



Sioux Chief

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EDITION 31

SUPPLY

DRAINAGE

SUPPORT

TOMAHAWK



“Because of your commitment to America I can assure you we will give Sioux Chief preferential consideration when purchasing inventory for our facility. I appreciate both your patriotism and your loyalty to the people of our great country.”

Russ Knight, VP
Gulf Coast Plumbing and Electrical Supply Inc.

ALPHABETICAL PRODUCT INDEX

To make this Digital Catalog easier to navigate, there are links for many **Bolded** products. Click on any **Bolded** item and the link will take you directly to that page.

The easiest way to use this catalog is to download this PDF, and place it on your desktop (or phone/tablet home screen). We recommend that you also print out a copy of the Alphabetical Product Index, and use it together with the Digital Catalog to quickly find the Sioux Chief product(s) you are looking for.

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SUPPLY



649X2

PowerPEX™ PEX Crimp Ring

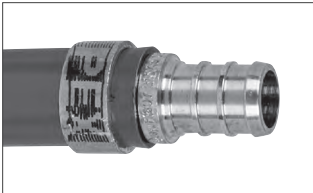
- Pure, annealed copper rings
- For use with PEX SDR9 piping only
- Do not use with PB pipe

DRAINAGE

Related Products
PEX crimp tools p 81



SUPPORT



Item No	Description	Pkg	Min Qty	Case Qty
649X1	3/8" PEX	B	100	1000
649X1PK2	3/8" PEX, 25/bag	C*	6	6
649X2	1/2" PEX	B	100	1000
649X2PK2	1/2" PEX, 25/bag	C*	24	24
649X2PK3	1/2" PEX, 100/bag	C*	10	10
649X3	3/4" PEX	B	100	500
649X3PK2	3/4" PEX, 25/bag	C*	12	12
649X3PK3	3/4" PEX, 100/bag	C*	10	10
649X4	1" PEX	B	25	250
649X4PK2	1" PEX, 10/bag	C*	10	10
649X5	1 1/4" PEX	B	25	250
649X6	1 1/2" PEX	B	25	250

APPENDIX



649TX2



649TX4

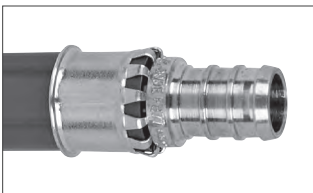
PowerPEX™ V-Sleeve™

Stainless Steel PEX Compression System

Patent# 8,123,257

- V-Sleeves™ are to be used with ASTM F1807 and F2159 PEX fittings in conjunction with any SDR9 PEX tubing manufactured to the ASTM F876 or ASTM F877
- Visibility of tube fully inserted in sleeve and to tube stop on fitting
- 360° visibility of crimped sleeve
- 360° compression on all sealing surface areas
- Sleeve can be pre-loaded onto fitting or tube
- V-Sleeve must be installed using a Sioux Chief 305-8_TX compression tool
- Third-party tested to ASTM F877, UPC listed

Related Products
V-Sleeve PEX crimp tools p 82



Item No	Description	Pkg	Min Qty	Case Qty
649TX2	1/2" stainless steel PEX sleeve	B	100	1000
649TX3	3/4" stainless steel PEX sleeve	B	100	500
649TX4	1" stainless steel PEX sleeve	B	25	250

PowerPEX™

Copper Elbow

- Tube stops formed into each fitting
- One-piece copper
- Longer radius bend for increased flow characteristics



642X1

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

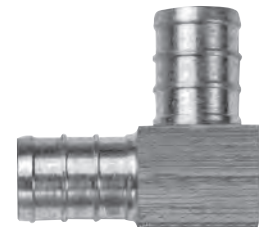
Item No	Description	Pkg	Min Qty	Case Qty
642X1	3/8" F1807 x 3/8" F1807	B	25	250
642X1PK2	3/8" F1807 x 3/8" F1807, 2/bag	C*	20	20
642X2	1/2" F1807 x 1/2" F1807	B	25	250
642X2PK2	1/2" F1807 x 1/2" F1807, 2/bag	C*	20	20
NEW 642X2PK3	1/2" F1807 x 1/2" F1807, 25/bag	C*	10	10
642X23PK2	1/2" F1807 x 3/4" F1807, 2/bag	C*	20	20
642X3	3/4" F1807 x 3/4" F1807	B	25	250
642X3PK2	3/4" F1807 x 3/4" F1807, 2/bag	C*	20	20
NEW 642X3PK3	3/4" F1807 x 3/4" F1807, 25/bag	C*	10	10
642X4	1" F1807 x 1" F1807	B	25	25
642X4PK2	1" F1807 x 1" F1807, 2/bag	C*	20	20
642X43	1" F1807 x 3/4" F1807	B	25	25



PowerPEX™

No Lead Brass Elbow

- One-piece no lead brass



642XG2

Item No	Description	Pkg	Min Qty	Case Qty
642XG1	3/8" F1807 x 3/8" F1807	B	25	250
642XG23	3/4" F1807 x 1/2" F1807	B	25	250
642XG2	1/2" F1807 x 1/2" F1807	B	25	250
642XG3	3/4" F1807 x 3/4" F1807	B	25	250
642XG4	1" F1807 x 1" F1807	B	25	25
642XG43	1" F1807 x 3/4" F1807	B	25	25

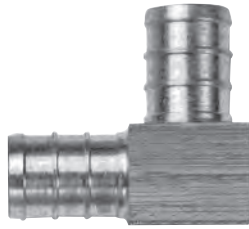


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



642XB2

PowerPEX™

Brass Elbow

• One-piece standard brass



Item No	Description	Pkg	Min Qty	Case Qty
642XB1	3/8" F1807 × 3/8" F1807	B	25	250
642XB23	3/4" F1807 × 1/2" F1807	B	25	250
642XB2	1/2" F1807 × 1/2" F1807	B	25	250
642XB3	3/4" F1807 × 3/4" F1807	B	25	250
642XB4	1" F1807 × 1" F1807	B	25	25
642XB43	1" F1807 × 3/4" F1807	B	25	25



641XG333

PowerPEX™

No Lead Brass Tee

• One-piece no lead brass

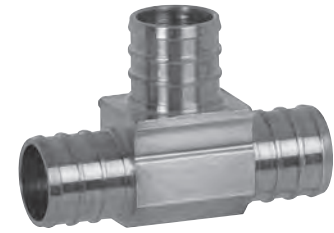


Item No	Description (Branch × Branch × Tee)	Pkg	Min Qty	Case Qty
641XG111	3/8" F1807 × 3/8" F1807 × 3/8" F1807	B	50	500
641XG111PK1	3/8" F1807 × 3/8" F1807 × 3/8" F1807, 1/bag	C*	25	25
641XG222	1/2" F1807 × 1/2" F1807 × 1/2" F1807	B	50	500
641XG222PK1	1/2" F1807 × 1/2" F1807 × 1/2" F1807, 1/bag	C*	25	25
641XG223	1/2" F1807 × 1/2" F1807 × 3/4" F1807	B	20	200
641XG223PK1	1/2" F1807 × 1/2" F1807 × 3/4" F1807, 1/bag	C*	25	25
641XG322	3/4" F1807 × 1/2" F1807 × 1/2" F1807	B	20	200
641XG323	3/4" F1807 × 1/2" F1807 × 3/4" F1807	B	20	200
641XG323PK1	3/4" F1807 × 1/2" F1807 × 3/4" F1807, 1/bag	C*	25	25
641XG332	3/4" F1807 × 3/4" F1807 × 1/2" F1807	B	20	200
641XG332PK1	3/4" F1807 × 3/4" F1807 × 1/2" F1807, 1/bag	C*	25	25
641XG333	3/4" F1807 × 3/4" F1807 × 3/4" F1807	B	20	200
641XG333PK1	3/4" F1807 × 3/4" F1807 × 3/4" F1807, 1/bag	C*	25	25
641XG442	1" F1807 × 1" F1807 × 1/2" F1807	B	20	200
641XG442PK1	1" F1807 × 1" F1807 × 1/2" F1807, 1/bag	C*	25	25
641XG443	1" F1807 × 1" F1807 × 3/4" F1807	B	20	200
641XG443PK1	1" F1807 × 1" F1807 × 3/4" F1807, 1/bag	C*	25	25
641XG444	1" F1807 × 1" F1807 × 1" F1807	B	20	200
641XG444PK1	1" F1807 × 1" F1807 × 1" F1807, 1/bag	C*	25	25

PowerPEX™

Brass Tee

- One-piece standard brass



641XB333

Item No	Description (Branch × Branch × Tee)	Pkg	Min Qty	Case Qty
641XB111	3/8" F1807 × 3/8" F1807 × 3/8" F1807	B	50	500
641XB111PK2	3/8" F1807 × 3/8" F1807 × 3/8" F1807, 1/bag	C*	20	20
641XB222	1/2" F1807 × 1/2" F1807 × 1/2" F1807	B	50	500
641XB222PK2	1/2" F1807 × 1/2" F1807 × 1/2" F1807, 1/bag	C*	20	20
641XB223	1/2" F1807 × 1/2" F1807 × 3/4" F1807	B	20	200
641XB223PK2	1/2" F1807 × 1/2" F1807 × 3/4" F1807, 1/bag	C*	20	20
641XB322	3/4" F1807 × 1/2" F1807 × 1/2" F1807	B	20	200
641XB322PK2	3/4" F1807 × 1/2" F1807 × 1/2" F1807, 1/bag	C*	20	20
641XB323	3/4" F1807 × 1/2" F1807 × 3/4" F1807	B	20	200
641XB323PK2	3/4" F1807 × 1/2" F1807 × 3/4" F1807, 1/bag	C*	20	20
641XB332	3/4" F1807 × 3/4" F1807 × 1/2" F1807	B	20	200
641XB332PK2	3/4" F1807 × 3/4" F1807 × 1/2" F1807, 1/bag	C*	20	20
641XB333	3/4" F1807 × 3/4" F1807 × 3/4" F1807	B	20	200
641XB333PK2	3/4" F1807 × 3/4" F1807 × 3/4" F1807, 1/bag	C*	20	20
641XB334	3/4" F1807 × 3/4" F1807 × 1" F1807	B	20	200
641XB432	1" F1807 × 3/4" F1807 × 1/2" F1807	B	20	200
641XB433	1" F1807 × 3/4" F1807 × 3/4" F1807	B	20	200
641XB434	1" F1807 × 3/4" F1807 × 1" F1807	B	20	200
641XB442	1" F1807 × 1" F1807 × 1/2" F1807	B	20	200
641XB443	1" F1807 × 1" F1807 × 3/4" F1807	B	20	200
641XB443PK2	1" F1807 × 1" F1807 × 3/4" F1807, 1/bag	C*	20	20
641XB444	1" F1807 × 1" F1807 × 1" F1807	B	20	100



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

Copper Coupling

- Tube stops formed into each fitting
- One-piece solid copper



645X1



Item No	Description	Pkg	Min Qty	Case Qty
645X1	3/8" F1807 × 3/8" F1807	B	100	1000
645X1PK2	3/8" F1807 × 3/8" F1807, 2/bag	C*	20	20
645X2	1/2" F1807 × 1/2" F1807	B	100	1000
645X2PK2	1/2" F1807 × 1/2" F1807, 2/bag	C*	20	20
645X2PK3	1/2" F1807 × 1/2" F1807, 100/bag	C*	10	10
645X32	1/2" F1807 × 3/4" F1807	B	50	500
645X32PK2	1/2" F1807 × 3/4" F1807, 2/bag	C*	20	20
645X3	3/4" F1807 × 3/4" F1807	B	50	500
645X3PK2	3/4" F1807 × 3/4" F1807, 2/bag	C*	10	10
645X43	3/4" F1807 × 1" F1807	B	25	250
645X43PK2	3/4" F1807 × 1" F1807, 2/bag	C*	10	10
645X4	1" F1807 × 1" F1807	B	25	250
645X4PK2	1" F1807 × 1" F1807, 2/bag	C*	10	10





645XG2

PowerPEX™
No Lead Brass Coupling

• One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
645XG1	3/8" F1807 × 3/8" F1807	B	100	1000
645XG12	3/8" F1807 × 1/2" F1807	B	50	500
645XG2	1/2" F1807 × 1/2" F1807	B	100	1000
645XG3	3/4" F1807 × 3/4" F1807	B	50	500
645XG32	3/4" F1807 × 1/2" F1807	B	50	500
645XG4	1" F1807 × 1" F1807	B	25	250
645XG43	1" F1807 × 3/4" F1807	B	25	250



645XB2

PowerPEX™
Brass Coupling

• One-piece standard brass



Item No	Description	Pkg	Min Qty	Case Qty
645XB1	3/8" F1807 × 3/8" F1807	B	100	1000
645XB12	3/8" F1807 × 1/2" F1807	B	50	500
645XB12PK2	3/8" F1807 × 1/2" F1807, 2/bag	C*	20	20
645XB2	1/2" F1807 × 1/2" F1807	B	100	1000
645XB2PK3	1/2" F1807 × 1/2" F1807, 100/bag	C*	5	5
645XB3	3/4" F1807 × 3/4" F1807	B	50	500
645XB32	3/4" F1807 × 1/2" F1807	B	50	500
645XB4	1" F1807 × 1" F1807	B	25	250
645XB43	1" F1807 × 3/4" F1807	B	25	250
645XB43PK1	1" F1807 × 3/4" F1807, 1/bag	C*	25	25

PowerPEX™

No Lead Brass Plug

- One-piece no lead brass



640XG01

Item No	Description	Pkg	Min Qty	Case Qty
640XG01	3/8" F1807	B	100	1000
640XG02	1/2" F1807	B	100	1000
640XG03	3/4" F1807	B	100	1000
640XG04	1" F1807	B	25	250



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

Brass Plug

- One-piece standard brass



640XB01

Item No	Description	Pkg	Min Qty	Case Qty
640XB01	3/8" F1807	B	100	1000
640XB01PK2	3/8" F1807, 2/bag	C*	20	20
640XB02	1/2" F1807	B	100	1000
640XB02PK2	1/2" F1807, 2/bag	C*	20	20
640XB03	3/4" F1807	B	100	1000
640XB03PK2	3/4" F1807, 2/bag	C*	20	20
640XB04	1" F1807	B	25	250
640XB04PK1	1" F1807, 1/bag	C*	6	6
640XB04PK2	1" F1807, 2/bag	C*	20	20





643X2



643X202

PowerPEX™

Copper Straight Adapter

Male Sweat × PEX

• One-piece solid copper

Item No	Description	Pkg	Min Qty	Case Qty
643X11	3/8" F1807 × 3/8" MSWT	B	100	1000
643X1	3/8" F1807 × 1/2" MSWT	B	100	1000
643X1PK2	3/8" F1807 × 1/2" MSWT, 2/bag	C*	20	20
643X2	1/2" F1807 × 1/2" MSWT	B	100	1000
643X2PK2	1/2" F1807 × 1/2" MSWT, 2/bag	C*	20	20
643X202	1/2" F1807 × 1/2" MSWT, 2" long	B	50	500
643X32	1/2" F1807 × 3/4" MSWT	B	50	500
643X32PK2	1/2" F1807 × 3/4" MSWT, 2/bag	C*	10	10
643X23	3/4" F1807 × 1/2" MSWT	B	50	100
643X23PK2	3/4" F1807 × 1/2" MSWT, 2/bag	C*	20	20
643X3	3/4" F1807 × 3/4" MSWT	B	50	500
643X3PK2	3/4" F1807 × 3/4" MSWT, 2/bag	C*	10	10
643X43	3/4" F1807 × 1" MSWT	B	25	250
643X34	1" F1807 × 3/4" MSWT	B	25	250
643X4	1" F1807 × 1" MSWT	B	25	250



PowerPEX™

Copper Straight Adapter

Female Sweat × PEX

• One-piece solid copper



644X2

Item No	Description	Pkg	Min Qty	Case Qty
644X1	3/8" F1807 × 1/2" FSWT	B	100	1000
644X1PK2	3/8" F1807 × 1/2" FSWT, 2/bag	C*	20	20
644X2	1/2" F1807 × 1/2" FSWT	B	100	1000
644X2PK2	1/2" F1807 × 1/2" FSWT, 2/bag	C*	20	20
644X32	1/2" F1807 × 3/4" FSWT	B	50	500
644X32PK2	1/2" F1807 × 3/4" FSWT, 2/bag	C*	10	10
644X3	3/4" F1807 × 3/4" FSWT	B	50	500
644X3PK2	3/4" F1807 × 3/4" FSWT, 2/bag	C*	10	10
644X43	3/4" F1807 × 1" FSWT	B	25	250
644X34	1" F1807 × 3/4" FSWT	B	25	250
644X4	1" F1807 × 1" FSWT	B	25	250
644X4PK2	1" F1807 × 1" FSWT, 2/bag	C*	5	5



PowerPEX™

No Lead Brass Straight Adapter

Male Sweat × PEX

- One-piece no lead brass



643XG2

Item No	Description	Pkg	Min Qty	Case Qty
643XG1	3/8" F1807 × 1/2" MSWT	B	100	1000
643XG2	1/2" F1807 × 1/2" MSWT	B	100	1000
643XG23	3/4" F1807 × 1/2" MSWT	B	50	500
643XG3	3/4" F1807 × 3/4" MSWT	B	50	500
643XG32	1/2" F1807 × 3/4" MSWT	B	50	500
643XG34	1" F1807 × 3/4" MSWT	B	25	250
643XG4	1" F1807 × 1" MSWT	B	25	250
643XG43	3/4" F1807 × 1" MSWT	B	25	250



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

Brass Straight Adapter

Male Sweat × PEX

- One-piece standard brass



643XB2

Item No	Description	Pkg	Min Qty	Case Qty
643XB1	3/8" F1807 × 1/2" MSWT	B	100	1000
643XB2	1/2" F1807 × 1/2" MSWT	B	100	1000
643XB2PK3	1/2" F1807 × 1/2" MSWT, 100/bag	C*	5	5
643XB23	3/4" F1807 × 1/2" MSWT	B	50	500
643XB3	3/4" F1807 × 3/4" MSWT	B	50	500
643XB32	1/2" F1807 × 3/4" MSWT	B	50	500
643XB34	1" F1807 × 3/4" MSWT	B	25	250
643XB4	1" F1807 × 1" MSWT	B	25	250
643XB43	3/4" F1807 × 1" MSWT	B	25	250





644XG2

PowerPEX™

No Lead Brass Straight Adapter

Female Sweat × PEX
 • One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
644XG1	3/8" F1807 × 1/2" FSWT	B	100	500
644XG2	1/2" F1807 × 1/2" FSWT	B	100	1000
644XG3	3/4" F1807 × 3/4" FSWT	B	50	500
644XG32	1/2" F1807 × 3/4" FSWT	B	50	500
644XG4	1" F1807 × 1" FSWT	B	25	250
644XG43	3/4" F1807 × 1" FSWT	B	25	250



644XB2

PowerPEX™

Brass Straight Adapter

Female Sweat × PEX
 • One-piece standard brass



Item No	Description	Pkg	Min Qty	Case Qty
644XB1	3/8" F1807 × 1/2" FSWT	B	100	1000
644XB2	1/2" F1807 × 1/2" FSWT	B	100	1000
644XB2PK3	1/2" F1807 × 1/2" FSWT, 100/bag	C*	100	500
644XB3	3/4" F1807 × 3/4" FSWT	B	50	500
644XB32	1/2" F1807 × 3/4" FSWT	B	50	500
644XB4	1" F1807 × 1" FSWT	B	25	250
644XB4PK1	1" F1807 × 1" FSWT, 1/bag	C*	25	25
644XB43	3/4" F1807 × 1" FSWT	B	25	250

PowerPEX™

No Lead Brass Straight Adapter

MIP × PEX

• One-piece no lead brass



646XG2

	Item No	Description	Pkg	Min Qty	Case Qty
NEW	646XG12PK2	3/8" F1807 × 1/2" MIP	C*	20	20
	646XG2	1/2" F1807 × 1/2" MIP	B	100	100
NEW	646XG23	3/4" F1807 × 1/2" MIP	B	50	50
NEW	646XG23PK2	3/4" F1807 × 1/2" MIP	C*	20	20
	646XG32	1/2" F1807 × 3/4" MIP	B	50	50
	646XG3	3/4" F1807 × 3/4" MIP	B	25	250
	646XG34	1" F1807 × 3/4" MIP	B	25	25
	646XG4	1" F1807 × 1" MIP	B	50	50
NEW	646XG43	3/4" F1807 × 1" MIP	B	50	50
NEW	646XG43PK2	3/4" F1807 × 1" MIP	C*	20	20



SUPPLY

DRAINAGE

SUPPORT

PowerPEX™

Brass Straight Adapter

MIP × PEX

• One-piece standard brass



646XB2

	Item No	Description	Pkg	Min Qty	Case Qty
	646XB12PK2	3/8" F1807 × 1/2" MIP, 1/bag	C*	20	20
	646XB2	1/2" F1807 × 1/2" MIP	B	100	100
	646XB2PK2	1/2" F1807 × 1/2" MIP, 1/bag	C*	20	20
	646XB2PK3	1/2" F1807 × 1/2" MIP, 100/bag	C*	100	100
	646XB23	3/4" F1807 × 1/2" MIP	B	50	50
	646XB23PK2	3/4" F1807 × 1/2" MIP, 1/bag	C*	20	20
	646XB32	1/2" F1807 × 3/4" MIP	B	50	50
	646XB32PK2	1/2" F1807 × 3/4" MIP, 1/bag	C*	20	20
	646XB3	3/4" F1807 × 3/4" MIP	B	25	250
	646XB3PK2	3/4" F1807 × 3/4" MIP, 1/bag	C*	20	20
	646XB34	1" F1807 × 3/4" MIP	B	50	50
	646XB34PK2	1" F1807 × 3/4" MIP, 1/bag	C*	25	25
	646XB43	3/4" F1807 × 1" MIP	B	50	50
	646XB4	1" F1807 × 1" MIP	B	50	50
	646XB4PK2	1" F1807 × 1" MIP, 1/bag	C*	20	20



APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



647XG23PK2



PowerPEX™



No Lead Copper Straight Adapter

FIP × PEX

- Lead-free solder joint

Item No	Description	Pkg	Min Qty	Case Qty
647XG23PK2	½" F1807 × ¾" FIP	C*	10	10



647XG2



PowerPEX™

No Lead Brass Straight Adapter

FIP × PEX

- One-piece no lead brass

Item No	Description	Pkg	Min Qty	Case Qty
647XG2	½" F1807 × ½" FIP	B	50	250
647XG3	¾" F1807 × ¾" FIP	B	50	50
647XG4	1" F1807 × 1" FIP	B	50	50



647XB2



PowerPEX™

Brass Straight Adapter

FIP × PEX

- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
647XB2	½" F1807 × ½" FIP	B	50	250
647XB2PK2	½" F1807 × ½" FIP, 1/bag	C*	10	10
647XB23	½" F1807 × ¾" FIP	B	50	50
647XB23PK2	½" F1807 × ¾" FIP, 1/bag	C*	10	10
647XB3	¾" F1807 × ¾" FIP	B	50	50
647XB3PK2	¾" F1807 × ¾" FIP, 1/bag	C*	10	10
647XB4	1" F1807 × 1" FIP	B	50	50
647XB4PK2	1" F1807 × 1" FIP, 1/bag	C*	10	10

PowerPEX™

Tub/Shower Elbow

Shower-Lock & Drop-Ear Models

- Internal 1/2" FIP thread for shower arm or tub nipple
- Shower-lock model includes 2" O.D. locknuts
- Lead-free solder joint
- For use on shower risers, tub spouts and non-pressure fitting applications



616X2PX



647X2E



647X2HE

SUPPLY

DRAINAGE

SUPPORT

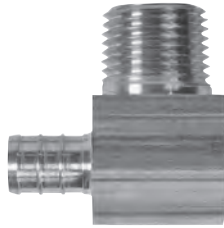
APPENDIX

Related Products

ShowerUp™ Kits

p 62

Item No	Connection	Pkg	Min Qty	Case Qty
SHOWER-LOCK				
616X1PX	3/8" F1807 x 1/2" FIP	B	50	50
616X2PX	1/2" F1807 x 1/2" FIP	B	50	50
616X2PXP2	1/2" F1807 x 1/2" FIP, 1/bag	C*	20	20
DROP-EAR				
647X1E	3/8" F1807 x 1/2" FIP	B	50	50
647X1EPK2	3/8" F1807 x 1/2" FIP, 1/bag	C*	20	20
647X2E	1/2" F1807 x 1/2" FIP	B	50	50
647X2EPK2	1/2" F1807 x 1/2" FIP, 1/bag	C*	20	20
NEW 647X2EPK3	1/2" F1807 x 1/2" FIP, 50/bag	C*	50	50
647X23E	3/4" F1807 x 1/2" FIP	B	50	50
647X23EPK2	3/4" F1807 x 1/2" FIP, 1/bag	C*	20	20
HIGH EAR DROP-EAR ELBOW				
NEW 647X2HE	1/2" F1807 x 1/2" FIP	B	50	50



632XG222M

PowerPEX™

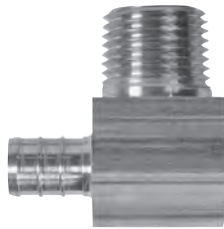
No Lead Brass Elbow Adapter

MIP × PEX

- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
632XG222M	½" F1807 × ½" MIP	B	50	50
632XG332M	¾" F1807 × ¾" MIP	B	50	50



632XB222M

PowerPEX™

Brass Elbow Adapter

MIP × PEX

- One-piece standard brass



Item No	Description	Pkg	Min Qty	Case Qty
632XB222M	½" F1807 × ½" MIP	B	50	50
632XB332M	¾" F1807 × ¾" MIP	B	50	50



632X222M

PowerPEX™

Elbow Adapter

MIP × PEX

- Full flow – no restriction
- Lead-free solder joint



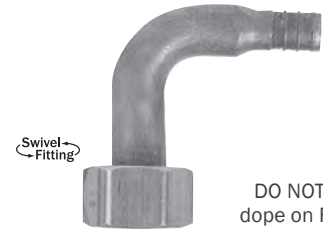
Item No	Description	Material	Pkg	Min Qty	Case Qty
632X121M	⅜" F1807 × ⅜" MIP	copper	B	50	50
632X221MPK2	½" F1807 × ⅜" MIP, 1/bag	copper	C*	10	10
632X221M	½" F1807 × ⅜" MIP	copper	B	50	50
632X222M	½" F1807 × ½" MIP	copper/brass	B	50	50
632X222MPK2	½" F1807 × ½" MIP, 1/bag	copper/brass	C*	10	10
632X332M	¾" F1807 × ¾" MIP	copper/brass	B	50	50
632X232MPK2	½" F1807 × ¾" MIP, 1/bag	copper/brass	C*	10	10

PowerPEX™

Elbow Adapter

FIP × PEX

- Full flow – no restriction
- Brass FIP swivel nut includes gasket



Swivel Fitting

DO NOT use pipe dope on FIP threads

637X235

SUPPLY

DRAINAGE

SUPPORT

Item No	Description	Material	Pkg	Min Qty	Case Qty
637X235	1/2" F1807 × 3/4" FIP swivel	copper/brass	B	50	50
637X335	3/4" F1807 × 3/4" FIP swivel	copper/brass	B	25	25
637X335PK2	3/4" F1807 × 3/4" FIP swivel, 1/bag	copper/brass	C*	10	10



APPENDIX

PowerPEX™

NEW Dishwasher Connector

- Larger internal diameter for adequate flow
- Assembled
- Nose cone gasket provides a positive seal



637XB23H



Related Products

Sweat Dishwasher Connector

p 183

Item No	Description	Pkg	Min Qty	Case Qty
637XB23H	1/2" F1807 × 3/4" female hose swivel elbow	B	5	50

SUPPLY



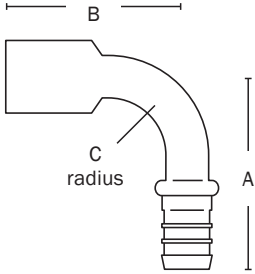
632X222

PowerPEX™ Elbow Adapter

Male Sweat × PEX

- Great multipurpose sweat × PEX elbow
- Perfect as tub/shower connector
- One-piece solid copper

DRAINAGE



**NO
LEAD**

Item No	Description	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
632X122	3/8" F1807 × 1/2" MSWT	1 5/8"	1 1/2"	5/8"	B	100	500
632X222	1/2" F1807 × 1/2" MSWT	1 5/8"	1 1/2"	5/8"	B	100	1000
632X222PK2	1/2" F1807 × 1/2" MSWT, 2/bag	1 5/8"	1 1/2"	5/8"	C*	10	10
632X232	1/2" F1807 × 3/4" MSWT	2 1/2"	1 3/4"	5/8"	B	50	250
632X332	3/4" F1807 × 3/4" MSWT	2"	1 3/8"	11/16"	B	25	250

SUPPORT



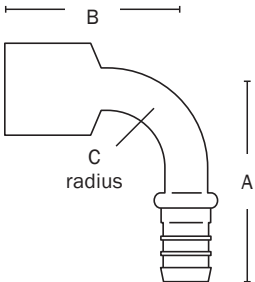
632X225

PowerPEX™ Elbow Adapter

Female Sweat × PEX

- Great multipurpose sweat × PEX elbow
- One-piece solid copper

APPENDIX



**NO
LEAD**

Item No	Description	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
632X125	3/8" F1807 × 1/2" FSWT	1 5/8"	1 1/2"	5/8"	B	100	1000
632X125PK2	3/8" F1807 × 1/2" FSWT, 2/bag	1 5/8"	1 1/2"	5/8"	C*	10	10
632X225	1/2" F1807 × 1/2" FSWT	1 5/8"	1 1/2"	5/8"	B	100	1000
632X225PK2	1/2" F1807 × 1/2" FSWT, 2/bag	1 5/8"	1 1/2"	5/8"	C*	10	10
632X235	1/2" F1807 × 3/4" FSWT	2 3/16"	2 3/32"	11/16"	B	25	250
632X335	3/4" F1807 × 3/4" FSWT	2"	1 3/8"	11/16"	B	25	250
632X335PK2	3/4" F1807 × 3/4" FSWT, 2/bag	2"	1 3/8"	11/16"	C*	10	10



632X217

PowerPEX™ Copper Elbow Adapter

Compression × PEX

- Connects PEX to 3/8" O.D. tube
- Lead-free solder joint



Item No	Description	Material	Pkg	Min Qty	Case Qty
COMPRESSION					
632X117	3/8" F1807 × 3/8" O.D. compression	copper/brass	B	50	50
632X217	1/2" F1807 × 3/8" O.D. compression	copper/brass	B	50	50

PowerPEX™

Copper Ballcock Adapter

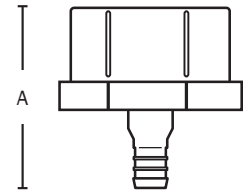
Straight

- Easily connects PEX to ballcock thread
- Swivel ballcock nut includes nose cone washer



637X410

Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
637X410	3/8" F1807 × swivel ballcock	1 5/8"	—	B	50	500
637X420	1/2" F1807 × swivel ballcock	1 1/2"	—	B	50	50



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

Copper Ballcock Adapter

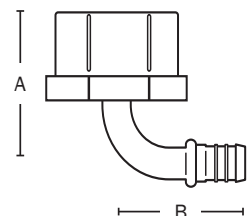
Elbow

- Easily connects PEX to ballcock thread
- Swivel ballcock nut includes nose cone gasket
- Long radius elbow fitting for smoother flow



637X423

Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
637X413	3/8" F1807 × swivel ballcock	2 1/4"	2 5/8"	B	50	50
637X423	1/2" F1807 × swivel ballcock	2 1/4"	2 5/8"	B	50	50
637X423PK	1/2" F1807 × swivel ballcock	2 1/4"	2 5/8"	C*	10	10



SUPPLY



637X10

PowerPEX™

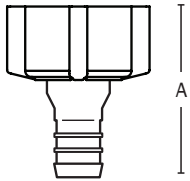
Copper Faucet Adapter

Straight

- Easily connects PEX to faucet thread
- High impact FIP swivel nut includes nose cone gasket
- Copper component is available individually

DRAINAGE

SUPPORT



Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
637X10	3/8" F1807 × 1/2" FIP swivel	1 5/16"	—	B	50	50
637X10PK2	3/8" F1807 × 1/2" FIP swivel, 2/bag	1 5/16"	—	C*	10	10
637X20	1/2" F1807 × 1/2" FIP swivel	1 3/16"	—	B	50	500
637X20PK2	1/2" F1807 × 1/2" FIP swivel, 2/bag	1 3/16"	—	C*	10	10
637X20C	1/2" F1807 × copper component only	1 1/16"	—	B	50	500

APPENDIX



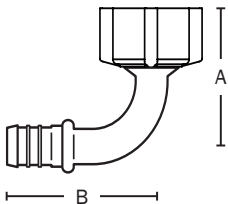
637X25

PowerPEX™

Copper Faucet Adapter

Elbow

- Easily connects PEX to faucet thread
- High impact FIP swivel nut includes nose cone gasket



Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
637X15	3/8" F1807 × 1/2" FIP swivel	1 1/2"	1 1/2"	B	50	500
637X25	1/2" F1807 × 1/2" FIP swivel	1 1/2"	1 1/2"	B	50	50

PowerPEX™

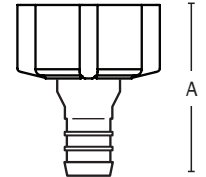
Brass Faucet Adapter

Straight

- Easily connects PEX to faucet thread
- High impact FIP swivel nut includes nose cone gasket



637XB20



Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
637XB10	3/8" PEX × 1/2" FIP swivel	1 5/16"	—	B	50	50
637XB20	1/2" PEX × 1/2" FIP swivel	1 3/16"	—	B	25	25



SUPPLY

DRAINAGE

PowerPEX™

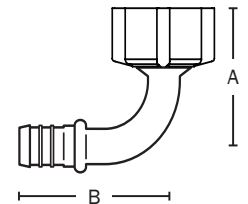
Brass Faucet Adapter

Elbow

- Easily connects PEX to faucet thread
- High impact FIP swivel nut includes nose cone gasket



637XB25



Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
637XB25	1/2" F1807 × 1/2" FIP swivel	1 3/8"	2"	B	50	50



SUPPORT

APPENDIX

PowerPEX™

Straight Adapter

Compression × PEX

- Connects PEX to 3/8" O.D. tube
- Perfect for lav/sink supply hookup
- Lead-free solder joint



637X711

Item No	Description	Pkg	Min Qty	Case Qty
COMPRESSION				
637X711	3/8" F1807 × 3/8" O.D. compression	B	50	50
637X721	1/2" F1807 × 3/8" O.D. compression	B	50	50



630X246

PowerPEX™ Stub Out Elbow

Standard

- Accepts sweat, push-fitting and compression valves
- Combines easy adapting of copper stub outs with easy installation of PEX system
- Type L copper
- Tube stops formed into each fitting
- One-piece solid copper

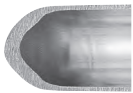
Polished Nickel-Plated

- Push-fitting systems are not compatible with nickel-plated stub out elbows

Related Products
Stub Out Elbow Kits

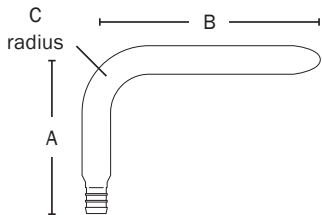
p 63

Item No	Connection	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
STANDARD								
630X146	3/8" F1807	1/2"	3 1/2"	6"	1 1/4"	B	50	50
630X148	3/8" F1807	1/2"	3 1/2"	8"	1 1/4"	B	50	50
630X246	1/2" F1807	1/2"	3 1/2"	6"	1 1/4"	B	50	50
630X246PK	1/2" F1807	1/2"	3 1/2"	6"	1 1/4"	C*	20	20
630X248	1/2" F1807	1/2"	3 1/4"	8"	1 1/4"	B	50	50
630X248PK	1/2" F1807	1/2"	3 1/4"	8"	1 1/4"	C*	6	6
630X2412	1/2" F1807	1/2"	3 1/2"	12"	1 1/4"	B	50	50
630X2138	1/2" F1807	1/2"	13"	8"	1 1/4"	B	50	50
630X348	3/4" F1807	3/4"	4 1/2"	8"	1 3/4"	B	50	50
630X3412	3/4" F1807	3/4"	4 1/2"	12"	1 3/4"	B	50	50
630X3136	3/4" F1807	3/4"	13"	6"	1 3/4"	B	50	50
630X468	1" F1807	1"	6"	8"	2"	B	25	25
630X4612	1" F1807	1"	6"	12"	2"	B	25	25
POLISHED NICKEL-PLATED								
630X248N	1/2" F1807	1/2"	3 1/2"	8"	1 1/4"	B	25	25



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.

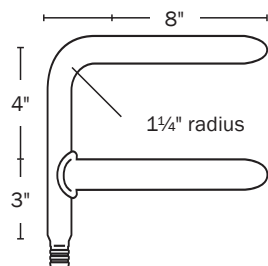


PowerPEX™ Double Stub Out Elbow

- Brazed stub out joint will not fracture



630XD288



Item No	Connection	CTS	Pkg	Min Qty	Case Qty
630XD288	1/2" F1807	1/2"	B	25	25

Perfect for running sink and dishwasher supplies (hot side) or sink and ice maker supplies (cold side) from same branch line.



PowerPEX™

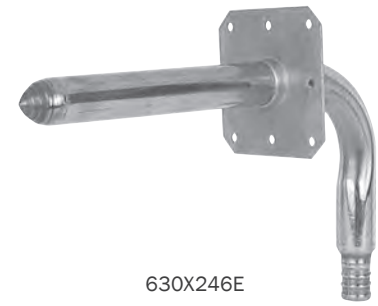
Stub Out Elbow

Square O Strap

- Accepts sweat, push-fitting and compression valves
- Combines easy adapting of copper stub outs with easy installation of PEX system
- Square O Straps affix easily to the Edge bracket or any backing board to provide solid installations
- Type L copper

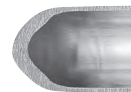


Stub out elbows combine elbow and cap in one quick and easy stub out fitting.



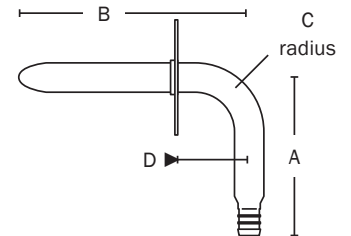
630X246E

Item No	Connection	CTS	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
630X148E	3/8" F1807	1/2"	3 1/2"	8"	1 1/4"	1 3/4"	B	25	25
630X2412E	1/2" F1807	1/2"	4"	12"	1 1/4"	1 3/4"	B	25	25
630X246E	1/2" F1807	1/2"	3 1/2"	6"	1 1/4"	1 3/4"	B	25	25
630X248E	1/2" F1807	1/2"	3 1/2"	8"	1 1/4"	1 3/4"	B	25	25
630X248EPK	1/2" F1807	1/2"	3 1/2"	8"	1 1/4"	1 3/4"	C*	20	20
630X348E	3/4" F1807	3/4"	4 1/2"	8"	1 3/4"	2"	B	25	25
630X468E	1" F1807	1"	6"	8"	2"	2 1/4"	B	10	10
630X4612E	1" F1807	1"	6"	8"	2"	2 1/4"	B	10	10



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



PowerPEX™

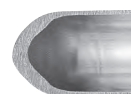
Stub Out Elbow

Stub Out Tee-Elbow

- Great for stub outs off 1/2" PEX runs
- Lead-free solder joint



638XT263



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.

Item No	Connection	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
638XT263	1/2" F1807	1/2"	3"	6"	1 1/4"	B	25	25
638XT283	1/2" F1807	1/2"	3"	8"	1 1/4"	B	25	25



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



638X208



643X208

PowerPEX™

Bullet™

Spin Closed Stub Out

- Type L copper

Bracketed Stub Out

- Perfect for stubbing up through floor for closets or lavs
- Square O Strap is crimped to tube 8" from spin closed end on 638X212E
- Type L copper

Open Ended Stub Out

- Type L copper

Item No	Connection	CTS	Length	Pkg	Min Qty	Case Qty
SPIN CLOSED						
638X208	½" F1807	½"	8"	B	100	100
638X212	½" F1807	½"	12"	B	100	100
638X312	¾" F1807	¾"	12"	B	50	50
638X208PK	½" F1807	½"	8"	C*	20	20
BRACKETED SPIN CLOSED						
638X212E	½" F1807	½"	12"	B	50	50
OPEN						
643X208	½" F1807	½"	8"	B	100	100
643X212	½" F1807	½"	12"	B	100	100



PowerPEX™

Stub Air™

Brazed Air Chamber Tee Fitting

- Eliminates on-the-job costs such as: measuring, cutting, cleaning, fluxing and soldering of up to four joints
- Sturdy brazed saddle joint cannot be damaged during field soldering and will not fracture due to jobsite abuse
- Provides stub out and air chamber with PEX connection in one piece



682XL5240



Models with open branches work great for tub valve connections, with only ONE solder joint needed.



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.

Item No	Connection	Type	Branch		Air Chamber		Pkg	Min Qty	Case Qty
			CTS	Length	CTS	Length			
SPIN CLOSED									
682XL5240	½" F1807	L	½"	8"	½"	12"	B	25	25
682XL5240PK	½" F1807	L	½"	8"	½"	12"	C*	10	10
OPEN									
682XL5213	½" F1807	L	½"	1½"	½"	12"	B	25	25



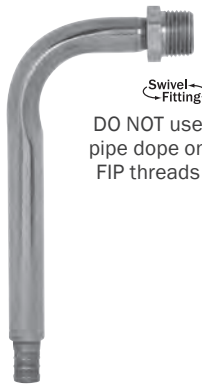
PowerPEX™

Tub/Shower Pressure Connector

- Perfect for sweat connection to standard tub/shower valves
- MIP and FIP swivel connections mean no torch at the tub/shower valve
- Made from Type L copper tube
- Elongated tailpiece allows for rigid bracket attachment



632X263



Swivel Fitting
DO NOT use pipe dope on FIP threads

632X263X



Swivel Fitting
DO NOT use pipe dope on FIP threads

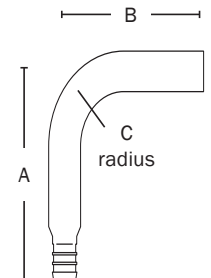
632X263Y

Related Products

ShowerUp™ Kits

p 62

Item No	Connection	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
632X143	3/8" F1807 × 1/2" MSWT	4"	2 1/4"	1 1/4"	B	50	50
632X243	1/2" F1807 × 1/2" MSWT	4"	2 1/4"	1 1/4"	B	50	50
632X243PK	1/2" F1807 × 1/2" MSWT	4"	2 1/4"	1 1/4"	C*	20	20
632X263	1/2" F1807 × 1/2" MSWT	6"	2 1/4"	1 1/4"	B	50	50
632X283	1/2" F1807 × 1/2" MSWT	8"	2 1/4"	1 1/4"	B	50	50
632X263X	1/2" F1807 × 1/2" MIP swivel	6"	3"	1 1/4"	B	50	50
632X263Y	1/2" F1807 × 1/2" FIP swivel	6"	3"	1 1/4"	B	50	50
632X364	3/4" F1807 × 3/4" MSWT	6"	4"	1 3/4"	B	50	50
632X3412	3/4" F1807 × 3/4" MSWT	4"	12"	1 3/4"	B	50	50
632X458	1" F1807 × 1" MSWT	5"	8"	2"	B	25	25
632X4512	1" F1807 × 1" MSWT	4"	12"	2"	B	25	25



NO LEAD

Except 632X263X

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

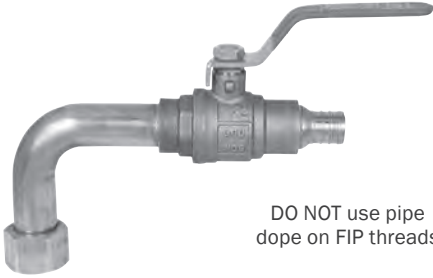


DO NOT use pipe dope on FIP threads

Swivel-Fitting

631X02

DRAINAGE

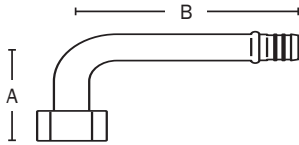


DO NOT use pipe dope on FIP threads

Swivel-Fitting

631XG02FP

SUPPORT



NO LEAD

PowerPEX™ Water Heater Connector

FIP Elbow

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Dielectric fitting
- Lead-free solder joint
- 3/4" type L copper

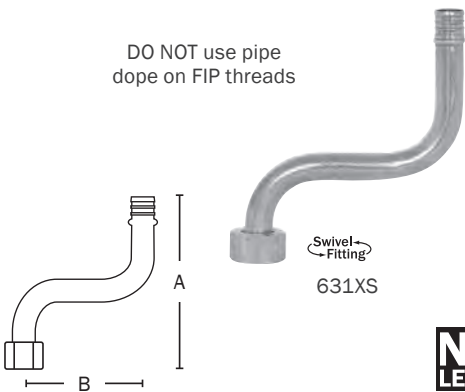
Related Products

Water Heater Connector Kits p 65

Item No	Connection	Dimensions		Ball Valve	Pkg	Min Qty	Case Qty
		A	B				
631X02	3/4" F1807 × 3/4" FIP swivel	3"	4 1/2"		B	25	25
631X06	3/4" F1807 × 3/4" FIP swivel	6"	6"		B	25	25
631XG02FP	3/4" F1807 × 3/4" FIP swivel	3"	6"	✓	B	12	12

APPENDIX

DO NOT use pipe dope on FIP threads



Swivel-Fitting

631XS

NO LEAD

PowerPEX™ Water Heater Connector

FIP S-Bend

- Brass FIP swivel nut includes gasket
- Great for routing PEX away from water heater stack
- Dielectric fitting

Item No	Connection	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
631XS	3/4" F1807 × 3/4" FIP swivel	6"	4 1/2"	B	50	50

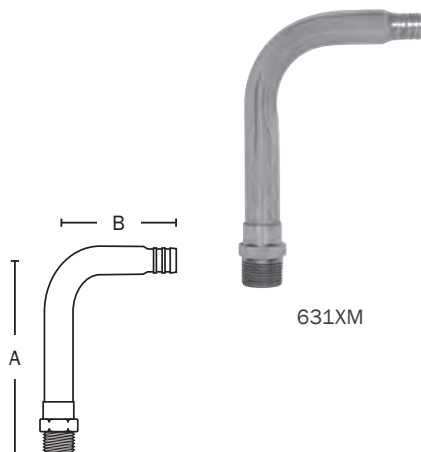
PowerPEX™ Water Heater Connector

MIP Elbow

- Full flow – no restriction
- Lead-free solder joint
- Made from Type L copper tube

Related Products

Water Heater Connector Kits p 65



631XM

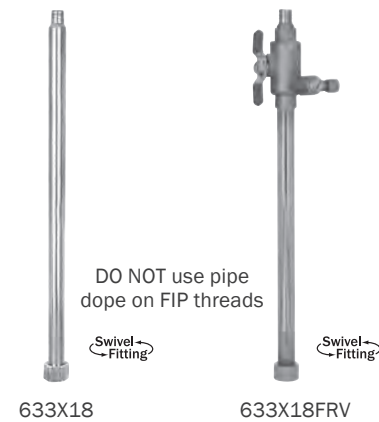
Item No	Connection	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
631XM	3/4" F1807 × 3/4" MIP	6"	4"	B	25	25

PowerPEX™

Water Heater Connector

FIP Straight

- Full flow, dielectric fitting – no restriction
- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- 3/4" FIP branch for 2 gallon expansion tank
- Lead-free solder joint
- Made from Type L copper tube



SUPPLY
DRAINAGE
SUPPORT
APPENDIX

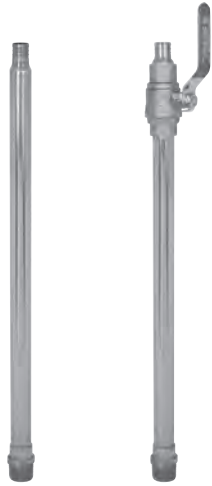
Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
NEW 633XG18FP	3/4" F1807 × 3/4" FIP swivel	18"	✓	✓	B	10	10
633X02	3/4" F1807 × 3/4" FIP swivel	2"		✓	B	25	25
633X02PK	3/4" F1807 × 3/4" FIP swivel	2"		✓	C*	6	6
633X18	3/4" F1807 × 3/4" FIP swivel	18"		✓	B	25	25
633X18PK	3/4" F1807 × 3/4" FIP swivel	18"		✓	C*	25	25
633X418	3/4" F1807 × 1" FIP swivel	18"		✓	B	25	25
633X18FP	3/4" F1807 × 3/4" FIP swivel	18"	✓		B	25	25
633X418FP	3/4" F1807 × 1" FIP swivel	18"	✓		B	25	25
633X18FPT	3/4" F1807 × 3/4" FIP swivel, with 3/4" FIP branch	18"	✓		B	20	20
633X18FRV	3/4" F1807 × 3/4" FIP swivel, with pressure relief 3/8" O.D. compression	18"	✓		B	10	10
633X306FP	3/4" F1807 × 3/4" FIP swivel	6"	✓		B	10	10
633XB02	3/4" F1807 × 3/4" FIP swivel brass	2"		✓	B	25	25

SUPPLY

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646X318

646X318FP



646X306FP

PowerPEX™

Water Heater Connector

MIP Straight

- Full flow – no restriction
- Fitting with 600 WOG full port ball valve available
- Lead-free solder joint
- Made from Type L copper tube

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
646X318	3/4" F1807 × 3/4" MIP	18"		B	25	25
646X318FP	3/4" F1807 × 3/4" MIP	18"	✓	B	25	25
646X306FP	3/4" F1807 × 3/4" MIP	6"	✓	B	10	10

PowerPEX™

Water Heater Connector

Flexible FIP

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Flexible dielectric fitting works well in tight spaces
- Lead-free solder joint



634X418

DO NOT use pipe dope on FIP threads



634X418FP

DO NOT use pipe dope on FIP threads

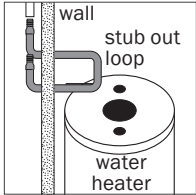


Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
634X418	3/4" F1807 × 3/4" FIP swivel	18"		✓	B	10	10
634X418FP	3/4" F1807 × 3/4" FIP swivel	18"	✓		B	10	10
634XG418FP	3/4" F1807 × 3/4" FIP swivel	18"	✓	✓	B	25	25

PowerPEX™

Water Heater Stub Out Loop

- Preformed copper loop bypasses water heater before test
- Made from Type L copper tube

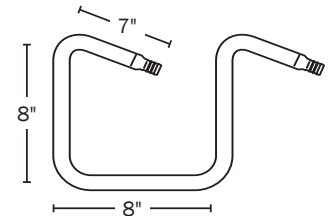


Easily hooks up to the water heater and 8" centers align perfectly with water heater connections.



636X38883

Item No	Connection	Pkg	Min Qty	Case Qty
636X38883	¾" F1807	B	12	12
636X48884	1" F1807	B	12	12



PowerPEX™

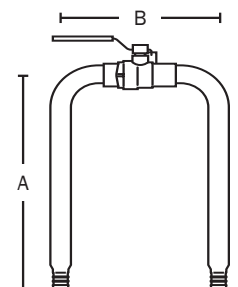
Valved Service Loop

- Fitting with 600 WOG full port ball valve
- Lead-free solder joint
- Made from Type L copper tube



636X3FPL

Item No	Connection	Dimensions		Ball Valve	Pkg	Min Qty	Case Qty
		A	B				
636X3FPL	¾" F1807 × ¾" F1807	15"	7"	✓	B	12	12



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



645XC2

PowerPEX™

Copper Straight Adapter

CPVC × F1807 PEX

- A quick and easy transition
- Perfect for hooking up PEX underground water service lines to CPVC in-house piping systems

Item No	Description	Pkg	Min Qty	Case Qty
645XC2	1/2" F1807 × 1/2" CPVC	B	50	50
645XC2PK2	1/2" F1807 × 1/2" CPVC, 1/bag	C*	10	10
645XC23	1/2" F1807 × 3/4" CPVC	B	50	50
645XC3	3/4" F1807 × 3/4" CPVC	B	50	50
645XC3PK2	3/4" F1807 × 3/4" CPVC, 1/bag	C*	10	10
645XC34	3/4" F1807 × 1" CPVC	B	20	20
645XC4	1" F1807 × 1" CPVC	B	20	20
645XC43	1" F1807 × 3/4" CPVC	B	20	20



645X3P

PowerPEX™

Copper Straight Adapter

PVC × F1807 PEX

- Perfect for water service transitions
- Lead-free solder joint
- Made from Type L copper tube

Item No	Description	Pkg	Min Qty	Case Qty
645X23P	1/2" F1807 × 3/4" PVC	B	50	50
645X3P	3/4" F1807 × 3/4" PVC	B	50	50
645X34P	3/4" F1807 × 1" PVC	B	20	20
645X43P	1" F1807 × 3/4" PVC	B	20	20
645X4P	1" F1807 × 1" PVC	B	20	20



PowerPEX™

Copper Straight Adapter

PB × PEX

- Great for adapting PB lines to new PEX lines
- Each adapter is bagged with one natural copper PB crimp ring and one black copper PEX crimp ring



645X2G

Item No	Description	Pkg	Min Qty	Case Qty
645X2G	1/2" F1807 × 1/2" PB	B	50	50
645X2GPK2	1/2" F1807 × 1/2" PB, 1/bag	C*	10	10
645X3G	3/4" F1807 × 3/4" PB	B	50	50
645X3GPK2	3/4" F1807 × 3/4" PB, 1/bag	C*	10	10



SUPPLY

DRAINAGE

SUPPORT

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PowerPEX™

Copper Tee Adapter

PB × PB × PEX

- Lead-free solder joint
- Two-piece copper
- Great for adapting PB lines to new PEX lines
- Each adapter is bagged with two natural copper PB crimp rings and one black copper PEX crimp ring



641-222X

Item No	Description (Branch × Branch × Tee)	Pkg	Min Qty	Case Qty
641-222X	1/2" PB × 1/2" PB × 1/2" F1807	B	50	50
641-222XPK2	1/2" PB × 1/2" PB × 1/2" F1807, 1/bag	C*	10	10
641-332X	3/4" PB × 3/4" PB × 1/2" F1807	B	50	50
641-333X	3/4" PB × 3/4" PB × 3/4" F1807	B	50	50
641-333XPK2	3/4" PB × 3/4" PB × 3/4" F1807, 1/bag	C*	10	10



SUPPLY

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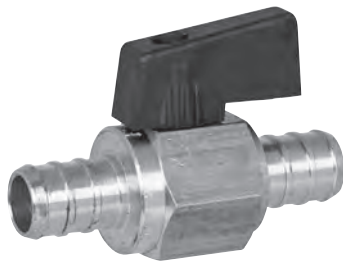
648X3

PowerPEX™ Brass Ball Valve

- Chrome-plated ball, blowout-proof stem
- ANSI/NSF 61
- C-377 forged brass



Item No	Connection	Pkg	Min Qty	Case Qty
STANDARD PORT				
648X2	½" F1807	B	10	100
648X3	¾" F1807	B	10	100
648X2PK	½" F1807	B	10	10
648X3PK	¾" F1807	B	10	10
648X4	1" F1807	B	6	60
FULL PORT				
648X4FP	1" F1807	B	10	10
648X4FPPK	1" F1807	C*	6	6



648X92PK1

PowerPEX™ Brass Mini ¼-Turn Ball Valve

- Compact supply valves

Item No	Connection	Pkg	Min Qty	Case Qty
648X92PK1	½" F1807	C*	12	12
648X93PK1	¾" F1807	C*	12	12



648XG3

PowerPEX™ No Lead Brass Ball Valve

- Chrome-plated ball, blowout-proof stem
- ANSI/NSF 61



Item No	Connection	Pkg	Min Qty	Case Qty
648XG2	½" F1807	B	10	120
648XG3	¾" F1807	B	8	96
648XG4	1" F1807	B	4	40



648X3W

PowerPEX™ Brass Stop & Waste Valve

- Brass valve body with stuffing box, neoprene seals
- Lead-free solder joints

Item No	Connection	Pkg	Min Qty	Case Qty
648X2W	½" F1807	B	12	12
648X3W	¾" F1807	B	12	12
648X2WPK	½" F1807	C*	10	10
648X3WPK	¾" F1807	C*	10	10

PowerPEX™

Sillcock

Standard

- Large 2½" diameter mounting flange
- Lead-free solder joint



117X22

Item No	Connection	Pkg	Min Qty	Case Qty
117X22	½" F1807	B	25	25

PowerPEX™

Frost-Proof* Anti-Siphon Sillcock

Standard

- Longer stem saves knuckle scrapes
- Thicker, easier turning handle
- Nickel-plated brass body with black metal handle

¼-Turn

- Extended tailpiece for ease of installation
- Extra-large mounting flange
- ANSI/NSF 61 listed
- Nickel-plated brass body



118X208P



119X210P

Item No	Connection	Length	Pkg	Min Qty	Case Qty
STANDARD					
118X204P	½" F1807	4"	B	5	5
118X206P	½" F1807	6"	B	5	5
118X208P	½" F1807	8"	B	5	5
118X210P	½" F1807	10"	B	5	5
118X212P	½" F1807	12"	B	5	5
118X212PPK	½" F1807	12"	C*	4	4
¼-TURN					
119X204P	½" F1807	4"	B	2	2
119X206P	½" F1807	6"	B	5	5
119X208P	½" F1807	8"	B	5	5
119X210P	½" F1807	10"	B	5	5
119X212P	½" F1807	12"	B	5	5

* As with all frost-proof hydrants, removal of hose is required to ensure against freezing and breaking.



PowerPEX™

Ice Maker Valve

Straight and Tee

- Great for adding ¼" O.D. supply lines for ice makers or humidifiers
- Lead-free solder joint



637X920



637X9220

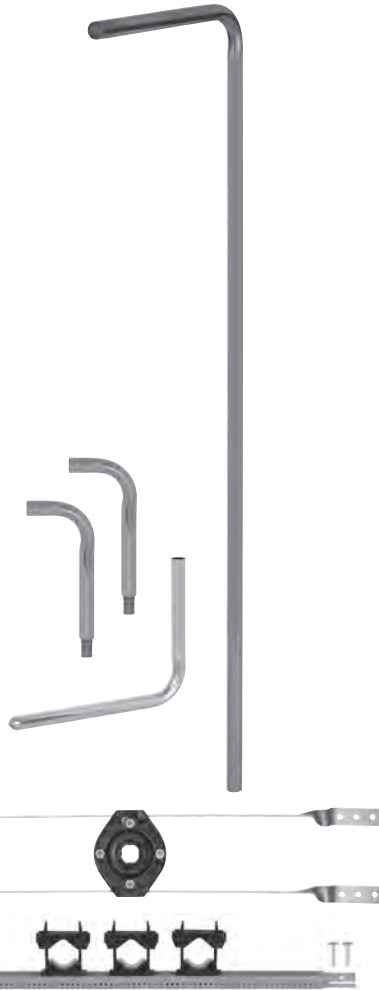
Item No	Connection	Pkg	Min Qty	Case Qty
STRAIGHT				
637X920	½" F1807 × ¼" O.D. compression	B	25	250
637X920PK2	½" F1807 × ¼" O.D. compression, 1/bag	C*	10	10
TEE				
637X9220	½" F1807 × ¼" O.D. compression	B	25	250
637X9220PK2	½" F1807 × ¼" O.D. compression, 1/bag	C*	10	10

SUPPLY

DRAINAGE

SUPPORT

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693-13155301

PowerPEX™ ShowerUp™ Kits

F1807 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

Related Products
Build your own kit p 262

Item No	Components	Bulk Item No	NO LEAD	Pkg	Min Qty	Case Qty
693-13155301	8" x 7" MSWT tub spout elbow 6" x 2¼" PEX F1807 x MSWT pressure connectors 50" x 8" MSWT elbow shower riser 16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	613-87 632X263 608-L2508 525-16WLB 523-2434	✓	B*	12	12
NEW 693-03124203	6" x 7" MIP swivel tub spout elbow 6" x 3" MIP swivel x PEX F1807 pressure connectors ½" MIP swivel x drop ear 90, 50" Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-67X 632X263X 616-650X 523-2404 523-2434	✓	B*	12	12
NEW 693-01124103	no tub spout elbow 6" x 3" MIP swivel x PEX F1807 pressure connectors ½" MIP swivel x drop ear 90, 30" Power Bar w/ 6 screws, 3TD clamp, 4 screws	— 632X263X 616-630X 523-2404 523-2434		B*	12	12
NEW 693-01155104	no tub spout elbow 6" x 2¼" MSWT x PEX F1807 pressure connectors ½" MSWT x spun, 30" x 8" stub out elbow 16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 2TD clamp, 4 screws	— 632X263 608-L2308 525-16WLB 523-2434	✓	B*	12	12
NEW 693-02134203	5" x 7" MIP swivel tub spout elbow MIP x PEX F1807 elbow adapter ½" MIP swivel x drop ear 90, 50" Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-57X 632X222M 616-650X 523-2404 523-2434		B*	12	12

PowerPEX™

Stub Out Kits

F1807 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689X2101

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689X2101	3½" × 6", ½" F1807 PEX stub out elbow Strong Arm brackets with one, ½" Lock Block	630X246 525-1612	B*	12	12
689X2201	3½" × 8", ½" F1807 PEX stub out elbow Strong Arm brackets with one, ½" Lock Block	630X248 525-1612	B*	12	12
FOR 24" STUD BAYS					
689X2111	3½" × 6", ½" F1807 PEX stub out elbow Strong Arm brackets with one, ½" Lock Block	630X246 525-2412	B*	12	12
689X2211	3½" × 8", ½" F1807 PEX stub out elbow Strong Arm brackets with one, ½" Lock Block	630X248 525-2412	B*	12	12



PowerPEX™

Lav/Sink Stub Out Kits

F1807 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689X3102

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689X3102	Two 3½" × 6", ½" F1807 PEX stub out elbows Strong Arm brackets with two ½" Lock Blocks	630X246 525-1622	B*	12	12
689X3202	Two 3½" × 8", ½" F1807 PEX stub out elbows Strong Arm brackets with two ½" Lock Blocks	630X248 525-1622	B*	12	12
FOR 24" STUD BAYS					
689X3112	Two 3½" × 6", ½" F1807 PEX stub out elbows Strong Arm brackets with two ½" Lock Blocks	630X246 525-2422	B*	12	12
689X3212	Two 3½" × 8", ½" F1807 PEX stub out elbows Strong Arm brackets with two ½" Lock Blocks	630X248 525-2422	B*	12	12



SUPPLY



689X5103

DRAINAGE

SUPPORT

PowerPEX™ Water Heater Stub Out Kits

F1807 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689X5103	Two 4 1/2" x 8", 3/4" F1807 PEX stub out elbows Strong Arm brackets with two 3/4" Lock Blocks	630X348 525-1623	B*	12	12
FOR 24" STUD BAYS					
689X5113	3 1/2" x 6", 1/2" F1807 PEX stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630X348 525-2423	B*	12	12

APPENDIX



689X2291

PowerPEX™ Shower Riser Elbow Kits

F1807 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689X2291	3 1/2" x 8", 1/2" F1807 PEX stub out elbow Strong Arm brackets with one 1/2" Shower WallNut Lock Block	630X248 525-16WLB	B*	12	12

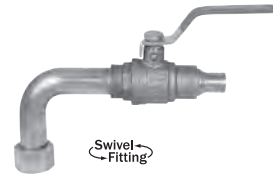
PowerPEX™

Water Heater Connector Kits

F1807 PEX Connection

- Pre-manufactured assemblies
- Maintains the necessary 18" distance from PEX

DO NOT use pipe dope on FIP threads



Swivel-Fitting

694XG32012091

Related Products

Build your own kit

p 271

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
694XG32012091	3/4" FIP x 3/4" F1807 PEX 3/4" FIP x 3/4" F1807 PEX elbow, w/ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	633X18 631XG02FP 633-G3TM15	B*	10	10
NEW 694XG322123	3/4" FIP x 3/4" F1807 PEX 3/4" F1807 PEX x 3/4" FIP swivel, ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples	633X18 633XG18FP 635-33	B*	10	10
694XG32012391	3/4" FIP x 3/4" F1807 PEX 3/4" FIP x 3/4" F1807 PEX elbow, w/ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples 3/4" x 3/4" FIP swivel with 3/4" MIP branch	633X18 631XG02FP 635-33 633-G3TM15	B*	10	10
NEW 694XG322120	3/4" FIP x 3/4" F1807 PEX 3/4" F1807 PEX x 3/4" FIP swivel, ball valve	633X18 633XG18FP	B*	10	10
NEW 694XG32012093	3/4" FIP x 3/4" F1807 PEX 3/4" FIP x 3/4" F1807 PEX elbow, w/ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	633X18 631XG02FP 633-G3TM11	B*	10	10



SUPPLY

DRAINAGE

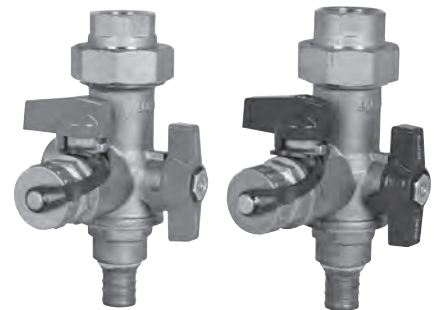
SUPPORT

APPENDIX

PowerPEX™

Tankless Water Heater Kits

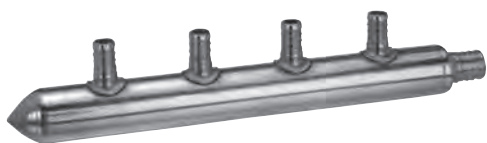
- Forged brass bodies
- 600 WOG full port valve
- Integral 1/4-turn drain valve with cap
- 3/4" hot connector has integral 3/4" FIP port for pressure relief valve
- 1" hot connector has integral 3/4" MIP port for pressure relief valve
- Fits most tankless water heaters
- Available with or without pressure-only relief valve
- Pressure-only relief valve rated at 150 PSI at 500,000 BTU/hr



690X0145

Item No	Description	Pkg	Min Qty	Case Qty
690X0145	3/4" hot and cold connectors	B*	1	1
NEW 690X0175	3/4" hot and cold connectors, with relief valve	B*	1	1
690X4045	1" hot and cold connectors	B*	1	1

SUPPLY

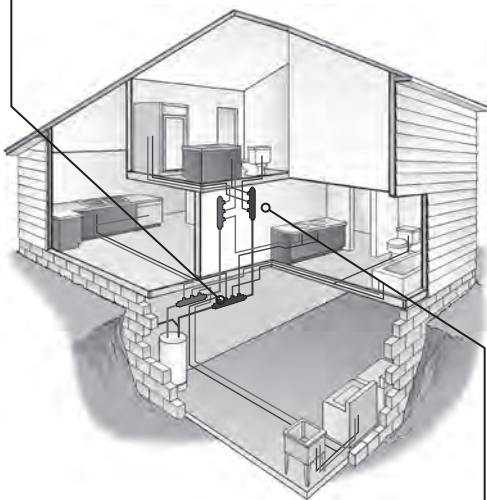


DRAINAGE



Primary Manifold

SUPPORT



APPENDIX

Secondary Manifold



PowerPEX™ BranchMaster™

Copper Manifolds

- Continuous runs of PEX piping without joints
- Cuts installation time
- Equalized flow to each fixture helps reduce pressure fluctuations which cause scalding
- Great for primary or secondary manifolding
- PEX branches have lead-free solder joints
- Sweat branches are brazed to trunk for safe soldering
- Manifolds with valved branches require access panels and those without valves do not require access panels
- Male sweat branch and trunk end connections are press-fitting compatible
- Copper manifolds are available with or without ball valves or balancing valves and are ideal for hydronic applications



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

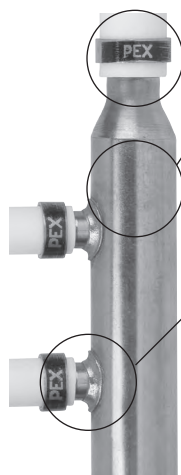


Important Notes About Sioux Chief Male Sweat Fitting

All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

PowerPEX™ BranchMaster™

Custom Copper Manifolds



Branch Options

- 3/8", 1/2" and 3/4" PEX
- 1/2", 3/4" and 1" male sweat
- 1/2", 3/4" and 1" female sweat
- 1/2", 3/4" and 1" MIP
- 1/2", 3/4" and 1" FIP
- Optional distance between branch center
- Mini-ball or full port ball valves

Trunk Options

- 3/4" CTS Type L
- 1" CTS Type L
- 1 1/4" CTS Type L
- 1 1/2" CTS Type L
- 2" CTS Type L

Trunk End Options

- 3/4" and 1" PEX
- 3/4", 1", 1 1/4", 1 1/2" and 2" male sweat
- 3/4", 1", 1 1/4", 1 1/2" and 2" female sweat
- 3/4", 1", 1 1/4", 1 1/2" and 2" MIP
- 3/4", 1", 1 1/4", 1 1/2" and 2" FIP
- 1", 1 1/4", 1 1/2" and 2" CPVC
- 3/4", 1", 1 1/4", 1 1/2" and 2" spin closed
- Extended trunk ends
- Full port ball valve

All custom manifolds have a minimum quantity of 25. Custom made parts are not normal stock, and cannot be returned, except in cases of manufacturer's defect.

PowerPEX™

3/8" F1807 PEX Branches

3/4" F1807 PEX × Spin Closed Trunk

- 1" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
671X0490	4	3/8" F1807	B	25	25
671X0690	6	3/8" F1807	B	25	25
671X0890	8	3/8" F1807	B	25	25
671X1090	10	3/8" F1807	B	25	25
671X1290	12	3/8" F1807	B	25	25



PowerPEX™

3/8" F1807 PEX Branches

3/4" Male Sweat × Spin Closed Trunk

- 1" Type L copper trunk
- 3/4" male sweat connection provides flexibility
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
671X0430	4	3/8" F1807	B	25	25
671X0630	6	3/8" F1807	B	25	25
671X0830	8	3/8" F1807	B	25	25
671X1030	10	3/8" F1807	B	25	25
671X1230	12	3/8" F1807	B	25	25



PowerPEX™

1/2" F1807 PEX Branches

3/4" F1807 PEX × 3/4" F1807 PEX Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Great as a primary manifold



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0399	3	1/2" F1807	B	25	25
672X0499	4	1/2" F1807	B	25	25
672X0499PK	4	1/2" F1807	C*	6	6
672X0599	5	1/2" F1807	B	25	25
672X0699	6	1/2" F1807	B	25	25
672X0699PK	6	1/2" F1807	C*	6	6
672X0899	8	1/2" F1807	B	25	25
672X0999	9	1/2" F1807	B	25	25
672X1299	12	1/2" F1807	B	25	25



SUPPLY



PowerPEX™

1/2" F1807 PEX Ball Valve Branches

3/4" F1807 PEX × 3/4" F1807 PEX Trunk

- 1" Type L copper trunk
- Branches are 2" on-center

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XV0499	4	1/2" F1807 ball valve	B	1	10
672XV0599	5	1/2" F1807 ball valve	B	1	10
672XV0699	6	1/2" F1807 ball valve	B	1	10
672XV0699-2PK	6	1/2" F1807 ball valve	C*	5	5

DRAINAGE

SUPPORT

APPENDIX



PowerPEX™

1/2" F1807 PEX Branches

3/4" F1807 PEX × 1" F1807 PEX Trunk

- 1" Type L copper trunk
- Branches are 2" on-center

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0497	4	1/2" F1807	B	10	10
672X0697	6	1/2" F1807	B	10	10
672X0897	8	1/2" F1807	B	10	10
672X1297	12	1/2" F1807	B	10	10



PowerPEX™

1/2" F1807 PEX Branches

1" F1807 PEX × 1" F1807 PEX Trunk

- 1" Type L copper trunk
- Branches are 2" on-center

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0477	4	1/2" F1807	B	10	10
672X0677	6	1/2" F1807	B	10	10
672X0877	8	1/2" F1807	B	10	10
672X1277	12	1/2" F1807	B	10	10



PowerPEX™

1/2" F1807 PEX Branches

3/4" F1807 PEX × Spin Closed Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Great as a secondary manifold



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0390	3	1/2" F1807	B	25	25
672X0390PK	3	1/2" F1807	C*	5	5
672X0490	4	1/2" F1807	B	25	25
672X0490PK	4	1/2" F1807	C*	5	5
672X0590	5	1/2" F1807	B	25	25
672X0690	6	1/2" F1807	B	25	25
672X0690PK	6	1/2" F1807	C*	5	5
672X0790	7	1/2" F1807	B	25	25
672X0890	8	1/2" F1807	B	25	25
672X0990	9	1/2" F1807	B	25	25
672X1090	10	1/2" F1807	B	25	25
672X1290	12	1/2" F1807	B	25	25

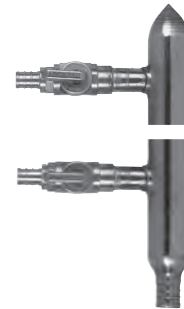


PowerPEX™

1/2" F1807 PEX Ball Valve Branches

3/4" F1807 PEX × Spin Closed Trunk

- 1" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XV0490	4	1/2" F1807 ball valve	B	1	10
672XV0490PK	4	1/2" F1807 ball valve	C*	5	5
672XV0590	5	1/2" F1807 ball valve	B	1	10
672XV0690	6	1/2" F1807 ball valve	B	1	10

PowerPEX™

1/2" F1807 PEX Branches

3/4" F1807 PEX × Spin Closed Extended Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Extended ends can be easily converted to 1" male sweat by cutting off the reduction or spin closed end, leaving 5" from PEX branch



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0490EE	4	1/2" F1807	B	10	10
672X0690EE	6	1/2" F1807	B	10	10



SUPPLY



PowerPEX™

1/2" F1807 PEX Branches

1" F1807 PEX × Spin Closed Trunk

- 1" Type L copper trunk
- Branches are 2" on-center

DRAINAGE



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0470	4	1/2" F1807	B	10	10
672X0670	6	1/2" F1807	B	10	10
672X0870	8	1/2" F1807	B	10	10
672X1270	12	1/2" F1807	B	10	10

SUPPORT



PowerPEX™

1/2" F1807 PEX Branches

3/4" Male Sweat ×

3/4" Male Sweat Extended Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Extended ends can be easily converted to 1" male sweat by cutting off the reduction or spin closed end, leaving 5" from PEX branch

APPENDIX



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0433EE	4	1/2" F1807	B	10	10
672X0633EE	6	1/2" F1807	B	10	10
672X0833EE	8	1/2" F1807	B	10	10
672X1033EE	10	1/2" F1807	B	10	10
672X1233EE	12	1/2" F1807	B	10	10

PowerPEX™

1/2" F1807 PEX Branches

3/4" Male Sweat ×

3/4" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center

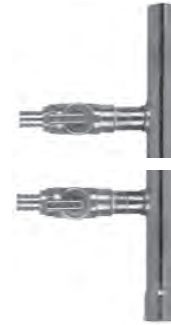


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0431PK	4	1/2" F1807	C*	5	5

PowerPEX™

1/2" F1807 PEX Ball Valve Branches
3/4" Male Sweat ×
3/4" Female Sweat Trunk

- 3/4" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XV3L-0431PK	4	1/2" F1807 ball valve	C*	5	5

PowerPEX™

1/2" F1807 PEX Branches
3/4" Male Sweat × Spin Closed Trunk

- 1" Type L copper trunk
- 3/4" male sweat connection provides flexibility
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0330	3	1/2" F1807	B	25	25
672X0430	4	1/2" F1807	B	25	25
672X0630	6	1/2" F1807	B	25	25
672X0830	8	1/2" F1807	B	25	25
672X0930	9	1/2" F1807	B	25	25
672X1230	12	1/2" F1807	B	25	25



PowerPEX™

1/2" F1807 PEX Branches
1" Male Sweat × 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0444	4	1/2" F1807	B	25	25
672X0644	6	1/2" F1807	B	25	25
672X0844	8	1/2" F1807	B	25	25
672X1244	12	1/2" F1807	B	25	25



SUPPLY

DRAINAGE

SUPPORT

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SUPPLY

DRAINAGE



PowerPEX™

1/2" F1807 PEX Branches

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0441PK	4	1/2" F1807	C*	5	5

SUPPORT

APPENDIX



PowerPEX™

1/2" F1807 PEX Branches

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center (unless noted)
- Brazed branches



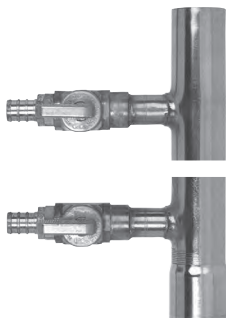
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0242	2	1/2" F1807	B	1	10
672X0342	3	1/2" F1807	B	1	10
672X0442	4	1/2" F1807	B	1	10
672X4L-1131B3	11	1/2" F1807, 3" O.C.	B	5	5

PowerPEX™

1/2" F1807 PEX Ball Valve Branches

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center (unless noted)



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XV0242	2	1/2" F1807 ball valve	B	1	10
672XV0342	3	1/2" F1807 ball valve	B	1	10
672XV0431PK	4	1/2" F1807 ball valve	C*	5	5
672XV0442	4	1/2" F1807 ball valve	B	1	10
672XV4L-11313	11	1/2" F1807 ball valve, 3" O.C.	B	1	5

PowerPEX™

**1/2" F1807 PEX Balancing Valve Branches
1" Male Sweat × 1" Female Sweat Trunk**

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XB0242	2	1/2" F1807 balancing valve	B	1	10
672XB0342	3	1/2" F1807 balancing valve	B	1	10
672XB0442	4	1/2" F1807 balancing valve	B	1	10

SUPPLY

DRAINAGE

PowerPEX™

**1/2" F1807 PEX Branches
1" Male Sweat × Spin Closed Trunk**

- 1" Type L copper trunk can be easily converted to most any connection
- Branches are 2" on-center
- 1" male sweat inlet is press-fitting compatible



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0440	4	1/2" F1807	B	25	25
672X0640	6	1/2" F1807	B	25	25
672X0840	8	1/2" F1807	B	25	25
672X1240	12	1/2" F1807	B	25	25



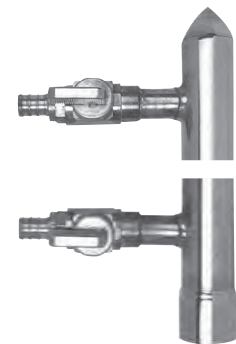
SUPPORT

APPENDIX

PowerPEX™

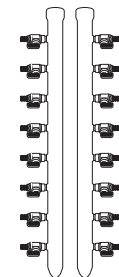
**1/2" F1807 PEX Ball Valve Branches
1" Female Sweat × Spin Closed Trunk**

- 1" Type L copper trunk
- Branches are 2" on-center
- Valved branches are perfect for centrally located water supply manifolds



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
RIGHT INLET					
672XV0810	8	1/2" F1807 ball valve	B	1	10
672XV1010	10	1/2" F1807 ball valve	B	1	10
672XV1210	12	1/2" F1807 ball valve	B	1	4
672XV1510	15	1/2" F1807 ball valve	B	1	5
672XV1810	18	1/2" F1807 ball valve	B	1	5
LEFT INLET					
672XV0810L	8	1/2" F1807 ball valve	B	1	10
672XV1010L	10	1/2" F1807 ball valve	B	1	10
672XV1210L	12	1/2" F1807 ball valve	B	1	4
672XV1510L	15	1/2" F1807 ball valve	B	1	5
672XV1810L	18	1/2" F1807 ball valve	B	1	5

Use left and right inlet manifolds for hot and cold potable water systems.



672XV0810L

672XV0810

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



**NO
LEAD**

FBC
SYSTEM COMPATIBLE

PowerPEX™

**1/2" F1807 PEX Branches
1" CPVC × Spin Closed Trunk**

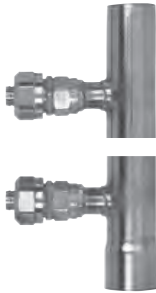
- 1" Type L copper trunk
- Branches are 2" on-center
- Perfect for hybrid potable water piping systems

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X03C0	3	1/2" F1807	B	10	10
672X04C0	4	1/2" F1807	B	10	10
672X05C0	5	1/2" F1807	B	10	10
672X06C0	6	1/2" F1807	B	10	10
672X08C0	8	1/2" F1807	B	10	10
672X10C0	10	1/2" F1807	B	10	10
672X12C0	12	1/2" F1807	B	10	10

PowerPEX™

**1/2" ComPEX Branches
1" Male Sweat × 1" Female Sweat Trunk**

- 1/2" ComPEX 5/8" O.D. compression branches
- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications

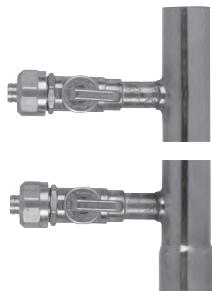


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672C0242	2	1/2" ComPEX	B	1	10
672C0342	3	1/2" ComPEX	B	1	10
672C0442	4	1/2" ComPEX	B	1	10

PowerPEX™

**1/2" ComPEX Ball Valve Branches
1" Male Sweat × 1" Female Sweat Trunk**

- 1/2" ComPEX 5/8" O.D. compression branches
- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications

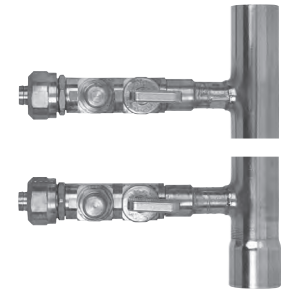


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672CV0242	2	1/2" ComPEX ball valve	B	1	10
672CV0342	3	1/2" ComPEX ball valve	B	1	10
672CV0442	4	1/2" ComPEX ball valve	B	1	10

PowerPEX™

**1/2" ComPEX Balancing Valve Branches
1" Male Sweat × 1" Female Sweat Trunk**

- 1/2" ComPEX 5/8" O.D. compression branches
- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672CB0242	2	1/2" ComPEX balancing valve	B	1	10
672CB0342	3	1/2" ComPEX balancing valve	B	1	10
672CB0442	4	1/2" ComPEX balancing valve	B	1	10

PowerPEX™

**Mixed F1807 PEX Branches
3/4" PEX × 3/4" PEX Trunk**

- 1" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
679X152199	6	5 @ 3/8" F1807 1 @ 1/2" F1807	B	10	10
679X172199	8	7 @ 3/8" F1807 1 @ 1/2" F1807	B	10	10
679X102299	12	10 @ 3/8" F1807 2 @ 1/2" F1807	B	10	10



PowerPEX™

**Mixed F1807 PEX Branches
3/4" PEX × Spin Closed Trunk**

- 1" Type L copper trunk
- Branches are 2" on-center



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
679X152190	6	5 @ 3/8" F1807 1 @ 1/2" F1807	B	10	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

NEW PowerPEX™

Slab Manifolds

- Perfect as a secondary manifold for a bathroom group
- Great for looping PEX lines back under a slab



672BXT0390



672BXT0399

Item No	Description	Pkg	Min Qty	Case Qty
672BXT0390	Mini Manifold 3-Port 3/4 F1807 x Closed	C*	10	10
672BXT0399	Mini Manifold 3-Port 3/4 F1807 x 3/4 F1807	C*	10	10
672BXT0490	Mini Manifold 4-Port 3/4 F1807 x Closed	C*	10	10
672BXT0499	Mini Manifold 4-Port 3/4 F1807 x 3/4 F1807	C*	10	10



BranchMaster™

1/2" Male Sweat Branches

1" Male Sweat × 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Press-fitting compatible



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
678-20344	3	1/2" male sweat	B	10	10
678-20644	6	1/2" male sweat	B	10	10
678-21244	12	1/2" male sweat	B	10	10



BranchMaster™

1/2" Male Sweat Branches

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center (unless noted)
- Press-fitting compatible



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
678-20242	2	1/2" male sweat	B	10	10
678-20342	3	1/2" male sweat	B	10	10
678-20442	4	1/2" male sweat	B	10	10
6784L-11313	11	1/2" male sweat, 3" O.C.	B	5	5

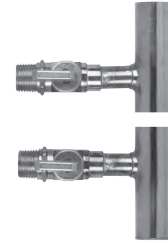


BranchMaster™

**1/2" MIP/Female Sweat
Ball Valve Branches**

1" Male Sweat × 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-V20244	2	1/2" MIP/female sweat ball valve	B	1	10
675-V20344	3	1/2" MIP/female sweat ball valve	B	1	10
675-V20444	4	1/2" MIP/female sweat ball valve	B	1	10
675-V20544	5	1/2" MIP/female sweat ball valve	B	1	10

BranchMaster™

1/2" MIP Branches

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



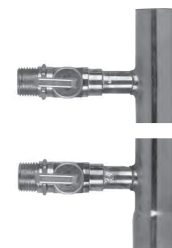
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-20242	2	1/2" MIP	B	10	10
675-20342	3	1/2" MIP	B	10	10
675-20442	4	1/2" MIP	B	10	10

BranchMaster™

**1/2" MIP/Female Sweat
Ball Valve Branches**

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



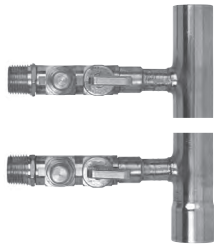
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-V20242	2	1/2" MIP/female sweat ball valve	B	1	10
675-V20342	3	1/2" MIP/female sweat ball valve	B	1	10
675-V20442	4	1/2" MIP/female sweat ball valve	B	1	10

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



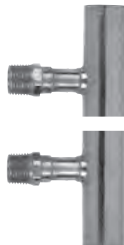
BranchMaster™

**1/2" MIP/Female Sweat
Balancing Valve Branches**

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-B20242	2	1/2" MIP/female sweat balancing valve	B	1	12
675-B20342	3	1/2" MIP/female sweat balancing valve	B	1	10
675-B20442	4	1/2" MIP/female sweat balancing valve	B	1	10



BranchMaster™

1/2" MIP Branches

1" Male Sweat × 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-20244	2	1/2" MIP	B	10	10
675-20344	3	1/2" MIP	B	10	10
675-20444	4	1/2" MIP	B	10	10
675-20544	5	1/2" MIP	B	10	10



BranchMaster™

3/4" Male Sweat Branches

**1 1/4" Male Sweat ×
1 1/4" Male Sweat Trunk**

- Branches are 3" on-center
- 1 1/4" Type L copper trunk
- Press-fitting compatible



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
6795L-12333	12	3/4" male sweat	B	1	5

BranchMaster™

3/4" Male Sweat Branches

1 1/2" Male Sweat ×

1 1/2" Male Sweat Trunk

- Branches are 3" on-center
- 1 1/2" Type L copper trunk
- Press-fitting compatible



SUPPLY

DRAINAGE

SUPPORT

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
6796L-12333	12	3/4" male sweat	B	1	5



BranchMaster™

3/4" Male Sweat Branches

2" Male Sweat × 2" Male Sweat Trunk

- Branches are 3" on-center
- 2" Type L copper trunk
- Press-fitting compatible



APPENDIX

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
6797L-12333	12	3/4" male sweat	B	1	4

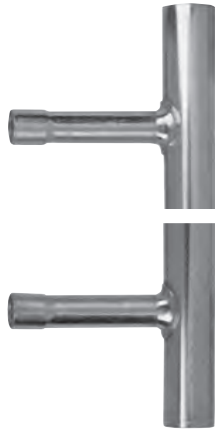


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



BranchMaster™

3/4" Female Sweat Branches

1 1/4" Male Sweat ×

1 1/4" Male Sweat Trunk

- Branches are 4" on-center
- 1 1/4" Type L copper trunk
- Press-fitting compatible



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
67745L-08334	8	3/4" female sweat	B	1	5



677-11

BranchMaster™

Manifold Endpiece

- 1" Type L copper trunk
- 1/8" FIP and 1/2" FIP branches
- Outlets connect to gauges, valves or service points
- Perfect for radiant heat manifold application

Item No	Branch Qty	Trunk Ends	Pkg	Min Qty	Case Qty
677-11	2	1" female sweat × spin closed	B	1	10
677-116	2	1 1/2" female sweat × spin closed	B	1	10
677-117	2	2" female sweat × spin closed	B	1	10

PowerPEX™ Crimp Tools

Complete line of F1807 crimp tool options:

- Composite handles are strong and durable, yet lightweight
- Compact tools allow for one-hand crimping
- Combo tools for the most common crimp connections and added cost savings
- Free Go/No-Go gauge provided with every model
- Also work on PB F1380 tube and fittings
- PowerPEX™ Tools by Tomahawk™



305-40CPK



305-23CPK



305-92PK



305-100PK1



305-95



305-41CKIT

Item No	Description	Length	Pkg	Min Qty	Case Qty
COMPOSITE HANDLE					
NEW 305-20CPK	1/2"	14"	B*	1	10
NEW 305-30CPK	3/4"	14"	B*	1	10
305-23CPK	1/2" over 3/4" combo	14"	B*	1	10
305-40CPK	1"	14"	B*	1	10
COMPOSITE HANDLE KIT					
NEW 305-41CKIT	3/8", 1/2", 3/4" & 1"	16"	B*	1	10
COMPACT OFFSET WITH STEEL HANDLE					
305-91PK	3/8" with carrying case	11"	B*	1	12
305-92PK	1/2" with carrying case	11"	B*	1	10
305-93PK	3/4" with carrying case	11.5"	B*	1	10
MULTI-SIZE BLOCK STYLE					
305-100PK1	3/8"-1" economical model	—	C*	1	10
GO/NO-GO GAUGE					
305-95	Gauge 3/8", 1/2", 3/4" & 1"	—	C*	12	12

SUPPLY

DRAINAGE

SUPPORT



305-99

PowerPEX™ Crimp Ring Removal Tool

F1807 PEX Tool

- Two cuts on copper ring allows user to reclaim fitting
- Cutting blade only penetrates the copper ring and pipe
- Suitable for use on ½" through 1" PEX pipe sizes
- Allows fitting recovery without damaging the sealing surfaces of the fitting
- Do not use on Copper F1807 PEX or AccuCrimp™ fittings
- PowerPEX™ Tools by Tomahawk™

Item No	Description	Pkg	Min Qty	Case Qty
305-99	Crimp ring removal tool	B*	1	10

APPENDIX

PowerPEX™ Stainless Steel PEX Compression Tools

Patent# D628,036 S

- Exclusively for installing Sioux Chief's V-Sleeve™ stainless steel PEX compression system
- Steel handle
- PowerPEX™ Tools by Tomahawk™



305-83TX



305-92TX



Unique jaw design for stainless steel sleeves reduces chances of confusion with common *crimp ring* tools.

Related Products

V-Sleeve

p 32



Item No	Description	Pkg	Min Qty	Case Qty
STEEL HANDLE				
305-82TX	½" press tool	B*	1	10
305-83TX	¾" press tool	B*	1	10
305-84TX	1" press tool	B*	1	10
GO/NO-GO GAUGE				
305-85TX	Go/No-Go gauge ½", ¾" & 1"	B*	1	12
COMPACT OFFSET WITH STEEL HANDLE				
NEW 305-92TX	½" press tool	B*	1	10

PowerPEX™ Plastic Tube Cutter

F1807 PEX Tool

- Quickly cut PEX, PVC, CPVC and other poly pipe or non-metallic hose
- For 1½" O.D. tube or smaller, but with two different blade lengths, depending on your preference
- Replacement blades available
- **PowerPEX™ Tools by Tomahawk™**



304-08

Item No	Description	Pkg	Min Qty	Case Qty
304-08	Plastic tube and hose cutter - 2¼" blade length	C*	12	72
304-1	Stainless steel replacement blade for 304-08	B	1	50
304-12	Plastic tube and hose cutter - 3¼" blade length	C*	1	12
304-12B	Stainless steel replacement blade for 304-12	B	1	12

PowerPEX™ Ratchet Tube Cutter

F1807 PEX Tool

- For use with PVC and polyethylene piping
- Easy ratchet cutting action
- **PowerPEX™ Tools by Tomahawk™**



304-11



305-A139092

Item No	Description	Pkg	Min Qty	Case Qty
304-11	Cuts ⅜" thru 1¼" diameter tube/pipe	C*	1	12
305-A139092	Cuts 1¼" thru 2" diameter tube/pipe	B	1	10
305-A139092B	Replacement blade	B	1	25

PowerPEX™ **NEW** Stainless Steel PEX Tube Insert

- Inserts reinforce inner PEX tube wall for compression connections



280-A266537

Item No	Description	Pkg	Min Qty	Case Qty
280-A266537	½"	B	10	2500
280-A266607	¾"	B	50	1000
280-A266617	1"	B	50	1000
280-A266627	1¼"	B	25	25
280-A266637	1½"	B	25	25
280-A266647	2"	B	25	25





“ I can't say enough about the overall quality, durability and acceptability of the Sioux Chief drainage offering. Our customers expect the best and Sioux Chief never lets them down. ”

Larry Platz
Morrison Supply

F2434 FAILSAFE™ FITTINGS

Failsafe™ fittings are manufactured to the ASTM F2434 Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing. Sioux Chief F2434 fittings are made in the United States with domestic materials.

O-rings must be in place for proper installation. Failsafe female and male sweat adapter o-rings must be installed by the installer after the solder connection and before making the crimp connection.

NSF-PW, except 1½".



SUPPLY

DRAINAGE

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APPENDIX

Failsafe™ Crimp Ring



649X5

Item No	Description	Pkg	Min Qty	Case Qty
649X5	1¼" Failsafe	B	25	250
649X6	1½" Failsafe	B	25	250

Failsafe™ Elbow

- One-piece standard brass



642X5

Item No	Description	Pkg	Min Qty	Case Qty
642X5	Failsafe elbow 1¼" × 1¼"	B	10	50



Failsafe™ Tee

- One-piece standard brass



641X555

Item No	Description (Branch × Branch × Tee)	Pkg	Min Qty	Case Qty
641X544	Failsafe tee 1¼" × 1" × 1"	B	10	50
641X552	Failsafe tee 1¼" × 1¼" × ½"	B	10	50
641X553	Failsafe tee 1¼" × 1¼" × ¾"	B	10	50
641X554	Failsafe tee 1¼" × 1¼" × 1"	B	10	50
641X555	Failsafe tee 1¼" × 1¼" × 1¼"	B	5	50



SUPPLY

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APPENDIX



645X5



Failsafe™ Coupling

- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
645X54	Failsafe 1¼" × 1"	B	10	100
645X5	Failsafe 1¼" × 1¼"	B	10	10
645X6	Failsafe 1½" × 1½"	B	10	50



640X05



Failsafe™ Plug

- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
640X05	1¼" Failsafe test plug	B	10	100
640X06	1½" Failsafe test plug	B	10	50



643X5



646X5



Failsafe™ Straight Adapter

- Male Sweat × Failsafe
- Female Sweat × Failsafe
- MIP × Failsafe
- CPVC × Failsafe
- PVC × Failsafe

- O-rings are not installed on sweat adapters. After solder connection is made, install o-rings in proper location before making crimp connections
- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
MSWT				
643X5	1¼" Failsafe × 1¼" MSWT	B	10	100
643X6	1½" Failsafe × 1½" MSWT	B	10	100
FSWT				
644X45	1¼" Failsafe × 1" FSWT	B	10	50
644X5	1¼" Failsafe × 1¼" FSWT	B	10	50
MIP				
646X5	1¼" Failsafe × 1¼" MIP	B	10	50
CPVC				
645XC54	1¼" Failsafe × 1" CPVC	B	10	10
645XC5	1¼" Failsafe × 1¼" CPVC	B	10	10
PVC				
645X54P	1¼" Failsafe × 1" PVC	B	10	10
645X5P	1¼" Failsafe × 1¼" PVC	B	10	10

F2159 ACCUCRIMP™ FITTINGS

Patent Pending

AccuCrimp fittings have patented positioning tabs which perfectly locate the ring over the barbs every time.

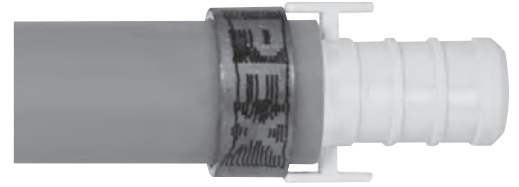
All Sioux Chief AccuCrimp Polymer PEX fittings are manufactured to the ASTM F2159 Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) tubing. AccuCrimp PEX fittings are interchangeable and compatible with all other fittings manufactured to this same standard. Sioux Chief F2159 fittings are made in Canada with domestic materials.

Sioux Chief AccuCrimp fittings are certified and listed to the cNSF®us pwG, UPC and CSA B137.5.

Sioux Chief allows the use of either a copper crimp or Sioux Chief V-Sleeve to connect SDR9 PEX tubing to an AccuCrimp PEX fitting.

AccuCrimp F2159 PEX fittings are made of Acudel®.

Caution: Primers, solvents, glues, lubricants, pipe dopes, thread oils and paste should not come in contact with PPSU (Polyphenylsulfone) fittings. AccuCrimp F2159 fittings must be stored away from petroleum products and direct sunlight to protect from UV exposure.



SUPPLY

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Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

PowerPEX™ PEX Crimp Ring

- Pure, annealed copper rings
- For use with PEX SDR9 tubing only
- Do not use with PB tube



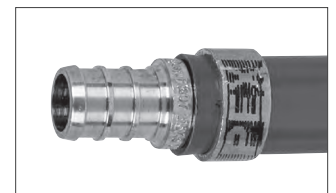
649X2



Related Products
PEX crimp tools

p 81

Item No	Description	Pkg	Min Qty	Case Qty
649X1	3/8" PEX	B	100	1000
649X1PK2	3/8" PEX, 25/bag	C*	6	6
649X2	1/2" PEX	B	100	1000
649X2PK2	1/2" PEX, 25/bag	C*	24	24
649X2PK3	1/2" PEX, 100/bag	C*	10	10
649X3	3/4" PEX	B	100	500
649X3PK2	3/4" PEX, 25/bag	C*	12	12
649X3PK3	3/4" PEX, 100/bag	C*	10	10
649X4	1" PEX	B	25	250
649X4PK2	1" PEX, 10/bag	C*	10	10



TECHNICAL BULLETIN

» TYPE B PEX TUBING

PowerPEX®

SUBJECT: PowerPEX® Type B Tubing with F1960 Expansion Fittings

DATE: March 2018

PAGE: 1 of 1

Sioux Chief has updated the PowerPEX® type B tubing print line and warranty to include and cover its use with ASTM F1960 expansion fittings for tubing sizes 3/8" – 2". All PowerPEX® type B tubing with a 2018 date code or later can be used with ASTM F1960 fittings.

Sioux Chief has thoroughly tested PowerPEX® type B tubing with ASTM F1960 brass and polymer fittings. Sioux Chief PowerPEX® is in the process of being NSF certified for use with ASTM F1960. This listing is in addition to ASTM F2159 and ASTM F1807. The tubing maintains the mark of ASTM F877 and F876.

ASTM F1960 connections with PowerPEX® type B tubing must be made with a self-rotating, power expansion tool. Self-rotating power expansion tools are designed to automatically expand the tubing at the proper rate, while rotating a set distance per activation. These features assure the connection achieves the necessary tube ID and overall connection geometry which allow the tube and fittings to be used together at any temperature*

Manual expansion tools may leave weak spots in the tubing wall if used improperly due to non-uniform expansion and improper expansion rate. A self-rotating power tool avoids both of these common installation problems; therefore, Sioux Chief will require these types of tools in its system certification for ASTM F1960 using type B tubing.

When making ASTM F1960 connections, proper tool installation protocols must be maintained per the manufacturer's installation and operating instructions as well as Sioux Chief's proper fitting installation to assure all direct warranties are maintained.

PowerPEX® tube and fittings carry a 25 year warranty on material and workmanship. PowerPEX® tube and fittings can be mixed with other manufacturers' compatible tube and fittings systems.

*NOTE: ASTM F1960 connections made in temperatures below 35 °F with either Sioux Chief PowerPEX® type B tubing or Sioux Chief PowerPEX® type A tubing should be conditioned per Sioux Chief installation instructions (see www.siouxchief.com) to allow the tube and ring to annularly constrict around the sealing barb of the fitting thereby achieving an air-tight pressure seal.



Self-rotating, power expansion tools

The information contained herein is believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be attained therefrom. Before using, the user shall determine suitability of the information for the user's intended use and shall assume all risk and liability in connection therewith. Installation shall comply with local codes where applicable. **To The Extent Permitted By Law, Sioux Chief Disclaims All Warranties, Express Or Implied, Including But Not Limited To Any Implied Warranties Of Merchantability or of Fitness For A Particular Purpose.**

Sioux Chief

Sioux Chief Manufacturing Company |

P: 1.800.821.3944 |

F: 1.800.758.5950 |

www.siouxchief.com |

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Sioux Chief Manufacturing Company, Inc.
14940 Thunderbird Road
Kansas City, Missouri 64147

P: 1.800.821.3944 | F: 1.800.758.5950

www.siouxchief.com



PowerPEX®

» Compatibility & Warranty



PowerPEX® Tube

- PEX-B tubing
- ½" – 2", Red/White/Blue
- Coils & Lengths
- Barrier & Standard
- Compatible with F1807, F2159, F1960 and F2080 fittings systems

PowerPEX® Fittings





- **CRIMP™ - F1807, F2159** - For use with PEX-B or PEX-A tube, crimp rings or V-Sleeves.
- **GRIP™ - F1960** - No Lead brass or polymer, for use with PEX-B or PEX-A. F1960 connections to PEX-B tubing must be made with self-rotating, power expansion tool.
- **LOCK™ - F2080** - For with PEX-B or PEX-A tube.

Warranty

- PowerPEX® tube and fittings carry a 25 year warranty on material & workmanship. See www.siouxchief.com for warranty details.
- PowerPEX® tube & fittings can be mixed with other manufacturers' compatible tube & fittings systems.

Made In America

- PowerPEX® is proudly made in America, using domestic materials.

» FITTING/TUBE COMPATIBILITY			
	FITTING TYPE	PEX-B	PEX-A
	F1807	■	■
	F2159	■	■
	F1960	■	■
	F2080	■	■

www.siouxchief.com

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Kansas City, Missouri 64147

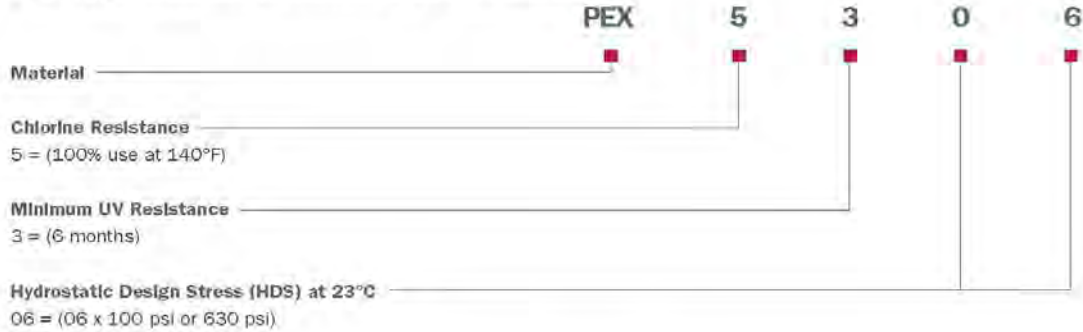
P: 1.800.821.3944 | F: 1.800.758.5950



Sioux Chief PowerPEX™ tubing has the highest ratings possible on chlorine resistance (5), UV resistance (3), as well as hydrostatic design stress (06). This rating of 5306 is identified and marked on the print stream of the tubing.

2.2 PowerPEX Identification & Testing

PEX Type: Chlorine Resistance and UV Inhibition



Tube Type Identification Mark Example: 5206 or 1006

Integer 1: (chlorine resistance) PER ASTM F2023
 0 = Not tested for Chlorine resistance
 1 = 25% use @ 140°F & 75% use @ 73°F
 3 = 50% use @ 140°F & 50% use @ 73°F
 5 = 100% use @ 140°F

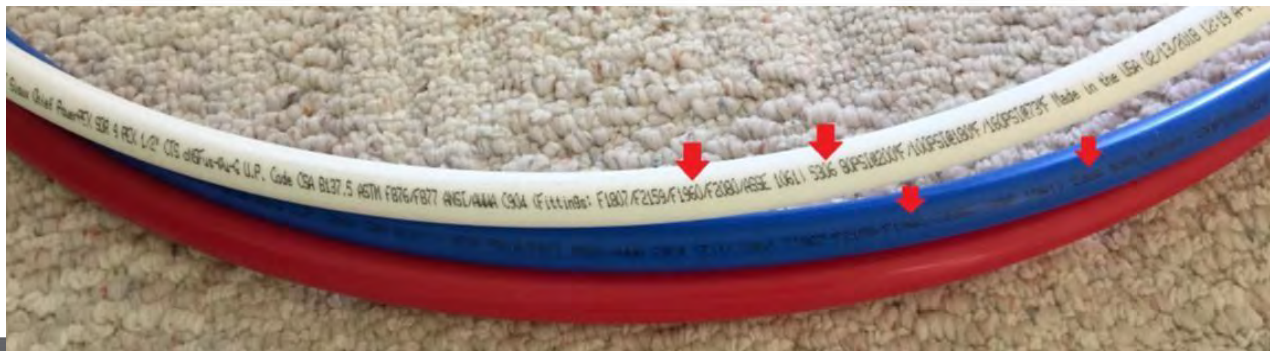
Integer 2: (min. UV resistance) PER ASTM F2657
 0 = Not tested for UV exposure
 1 = Max. exposure of 1 month
 2 = Max. exposure of 3 months
 3 = Max. exposure of 6 months

Integer 3&4: (HDS @ 73°F) x 100 psi.
 06 = 630 psi.

Sioux Chief PowerPEX B tube is rated 5306

Sioux Chief PowerPEX Production Tests and Continuous Compliance Tests

TEST	STANDARD	FREQUENCY
Density	ASTM D1505	Each tubing Run
Hydstatic Sustained Pressure	ASTM D1598	Random Continuous Samples
Hydrostatic Burst Pressure	ASTM D1599	Each tubing Run
Environmental Stress Cracking	ASTM F876	Annually
UV Inhibition	ASTM F2657	During Certification
Degree of Cross-linking	ASTM D2765	Each tubing Run
Stabilizer Functionality	ASTM D1598	During Certification
Oxidative Stability	ASTM F2023	During Certification
Bent Tube Sustained Pressure	ASTM D1598	Annually
Excessive Temp + Pressure Capability	ASTM D1598	Each Random Continuous Samples
Melt Flow Index	ASTM D1238	Each Receipt
Ongoing Dimensional Checks (OD, ID, Wall Thickness, Homogeneity, Etc.)	ASTM F876/877	Continuous
Ongoing Dimensional Checks - Fittings (Copper, Brass, Plastic)	ASTM FITTING STANDARD	Each Run
Rockwell Tests for Copper Crimp Rings	ASTM F1807	Each Run
Alloy Material Test (X-Ray Florescence Analyzer)	ASTM FITTING STANDARD	Each Receipt
Certificate of Resin Compliance	PER MSDS SHEET	Each Receipt
Crush Test (for PPSI) Fittings)	ASTM F2159	Random Continuous Samples



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PowerPEX® Type-B Tube

▶▶ Type-B Stick Bundles*

ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
10-ft Stick Bundles			
664X2B10	PEX Tube ½" Blue 10-ft Lengths 50/Bag (500-ft Per Bag)	BG	1
664X2R10	PEX Tube ½" Red 10-ft Lengths 50/Bag (500-ft Per Bag)	BG	1
664X2W10	PEX Tube ½" White 10-ft Lengths 50/Bag (500-ft Per Bag)	BG	1
664X3B10	PEX Tube ¾" Blue 10-ft Lengths 25/Bag (250-ft Per Bag)	BG	1
664X3R10	PEX Tube ¾" Red 10-ft Lengths 25/Bag (250-ft Per Bag)	BG	1
664X3W10	PEX Tube ¾" White 10-ft Lengths 25/Bag (250-ft Per Bag)	BG	1
664X4W10	PEX Tube 1" White 10-ft Lengths 15/Bag (150-ft Per Bag)	BG	1
20-ft Stick Bundles			
664X2B20	PEX Tube ½" Blue 20-ft Lengths 50/Bag (1000-ft Per Bag)	BG	1
664X2R20	PEX Tube ½" Red 20-ft Lengths 50/Bag (1000-ft Per Bag)	BG	1
664X2W20	PEX Tube ½" White 20-ft Lengths 50/Bag (1000-ft Per Bag)	BG	1
664X3B20	PEX Tube ¾" Blue 20-ft Lengths 25/Bag (500-ft Per Bag)	BG	1
664X3R20	PEX Tube ¾" Red 20-ft Lengths 25/Bag (500-ft Per Bag)	BG	1
664X3W20	PEX Tube ¾" White 20-ft Lengths 25/Bag (500-ft Per Bag)	BG	1
664X4B20	PEX Tube 1" Blue 20-ft Lengths 15/Bag (300-ft Per Bag)	BG	1
664X4R20	PEX Tube 1" Red 20-ft Lengths 15/Bag (300-ft Per Bag)	BG	1
664X4W20	PEX Tube 1" White 20-ft Lengths 15/Bag (300-ft Per Bag)	BG	1
664X5W20	PEX Tube 1¼" White 20-ft Lengths 10/Bag (200-ft Per Bag)	BG	1
664X6W20	PEX Tube 1½" White 20-ft Lengths 8/Bag (160-ft Per Bag)	BG	1
664X7W20	PEX Tube 2" White 20-ft Lengths 5/Bag (100-ft Per Bag)	BG	1

▶▶ Type-B Coils

ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
100-ft Coils			
665X8W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X0W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X1B100	PEX Tube ¾" Blue 100-ft Coil	CL	1
665X1R100	PEX Tube ¾" Red 100-ft Coil	CL	1
665X1W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X2B100	PEX Tube ½" Blue 100-ft Coil	CL	1
665X2R100	PEX Tube ½" Red 100-ft Coil	CL	1
665X2W100	PEX Tube ½" White 100-ft Coil	CL	1
665X3B100	PEX Tube ¾" Blue 100-ft Coil	CL	1
665X3R100	PEX Tube ¾" Red 100-ft Coil	CL	1
665X3W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X4B100	PEX Tube 1" Blue 100-ft Coil	CL	1
665X4R100	PEX Tube 1" Red 100-ft Coil	CL	1
665X4W100	PEX Tube 1" White 100-ft Coil	CL	1
665X5W100	PEX Tube 1¼" White 100-ft Coil	CL	1
665X6W100	PEX Tube 1½" White 100-ft Coil	CL	1
665X7W100	PEX Tube 2" White 100-ft Coil	CL	1
100-ft Coils, O₂ Barrier			
665X2H100	Barrier PEX Tube ½" Orange 100-ft Coil	CL	1
665X3H100	Barrier PEX Tube ¾" Orange 100-ft Coil	CL	1
665X4H100	Barrier PEX Tube 1" Orange 100-ft Coil	CL	1

▶▶ Type-B Coils Cont.

ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
300-ft Coils			
665X2B300	PEX Tube ½" Blue 300-ft Coil	CL	1
665X2R300	PEX Tube ½" Red 300-ft Coil	CL	1
665X2W300	PEX Tube ½" White 300-ft Coil	CL	1
665X3B300	PEX Tube ¾" Blue 300-ft Coil	CL	1
665X3R300	PEX Tube ¾" Red 300-ft Coil	CL	1
665X3W300	PEX Tube ¾" White 300-ft Coil	CL	1
665X4B300	PEX Tube 1" Blue 300-ft Coil	CL	1
665X4R300	PEX Tube 1" Red 300-ft Coil	CL	1
665X4W300	PEX Tube 1" White 300-ft Coil	CL	1
665X5W300	PEX Tube 1¼" White 300-ft Coil	CL	1
665X6W300	PEX Tube 1½" White 300-ft Coil	CL	1
300-ft Coils, O₂ Barrier			
665X2H300	Barrier PEX Tube ½" Orange 300-ft Coil	CL	1
665X3H300	Barrier PEX Tube ¾" Orange 300-ft Coil	CL	1
500-ft Coils			
665X2B500	PEX Tube ½" Blue 500-ft Coil	CL	1
665X2R500	PEX Tube ½" Red 500-ft Coil	CL	1
665X2W500	PEX Tube ½" White 500-ft Coil	CL	1
665X3B500	PEX Tube ¾" Blue 500-ft Coil	CL	1
665X3R500	PEX Tube ¾" Red 500-ft Coil	CL	1
665X3W500	PEX Tube ¾" White 500-ft Coil	CL	1
665X4B500	PEX Tube 1" Blue 500-ft Coil	CL	1
665X4R500	PEX Tube 1" Red 500-ft Coil	CL	1
665X4W500	PEX Tube 1" White 500-ft Coil	CL	1
500-ft Coils, O₂ Barrier			
665X2H500	Barrier PEX Tube ½" Orange 500-ft Coil	CL	1
665X4H500	Barrier PEX Tube 1" Orange 500-ft Coil	CL	1
1000-ft Coils			
665X2B1000	PEX Tube ½" Blue 1000-ft Coil	CL	1
665X2R1000	PEX Tube ½" Red 1000-ft Coil	CL	1
665X2W1000	PEX Tube ½" White 1000-ft Coil	CL	1
665X3B1000	PEX Tube ¾" Blue 1000-ft Coil	CL	1
665X3R1000	PEX Tube ¾" Red 1000-ft Coil	CL	1
665X3W1000	PEX Tube ¾" White 1000-ft Coil	CL	1
1000-ft Coils, O₂ Barrier			
665X2H1000	Barrier PEX Tube ½" Orange 1000-ft Coil	CL	1
665X9H1000	Barrier PEX Tube ¾" Orange 1000-ft Coil	CL	1

▶▶ Fitting/Tube Compatibility

	FITTING TYPE	PEX-B	PEX-A
	F1807	■	■
	F2159	■	■
	F1960	■	■
	F2080	■	■

www.siouxchief.com

Sioux Chief Manufacturing Company, Inc.
14940 Thunderbird Road
Kansas City, Missouri 64147

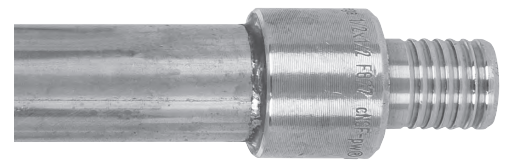
P: 1.800.821.3944 | F: 1.800.758.5950



VIEGA® PEX PRESS FITTINGS

All Sioux Chief Viega® PEX fittings are manufactured with Viega PureFlow PEX Press® fittings. A Viega PEX Press Sleeve tool must be used to connect PEX tubing to a Viega PEX Press fitting. Sioux Chief Viega PureFlow PEX Press fittings are made in the United States.

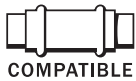
Viega PureFlow® PEX Press Fittings are a registered trademark of Viega LLC.



SUPPLY
DRAINAGE
SUPPORT
APPENDIX



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.



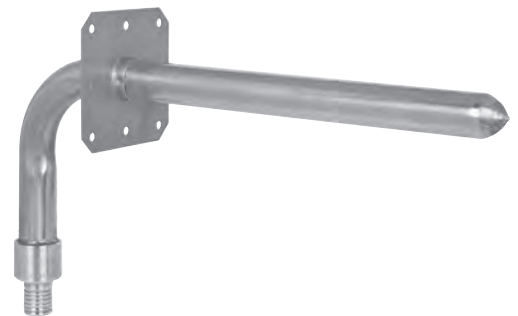
Important Notes About Sioux Chief Male Sweat Fitting

All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

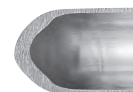
Viega® PEX Press® Stub Out Elbow

Square O Strap

- Accepts sweat and compression valves
- Combines easy adaptation of copper stub outs with easy installation of PEX Press system
- Models with Square O Straps affix easily to our Edge bracket or any backing board to provide solid installations

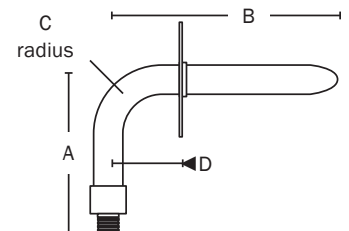


630V248E



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.

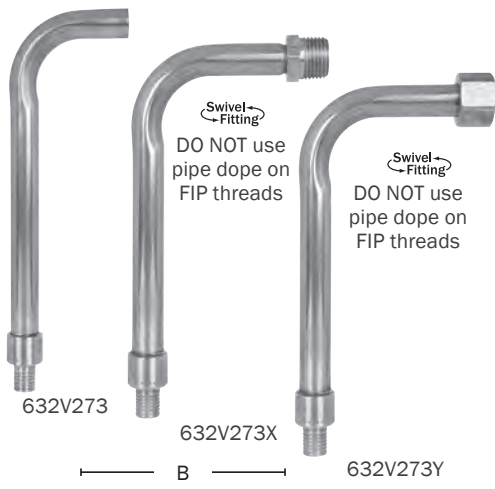


Item No	Connection	CTS	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
630V248E	½" PEX Press	½"	4"	8"	1¼"	1¾"	B	25	25

SUPPLY

DRAINAGE

SUPPORT



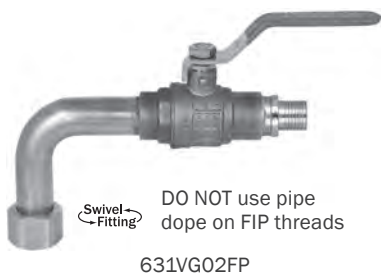
Viega® PEX Press® Tub/Shower Pressure Connector

- Perfect for sweat connection to standard tub/shower valves
- MIP and FIP swivel connections mean no torch at the tub/shower valve
- Made from Type L copper tube
- Elongated tailpiece allows for rigid bracket attachment

Related Products
ShowerUp™ Kits p 96

Item No	Connection	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
632V273	½" PEX Press × ½" MSWT	7"	2½"	1¼"	B	50	50
632V273X	½" PEX Press × ½" MIP swivel	7"	3"	1¼"	B	50	50
632V273Y	½" PEX Press × ½" FIP swivel	7"	3"	1¼"	B	50	50

APPENDIX



Viega® PEX Press® NEW Water Heater Connector

FIP Elbow

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Dielectric fitting
- Lead-free solder joint
- ¾" Type L copper

Item No	Connection	Dimensions		Ball Valve	Pkg	Min Qty	Case Qty
		A	B				
631VG02FP	¾" PEX Press × ¾" FIP swivel	3"	6"	✓	B	12	12

NO LEAD

Viega® PEX Press® NEW Water Heater Connector

FIP Straight

- Full flow – no restriction
- Fitting with 600 WOG full port ball valve available
- No lead fittings come pre-stalled with compression sleeve.
- Made from Type L copper tube

Related Products
Water Heater Connector Kits p 98

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633VG18FP	¾" PEX Press × ¾" FIP	18"	✓	C	10	10

NO LEAD



Viega® PEX Press® Water Heater Connector

FIP Flexible

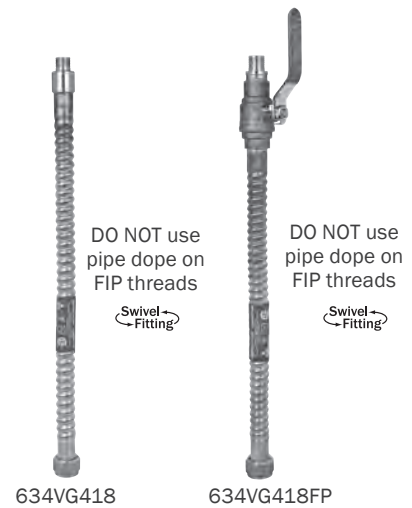
- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Flexible dielectric fitting works well in tight spaces
- Lead-free solder joint

Related Products

Water Heater Connector Kits

p 98

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
634VG418	¾" PEX Press × ¾" FIP swivel	18"		C	25	25
634VG418FP	¾" PEX Press × ¾" FIP swivel	18"	✓	C	25	25



Viega® PEX Press® Straight Adapter

CPVC × Viega® PEX Press®

Item No	Description	Pkg	Min Qty	Case Qty
645VC2	½" PEX Press × ½" CPVC	B	50	50
645VC3	¾" PEX Press × ¾" CPVC	B	50	50
645VC4	1" PEXPress× 1" CPVC	B	20	20



645VC3

Viega® PEX Press® **NEW** No Lead Brass Ball Valve

- Chrome-plated ball, blowout-proof stem



648VG2FP

Item No	Description	Pkg	Min Qty	Case Qty
648VG2FP	½" PEX Press	B	10	10
648VG3FP	¾" PEX Press	B	10	10
648VG4FP	1" PEX Press	B	10	10



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693-01815304

Viega® PEX Press®

NEW ShowerUp™ Kits

Pureflow® PEX Press® Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

Related Products

Build your own kit

p 262

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
693-01815304	no tub spout elbow	—			
	7" × 2¼" MSWT × ½" PEX Press pressure connectors	632V273			
	½" MSWT × spun, 50" × 8" stub out elbow	608-L2508	B*	12	12
	16" Strong Arm, Shower WallNut Lock Block,	525-16WLB			
	Power Bar w/4 screws, 2TD clamp, 4 screws	523-2424			
693-13815301	8" × 7" MSWT tub spout elbow	613-87			
	7" × 2¼" MSWT × ½" PEX Press pressure connectors	632V273			
	½" MSWT × spun, 50" × 8" stub out elbow	608-L2508	B*	12	12
	16" Strong Arm, Shower WallNut Lock Block,	525-16WLB			
	Power Bar w/4 screws, 3TD clamp, 4 screws	523-2434			
693-03824203	6" × 7" MIP swivel tub spout elbow	613-67X			
	7" × 3" MIP swivel × ½" PEX Press pressure connectors	632V273X			
	½" MIP swivel × drop ear 90, 50"	616-650X	B*	12	12
	Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	523-2404			
		523-2434			
693-01824101	no tub spout elbow	—			
	7" × 3" MIP swivel × ½" PEX Press pressure connectors	632V273X			
	½" MIP swivel × drop ear 90, 30"	616-630X	B*	12	12
	16" Strong Arm, Shower WallNut Lock Block,	525-16WLB			
	Power Bar w/4 screws, 3TD clamp, 4 screws	523-2434			
693-01815104	no tub spout elbow	—			
	7" × 2¼" MSWT × ½" PEX Press pressure connectors	632V273			
	½" MSWT × spun, 30" × 8" stub out elbow	608-L2308	B*	12	12
	16" Strong Arm, Shower WallNut Lock Block,	525-16WLB			
	Power Bar w/4 screws, 2TD clamp, 4 screws	523-2434			

Viega® PEX Press®

Stub Out Kits

Pureflow® PEX Press® Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689VG2201

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689VG2201	4" x 8", 1/2" PEX Press stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630VG248 525-1612	B*	12	12
FOR 24" STUD BAYS					
689VG2211	4" x 8", 1/2" PEX Press stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630VG248 525-2412	B*	12	12



Viega® PEX Press®

Lav/Sink Stub Out Kits

Pureflow® PEX Press® Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689VG3202

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689VG3202	Two 4" x 8", 1/2" PEX Press stub out elbows Strong Arm brackets with two, 1/2" Lock Block	630VG248 525-1622	B*	12	12
FOR 24" STUD BAYS					
689VG3212	Two 4" x 8", 1/2" PEX Press stub out elbows Strong Arm brackets with two, 1/2" Lock Block	630VG248 525-2422	B*	12	12





689VG2291

Viega® PEX Press®

NEW Shower Riser Elbow Kits

Pureflow® PEX Press® Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689VG2291	4" x 8", 1/2" Viega PEX Press stub out elbow Strong Arm brackets with one, 1/2" WallNut Lock Block	630VG248 525-16WLB	B*	12	12



Viega® PEX Press®

NEW Water Heater Connector Kits

Pureflow® PEX Press® Connection

- Pre-manufactured assemblies
- Maintains the necessary 18" distance from PEX



DO NOT use pipe dope on FIP threads

Swivel-Fitting

Swivel-Fitting

694VG72032091

Related Products

Build your own kit

p 271

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
694VG72032091	3/4" PEX Press x 3/4" MIP	633VG18			
	3/4" PEX Press x 3/4" FIP swivel	631VG02FP	B*	10	10
	3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-G3TM15			
694VG727823	3/4" PEX Press x 3/4" MIP	633VG18			
	3/4" PEX Press x 3/4" MIP, ball valve	633VG18FP	B*	10.	10
	Two 3/4" MIP x 3/4" MIP dielectric nipples	635-33			
694VG72032391	3/4" PEX Press x 3/4" MIP	633VG18			
	3/4" PEX Press x 3/4" FIP swivel	631VG02FP	B*	10.	10
	Two 3/4" MIP x 3/4" MIP dielectric nipples 3/4" x 3/4" FIP swivel with 3/4" MIP branch	635-33 633-G3TM15			
694VG727820	3/4" PEX Press x 3/4" MIP	633VG18			
	3/4" PEX Press x 3/4" MIP, ball valve	633VG18FP	B*	10.	10
694VG72032093	3/4" PEX Press x 3/4" MIP	633VG18			
	3/4" PEX Press x 3/4" FIP swivel	631VG02FP	B*	10.	10
	3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-G3TM11			



POWER **PEX**[™] **ASTM** **F1960**

RINGS

DIRECTIONALS

COUPLINGS

ADAPTERS/CONNECTORS

PLUGS

PREFORMED COPPER

VALVES

WATER HEATER CONNECTORS

KITS

MANIFOLDS



Federal No Lead Compliance

» Reducing Lead in Drinking Water

Federal legislation known as Federal Public Law 111-380 or the "Reduction of Lead in Drinking Water Act" was signed into law in 2011 and eliminates the sale or installation of plumbing fixtures (drinking water pipes, pipe fittings and plumbing fixtures) with a wetted surface area containing more than a weighted average of 0.25% lead.

National requirements allow for standard leaded brass to be installed up until January 4, 2014. However, these products will be non-compliant and obsolete as of January 4, 2014 for use within potable drinking water plumbing systems.

Products exempted from the no lead law are those used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, radiant heating or any other uses where the water is not intended for human consumption.

Sioux Chief's No Lead and Standard Brass Product Availability and PEX Fitting Options

Sioux Chief no longer builds stock or produces leaded brass for F1807, F1960, F2080 or sweat fittings that fall under the necessary federal mandates. Sioux Chief will not accept returns of these phasing-out standard brass fittings after December 31, 2012.

Sioux Chief will keep a list of fittings that will be transitioning to no lead material at www.siouxchief.com. This list will be kept up-to-date with current stock status of each fitting (obsolete vs. in-stock) as we transition to no lead inventory.

Sioux Chief has made the investment in no lead brass inventory for the majority of our current products. This inventory is currently available in various alloys including no lead compliant and dezincification resistant C69300 material.

F1807 PEX, F1960 PEX and F2080 PEX are offered under the PowerPEX™ brand as fully compliant and listed standard brass (traditional 360 and 377 brass fittings) as well as the above-mentioned no lead and dezincification resistant brass. Sioux Chief's F1807 line of fittings is also offered in copper and remains an economical and perfect solution to no lead and dezincification issues.

All Sioux Chief no lead compliant PEX products, F2159 poly alloy fittings and F1807 copper fittings already meet the above national mandates for Jan. 4, 2014. Sioux Chief's current listed no lead inventory, copper stub outs, copper PEX F1807 fittings and the majority of our preformed copper (PFC) solutions are naturally no lead, are not prone to dezincification and offer natural anti-microbial properties. For those PFC items that are within the scope of federal mandates and which currently contain leaded brass, Sioux Chief will fully transition to compliant product by the Jan 4, 2014 date.

No Lead Compliant Products



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

Important Notes About Sioux Chief Male Sweat Fitting



All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

PowerPEX™ ASTM F1960 Fitting System

»» Engineered for High Quality Returns

Rings
Fittings
Engineered Products
Valves
Manifolds
Accessories

Sioux Chief is proud to offer its PowerPEX™ F1960 line of fittings. It is engineered for quality in design, material and manufacturing.

Engineered Connection. The F1960 system's unique ring and fitting form a positive seal and permanent connection in residential or commercial jobs – from potable plumbing to radiant heating.

- A positive seal helps you to remain profitable by paying for labor once. This allows you to stay on budget and reduce costly callbacks, claims, damage bills and rework.
- The positive seal of the F1960 fitting connection creates a "visibly complete" joint with proper assembly. Seeing the joint complete assures that all connections have been made – avoiding rework, leaks and system failure.

Sioux Chief's PowerPEX™ F1960 line offers a full spectrum of capabilities for 1/2" - 2" plumbing and radiant heat systems including:

No Lead & Standard Brass. Sioux Chief offers F1960 fittings and engineered solutions, in both standard alloys and no lead/dezincification resistant alloys. More information is available at www.siouxchief.com.

Full Flow. The engineered fittings work with PEX-a pipe. The smooth bore of the pipe and fittings coupled with the fitting's larger nominal diameter, allow for greater flow characteristics and water distribution without upsizing the PEX run.

Made in the USA. F1960 fittings, rings and engineered components are made to the highest quality, with domestic materials in domestic facilities. United States production keeps jobs in the U.S. and offers a direct line-of-sight back to production.

Listed & Certified. F1960 fittings are manufactured to national standards and listed to NSF and cUPC.

Minimum Tool Investment. The F1960 system utilizes a single expansion tool for 3/8" - 1", minimizing the tool costs when investing in the system. The assembly is easy to learn, teach and repeat.

Premium Warranty. Sioux Chief's world class, 25 year limited lifetime warranty is rare. Please visit www.siouxchief.com for more information.

Sioux Chief is proud to offer its PowerPEX F1960 fitting system. We believe in it. It is a solid investment that will return for you with quality and service.





649W4

PowerPEX™

NEW F1960 Expansion Ring

- For use with type 'A' PEX SDR9 tubing with ASTM F1960 fittings

SUPPLY

DRAINAGE

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Item No	Description	Pkg	Min Qty	Case Qty
649W2	1/2" F1960	B	50	1000
649W3	3/4" F1960	B	50	500
649W4	1" F1960	B	25	250



642WG2

PowerPEX™

NEW No Lead Brass Elbow

- Full flow – no restriction
- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
642WG2	1/2" F1960 × 1/2" F1960	B	25	25
642WG3	3/4" F1960 × 3/4" F1960	B	25	25
642WG4	1" F1960 × 1" F1960	B	25	25

PowerPEX™

NEW Brass Elbow

- Full flow – no restriction
- One-piece standard brass



642W2

Item No	Description	Pkg	Min Qty	Case Qty
642W2	1/2" F1960 × 1/2" F1960	B	25	250
642W3	3/4" F1960 × 3/4" F1960	B	25	125



PowerPEX™

NEW No Lead Brass Tee

- Full flow – no restriction
- One-piece no lead brass



641WG222

Item No	Description	Pkg	Min Qty	Case Qty
641WG222	1/2" F1960 × 1/2" F1960 × 1/2" F1960	B	50	50
641WG223	1/2" F1960 × 1/2" F1960 × 3/4" F1960	B	20	20
641WG322	3/4" F1960 × 1/2" F1960 × 1/2" F1960	B	20	20
641WG323	3/4" F1960 × 1/2" F1960 × 3/4" F1960	B	20	20
641WG332	3/4" F1960 × 3/4" F1960 × 1/2" F1960	B	20	20
641WG333	3/4" F1960 × 3/4" F1960 × 3/4" F1960	B	20	20
641WG334	3/4" F1960 × 3/4" F1960 × 1" F1960	B	20	20
641WG433	1" F1960 × 3/4" F1960 × 3/4" F1960	B	20	20
641WG442	1" F1960 × 1" F1960 × 1/2" F1960	B	20	20
641WG443	1" F1960 × 1" F1960 × 3/4" F1960	B	20	20
641WG444	1" F1960 × 1" F1960 × 1" F1960	B	20	20



SUPPLY

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641W222

PowerPEX™

NEW

Brass Tee

- Full flow – no restriction
- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
641W222	1/2" F1960 × 1/2" F1960 × 1/2" F1960	B	50	500
641W332	3/4" F1960 × 3/4" F1960 × 1/2" F1960	B	20	200
641W333	3/4" F1960 × 3/4" F1960 × 3/4" F1960	B	20	200

NSF



645WG3

PowerPEX™

NEW

No Lead Brass Coupling

- One-piece no lead brass

Item No	Description	Pkg	Min Qty	Case Qty
645WG2	1/2" F1960 × 1/2" F1960	B	100	100
645WG3	3/4" F1960 × 3/4" F1960	B	50	50
645WG32	3/4" F1960 × 1/2" F1960	B	50	50
645WG4	1" F1960 × 1" F1960	B	25	25
645WG43	1" F1960 × 3/4" F1960	B	25	25

NSF

NO LEAD

PowerPEX™

NEW Brass Plug

- One-piece standard brass



640W02

Item No	Description	Pkg	Min Qty	Case Qty
640W02	1/2" F1960	B	100	1000
640W03	3/4" F1960	B	100	100



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PowerPEX™

NEW No Lead Brass Straight Adapter

Male Sweat × PEX

- Full flow – no restriction
- One-piece no lead brass



643WG2

Item No	Description	Pkg	Min Qty	Case Qty
643WG2	1/2" F1960 × 1/2" MSWT	B	100	100
643WG3	3/4" F1960 × 3/4" MSWT	B	50	50
643WG23	3/4" F1960 × 1/2" MSWT	B	50	50
643WG32	1/2" F1960 × 3/4" MSWT	B	50	50
643WG4	1" F1960 × 1" MSWT	B	25	25
643WG43	3/4" F1960 × 1" MSWT	B	25	25
643WG5	1 1/4" F1960 × 1 1/4" MSWT	B	5	5
643WG6	1 1/2" F1960 × 1 1/2" MSWT	B	5	5
643WG7	2" F1960 × 2" MSWT	B	5	5



PowerPEX™

NEW Brass Straight Adapter

Male Sweat × PEX

- Full flow – no restriction
- One-piece standard brass



643W2

Item No	Description	Pkg	Min Qty	Case Qty
643W2	1/2" F1960 × 1/2" MSWT	B	100	1000
643W3	3/4" F1960 × 3/4" MSWT	B	50	50
643W4	1" F1960 × 1" MSWT	B	25	25



SUPPLY

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644WG2

PowerPEX™

NEW No Lead Brass Straight Adapter

Female Sweat × PEX

- Full flow – no restriction
- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
644WG2	½" F1960 × ½" FSWT	B	100	100
644WG23	¾" F1960 × ½" FSWT	B	50	50
644WG3	¾" F1960 × ¾" FSWT	B	50	50
644WG32	½" F1960 × ¾" FSWT	B	50	50
644WG4	1" F1960 × 1" FSWT	B	25	25
644WG43	¾" F1960 × 1" FSWT	B	25	25
644WG5	1¼" F1960 × 1¼" FSWT	B	5	5
644WG6	1½" F1960 × 1½" FSWT	B	5	5
644WG7	2" F1960 × 2" FSWT	B	5	5



644W2

PowerPEX™

NEW Brass Straight Adapter

Female Sweat × PEX

- Full flow – no restriction
- One-piece standard brass



Item No	Description	Pkg	Min Qty	Case Qty
644W2	½" F1960 × ½" FSWT	B	100	100
644W3	¾" F1960 × ¾" FSWT	B	50	50
644W4	1" F1960 × 1" FSWT	B	25	25



646WG2

PowerPEX™

NEW No Lead Brass Straight Adapter

MIP × PEX

- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
646WG2	½" F1960 × ½" MIP	B	100	100
646WG3	¾" F1960 × ¾" MIP	B	25	25
646WG32	½" F1960 × ¾" MIP	B	25	25
646WG34	1" F1960 × ¾" MIP	B	25	25
646WG4	1" F1960 × 1" MIP	B	25	25
646WG43	¾" F1960 × 1" MIP	B	25	25
646WG5	1¼" F1960 × 1¼" MIP	B	5	5
646WG6	1½" F1960 × 1½" MIP	B	5	5
646WG7	2" F1960 × 2" MIP	B	5	5

PowerPEX™

NEW Brass Straight Adapter

MIP × PEX

- One-piece standard brass



646W2

Item No	Description	Pkg	Min Qty	Case Qty
646W2	½" F1960 × ½" MIP	B	100	100
646W3	¾" F1960 × ¾" MIP	B	25	250
646W4	1" F1960 × 1" MIP	B	25	25



PowerPEX™

NEW No Lead Brass Straight Adapter

FIP × PEX

- One-piece no lead brass



647WG2

Item No	Description	Pkg	Min Qty	Case Qty
647WG2	½" F1960 × ½" FIP	B	50	50
647WG23	¾" F1960 × ½" FIP	B	50	50
647WG3	¾" F1960 × ¾" FIP	B	50	50
647WG32	½" F1960 × ¾" FIP	B	25	25
647WG4	1" F1960 × 1" FIP	B	25	25
647WG43	¾" F1960 × 1" FIP	B	25	25
647WG5	1¼" F1960 × 1¼" FIP	B	5	5
647WG6	1½" F1960 × 1½" FIP	B	5	5
647WG7	2" F1960 × 2" FIP	B	5	5



PowerPEX™

NEW Brass Straight Adapter

FIP × PEX

- One-piece standard brass



647W2

Item No	Description	Pkg	Min Qty	Case Qty
647W2	½" F1960 × ½" FIP	B	50	250
647W3	¾" F1960 × ¾" FIP	B	50	50





647W2E

PowerPEX™
Tub/Shower Elbow

- Lead-free solder joint
- For use on shower risers, tub spouts and non-pressure fitting applications

Item No	Description	Pkg	Min Qty	Case Qty
647W2E	½" F1960 × ½" FIP drop-ear 90	B	50	50



632WG222M

PowerPEX™
NEW No Lead Brass Elbow Adapter
MIP × PEX

- Full flow – no restriction
- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
632WG222M	½" F1960 × ½" MIP	B	50	50



632WG332

PowerPEX™
NEW No Lead Brass Elbow Adapter
Male Sweat × PEX

- Full flow – no restriction
- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
632WG332	¾" F1960 × ¾" MSWT	B	25	25

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

NEW No Lead Brass Elbow Adapter

Female Sweat × PEX

- Full flow – no restriction
- One-piece no lead brass



632WG335



Item No	Description	Pkg	Min Qty	Case Qty
632WG335	3/4" F1960 × 3/4" FSWT	B	25	25

PowerPEX™

Stub Out Elbow

Standard

- Accepts sweat, push-fitting and compression valves
- Combines easy adapting of copper stub outs with easy installation of F1960 PEX system



630WG248

SUPPLY

DRAINAGE

SUPPORT

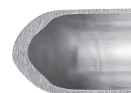
APPENDIX

Related Products

Stub Out Elbow Kits

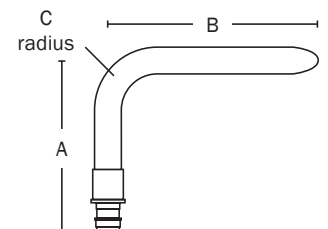
p 117

Item No	Connection	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
630WG2138	1/2" F1960	1/2"	13"	8"	1 1/4"	B	50	50
630WG248	1/2" F1960	1/2"	4"	8"	1 1/4"	B	50	50
630WG348	3/4" F1960	3/4"	6"	8"	1 3/4"	B	25	25
630WG4612	1" F1960	1"	6"	12"	2"	B	25	25
630WG2813	1/2" F1960	1/2"	8"	13"	1 1/4"	B	50	50



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



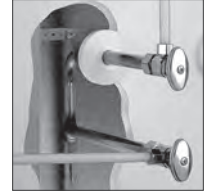


630WGD288E

PowerPEX™ Double Stub Out Elbow

- Brazed stub out joint will not fracture

Perfect for running sink and dishwasher supplies (hot side) or sink and ice maker supplies (cold side) off the same branch line.



SUPPLY

DRAINAGE

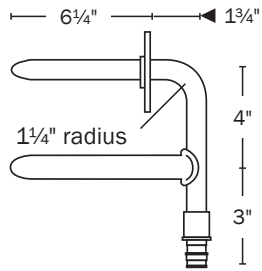
SUPPORT

APPENDIX

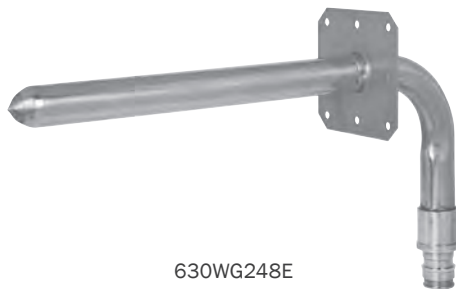


Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



Item No	Connection	CTS	Pkg	Min Qty	Case Qty
630WGD288E	1/2" F1960	1/2"	B	25	25



630WG248E

PowerPEX™ Stub Out Elbow

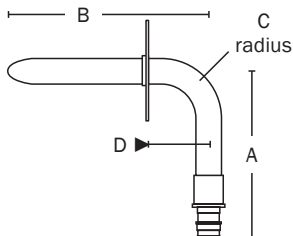
Square O Strap

- Accepts sweat, push-fitting and compression valves
- Combines easy adapting of copper stub outs with easy installation of F1960 PEX system
- Square O Straps affix easily to the Edge bracket or any backing board to provide solid installations
- Multiple mounting holes allow for installations on sides, bottom, or top



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



Item No	Connection	CTS	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
630WG248E	1/2" F1960	1/2"	4"	8"	1 1/4"	1 3/4"	B	25	25
630WG348E	3/4" F1960	3/4"	6"	8"	1 3/4"	1 3/4"	B	25	25
630WG4612E	1" F1960	1"	6"	12"	2"	2"	B	10	10

PowerPEX™

NEW Bullet™

Stub Out

- Type L copper
- Accepts sweat, push-fitting and compression valves



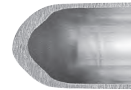
638WG215

SUPPLY

DRAINAGE

SUPPORT

Item No	Connection	CTS	Length	Pkg	Min Qty	Case Qty
638WG208	½" F1960	½"	8"	B	50	50
638WG215	½" F1960	½"	15"	B	50	50



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



APPENDIX

PowerPEX™

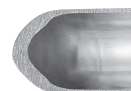
Bullet™

Bracketed Stub Out

- Perfect for stubbing up through floor for closets or lavs
- Square O Strap is crimped to tube 8" from spin closed end
- Type L copper



638WG212E



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.

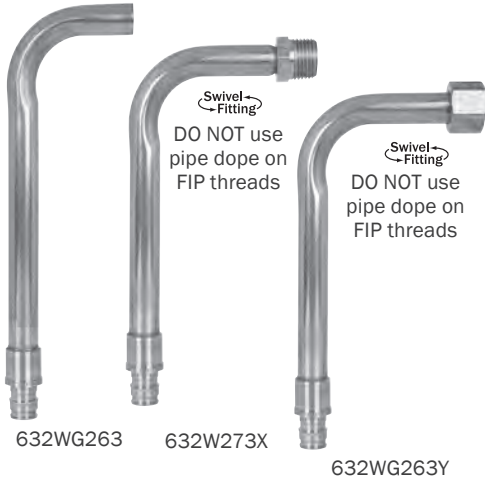


Item No	Connection	CTS	Length	Pkg	Min Qty	Case Qty
638WG212E	½" F1960	½"	12"	B	50	50

SUPPLY

DRAINAGE

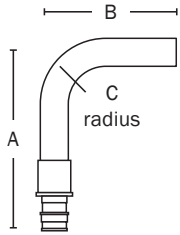
SUPPORT



PowerPEX™ Tub/Shower Pressure Connector

- Perfect for sweat connection to standard tub/shower valves
- MIP and FIP swivel connections mean no torch at the tub/shower valve
- Made from Type L copper tube
- Elongated tailpiece allows for rigid bracket attachment

Related Products
ShowerUp™ Kits p 116



Item No	Connection	Dimensions			NO LEAD	Pkg	Min Qty	Case Qty
		A	B	C				
632W273X	1/2" F1960 × 1/2" MIP swivel	7"	3"	1 1/4"		B	50	50
632WG263	1/2" F1960 × 1/2" MSWT elbow	6"	2 1/4"	1 1/4"	✓	B	50	50
632WG263Y	1/2" F1960 × 1/2" FIP swivel elbow	6"	3"	1 1/4"	✓	B	50	50

APPENDIX



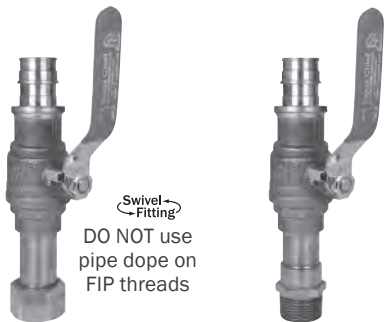
631W02

PowerPEX™ NEW Water Heater Connector Elbow

FIP Elbow Fitting

- Brass FIP swivel nut includes EDPM gasket
- Dielectric fitting

Item No	Connection	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
631W02	3/4" F1960 × 3/4" FIP swivel	1.5"	5"	B	25	25



633W306FP

646W306FP

PowerPEX™ Water Heater Connector

- Full flow – no restriction (FIP, dielectric fitting)
- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Lead-free solder joint, made from Type L copper tube

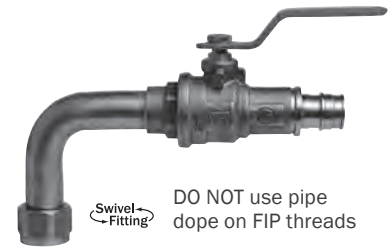
Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633W306FP	3/4" F1960 × 3/4" FIP swivel	6"	✓	B	10	10
646W306FP	3/4" F1960 × 3/4" MIP	6"	✓	B	10	10

PowerPEX™

NEW Water Heater Connector

FIP Elbow

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Dielectric fitting
- Lead-free solder joint
- 3/4" Type L copper



DO NOT use pipe dope on FIP threads

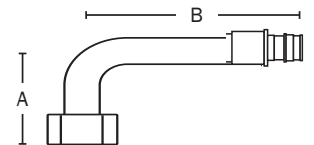
631WG02FP

SUPPLY

DRAINAGE

SUPPORT

Item No	Connection	Dimensions		Ball Valve	Pkg	Min Qty	Case Qty
		A	B				
631WG02FP	3/4" F1960 x 3/4" FIP swivel	3"	7"	✓	B	12	12



APPENDIX

PowerPEX™

NEW Water Heater Connector

FIP Straight

- Full flow – no restriction
- Fitting with 600 WOG full port ball valve available
- Lead-free solder joint
- Made from Type L copper tube



633WG18

633WG18FP

633W18FPT

Related Products

Water Heater Stub Out Kits *p 117*

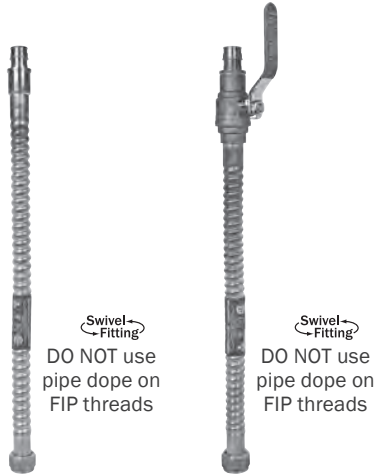
Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633WG18	3/4" F1960 x 3/4" FIP swivel	18"	✓		B	25	25
633WG18FP	3/4" F1960 x 3/4" FIP swivel	18"	✓	✓	B	10	10
NEW 633W18FP	3/4" F1960 x 3/4" FIP swivel	18"	✓		B	10	10
633W18FPT	3/4" F1960 x 3/4" FIP swivel	18"	✓		B	20	20

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



634WG418

634WG418FP

PowerPEX™ Water Heater Connector

FIP Flexible

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Flexible dielectric fitting works well in tight spaces
- Lead-free solder joint

Related Products

Water Heater Stub Out Kits

p 117



Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
634WG418	3/4" F1960 × 3/4" FIP swivel	18"		B	25	25
634WG418FP	3/4" F1960 × 3/4" FIP swivel	18"	✓	B	25	25



645WGC2

PowerPEX™ No Lead Brass Straight Adapter Coupling

CPVC × F1960

- A quick and easy transition



Item No	Description	Pkg	Min Qty	Case Qty
645WGC2	1/2" F1960 × 1/2" CPVC	B	50	50
645WGC3	3/4" F1960 × 3/4" CPVC	B	50	50
645WGC4	1" F1960 × 1" CPVC	B	20	20

PowerPEX™

NEW Brass Straight Adapter Coupling

CPVC × F1960

- A quick and easy transition



645WC3

Item No	Description	Pkg	Min Qty	Case Qty
645WC2	1/2" F1960 × 1/2" CPVC	B	50	50
645WC3	3/4" F1960 × 3/4" CPVC	B	50	50
645WC4	1" F1960 × 1" CPVC	B	20	20

PowerPEX™

Straight Adapter

PVC × F1960 PEX Cold Expansion

- Perfect for hooking up PEX underground water services lines to PVC in-house piping systems
- Cold water applications only



645WG4P

Item No	Description	Pkg	NO LEAD	Min Qty	Case Qty
645WG3P	3/4" F1960 × 3/4" PVC	B	✓	50	50
645WG4P	1" F1960 × 1" PVC	B	✓	20	20

PowerPEX™

Brass Ball Valve

- Chrome-plated ball, blowout-proof stem



648WG2FP

Item No	Description	Pkg	Min Qty	Case Qty
648WG2FP	1/2" F1960	B	10	10
648WG3FP	3/4" F1960	B	10	10
648WG4FP	1" F1960	B	10	1



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

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SUPPORT

APPENDIX



693-13755301

PowerPEX™

NEW

ShowerUp™ Kits

F1960 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

Related Products

Build your own kit

p 262

Item No	Components	Bulk Item No	NO LEAD	Pkg	Min Qty	Case Qty
693-13755301	8" × 7" MSWT tub spout elbow 6" × 2¼" MSWT × ½" PEX F1960 pressure connectors ½" MSWT × spun, 50" × 8" stub out elbow 16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	613-87 632WG263 608-L2508 525-16WLB 523-2434	✓	B*	12	12
693-03724203	6" × 7" MIP swivel tub spout elbow 7" × 3" MIP swivel × PEX F1960 pressure connectors ½" MIP swivel × drop-ear 90, 50" Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-67X 632W273X 616-650X 523-2404 523-2434		B*	12	12
693-017241013	no tub spout elbow 7" × 3" MIP swivel × PEX F1960 pressure connectors ½" MIP swivel × drop-ear 90, 30" Power Bar w/6 screws, 3TD clamp, 4 screws	— 632W273X 616-630X 525-16WLB 523-2434		B*	12	12
693-01755104	no tub spout elbow 6" × 2¼" MSWT × ½" PEX F1960 pressure connectors ½" MSWT × spun, 30" × 8" stub out elbow 16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 2TD clamp, 4 screws	— 632WG263 608-L2308 525-16WLB 523-2424	✓	B*	12	12
693-16713203	10" × 7" MSWT tub spout elbow 6" × 2¼" MSWT × ½" PEX F1960 pressure connectors ½" MSWT × drop-ear 90, 50" Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-87 632WG263 616-650 523-2404 523-2434	✓	B*	12	12

PowerPEX™

Stub Out Kits

F1960 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689WG2201

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689WG2201	4" x 8", 1/2" F1960 stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630WG248 525-1612	B*	12	12
FOR 24" STUD BAYS					
689WG2211	4" x 8", 1/2" F1960 stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630WG248 525-2412	B*	12	12

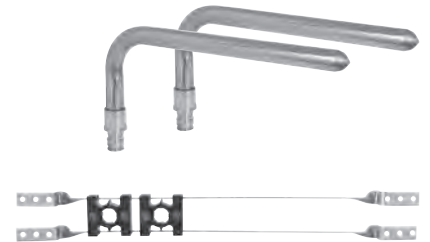


PowerPEX™

Lav/Sink Stub Out Kits

F1960 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689WG3202

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689WG3202	Two 4" x 8", 1/2" F1960 stub out elbows Strong Arm brackets with two, 1/2" Lock Blocks	630WG248 525-1622	B*	12	12
FOR 24" STUD BAYS					
689WG3212	Two 4" x 8", 1/2" F1960 stub out elbows Strong Arm brackets with two, 1/2" Lock Blocks	630WG248 525-2422	B*	12	12



PowerPEX™

Water Heater Stub Out Kits

F1960 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689WG5103

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689WG5103	Two 4" x 8", 3/4" F1960 stub out elbows Strong Arm brackets with two, 3/4" Lock Block	630WG348 525-1623	B*	12	12
FOR 24" STUD BAYS					
689WG5113	Two 4" x 8", 3/4" F1960 stub out elbows Strong Arm brackets with two, 3/4" Lock Block	630WG348 525-2423	B*	12	12

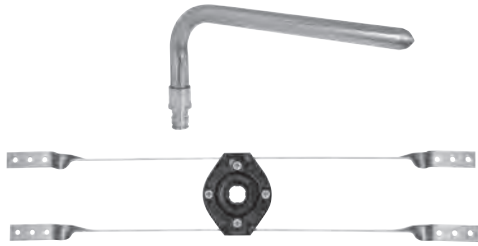


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



689WG2291

PowerPEX™

Shower Riser Elbow Kits

F1960 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689WG2291	3½" × 8", ½" F1960 stub out elbow Strong Arm brackets with one ½" Shower WallNut Lock Block	630WG248 525-16WLB	B*	12	12



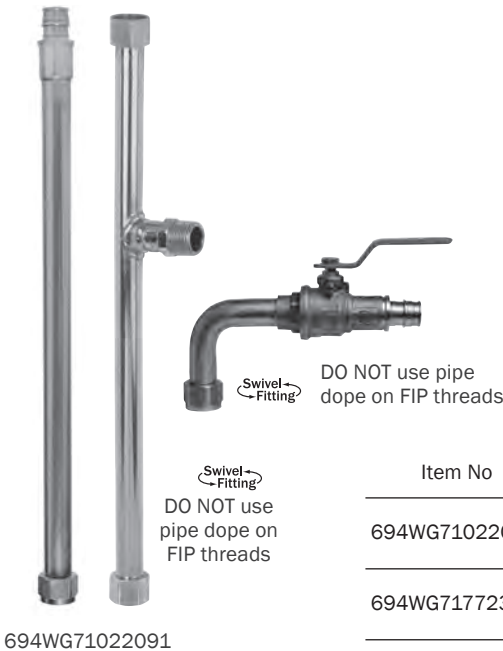
PowerPEX™



Water Heater Connector Kits

F1960 PEX Connection

- Pre-manufactured assemblies
- Maintains the necessary 18" distance from PEX



694WG71022091

Related Products
Build your own kit p 271

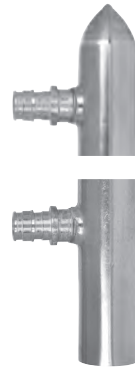
Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
694WG71022091	¾" F1960 PEX × ¾" FIP swivel ¾" F1960 × ¾" FIP swivel elbow ¾" × ¾" FIP swivel with ¾" MIP branch	633WG18 631WG02FP 633-G3TM15	B*	10.	10
694WG717723	¾" F1960 PEX × ¾" FIP swivel ¾" F1960 × ¾" FIP swivel Two ¾" MIP × ¾" MIP dielectric nipples	633WG18 633WG18FP 635-33	B*	10.	10
694WG71022391	¾" F1960 PEX × ¾" FIP swivel ¾" F1960 × ¾" FIP swivel elbow Two ¾" MIP × ¾" MIP dielectric nipples ¾" × ¾" FIP swivel with ¾" MIP branch	633WG18 631WG02FP 635-33 633-G3TM15	B*	10.	10
694WG717720	¾" F1960 PEX × ¾" FIP swivel ¾" F1960 × ¾" FIP swivel	633WG18 633WG18FP	B*	10.	10
694WG71022093	¾" F1960 PEX × ¾" FIP swivel ¾" F1960 × ¾" FIP swivel elbow ¾" × ¾" FIP swivel with ¾" MIP branch	633WG18 631WG02FP 633-G3TM11	B*	10.	10



PowerPEX™

1/2" F1960 PEX Branches
1" Male Sweat × Spin Closed Trunks

- 1" Type L copper trunk
- Branches are 2" on-center



More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672WG0240	2	1/2" F1960	B	1	10
672WG0340	3	1/2" F1960	B	1	10
672WG0440	4	1/2" F1960	B	1	10
672WG0640	6	1/2" F1960	B	1	10
672WG0840	8	1/2" F1960	B	1	10
672WG1040	10	1/2" F1960	B	1	10
672WG1240	12	1/2" F1960	B	1	10

NO LEAD

PowerPEX™

NEW **1/2" F1960 PEX Branches**
3/4" Male Sweat × Spin Closed Trunks

- 1" Type L copper trunk
- Branches are 2" on-center



More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

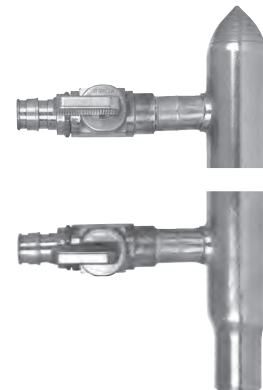
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672WG0430	4	1/2 F1960	B	1	10
672WG0630	6	1/2 F1960	B	1	10
672WG0830	8	1/2 F1960	B	1	10

NO LEAD

PowerPEX™

1/2" F1960 PEX Ball Valve Branches
3/4" Male Sweat × Spin Closed Trunks

- 1" Type L copper trunk
- Branches are 2" on-center



More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

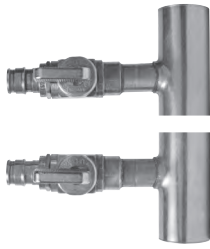
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672WV0230	2	1/2" F1960	B	1	10
672WV0330	3	1/2" F1960	B	1	10
672WV0430	4	1/2" F1960	B	1	10
672WV0630	6	1/2" F1960	B	1	10
672WV0830	8	1/2" F1960	B	1	10
672WV1030	10	1/2" F1960	B	1	10
672WV1230	12	1/2" F1960	B	1	10

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



PowerPEX™

NEW 1/2" F1960 PEX Ball Valve Branches
1" Male Sweat × 1" Male Sweat Trunks

- 1" Type L copper trunk
- Branches are 1 1/2" on-center

More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672WV0344	3	1/2" F1960	B*	1	10
672WV0444	4	1/2" F1960	B*	1	10
672WV0644	6	1/2" F1960	B*	1	10
672WV0844	8	1/2" F1960	B*	1	10
672WV1044	10	1/2" F1960	B*	1	10
672WV1144	11	1/2" F1960	B*	1	10
672WV1244	12	1/2" F1960	B*	1	10
672WV1344	13	1/2" F1960	B*	1	10
672WV1444	14	1/2" F1960	B*	1	10
672WV1644	16	1/2" F1960	B*	1	4



PowerPEX™

NEW 1/2" F1960 PEX Branches
1" CPVC × 1" Spun Closed Trunks

- 1" Type L copper trunk
- Branches are 2" on-center

More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672WG03CO	3	1/2" F1960	B*	10	10
672WG04CO	4	1/2" F1960	B*	10	10
672WG06CO	6	1/2" F1960	B*	10	10
672WG08CO	8	1/2" F1960	B*	10	10



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POWER **PEX**TM **ASTM** **F2080**



SLEEVES

DIRECTIONALS

COUPLINGS

ADAPTERS/CONNECTORS

PLUGS

PREFORMED COPPER

VALVES

WATER HEATER CONNECTORS

KITS

MANIFOLDS

TOOLS

Federal No Lead Compliance

» Reducing Lead in Drinking Water

Federal legislation known as Federal Public Law 111-380 or the "Reduction of Lead in Drinking Water Act" was signed into law in 2011 and eliminates the sale or installation of plumbing fixtures (drinking water pipes, pipe fittings and plumbing fixtures) with a wetted surface area containing more than a weighted average of 0.25% lead.

National requirements allow for standard leaded brass to be installed up until January 4, 2014. However, these products will be non-compliant and obsolete as of January 4, 2014 for use within potable drinking water plumbing systems.

Products exempted from the no lead law are those used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, radiant heating or any other uses where the water is not intended for human consumption.

Sioux Chief's No Lead and Standard Brass Product Availability and PEX Fitting Options

Sioux Chief no longer builds stock or produces leaded brass for F1807, F1960, F2080 or sweat fittings that fall under the necessary federal mandates. Sioux Chief will not accept returns of these phasing-out standard brass fittings after December 31, 2012.

Sioux Chief will keep a list of fittings that will be transitioning to no lead material at www.siouxchief.com. This list will be kept up-to-date with current stock status of each fitting (obsolete vs. in-stock) as we transition to no lead inventory.

Sioux Chief has made the investment in no lead brass inventory for the majority of our current products. This inventory is currently available in various alloys including no lead compliant and dezincification resistant C69300 material.

F1807 PEX, F1960 PEX and F2080 PEX are offered under the PowerPEX™ brand as fully compliant and listed standard brass (traditional 360 and 377 brass fittings) as well as the above-mentioned no lead and dezincification resistant brass. Sioux Chief's F1807 line of fittings is also offered in copper and remains an economical and perfect solution to no lead and dezincification issues.

All Sioux Chief no lead compliant PEX products, F2159 poly alloy fittings and F1807 copper fittings already meet the above national mandates for Jan. 4, 2014. Sioux Chief's current listed no lead inventory, copper stub outs, copper PEX F1807 fittings and the majority of our preformed copper (PFC) solutions are naturally no lead, are not prone to dezincification and offer natural anti-microbial properties. For those PFC items that are within the scope of federal mandates and which currently contain leaded brass, Sioux Chief will fully transition to compliant product by the Jan 4, 2014 date.

No Lead Compliant Products



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

Important Notes About Sioux Chief Male Sweat Fitting



All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

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PowerPEX™ ASTM F2080 Fitting System

»» Engineered for Premium Returns

Sleeves
Fittings
Engineered Products
Valves
Manifolds
Tools
Accessories

Sioux Chief is proud to offer its PowerPEX™ F2080 line of fittings. It is engineered to be premium quality in design, material and manufacturing.

Leak-Proof Connection. The F2080 system's unique sleeve and fitting combination creates unparalleled compression, forming a positive seal and a permanent connection.

- No leaks mean no wasted labor, helping you to pay for labor once and stay on budget.
- No leaks mean no claims and no damage bills, helping you to protect profits from claim risks.
- The unique F2080 connection creates a “can't miss” connection. F2080 can be visually inspected, unlike crimp or other cold expansion system connections that can be misaligned, misassembled or not crimped at all.
- The unique F2080 PEX fittings are designed with more sealing surface and more sealing barbs than all other common PEX systems; more seal is a better seal.

In addition to leak-proof connections, Sioux Chief's PowerPEX F2080 line of fittings offers a full spectrum of capabilities.

Cold Weather Capable. PowerPEX F2080 fittings install easily in cold weather and can be tested immediately.

Commercially Viable. The large diameters and stout design of these PEX fittings make them an excellent alternative for copper or other commercial fittings, even for industrial and commercial applications.

Maximized Water Flow. PowerPEX F2080 fittings and pipe enjoy the best hydraulic properties of any PEX fitting type. F2080 fittings have a 10% larger waterway than the leading PEX type.

Complete Offering. From directionals to stub outs to manifolds, Sioux Chief supplies a wide range of listed and certified fittings to meet your needs and save you money.

Made in the USA. Fittings, sleeves and engineered components are domestically manufactured from domestic material, offering the highest quality available with a direct line-of-sight back to production.

Premium Warranty. Sioux Chief's world class, 25 year limited lifetime warranty is rare. It not only covers all products in its F2080 fitting system, it covers them if they are used in combination with other companies' pipe or fittings. Please visit www.siouxchief.com for more information.

Sioux Chief is proud to offer its PowerPEX F2080 fitting system. We believe in it. F2080 is a solid investment that will return for you with quality and service.





649A260077

PowerPEX™

NEW F2080 Expansion Sleeve

• For use with PEX SDR9 tubing

Item No	Description	Pkg	Min Qty	Case Qty
649A243507	3/8" F2080	B	150	900
649A260077	1/2" F2080	B	150	150
649A260077C	1/2" F2080, Chrome	B	20	100
649A260577	3/4" F2080	B	80	80
649A260877	1" F2080	B	40	40
649A235507	1 1/4" F2080	B	25	25
649A235707	1 1/2" F2080	B	20	120
649A235907	2" F2080	B	5	5



642AG2

PowerPEX™

NEW No Lead Brass Elbow

- Full flow – no restriction
- One-piece no lead brass



Item No	Description	Pkg	Min Qty	Case Qty
642AG2	1/2" F2080 × 1/2" F2080	B	40	240
642AG3	3/4" F2080 × 3/4" F2080	B	25	150
642AG4	1" F2080 × 1" F2080	B	10	60
642AG5	1 1/4" F2080 × 1 1/4" F2080	B	8	48
642AG6	1 1/2" F2080 × 1 1/2" F2080	B	2	12
642AG7	2" F2080 × 2" F2080	B	2	12



642A260657

PowerPEX™

NEW Brass Elbow

- Full flow – no restriction
- One-piece standard brass



Item No	Description	Pkg	Min Qty	Case Qty
642A260657	1/2" F2080 × 1/2" F2080	B	40	240
642A260677	3/4" F2080 × 3/4" F2080	B	25	150
642A260717	1" F2080 × 1" F2080	B	10	60
642A235597	1 1/4" F2080 × 1 1/4" F2080	B	8	48
642A235797	1 1/2" F2080 × 1 1/2" F2080	B	2	12
642A235997	2" F2080 × 2" F2080	B	2	12

PowerPEX™

NEW No Lead Brass Tee

- Full flow – no restriction
- One-piece no lead brass



641AG222



641AG323



641AG332

Item No	Description	Pkg	Min Qty	Case Qty
641AG222	1/2" F2080 x 1/2" F2080 x 1/2" F2080	B	25	150
641AG223	1/2" F2080 x 1/2" F2080 x 3/4" F2080	B	20	120
641AG322	3/4" F2080 x 1/2" F2080 x 1/2" F2080	B	20	120
641AG323	3/4" F2080 x 1/2" F2080 x 3/4" F2080	B	15	90
641AG333	3/4" F2080 x 3/4" F2080 x 3/4" F2080	B	15	90
641AG332	3/4" F2080 x 3/4" F2080 x 1/2" F2080	B	20	120
641AG334	3/4" F2080 x 3/4" F2080 x 1" F2080	B	10	60
641AG433	1" F2080 x 3/4" F2080 x 3/4" F2080	B	10	60
641AG442	1" F2080 x 1" F2080 x 1/2" F2080	B	10	60
641AG443	1" F2080 x 1" F2080 x 3/4" F2080	B	10	60
641AG444	1" F2080 x 1" F2080 x 1" F2080	B	8	48
641AG544	1 1/4" F2080 x 1" F2080 x 1" F2080	B	5	30
641AG553	1 1/4" F2080 x 1 1/4" F2080 x 3/4" F2080	B	5	30
641AG554	1 1/4" F2080 x 1 1/4" F2080 x 1" F2080	B	5	30
641AG555	1 1/4" F2080 x 1 1/4" F2080 x 1 1/4" F2080	B	5	30
641AG664	1 1/2" F2080 x 1 1/2" F2080 x 1" F2080	B	2	12
641AG666	1 1/2" F2080 x 1 1/2" F2080 x 1 1/2" F2080	B	2	12
641AG774	2" F2080 x 2" F2080 x 1" F2080	B	1	6
641AG777	2" F2080 x 2" F2080 x 2" F2080	B	1	6



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PowerPEX™

NEW Brass Tee

- Full flow – no restriction
- One-piece standard brass



641A260607



641A260647



641A260627



641A235887

Item No	Description	Pkg	Min Qty	Case Qty
641A260607	1/2" F2080 x 1/2" F2080 x 1/2" F2080	B	25	150
641A260857	1/2" F2080 x 1/2" F2080 x 3/4" F2080	B	20	120
641A260637	3/4" F2080 x 1/2" F2080 x 1/2" F2080	B	20	120
641A260647	3/4" F2080 x 1/2" F2080 x 3/4" F2080	B	15	90
641A260617	3/4" F2080 x 3/4" F2080 x 3/4" F2080	B	15	90
641A260627	3/4" F2080 x 3/4" F2080 x 1/2" F2080	B	20	120
641A260897	3/4" F2080 x 3/4" F2080 x 1" F2080	B	10	60
641A260697	1" F2080 x 3/4" F2080 x 3/4" F2080	B	10	60
641A260687	1" F2080 x 3/4" F2080 x 1" F2080	B	10	60
641A260727	1" F2080 x 1" F2080 x 1/2" F2080	B	10	60
641A260707	1" F2080 x 1" F2080 x 3/4" F2080	B	10	60
641A260977	1" F2080 x 1" F2080 x 1" F2080	B	8	48
641A235677	1 1/4" F2080 x 3/4" F2080 x 1" F2080	B	5	30
641A235657	1 1/4" F2080 x 1" F2080 x 1" F2080	B	5	30
641A235637	1 1/4" F2080 x 1" F2080 x 1 1/4" F2080	B	5	30
641A235627	1 1/4" F2080 x 1 1/4" F2080 x 3/4" F2080	B	5	30
641A235617	1 1/4" F2080 x 1 1/4" F2080 x 1" F2080	B	5	30
641A235607	1 1/4" F2080 x 1 1/4" F2080 x 1 1/4" F2080	B	5	30
641A235887	1 1/2" F2080 x 3/4" F2080 x 1" F2080	B	2	12
641A235847	1 1/2" F2080 x 1" F2080 x 1 1/2" F2080	B	2	12
641A235877	1 1/2" F2080 x 1" F2080 x 1" F2080	B	2	12
641A235867	1 1/2" F2080 x 1 1/4" F2080 x 1" F2080	B	2	12
641A235857	1 1/2" F2080 x 1 1/4" F2080 x 1 1/4" F2080	B	2	12
641A235837	1 1/2" F2080 x 1 1/4" F2080 x 1 1/2" F2080	B	2	12
641A235827	1 1/2" F2080 x 1 1/2" F2080 x 1" F2080	B	2	12
641A235817	1 1/2" F2080 x 1 1/2" F2080 x 1 1/4" F2080	B	2	12
641A235807	1 1/2" F2080 x 1 1/2" F2080 x 1 1/2" F2080	B	2	12
641A236097	2" F2080 x 1 1/4" F2080 x 1 1/4" F2080	B	1	6
641A236057	2" F2080 x 1 1/4" F2080 x 2" F2080	B	1	6
641A236087	2" F2080 x 1 1/2" F2080 x 1" F2080	B	1	6
641A236077	2" F2080 x 1 1/2" F2080 x 1 1/4" F2080	B	1	6
641A236067	2" F2080 x 1 1/2" F2080 x 1 1/2" F2080	B	1	6
641A236047	2" F2080 x 1 1/2" F2080 x 2" F2080	B	1	6
641A236037	2" F2080 x 2" F2080 x 1" F2080	B	1	6
641A236027	2" F2080 x 2" F2080 x 1 1/4" F2080	B	1	6
641A236017	2" F2080 x 2" F2080 x 1 1/2" F2080	B	1	6
641A236007	2" F2080 x 2" F2080 x 2" F2080	B	1	6



PowerPEX™

NEW No Lead Brass Coupling

• One-piece no lead brass

Item No	Description	Pkg	Min Qty	Case Qty
645AG1	3/8" F2080 × 3/8" F2080	B	70	70
645AG2	1/2" F2080 × 1/2" F2080	B	60	60
645AG3	3/4" F2080 × 3/4" F2080	B	35	35
645AG32	3/4" F2080 × 1/2" F2080	B	45	45
645AG4	1" F2080 × 1" F2080	B	20	20
645AG43	1" F2080 × 3/4" F2080	B	25	25
645AG5	1 1/4" F2080 × 1 1/4" F2080	B	5	5
645AG54	1 1/4" F2080 × 1" F2080	B	10	10
645AG6	1 1/2" F2080 × 1 1/2" F2080	B	5	5
645AG64	1 1/2" F2080 × 1" F2080	B	5	5
645AG7	2" F2080 × 2" F2080	B	3	3



645AG32



645AG2



SUPPLY

DRAINAGE

SUPPORT

PowerPEX™

NEW Brass Coupling

• One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
645A243517	3/8" F2080 × 3/8" F2080	B	70	420
645A260227	1/2" F2080 × 1/2" F2080	B	60	60
645A260317	3/4" F2080 × 3/4" F2080	B	35	35
645A260247	3/4" F2080 × 1/2" F2080	B	45	45
645A260427	1" F2080 × 1" F2080	B	20	20
645A260447	1" F2080 × 3/4" F2080	B	25	25
645A235527	1 1/4" F2080 × 1 1/4" F2080	B	5	5
645A235517	1 1/4" F2080 × 1" F2080	B	10	10
645A235727	1 1/2" F2080 × 1 1/2" F2080	B	5	30
645A235737	1 1/2" F2080 × 1" F2080	B	5	30
645A235717	1 1/2" F2080 × 1 1/4" F2080	B	5	30
645A235927	2" F2080 × 2" F2080	B	3	18
645A235947	2" F2080 × 1" F2080	B	3	18
645A235937	2" F2080 × 1 1/4" F2080	B	3	18
645A235917	2" F2080 × 1 1/2" F2080	B	3	18



645A260247



645A260227



APPENDIX

PowerPEX™

NEW No Lead Brass Plug

• One-piece no lead brass

Item No	Description	Pkg	Min Qty	Case Qty
640AG2	1/2" F2080	B	100	100
640AG3	3/4" F2080	B	60	60
640AG4	1" F2080	B	30	30



640AG2





640A260087



PowerPEX™

NEW Brass Plug

- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
640A260087	½" F2080	B	100	600
640A260397	¾" F2080	B	60	360
640A260497	1" F2080	B	30	180
640A235267	1¼" F2080	B	20	120



643AG2



PowerPEX™

NEW No Lead Brass Straight Adapter

Male Sweat (& Female Sweat) × PEX

- Full flow – no restriction
- One-piece no lead brass

Item No	Description	Pkg	Min Qty	Case Qty
MALE SWEAT (& FEMALE SWEAT)				
643AG2	½" F2080 × ½" MSWT (⅜" FSWT)	B	65	65
643AG3	¾" F2080 × ¾" MSWT (½" FSWT)	B	35	35
643AG4	1" F2080 × 1" MSWT (¾" FSWT)	B	25	25
643AG5	1¼" F2080 × 1¼" MSWT (1" FSWT)	B	5	5
643AG6	1½" F2080 × 1½" MSWT (1¼" FSWT)	B	5	5
643AG7	2" F2080 × 2" MSWT (1½" FSWT)	B	5	5
FEMALE SWEAT (& MALE SWEAT)				
644AG4	1" F2080 × 1" FSWT (1¼" MSWT)	B	20	20
644AG5	1¼" F2080 × 1¼" FSWT (1½" MSWT)	B	5	5
644AG6	1½" F2080 × 1½" FSWT (2" MSWT)	B	5	5
644AG7	2" × F2080 × 2" FSWT (2½" MSWT)	B	3	3



643A260017



PowerPEX™

NEW Brass Straight Adapter

Male Sweat (& Female Sweat) × PEX

- Full flow – no restriction
- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
643A260017	½" F2080 × ½" MSWT (⅜" FSWT)	B	65	65
643A260827	¾" F2080 × ¾" MSWT (½" FSWT)	B	35	35
643A260417	1" F2080 × 1" MSWT (¾" FSWT)	B	25	25
643A260947	1" F2080 × 1¼" MSWT (1" FSWT)	B	20	20
643A235567	1¼" F2080 × 1¼" MSWT (1" FSWT)	B	5	30
643A235577	1¼" F2080 × 1½" MSWT (1¼" FSWT)	B	5	5
643A235767	1½" F2080 × 1½" MSWT (1¼" FSWT)	B	5	30
643A235777	1½" F2080 × 2" MSWT (1½" FSWT)	B	5	5
643A235967	2" F2080 × 2" MSWT (1½" FSWT)	B	5	30
643A235977	2" × F2080 × 2½" MSWT (2" FSWT)	B	3	3

PowerPEX™

NEW No Lead Brass Straight Adapter

Female Sweat × PEX

- Full flow – no restriction
- One-piece no lead brass



644AG2

Item No	Description	Pkg	Min Qty	Case Qty
644AG2	1/2" F2080 × 1/2" FSWT	B	65	65
644AG3	3/4" F2080 × 3/4" FSWT	B	25	25
644AG43	3/4" F2080 × 1" FSWT	B	35	35



SUPPLY

DRAINAGE

PowerPEX™

NEW Brass Straight Adapter

Female Sweat × PEX

- Full flow – no restriction
- One-piece standard brass



644A260047

Item No	Description	Pkg	Min Qty	Case Qty
644A260047	1/2" F2080 × 1/2" FSWT	B	65	65
643A260837	3/4" F2080 × 3/4" FSWT	B	25	25
644A260807	3/4" F2080 × 1" FSWT	B	35	210



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PowerPEX™

NEW No Lead Brass Straight Adapter

MIP (& Female Sweat) × PEX

- One-piece no lead brass



646AG2

Item No	Description	Pkg	Min Qty	Case Qty
646AG21	3/8" F2080 × 1/2" MIP (1/2" FSWT)	B	50	50
646AG2	1/2" F2080 × 1/2" MIP (1/2" FSWT)	B	65	65
646AG3	3/4" F2080 × 3/4" MIP (1/2" FSWT)	B	35	35
646AG34	3/4" F2080 × 1" MIP (3/4" FSWT)	B	20	20
646AG4	1" F2080 × 1" MIP (3/4" FSWT)	B	20	20
646AG5	1 1/4" F2080 × 1 1/4" MIP (1" FSWT)	B	5	5
646AG6	1 1/2" F2080 × 1 1/2" MIP (1 1/4" FSWT)	B	5	5
646AG7	2" F2080 × 2" MIP (1 1/2" FSWT)	B	3	3



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646A260237

PowerPEX™

NEW

Brass Straight Adapter

MIP (& Female Sweat) × PEX

- One-piece standard brass

Item No	Description	Pkg	Min Qty	Case Qty
646A243537	3/8" F2080 × 1/2" MIP (1/2" FSWT)	B	50	50
646A260237	1/2" F2080 × 1/2" MIP (1/2" FSWT)	B	65	65
646A260327	3/4" F2080 × 3/4" MIP (1/2" FSWT)	B	35	35
646A260597	3/4" F2080 × 1" MIP (3/4" FSWT)	B	20	120
646A260437	1" F2080 × 1" MIP (3/4" FSWT)	B	20	20
646A235557	1 1/4" F2080 × 1 1/4" MIP (1" FSWT)	B	5	5
646A235757	1 1/2" F2080 × 1 1/2" MIP (1 1/4" FSWT)	B	5	5
646A235957	2" F2080 × 2" MIP (1 1/2" FSWT)	B	3	3

NSF

PowerPEX™

NEW

No Lead Brass Straight Adapter

FIP × PEX

- One-piece no lead brass



647AG2

NSF

NO LEAD

Item No	Description	Pkg	Min Qty	Case Qty
647AG2	1/2" F2080 × 1/2" FIP	B	35	35
647AG3	3/4" F2080 × 3/4" FIP	B	25	25
647AG4	1" F2080 × 1" FIP	B	10	10

PowerPEX™

NEW

Brass Straight Adapter

FIP × PEX

- One-piece standard brass



647A260287

NSF

Item No	Description	Pkg	Min Qty	Case Qty
647A260287	1/2" F2080 × 1/2" FIP	B	35	35
647A260387	3/4" F2080 × 3/4" FIP	B	25	25
647A260487	1" F2080 × 1" FIP	B	10	10

PowerPEX™

NEW No Lead Drop-Ear Elbow

MIP × PEX

- One-piece no lead brass



646AG2E

Item No	Description	Pkg	Min Qty	Case Qty
646AG2E	1/2" MIP drop-ear × 1/2" F2080	B	25	150



PowerPEX™

NEW Drop-Ear Elbow

MIP × PEX

- One-piece standard brass
- For use on shower risers, tub spouts and non-pressure fitting applications



646A260737

Item No	Description	Pkg	Min Qty	Case Qty
646A260737	1/2" MIP drop-ear × 1/2" F2080	B	25	150



PowerPEX™

NEW No Lead Drop-Ear Elbow

FIP × PEX

- One-piece no lead brass



647AG2E

Item No	Description	Pkg	Min Qty	Case Qty
647AG2E	1/2" FIP drop-ear × 1/2" F2080	B	20	20



PowerPEX™

NEW Drop-Ear Elbow

FIP × PEX

- One-piece standard brass
- For use on shower risers, tub spouts and non-pressure fitting applications



647A260667

Item No	Description	Pkg	Min Qty	Case Qty
647A260667	1/2" FIP drop-ear × 1/2" F2080	B	20	20
647A260777	3/4" FIP drop-ear × 3/4" F2080	B	15	90
647A260787	1" FIP drop-ear × 1" F2080	B	8	48



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646A260747

PowerPEX™

NEW Brass Elbow Adapter

MIP × PEX

- One-piece standard brass
- For use on shower risers, tub spouts and non-pressure fitting applications

SUPPLY

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Item No	Description	Pkg	Min Qty	Case Qty
NSF 646A260747	½" MIP × ½" F2080	B	15	90



632AG222

PowerPEX™

NEW No Lead Brass Elbow Adapter

Male Sweat or Female Sweat × PEX

- Full flow – no restriction
- One-piece no lead brass

Item No	Description	Pkg	Min Qty	Case Qty
632AG222	½" F2080 × ½" MSWT (⅜" FSWT)	B	50	300
632AG225	½" F2080 × ¾" MSWT (½" FSWT)	B	25	150
632AG235	½" F2080 × ¾" FSWT	B	35	35
632AG332	¾" F2080 × ¾" MSWT (½" FSWT)	B	25	150
632AG335	¾" F2080 × 1" MSWT (¾" FSWT)	B	20	120



PowerPEX™

NEW Brass Elbow Adapter

Male Sweat or Female Sweat × PEX

- Full flow – no restriction
- One-piece standard brass



632A260537

Item No	Description	Pkg	Min Qty	Case Qty
632A260537	1/2" F2080 × 1/2" MSWT (3/8" FSWT)	B	50	300
632A260757	1/2" F2080 × 3/4" MSWT (1/2" FSWT)	B	25	150
632A260557	1/2" F2080 × 3/4" FSWT	B	35	35
632A260817	3/4" F2080 × 3/4" MSWT (1/2" FSWT)	B	25	150
632A260767	3/4" F2080 × 1" MSWT (3/4" FSWT)	B	20	120



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

NEW No Lead Brass Faucet Connector

Straight

- Easily connects PEX to faucet thread



Swivel Fitting
DO NOT use pipe dope on FIP threads



637AG20

Item No	Description	Pkg	Min Qty	Case Qty
637AG20	Connect 1/2" F2080 × 1/2" FIP SWVL Straight	B	50	50



SUPPLY



PowerPEX™
NEW Brass Faucet Connector
 Straight

- Easily connects PEX to faucet thread
- NSF listed

DRAINAGE

Item No	Description	Pkg	Min Qty	Case Qty
637A260097	Connect 1/2" F2080 x 1/2" FIP SWVL Straight	B	0	1

SUPPORT



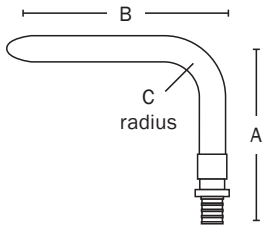
PowerPEX™
 Stub Out Elbow

- Accepts sweat, push-fitting and compression valves
- Combines easy adapting of copper stub outs with easy installation of PEX system
- Type L copper

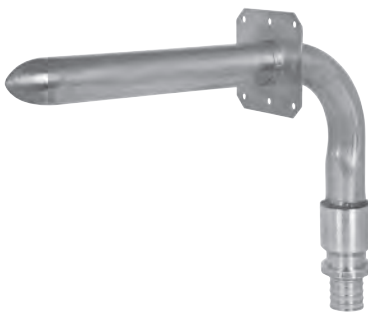
630A261186



APPENDIX



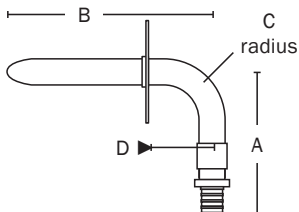
Item No	Connection	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
630A261186	1/2" F2080	1/2"	4"	8"	1 1/4"	B	25	25
630A266687	3/4" F2080	3/4"	6"	8"	1 3/4"	B	5	40



PowerPEX™
 Stub Out Elbow
 Square O Strap

- Accepts sweat, push-fitting and compression valves
- Combines easy adapting of copper stub outs with easy installation of PEX system
- Square O Straps affix easily to the Edge bracket or any backing board to provide solid installations
- Type L copper

630A248E



Item No	Connection	CTS	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
630A248E	1/2" F2080	1/2"	4"	8"	1 1/4"	1 3/4"	B	25	25
630A348E	3/4" F2080	3/4"	6"	8"	1 3/4"	2"	B	25	25

PowerPEX™

Bullet™

Spin Closed Stub Out

- Type L copper
- Accepts sweat, push-fitting and compression valves

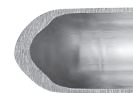


638A266577

SUPPLY

DRAINAGE

SUPPORT



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.

Item No	Connection	CTS	Length	Pkg	Min Qty	Case Qty
638A266577	½" F2080	½"	8"	B	100	100

PowerPEX™

Tub/Shower Pressure Connector

- Perfect for sweat connection to standard tub/shower valves
- MIP and FIP swivel connections mean no torch at tub/shower valve
- Made from Type L copper
- Elongated tailpiece allows for rigid bracket attachment



632A261196



632A263X

APPENDIX

Related Products

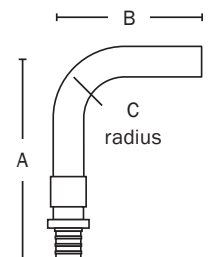
ShowerUp™ Kits

p 140

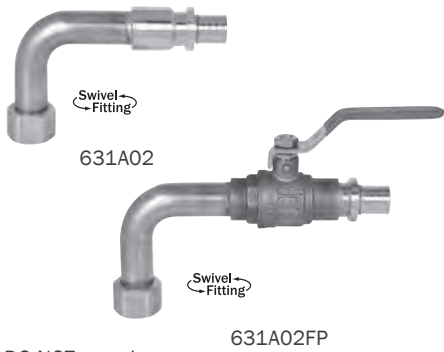
Item No	Connection	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
632A261196	½" F2080 × ½" MSWT	6"	2¾"	1¼"	B	50	50
632A263X	½" F2080 × ½" MIP swivel	6"	3"	1¼"	B	50	50
632A263Y	½" F2080 × ½" FIP swivel	6"	3"	1¼"	B	50	50



632A263Y



SUPPLY



PowerPEX™ Water Heater Connector

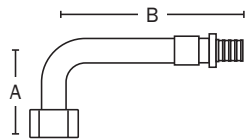
FIP Elbow

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Dielectric fitting
- Lead-free solder joint
- 3/4" Type L copper

DRAINAGE

DO NOT use pipe dope on FIP threads

Related Products
Water Heater Stub Out Kits p 141



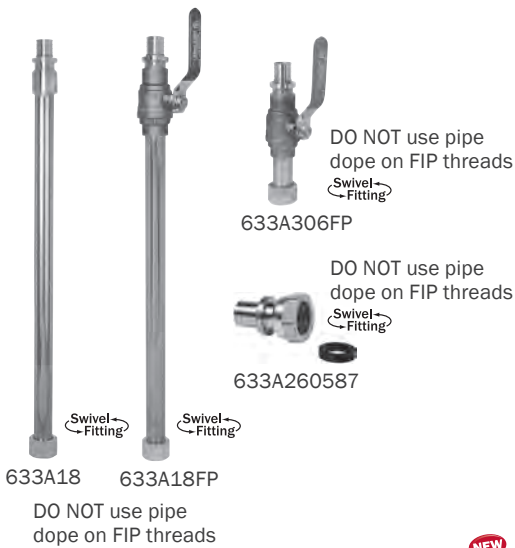
Item No	Connection	Dimensions		Ball Valve	Pkg	Min Qty	Case Qty
		A	B				
631A02FP	3/4" F2080 × 3/4" FIP swivel	3"	6 1/2"	✓	B	25	25

SUPPORT

PowerPEX™ Water Heater Connector

FIP Straight

- Full flow, dielectric fitting – no restriction
- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Lead-free solder joint
- Made from Type L copper



NEW

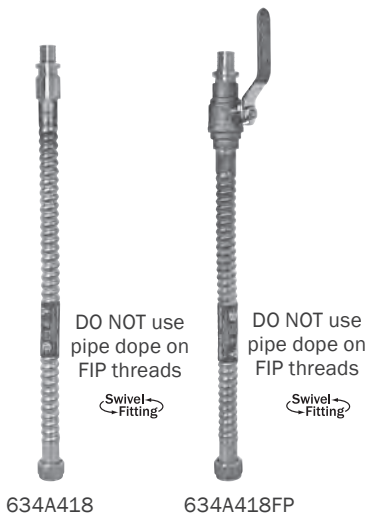
Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633A18	3/4" F2080 × 3/4" FIP swivel	18"		B	25	25
633A18FP	3/4" F2080 × 3/4" FIP swivel	18"	✓	B	25	25
633A260587	3/4" F2080 × 3/4" FIP swivel	2 1/2"		B	30	180

APPENDIX

PowerPEX™ Water Heater Connector

FIP Flexible

- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Flexible dielectric fitting works well in tight spaces
- Lead-free solder joint



Related Products
Water Heater Stub Out Kits p 141

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
634A418FP	3/4" F2080 × 3/4" FIP swivel	18"	✓	B	25	25

PowerPEX™
Water Heater Connector
 MIP Straight

- Full flow – no restriction
- Fitting with 600 WOG full port ball valve available
- Lead-free solder joint
- Made from Type L copper

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
646A306FP	¾" F2080 × ¾" MIP	6"	✓	B	10	10



646A306FP

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™
NEW Brass Straight Adapter Coupling
 CPVC × F2080

- Quickly transition from one pipe type to another

Item No	Description	Pkg	Min Qty	Case Qty
645AC2	½" CPVC × ½" F2080	B	50	50
645AC3	¾" CPVC × ¾" F2080	B	50	50
645AC4	1" CPVC × 1" F2080	B	20	20



645AC2



PowerPEX™
NEW Brass Straight Adapter Coupling
 PVC × F2080

- Quickly transition from one pipe type to another

Item No	Description	Pkg	Min Qty	Case Qty
645A3P	1" PVC × ¾" F2080	B	50	50
645A4P	1" PVC × ¾" F2080	B	20	20



645A3P

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



648A4FP

PowerPEX™
NEW Full Port Ball Valve

PEX × PEX

- Chrome-plated ball, blowout-proof stem

Item No	Description	Pkg	Min Qty	Case Qty
648A4FP	1" F2080	B	10	10



648A261906

PowerPEX™
NEW Ball Valve

PEX × PEX

- Chrome-plated ball, blowout-proof stem
- ANSI/NSF 61

Item No	Description	Pkg	Min Qty	Case Qty
648A261906	1/2" F2080	B	24	24
648A261956	3/4" F2080	B	12	12



PowerPEX™

NEW Ball Valve

Female Sweat × PEX

- Chrome-plated ball, blowout-proof stem
- ANSI/NSF 61



648A261946

SUPPLY

DRAINAGE

SUPPORT

Item No	Description	Pkg	Min Qty	Case Qty
648A261946	1/2" F2080	B	24	24
648A261376	3/4" F2080	B	18	18



PowerPEX™

NEW Fixture Supply Valve

Compression × PEX

- Chrome-plated ball, blowout-proof stem
- ANSI/NSF 61
- Easily connects PEX to fixture



648A261976

APPENDIX

Item No	Description	Pkg	Min Qty	Case Qty
648A261476	1/2" F2080 × 3/8" × 3/8" Double COMP, Angle Chrome	B	12	72
648A261976	1/2" F2080 × 3/8" COMP, Straight Chrome	B	18	18
648A261996	1/2" F2080 × 3/8" COMP, Angle Chrome	B	18	18



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

NEW ShowerUp™ Kits

F2080 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



693-13915301

Related Products
Build your own kit p 262

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
693-13915301	8" x 7" MSWT tub spout elbow 6" x 2¾" MSWT x ½" PEX F2080 pressure connectors ½" MSWT x spun, 50" x 8" stub out elbow 16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	613-87 632A261196 608-L2508 525-16WLB 523-2434	B*	12.	12
693-03924203	6" x 7" MIP swivel tub spout elbow 6" x 3" MIP swivel x ½" PEX F2080 pressure connectors ½" MIP swivel x drop ear 90, 50" Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-67X 632A263X 616-650X 523-2404 523-2434	B*	12.	12
693-01924103	no tub spout elbow 6" x 3" MIP swivel x ½" PEX F2080 pressure connectors ½" MIP swivel x drop ear 90, 30" Power Bar w/6 screws, 3TD clamp, 4 screws	— 632A263X 616-630X 523-2404 523-2434	B*	12.	12
693-01915104	no tub spout elbow 6" x 2¾" MSWT x ½" PEX F2080 pressure connectors ½" MSWT x spun, 30" x 8" stub out elbow 16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 2TD clamp, 4 screws	— 632A261196 608-L2308 525-16WLB 523-2434	B*	12.	12
693-16913203	10" x 7" MSWT tub spout elbow 6" x 2¾" MSWT x ½" PEX F2080 pressure connectors ½" MSWT x drop ear 90, 50" Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-107 632A261196 616-650 523-2404 523-2434	B*	12.	12

PowerPEX™

Stub Out Kits

F2080 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689AG2201

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689AG2201	4" x 8", 1/2" F2080 stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630AG248 525-1612	B*	12	12
FOR 24" STUD BAYS					
689AG2211	4" x 8", 1/2" F2080 stub out elbow Strong Arm brackets with one, 1/2" Lock Block	630AG248 525-2412	B*	12	12

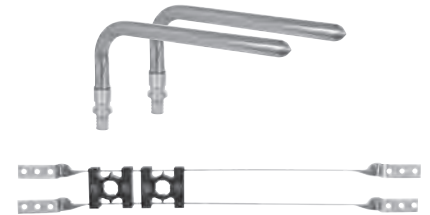


PowerPEX™

Lav/Sink Stub Out Kits

F2080 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689AG3202

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689AG3202	Two 4" x 8", 1/2" F2080 stub out elbows Strong Arm brackets with two, 1/2" Lock Blocks	630AG248 525-1622	B*	12	12
FOR 24" STUD BAYS					
689AG3212	Two 4" x 8", 1/2" F2080 stub out elbows Strong Arm brackets with two, 1/2" Lock Blocks	630AG248 525-2422	B*	12	12



PowerPEX™

Water Heater Stub Out Kits

F2080 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689AG5103

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689AG5103	Two 6" x 8", 3/4" F2080 stub out elbows Strong Arm brackets with two, 3/4" Lock Blocks	630AG368 525-1623	B*	12	12
FOR 24" STUD BAYS					
689AG5113	Two 6" x 8", 3/4" F2080 stub out elbows Strong Arm brackets with two, 3/4" Lock Blocks	630AG368 525-2423	B*	12	12

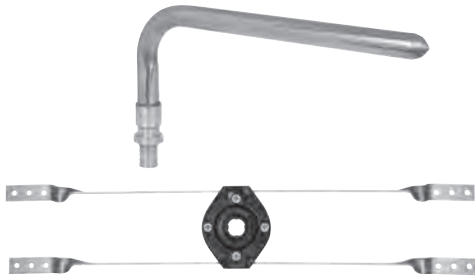


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



689AG2291

PowerPEX™

Shower Riser Elbow Kits

F2080 PEX Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689AG2291	4" x 8", 1/2" F2080 stub out elbow Strong Arm brackets with one 1/2" WallNut Lock Block	630A248 525-16WLB	B*	12	12



PowerPEX™



Water Heater Connector Kits

F2080 PEX Connection

- Pre-manufactured assemblies
- Maintains the necessary 18" distance from PEX



694AG32012091

Related Products

Build your own kit

p 271

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
694AG32012091	3/4" F2080 PEX x 3/4" FIP swivel	633AG18			
	3/4" F2080 PEX x 3/4" FIP swivel elbow, ball valve	631AG02FP	B*	10.	10
	3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-3TM15			
694AG321223	3/4" F2080 PEX x 3/4" FIP swivel	633AG18			
	3/4" F2080 PEX x 3/4" FIP swivel, ball valve	633AG18FP	B*	10.	10
	Two 3/4" MIP x 3/4" MIP dielectric nipples	635-33			
694AG32012391	3/4" F2080 PEX x 3/4" FIP swivel	633AG18			
	3/4" F2080 PEX x 3/4" FIP swivel elbow, ball valve	631AG02FP	B*	10.	10
	Two 3/4" MIP x 3/4" MIP dielectric nipples	635-33			
	3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-3TM15			
694AG321220	3/4" F2080 PEX x 3/4" FIP swivel	633AG18			
	3/4" F2080 PEX x 3/4" FIP swivel, ball valve	633AG18FP	B*	10.	10
694AG32012093	3/4" F2080 PEX x 3/4" FIP swivel	633AG18			
	3/4" F2080 PEX x 3/4" FIP swivel, ball valve	631AG02FP	B*	10.	10
	3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-3TM11			



PowerPEX™

NEW 1/2" F2080 PEX Branches
3/4" F2080 PEX × Spin Closed Trunks

- 1" Type L copper trunk
- Branches are 2" on-center

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A266327	2	1/2" F2080	B*	1	10
672A266337	3	1/2" F2080	B*	1	10
672A266347	4	1/2" F2080	B*	1	10



SUPPLY

DRAINAGE

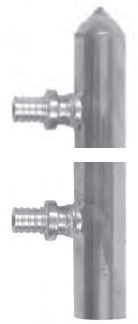
PowerPEX™

NEW 1/2" F2080 PEX Branches
1" Male Sweat × Spin Closed Trunks

- 1" Type L copper trunk
- Branches are 2" on-center

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A234427	2	1/2" F2080	B*	1	10
672A234437	3	1/2" F2080	B*	1	10
672A234447	4	1/2" F2080	B*	1	10
672A234457	5	1/2" F2080	B*	1	10
672A234467	6	1/2" F2080	B*	1	10
672A234487	8	1/2" F2080	B*	1	10
672A234417	12	1/2" F2080	B*	1	5



SUPPORT

APPENDIX

PowerPEX™

NEW F2080 PEX Branches
1 1/4", 1 1/2" & 2" Male Sweat × Spin Closed Trunks

- Branches are 3" on-center

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Trunk Size	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A234607	1 1/4"	12	3/4" F2080	B*	1	5
672A234637	1 1/2"	12	3/4" F2080	B*	1	5
672A234647	1 1/2"	12	1" F2080	B*	1	5
672A234667	2"	12	3/4" F2080	B*	1	5
672A234677	2"	12	1" F2080	B*	1	5



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



PowerPEX™

NEW 1/2" F2080 PEX Branches
1" & 1 1/4" Male Sweat ×
Male Sweat Trunks

- Branches are 3" on-center

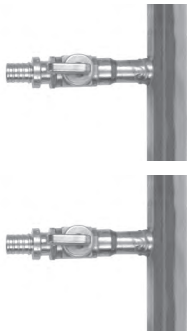
More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Trunk Size	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A266397	1"	12	1/2" F2080	B*	1	5
672A266357	1"	24	1/2" F2080	B*	1	5
672A266367	1 1/4"	24	1/2" F2080	B*	1	1

PowerPEX™

NEW 1/2" F2080 PEX Branches
1" Male Sweat × Male Sweat Trunks

- 1" Type L copper trunk
- Branches are 2" on-center



More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

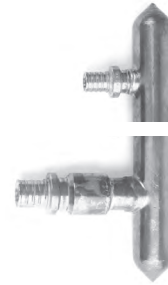
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A234107	12	1/2" F2080	B*	1	4

PowerPEX™

NEW 1/2" F2080 PEX Branches with one 3/4" Branch

1" Spin Closed × Spin Closed Trunks

- Perfect for slab manifold applications
- 1" Type L copper trunk
- Branches are 2" on-center



More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A234527	2	1/2" F2080	B*	1	10
672A234537	3	1/2" F2080	B*	1	10
672A234547	4	1/2" F2080	B*	1	10
672A234557	5	1/2" F2080	B*	1	10
672A234567	6	1/2" F2080	B*	1	10
672A234587	8	1/2" F2080	B*	1	10
672A234517	12	1/2" F2080	B*	1	5

PowerPEX™

1/2" F2080 PEX Branches
1" CPVC × Spin Closed Trunks

- Perfect for hybrid potable water piping systems
- 1" Type L copper trunk
- Branches are 2" on-center



More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A04C0	4	1/2" F2080	B	10	10
672A06C0	6	1/2" F2080	B	10	10
672A08C0	8	1/2" F2080	B	10	10
672A10C0	10	1/2" F2080	B	10	10
672A12C0	12	1/2" F2080	B	10	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



305-A139592-0

NEW **PowerPEX™**
Expander Tool
F2080 PEX Tool

- Expander heads sold separately
- PowerPEX™ Tools by Tomahawk™

Item No	Description	Pkg	Min Qty	Case Qty
305-A139592-0	F2080 Pipe Expander Tool	B	1	1



305-A261866-2

NEW **PowerPEX™**
Expander Head
F2080 PEX Tool

- PowerPEX™ Tools by Tomahawk™

Item No	Description	Pkg	Min Qty	Case Qty
305-A261856-1	3/8"	B	1	1
305-A261866-2	1/2"	B	1	1
305-A261886-3	3/4"	B	1	1
305-A261896-4	1"	B	1	1
305-A235417-5	1 1/4"	B	1	1
305-A235427-6	1 1/2" for H2 Tool	B	1	1
305-A235437-7	2" for H2 Tool	B	1	1



305-A235417-5

NEW **PowerPEX™**
Compression Tool
F2080 PEX Tool

- Compression jaw set sold separately
- PowerPEX™ Tools by Tomahawk™



305-A243737

Item No	Description	Pkg	Min Qty	Case Qty
305-A243737	1/2" - 1 1/4"	B	1	1



305-A243787

NEW **PowerPEX™**
Compression Jaw Set
F2080 PEX Tool

- PowerPEX™ Tools by Tomahawk™

Item No	Description	Pkg	Min Qty	Case Qty
305-A243767	3/8", 1/2", 5/8", 3/4", Jaw (Set), 4-in-1	B	1	1
305-A243787	1" Jaw (Set)	B	1	1
305-A243797	1 1/4" Jaw (Set)	B	1	1
305-A137964	1 1/2" Jaw (Set) for H2 Tool	B	1	1
305-A235497	2" Jaw (Set) for H2 Tool	B	1	1

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PowerPEX™

NEW Combo Tool: Compression & Expansion

F2080 PEX Tool

- Expander heads sold separately
- Use to expand 3/8" – 1" PEX tube
- Use to compress 3/8" – 1/2" PEX tube only
- PowerPEX™ Tools by Tomahawk™



305-A243107

Item No	Description	Pkg	Min Qty	Case Qty
305-A243107	3/8" – 1"	B	1	1

PowerPEX™

NEW Tool Kit – F2080

F2080 PEX Tool Kit

- Standard Kit:
 - One 305-A139592-0, pipe expander tool
 - One 305-A261866-2, 1/2" expander head
 - One 305-A261886-3, 3/4" expander head
 - One 305-A243107, 1/2" & 3/8" compression/expansion tool
 - One 305-A243737, compression tool
 - One 305-A243767, 4-in-1 compression jaw set
 - One 304-12, pipe cutter
 - One tool box
- Basic Kit:
 - One 305-A139592-0, pipe expander tool
 - One 305-A261866-2, 1/2" expander head
 - One 305-A261886-3, 3/4" expander head
 - One 305-A243737, compression tool
 - One 305-A243767, 4-in-1 compression jaw set
 - One 304-12, pipe cutter
 - One tool box
- Deluxe Kit:
 - One 305-A139592-0, pipe expander tool
 - One 305-A261866-2, 1/2" expander head
 - One 305-A261886-3, 3/4" expander head
 - One 305-A243107, 1/2" & 3/8" compression/expansion tool
 - One 305-A243737, compression tool
 - One 305-A243767, 4-in-1 compression jaw set
 - One 304-12, pipe cutter
 - One tool box
 - One 304-11, ratchet pipe cutter
 - One 305-A261896-4, 1" expander head
 - One 305-A243787, 1" compression jaw set

• PowerPEX™ Tools by Tomahawk™



305-A261216
Standard



305-A261246
Basic



305-A261256
Deluxe

Item No	Description	Pkg	Min Qty	Case Qty
305-A261216	F2080 Standard Tool Kit	B	1	1
305-A261246	F2080 Basic Tool Kit	B	1	1
305-A261256	F2080 Deluxe Tool Kit	B	1	1

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



305-A235407

PowerPEX™

NEW H2 Hydraulic Tool and Head for Compression & Expansion – F2080

F2080 PEX Tool Kit

• PowerPEX™ Tools by Tomahawk™

Item No	Description	Pkg	Min Qty	Case Qty
305-A235407	F2080 H2 Hydraulic Tool Kit: 1½" & 2"	B	1	1



280-A266537

PowerPEX™

NEW Stainless Steel PEX Tube Insert

• Inserts reinforce inner PEX tube wall for compression connections

Item No	Description	Pkg	Min Qty	Case Qty
280-A266537	½"	B	10	2500
280-A266607	¾"	B	50	1000
280-A266617	1"	B	50	1000
280-A266627	1¼"	B	25	25
280-A266637	1½"	B	25	25
280-A266647	2"	B	25	25



SPECIALIZED SUPPLY

CPVC

Adapters/Connectors
Preformed Copper
Valves
Water Heater Connectors
Kits
Manifolds

PVC

Adapters/Connectors
Valves

SWEAT

Couplings
Adapters/Connectors
Preformed Copper
Valves
Water Heater Connectors
Manifolds
Add-A-Line™
Wal-Let™
Accessories
Water Service Connectors
Kits

FIT QUICK PUSH FITTINGS

Directionals
Couplings
Adapters/Connectors
Plugs
Preformed Copper
Valves
Tools

F1380 POLYBUTYLENE

Rings
Directionals
Couplings
Adapters/Connectors
Valves



CPVC
Metal Head™ Adapters
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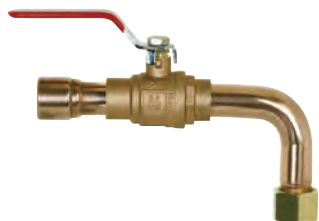
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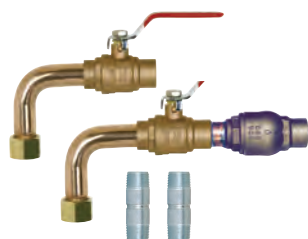
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F1380 Polybutylene (PB)
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CPVC

ADAPTERS/CONNECTORS

PREFORMED COPPER

VALVES

WATER HEATER CONNECTORS

KITS

MANIFOLDS

Federal No Lead Compliance

» Reducing Lead in Drinking Water

Federal legislation known as Federal Public Law 111-380 or the "Reduction of Lead in Drinking Water Act" was signed into law in 2011 and eliminates the sale or installation of plumbing fixtures (drinking water pipes, pipe fittings and plumbing fixtures) with a wetted surface area containing more than a weighted average of 0.25% lead.

National requirements allow for standard leaded brass to be installed up until January 4, 2014. However, these products will be non-compliant and obsolete as of January 4, 2014 for use within potable drinking water plumbing systems.

Products exempted from the no lead law are those used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, radiant heating or any other uses where the water is not intended for human consumption.

Sioux Chief's No Lead and Standard Brass product availability and CPVC fitting options

Sioux Chief no longer builds stock or produces leaded brass for CPVC or sweat fittings that fall under the necessary federal mandates. Sioux Chief will not accept returns of these phasing-out standard brass fittings after December 31, 2012.

Sioux Chief will keep a list of fittings that will be transitioning to no lead material at www.siouxchief.com. This list will be kept up-to-date with current stock status of each fitting (obsolete vs. in-stock) as we transition to no lead inventory.

Sioux Chief has made the investment in no lead brass inventory for the majority of our current products.

For those PFC items that are within the scope of federal mandates and which currently contain leaded brass, Sioux Chief will fully transition to compliant product by the Jan 4, 2014 date.

No Lead Compliant Products



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

Important Notes About Sioux Chief Male Sweat Fitting



All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

SUPPLY

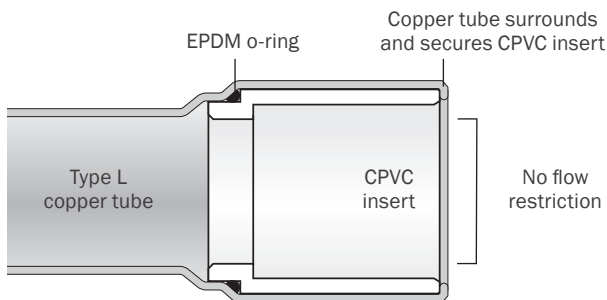
DRAINAGE

SUPPORT

APPENDIX

Sioux Chief Metal Head™ CPVC Fittings

- The most complete line of transition fittings in the industry.
- Sioux Chief CPVC fittings are made in the United States with domestic materials.
- Compatible with FlowGuard Gold® pipe and fittings. FGG/BM/CZ™ System compatible. Standard solvent weld socket connection.
- Makes CPVC to fixture connections faster, easier and more durable than other transition fittings.
- All fittings are 100% production tested to ensure maximum quality and a leak-free connection.
- Hydrostatic pressure tested to over 500 PSI without leaks.
- Thermal cycle tested up to 180°F for 1000 cycles.



Important Notes About Sioux Chief CPVC Fittings



- All Sioux Chief CPVC fittings conform to ASTM D2846 Standard for CPVC piping systems and are designed for use with CTS (copper tube size) CPVC pipe and fittings conforming to ASTM D2846. A select group of our transition fittings have been tested and certified by CSA to the ASTM D2846 Standard and CSA Standard B137.6 and/or listed by UPC.
- Do not cut, alter or modify any Sioux Chief CPVC transition fitting. Doing so voids the manufacturer's warranty. The only exception is for the 630-C series (p 97) where the spin closed end must be cut off.
- Do not expose CPVC transition area of fitting to heat in excess of 180°F. Excessive heat will distort and deform the CPVC insert and damage the internal o-ring seal. Never install a damaged fitting.
- Perform all solder joints on Sioux Chief ½" and ¾" CPVC transition fittings at a minimum distance of 10" along copper tube from the CPVC transition area. For 1" – 2" CPVC transition fittings, temporarily plug CPVC socket with a nipple and cap. Perform all solder joints on Sioux Chief 1" – 2" CPVC transition fittings a minimum distance of 18" along the copper tube. If a heat blocker is used, soldering distance may be reduced to 6" for ½" and ¾" CPVC transition fittings and 15" for 1" CPVC transition fittings.



FGG/BM/CZ® System Compatible indicates this product has been tested and is monitored on an ongoing basis to assure chemical compatibility with FlowGuard Gold®, BlazeMaster®, and Corzan® pipe and fittings. FGG/BM/CZ®, FlowGuard Gold®, BlazeMaster® and Corzan® are registered trademarks of Lubrizol Corporation.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



646-C5



Metal Head™
Copper Adapter
MIP × CPVC

Item No	Connection	Length	Pkg	Min Qty	Case Qty
646-CG4	1" CPVC × 1" MIP	3¾"	B	20	20
646-C5	1¼" CPVC × 1¼" MIP	4½"	B	10	10
646-C6	1½" CPVC × 1½" MIP	5"	B	10	10
646-C7	2" CPVC × 2" MIP	6"	B	10	10



647-C5



Metal Head™
Copper Adapter
FIP × CPVC

Item No	Connection	Length	Pkg	Min Qty	Case Qty
647-CG4	1" CPVC × 1" FIP	3¾"	B	20	20
647-C5	1¼" CPVC × 1¼" FIP	4½"	B	10	10
647-C6	1½" CPVC × 1½" FIP	5¼"	B	10	10
647-C7	2" CPVC × 2" FIP	6"	B	10	10



646-CG2



Metal Head™
NEW No Lead Brass Adapter
MIP × CPVC

Item No	Connection	Length	Pkg	Min Qty	Case Qty
646-CG2	½" CPVC × ½" MIP	1 5/16"	B	50	50
646-CG3	¾" CPVC × ¾" MIP	1 ½"	B	50	50



647-CG2



Metal Head™
NEW No Lead Brass Adapter
FIP × CPVC

Item No	Connection	Length	Pkg	Min Qty	Case Qty
647-CG2	½" CPVC × ½" FIP	1 5/16"	B	50	50
647-CG3	¾" CPVC × ¾" FIP	1 ½"	B	50	50

Short-N-Swivel™

FIP × CPVC Swivel Adapter

- Incredibly versatile and affordable fitting
- One will take the place of up to three expensive union adapters
- Brass swivel nut includes gasket, making it a dielectric fitting
- The 633-C4403 provides a perfect transition from the water meter to 1" CPVC



3/4" Short-N-Swivel™ is perfect for hooking up electric water heaters.



637-C20

DO NOT use pipe dope on FIP threads

Item No	Connection	Length	Pkg	Min Qty	Case Qty
637-C20	1/2" CPVC × 1/2" FIP swivel	2"	B	25	25
637-C20PK2	1/2" CPVC × 1/2" FIP swivel	2"	C*	10	10
633-C02	3/4" CPVC × 3/4" FIP swivel	3"	B	50	50
633-C02PK	3/4" CPVC × 3/4" FIP swivel	3"	C*	10	10
633-C4403	1" CPVC × 1" FIP swivel	3 1/8"	B	20	20



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Mini-Rester™

» See page 226

- May be installed at any angle
- All Mini-Resters are approved for sealed wall installations with no access panel required
- CPVC solvent weld arresters install on 1/2" CPVC tube or fittings in rough-in or retrofit applications
- All Mini-Resters are AA size



CONSIDER SIOUX CHIEF AS YOUR
**ROUGH
 PLUMBING
 ARMORY**
 TOGETHER, WE WILL TAKE THE FIELD.

» SUPPLY > ARRESTERS & PRIMERS > Mini-Rester



616-CG2E3

**NEW Metal Head™
No Lead Tub/Shower Elbow**

Shower-Lock & Drop-Ear Models

- Robust design stands up to job site abuse
- Do not wrench CPVC
- Use pipe thread tape only



Related Products
Shower WallNut™



Item No	Description	Pkg	Min Qty	Case Qty
616-CG2E3	1/2" CPVC x 1/2" FIP drop-ear elbow	B	50	50



616-C2

**Metal Head™
Tub/Shower Elbow**

Shower-Lock & Drop-Ear Models

- Shower-lock models for applications with wallboard or fiberglass shower units
- Internal FIP threads accept shower arms or tub nipples
- For use on shower risers, tub spouts and non-pressure fitting applications



647-C2E3

Related Products
Shower WallNut™



Item No	Description	Pkg	Min Qty	Case Qty
616-C2	1/2" CPVC x 1/2" FIP shower-lock elbow with 2" O.D. lock nuts	B	50	50
616-C2PK	1/2" CPVC x 1/2" FIP shower-lock elbow with 2" O.D. lock nuts	C*	10	10
647-C2E3	1/2" CPVC x 1/2" FIP drop-ear elbow	B	50	50
647-C2E3PK2	1/2" CPVC x 1/2" FIP drop-ear elbow	C*	10	10
647-C3E	3/4" CPVC x 3/4" FIP drop-ear elbow	B	25	25
647-C4E	1" CPVC x 1" FIP drop-ear elbow	B	10	10



Metal Head™

Adapter

Sillcock Adapter

- Perfect for connecting sillcocks to CPVC systems
- Lead-free solder joint



647-C2DW



647-C2D

Item No	Description	Length	Pkg	Min Qty	Case Qty
647-C2D	1/2" CPVC x 1/2" FIP drop-ear	2 1/2"	B	50	50
647-C2DPK2	1/2" CPVC x 1/2" FIP drop-ear, 1/bag	2 1/2"	C*	10	10
647-C2DW	1/2" CPVC x 1/2" FIP wing-ear	2 5/8"	B	50	50
647-C2DWPK2	1/2" CPVC x 1/2" FIP wing-ear, 1/bag	2 5/8"	C*	10	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Wal-Let™

Wall Termination Fitting

- Perfect for connecting sillcocks, shower rain heads, and body spray systems.
- One-piece, forged brass fitting with rigid mounting plate soldered to copper elbow with lead-free solder



615-C215



615-C2113

Item No	Description	Pkg	Min Qty	Case Qty
615-C2113	1/2" CPVC x 1/2" FIP, 11" straight	B	25	25
615-C215	1/2" CPVC x 1/2" FIP, 1 5/8" straight	B	10	10



SUPPLY



645WC2

Metal Head™

Adapter

- F1807 PEX Crimp × CPVC
- F1960 PEX Cold Expansion × CPVC
- PB × CPVC
- Viega® PEX Press® × CPVC
- F2434 Failsafe™ × CPVC
- F2080 × CPVC

- Lead-free solder joint
- Viega® PEX Press® units must use a Viega® Sleeve

DRAINAGE



645XC2

SUPPORT



645-C2G

APPENDIX



645VC3



645XC54

Related Products

- ½" F1807 PEX Branches
- 1" CPVC × Spin Closed Trunk Manifold

p 74



Item No	Connection	Length	NO LEAD	Pkg	Min Qty	Case Qty
F1807 PEX CRIMP						
645XC2	½" CPVC × ½" F1807	1¾"	✓	B	50	50
645XC2PK2	½" CPVC × ½" F1807	1¾"	✓	C*	10	10
645XC23	¾" CPVC × ½" F1807	3½"	✓	B	50	50
645XC3	¾" CPVC × ¾" F1807	2¾"	✓	B	50	50
645XC3PK2	¾" CPVC × ¾" F1807	2¾"	✓	C*	10	10
645XC43	¾" CPVC × 1" F1807	3¾"	✓	B	20	20
645XC34	1" CPVC × ¾" F1807	3¾"	✓	B	20	20
645XC4	1" CPVC × 1" F1807	3¾"	✓	B	20	20
F1960 PEX COLD EXPANSION						
645WC2	½" CPVC × ½" F1960	1¾"		B	50	50
645WC3	¾" CPVC × ¾" F1960	2¾"		B	50	50
645WC4	1" CPVC × 1" F1960	3¾"		B	20	20
NO LEAD F1960 PEX COLD EXPANSION						
645WGC2	½" CPVC × ½" F1960	1 7/16"	✓	B	50	50
645WGC3	¾" CPVC × ¾" F1960	1 13/16"	✓	B	50	50
645WGC4	1" CPVC × 1" F1960	3¾"	✓	B	20	20
PB						
645-C2G	½" CPVC × ½" PB	2⅝"	✓	B	50	50
645-C3G	¾" CPVC × ¾" PB	3¼"	✓	B	50	50
VIEGA PEX PRESS						
645VC2	½" CPVC × ½" PEX Press	2½"		B	50	50
645VC3	¾" CPVC × ¾" PEX Press	3¾"		B	50	50
645VC4	1" CPVC × 1" PEX Press	3⅞"		B	20	20
FAILSAFE						
645XC54	1" CPVC × 1¼" Failsafe	3¾"		B	10	10
645XC5	1¼" CPVC × 1¼" Failsafe	4¼"		B	10	10
F2080 PEX						
645AC2	½" CPVC × ½" F2080	3¾"		B	50	50
645AC3	¾" CPVC × ¾" F2080	4"		B	50	50
645AC4	1" CPVC × 1" F2080	4¾"		B	20	20



Metal Head™ Adapter

Male Sweat × CPVC

- Perfect for connecting sillcocks, laundry boxes, water service connections, etc.
- All fittings are production tested to ensure maximum quality and a leak-free connection

Use Caution When Soldering

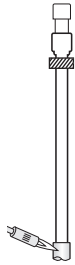
Whenever possible, solder with CPVC socket facing downward. If CPVC joint is above solder joint, plug temporarily with nipple and cap to prevent chimney effect.

Always apply torch to female fitting, not to the adapter.

Perform all solder joints a minimum of:

- 10" from ½" and ¾" CPVC sockets
- 18" from 1" and 1¼" CPVC sockets
- 20" from 1½" CPVC socket
- 22" from 2" CPVC socket

Use a commercial heat blocking agent between solder joint and CPVC joint.



643-C311

CAUTION

Do not cut this fitting. Cutting this fitting voids warranty. Do not allow CPVC portion of fitting to be heated. Do not exceed 180°F. Excessive heat can damage the CPVC insert and internal o-ring.

Item No	Description	Length	Pkg	Min Qty	Case Qty
643-C211	½" CPVC × ½" MSWT	11"	B	100	100
643-C311	¾" CPVC × ¾" MSWT	11"	B	50	50
643-C418	1" CPVC × 1" MSWT	18"	B	25	25
643-C518	1¼" CPVC × 1¼" MSWT	18"	B	10	10
643-C620	1½" CPVC × 1½" MSWT	20"	B	1	10
643-C722	2" CPVC × 2" MSWT	22"	B	1	10



Metal Head™ Adapter

Press-Fitting × CPVC

- Mechanical connection only
- A compact press-fitting connection to transition from copper to CPVC
- Perfect for water service connections
- All fittings are production tested to ensure maximum quality and a leak-free connection



685-C4

CAUTION

Applying heat or cutting this fitting voids warranty. Mechanical connection only.

Item No	Description	Length	Pkg	Min Qty	Case Qty
685-C2	½" CPVC × ½" press-fitting	3⅝"	B	20	20
685-C3	¾" CPVC × ¾" press-fitting	3¼⅙"	B	20	20
685-C4	1" CPVC × 1" press-fitting	3⅝"	B	20	20
685-C5	1¼" CPVC × 1¼" press-fitting	5⅞"	B	10	10
685-C6	1½" CPVC × 1½" press-fitting	5½"	B	5	5
685-C7	2" CPVC × 2" press-fitting	5½"	B	5	5

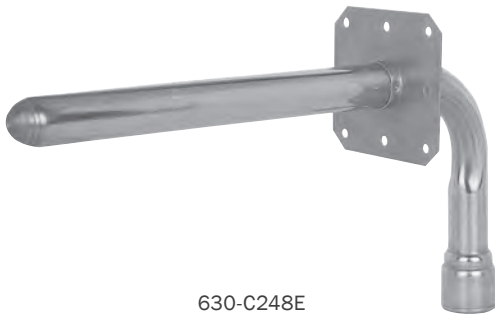


SUPPLY



630-C248

DRAINAGE



630-C248E

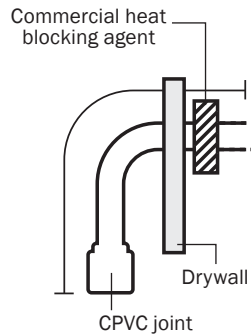
SUPPORT

APPENDIX

Metal Head™ Stub Out Elbow

Standard
Square O Strap

- Accepts sweat, push-fitting and compression stop valves
- Combines the easy installation of CPVC with the strength and versatility of copper
- Type L copper
- Square O Strap is crimped onto tube
- 1¼" radius bend for decreased turbulent flow and noise



Use Caution When Soldering
Keep the following minimum distances between CPVC joints and solder joints:

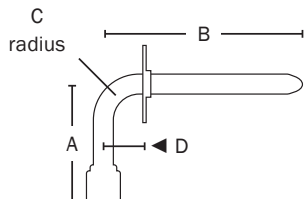
Tube Size	No Heat Blocker	With Heat Blocker
½" CTS	10"	6"
¾" CTS	10"	6"
1" CTS	18"	15"



Stub out elbows combine elbow and cap in one quick, easy stub out fitting.



Leakproof
Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



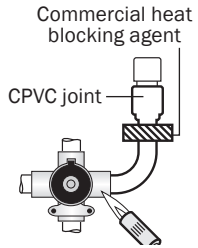
Item No	Connection	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
STANDARD								
630-C248	½" CPVC socket	3½"	8"	1¼"	—	B	50	50
630-C248PK	½" CPVC socket	3½"	8"	1¼"	—	C*	10	10
630-C2412	½" CPVC socket	3½"	12"	1¼"	—	B	50	50
630-C287	½" CPVC socket	8"	7"	1¼"	—	B	50	50
630-C348	¾" CPVC socket	6"	8"	1¾"	—	B	50	50
630-C3612	¾" CPVC socket	6"	12"	1¾"	—	B	25	25
630-C41110	1" CPVC socket	11"	10"	2"	—	B	25	25
WITH SQUARE O STRAP								
630-C248E	½" CPVC socket	3½"	8"	1¼"	1¾"	B	25	25
630-C41110E	1" CPVC socket	11"	10"	2"	2¼"	B	10	10

NO LEAD

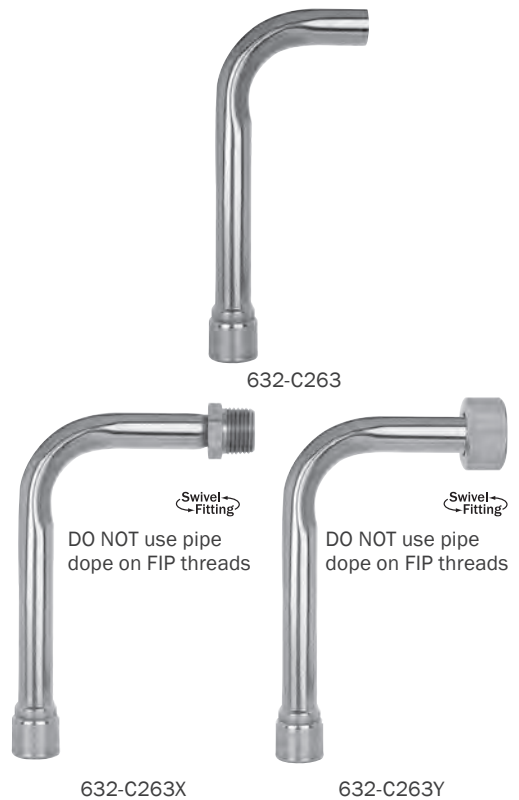
FBC
SYSTEM COMPATIBLE

Metal Head™ Tub/Shower Pressure Connector

- One-piece, Type L copper
- MIP and FIP swivel connections mean no more torch at the tub/shower valve
- 1¼" radius bend for decreased turbulent flow and noise
- Elongated tailpiece allows for rigid bracket attachment



Use Caution When Soldering
Whenever possible, solder with CPVC socket facing downward. If CPVC joint is above solder joint, plug temporarily with nipple and cap to prevent chimney effect. Always apply torch to valve, not to the fitting. Use a commercial heat blocking agent between solder joint and CPVC joint.



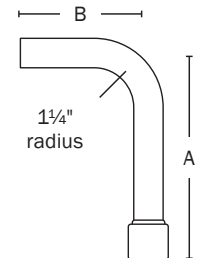
632-C263X

632-C263Y

DO NOT use pipe dope on FIP threads

DO NOT use pipe dope on FIP threads

Item No	Connection	Dimensions		NO LEAD	Pkg	Min Qty	Case Qty
		A	B				
632-C263	½" CPVC socket × ½" male sweat elbow	6"	2¼"	✓	B	50	50
632-C263PK	½" CPVC socket × ½" male sweat elbow	6"	2¼"	✓	C*	10	10
632-C283	½" CPVC socket × ½" male sweat elbow	8"	2¼"	✓	B	50	50
632-C283PK	½" CPVC socket × ½" male sweat elbow	8"	2¼"	✓	C*	10	10
632-C2123	½" CPVC socket × ½" male sweat elbow	12"	2¼"	✓	B	50	50
632-C263X	½" CPVC socket × ½" MIP swivel elbow	6"	3"		B	50	50
632-C263XPK	½" CPVC socket × ½" MIP swivel elbow	6"	3"		C*	10	10
632-C263Y	½" CPVC socket × ½" FIP swivel elbow	6"	3"	✓	B	50	50
632-C263YPK	½" CPVC socket × ½" FIP swivel elbow	6"	3"	✓	C*	10	10



Water Heater Connector

FIP Elbow

- Full flow fitting
- Brass FIP swivel nut with gasket is a dielectric fitting
- Fitting with 600 WOG full port ball valve available



DO NOT use pipe dope on FIP threads

631-CG307FP



DO NOT use pipe dope on FIP threads

631-C307

Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
631-C307FRV	¾" FIP swivel × ¾" CPVC socket with relief valve	3" × 7"	✓		B	10	10
631-CG307FP	¾" FIP swivel × ¾" CPVC socket	3" × 7"	✓	✓	B	10	10



SUPPLY

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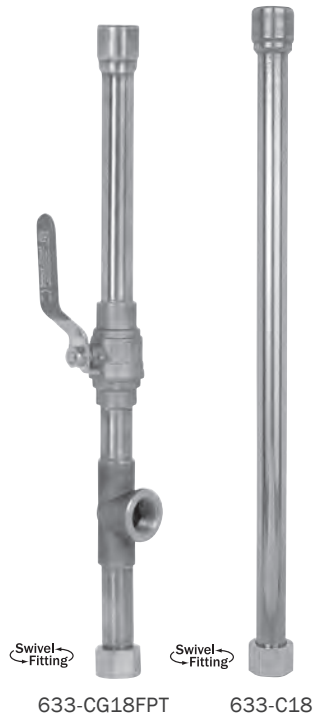
APPENDIX

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633-CG18FPT

633-C18

DO NOT use pipe dope on FIP swivel threads. Must use pipe dope on the FIP threads on the tee.

Metal Head™ Water Heater Connector

FIP Straight

- Full flow fitting
- Brass FIP swivel nut with gasket is a dielectric fitting
- Fitting with 600 WOG full port ball valve available
- 3/4" FIP branch for two gallon expansion tank

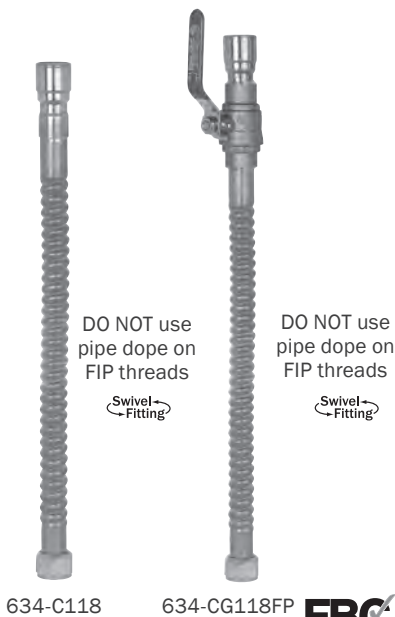
Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633-C02	3/4" FIP swivel × 3/4" CPVC socket	3"	✓	✓	B	50	50
633-C02PK	3/4" FIP swivel × 3/4" CPVC socket	3"	✓	✓	C*	10	10
633-C09	3/4" FIP swivel × 3/4" CPVC socket	9"	✓	✓	B	25	25
633-C18	3/4" FIP swivel × 3/4" CPVC socket	18"	✓	✓	B	25	25
633-C18PK	3/4" FIP swivel × 3/4" CPVC socket	18"	✓	✓	C*	10	10
633-C24	3/4" FIP swivel × 3/4" CPVC socket	24"	✓	✓	B	25	25
633-C418	1" FIP swivel × 3/4" CPVC socket	18"	✓	✓	B	25	25
633-C424	1" FIP swivel × 3/4" CPVC socket	24"	✓	✓	B	25	25
633-CG09FP	3/4" FIP swivel × 3/4" CPVC socket	9"	✓	✓	B	10	10
633-CG18FP	3/4" FIP swivel × 3/4" CPVC socket	18"	✓	✓	B	10	10
633-C18FPPK	3/4" FIP swivel × 3/4" CPVC socket	18"	✓	✓	C*	10	10
633-CG24FP	3/4" FIP swivel × 3/4" CPVC socket	24"	✓	✓	B	10	10
633-CG418FP	1" FIP swivel × 3/4" CPVC socket	18"	✓	✓	B	10	10
633-C424FP	1" FIP swivel × 3/4" CPVC socket	24"	✓	✓	B	25	25
633-C06FP	3/4" FIP swivel × 3/4" CPVC socket	6"	✓	✓	B	10	10
633-C18M3	3/4" FIP swivel × 3/4" CPVC socket, with 3/4" MIP branch	18"			B	25	25
633-C18FPM3	3/4" FIP swivel × 3/4" CPVC socket, with 3/4" MIP branch	18"	✓		B	15	15
633-CG18FPT	3/4" FIP swivel × 3/4" CPVC socket, with 3/4" FIP branch	18"	✓	✓	B	10	10
633-C18FRV	3/4" FIP swivel × 3/4" CPVC socket, with pressure relief 3/8" O.D. compression	18"	✓		B	10	10
633-C418FRV	1" FIP swivel × 3/4" CPVC socket, with pressure relief 3/8" O.D. compression	18"	✓		B	10	10



Metal Head™ Water Heater Connector

FIP Flexible

- FIP swivel nut with gasket is a dielectric fitting
- Fitting with 600 WOG full port ball valve available



634-C118

634-CG118FP

DO NOT use pipe dope on FIP threads

DO NOT use pipe dope on FIP threads

Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD							
634-C118	3/4" FIP swivel × 3/4" CPVC socket	18"		✓	B	25	25
634-C118FP	3/4" FIP swivel × 3/4" CPVC socket	18"	✓		B	25	25
NO LEAD							
634-CG118FP	3/4" FIP swivel × 3/4" CPVC socket	18"	✓	✓	B	25	25



Metal Head™ Water Heater Connector

MIP Straight

- Full flow fitting
- ¾" FIP branch for two gallon expansion tank
- Fitting with 600 WOG full port ball valve available



646-C318

646-C318FP

646-C318FPT

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
646-C3PK	¾" MIP × ¾" CPVC socket	3¾"		C*	10	10
646-C309	¾" MIP × ¾" CPVC socket	9"		B	25	25
646-C318	¾" MIP × ¾" CPVC socket	18"		B	25	25
646-C318PK	¾" MIP × ¾" CPVC socket	18"		C*	10	10
646-C324	¾" MIP × ¾" CPVC socket	24"		B	25	25
646-C3418	1" MIP × ¾" CPVC socket	18"		B	25	25
646-C3424	1" MIP × ¾" CPVC socket	24"		B	25	25
646-C306FP	¾" MIP × ¾" CPVC socket	6"	✓	B	10	10
646-C309FP	¾" MIP × ¾" CPVC socket	9"	✓	B	25	25
646-C318FP	¾" MIP × ¾" CPVC socket	18"	✓	B	25	25
646-C318FPPK	¾" MIP × ¾" CPVC socket	18"	✓	C*	10	10
646-C324FP	¾" MIP × ¾" CPVC socket	24"	✓	B	25	25
646-C3418FP	1" MIP × ¾" CPVC socket	18"	✓	B	25	25
646-C3424FP	1" MIP × ¾" CPVC socket	24"	✓	B	25	25
646-C318FPT	¾" MIP × ¾" CPVC socket, with ¾" FIP branch	18"	✓	B	20	20
646-C324FPT	¾" MIP × ¾" CPVC socket, with ¾" FIP branch	24"	✓	B	20	20



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Metal Head™ Water Heater Pressure Relief Fitting

T&P Relief Adapter

- Perfect for adapting to the T&P Relief valve and running a CPVC line to the floor drain



646-C4308

Item No	Description	Length	Pkg	Min Qty	Case Qty
646-C4308	1" CPVC × ¾" MIP	8"	B	25	25



SUPPLY

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SUPPORT

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648-CG3FPD

Metal Head™ No Lead Brass Ball Valve

- Chrome-plated ball, blowout-proof stem
- Lead-free solder joint



Fitting ends are

Item No	Connection	Length	Pkg	Min Qty	Case Qty
FULL PORT					
648-CG2FP	½" CPVC	4½"	B	10	10
648-CG3FP	¾" CPVC	6"	B	10	10
648-CG4FP	1" CPVC	8"	B	10	10
648-CG5FP	1¼" CPVC	8¾"	B	5	5
648-CG6FP	1½" CPVC	10"	B	1	1
648-CG7FP	2" CPVC	11½"	B	1	1
FULL PORT WITH DRAIN					
648-CG2FPD	½" CPVC	4½"	B	10	10
648-CG3FPD	¾" CPVC	6"	B	10	10
648-CG4FPD	1" CPVC	8"	B	10	10

Thermoplastic CPVC Ball Valve

- NSF/ANSI 14
- ASTM D2846 socket joint
- Teflon seat
- EPDM o-rings
- Rated 100 PSI at 180°F



106-C22

Item No	Connection	Pkg	Min Qty	Case Qty
106-C22	½" CPVC	B	10	100
106-C23	¾" CPVC	B	10	100
106-C24	1" CPVC	B	10	100

Metal Head™ Brass Stop & Waste Valve

- Brass valve body with stuffing box, neoprene seals
- Lead-free solder joint



648-C2W

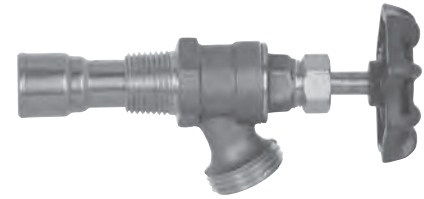


Fitting ends are

Item No	Connection	Length	Pkg	Min Qty	Case Qty
648-C2W	½" CPVC	4¾"	B	10	10
648-C3W	¾" CPVC	6¾"	B	10	10

Metal Head™ Brass Boiler Drain

- Male hose thread spout
- With stuffing box
- Lead-free solder joint



113-C32

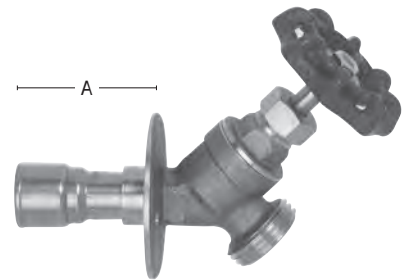
Item No	Connection	Pkg	Min Qty	Case Qty
113-C32	½" CPVC	B	25	25



Metal Head™ Sillcock

Standard

- New larger 2⅝" diameter mounting flange
- Lead-free solder joint



117-C22

Item No	Connection	Dimension A	Pkg	Min Qty	Case Qty
117-C22	½" CPVC	1⅝"	B	25	25
117-C223E	½" CPVC	3⅝ ₁₆	B	25	25



Metal Head™ Frost-Proof Sillcock

Standard

- Longer stem keeps knuckles from scraping on hose threads
- Thicker, easier turning handle
- Nickel-plated brass body with black metal handle

¼-Turn

- Extended tailpiece for ease of installation
- Extra-large mounting flange
- Spout alignment feature
- Nickel-plated brass body
- ANSI/NSF 61 listed



119-C208

Item No	Connection	Length	Pkg	Min Qty	Case Qty
STANDARD					
118-C208	½" CPVC	8"	B	5	5
118-C210	½" CPVC	10"	B	5	5
¼-TURN					
119-C208	½" CPVC	8"	B	5	5
119-C210	½" CPVC	10"	B	5	5



ShowerUp™ Kits

CPVC Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

SUPPLY

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693-02016307

Related Products

Build your own kit

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Item No	Components	Bulk Item No	NO LEAD	Pkg	Min Qty	Case Qty
NEW 693-02016307	5" x 7" MIP swivel tub spout elbow 1/2" CPVC x 1/2" MIP adapters 1/2" MIP swivel x spun, 50" x 8" stub out elbow 24" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	613-57X 646-CG2 608-L2508X 525-24WLB 523-2434		B*	12	12
693-06024203	6" x 7" MIP tub spout elbow 6" x 3" CPVC x MIP swivel pressure connectors 50" MIP swivel riser with drop-ear elbow Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-67M 632-C263X 616-650X 523-2404 523-2434		B*	12	12
693-32434403	6" x 7" FIP swivel tub spout elbow 6" x 3" CPVC x FIP swivel pressure connectors 50" FIP swivel riser with drop-ear elbow Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-67Y 632-C263Y 616-650Y 523-2404 523-2434		B*	12	12
NEW 693-13032303	8" x 7" male sweat tub spout elbow 6" x 2 1/4" CPVC x MSWT pressure connectors 1/2" FSWT x 1/2" FIP drop-ear elbow Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	613-87 632-C263 616-2E 523-2404 523-2434	✓	B*	12	12
693-01024102	no tub spout elbow 6" x 3" CPVC x MIP swivel pressure connectors 30" MIP swivel riser with drop-ear elbow Power Bar w/6 screws, Power Bar 2TD clamp, 4 screws	— 632-C263X 616-630X 523-2404 523-2424		B*	12	12



Stub Out Kits

CPVC Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689C0101

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689C0101	3½" × 8", ½" CPVC socket stub out elbow Strong Arm brackets with one, ½" Lock Block	630-C248 525-1612	B*	12	12
FOR 24" STUD BAYS					
689C0111	3½" × 8", ½" CPVC socket stub out elbow Strong Arm brackets with one, ½" Lock Block	630-C248 525-2412	B*	12	12



Lav/Sink Stub Out Kits

CPVC Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689C1102

Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689C1102	Two 3½" × 8", ½" CPVC socket stub out elbows Strong Arm brackets with two ½" Lock Blocks	630-C248 525-1622	B*	12	12
FOR 24" STUD BAYS					
689C1112	Two 3½" × 8", ½" CPVC socket stub out elbows Strong Arm brackets with two ½" Lock Blocks	630-C248 525-2422	B*	12	12



SUPPLY

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SUPPLY

Water Heater Stub Out Kits

CPVC Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



DRAINAGE



689C3113

SUPPORT

APPENDIX



Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689C3103	Two 6" x 8", 3/4" CPVC socket stub out elbows Strong Arm brackets with two 3/4" Lock Blocks	630-C348 525-1623	B*	12	12
FOR 24" STUD BAYS					
689C3113	Two 6" x 8", 3/4" CPVC socket stub out elbows Strong Arm brackets with two 3/4" Lock Blocks	630-C348 525-2423	B*	12	12

Shower Riser Elbow Kits

CPVC Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



689C0191

Related Products

Shower WallNut™

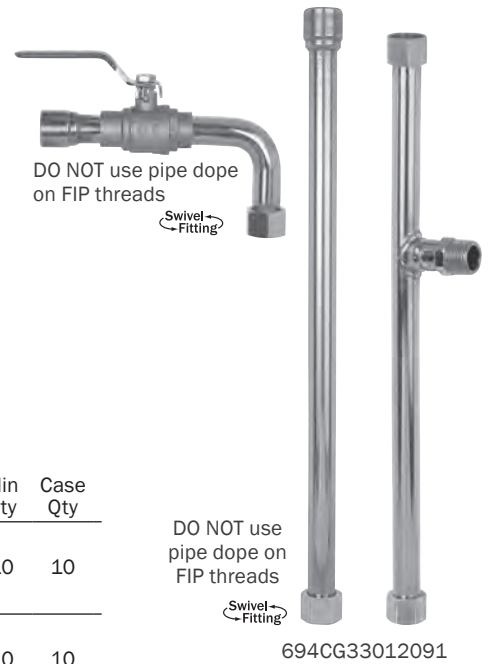


Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689C0191	3 1/2" x 8", 1/2" CPVC stub out elbow Strong Arm brackets with one 1/2" Shower WallNut Lock Block	630-C248 525-16WLB	B*	12	12

Water Heater Connector Kits

CPVC Connection

- Under warranty pre-manufactured assemblies
- Maintains the necessary 18" distance from plastic tubing



SUPPLY

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Related Products
Build your own kit p 271

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
694CG33012091	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-C18 631-CG307FP 633-G3TM15	B*	10	10
694CG33012093	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-C18 631-CG307FP 633-G3TM11	B*	10	10
694CG331220	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket, ball valve	633-C18 633-CG18FP	B*	10	10
694CG33012391	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples 3/4" x 3/4" FIP swivel with 3/4" MIP branch	633-C18 631-CG307FP 635-33 633-G3TM15	B*	10	10
694CG361520	1" FIP swivel x 3/4" CPVC socket 1" FIP swivel x 3/4" CPVC socket, ball valve	633-C418 633-C418FP	B*	10	10
694CG36012094	1" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 1" x 3/4" FIP swivel with 3/4" MIP branch	633-C418 631-CG307FP 633-G4TM11	B*	10	10

NO LEAD

FBC
SYSTEM COMPATIBLE

Tankless Water Heater Kit

- Forged brass bodies
- 600 WOG full port valve
- Integral 1/4-turn drain valve with cap
- 3/4" hot connector has integral 3/4" FIP port for pressure relief valve
- 1" hot connector has integral 3/4" MIP port for pressure relief valve
- Fits most tankless water heaters
- Available with or without pressure-only relief valve
- Pressure-only relief valve rated at 150 PSI at 500,000 BTU/hr



690C0145

Item No	Description	Pkg	Min Qty	Case Qty
690C0145	3/4" hot and cold connectors	B*	1	1
690C4045	1" hot and cold connectors	B*	1	1
690C0175	3/4" hot and cold connectors, with relief valve	B*	1	1

NEW

FBC
SYSTEM COMPATIBLE



“You have a terrific company; awesome people all lead by obviously dynamic owners and management. We look forward to growing our business and strengthening our relationship.”

Scott Smith
F. W. Webb



PVC

ADAPTERS/CONNECTORS

VALVES

Federal No Lead Compliance

» Reducing Lead in Drinking Water

Federal legislation known as Federal Public Law 111-380 or the "Reduction of Lead in Drinking Water Act" was signed into law in 2011 and eliminates the sale or installation of plumbing fixtures (drinking water pipes, pipe fittings and plumbing fixtures) with a wetted surface area containing more than a weighted average of 0.25% lead.

National requirements allow for standard leaded brass to be installed up until January 4, 2014. However, these products will be non-compliant and obsolete as of January 4, 2014 for use within potable drinking water plumbing systems.

Products exempted from the no lead law are those used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, radiant heating or any other uses where the water is not intended for human consumption.

Sioux Chief's No Lead and Standard Brass Product Availability and PEX Fitting Options

Sioux Chief no longer builds stock or produces leaded brass for F1807, F1960, F2080 or sweat fittings that fall under the necessary federal mandates. Sioux Chief will not accept returns of these phasing-out standard brass fittings after December 31, 2012.

Sioux Chief will keep a list of fittings that will be transitioning to no lead material at www.siouxchief.com. This list will be kept up-to-date with current stock status of each fitting (obsolete vs. in-stock) as we transition to no lead inventory.

Sioux Chief has made the investment in no lead brass inventory for the majority of our current products. This inventory is currently available in various alloys including no lead compliant and dezincification resistant C69300 material.

F1807 PEX, F1960 PEX and F2080 PEX are offered under the PowerPEX™ brand as fully compliant and listed standard brass (traditional 360 and 377 brass fittings) as well as the above-mentioned no lead and dezincification resistant brass. Sioux Chief's F1807 line of fittings is also offered in copper and remains an economical and perfect solution to no lead and dezincification issues.

All Sioux Chief no lead compliant PEX products, F2159 poly alloy fittings and F1807 copper fittings already meet the above national mandates for Jan. 4, 2014. Sioux Chief's current listed no lead inventory, copper stub outs, copper PEX F1807 fittings and the majority of our preformed copper (PFC) solutions are naturally no lead, are not prone to dezincification and offer natural anti-microbial properties. For those PFC items that are within the scope of federal mandates and which currently contain leaded brass, Sioux Chief will fully transition to compliant product by the Jan 4, 2014 date.

No Lead Compliant Products



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

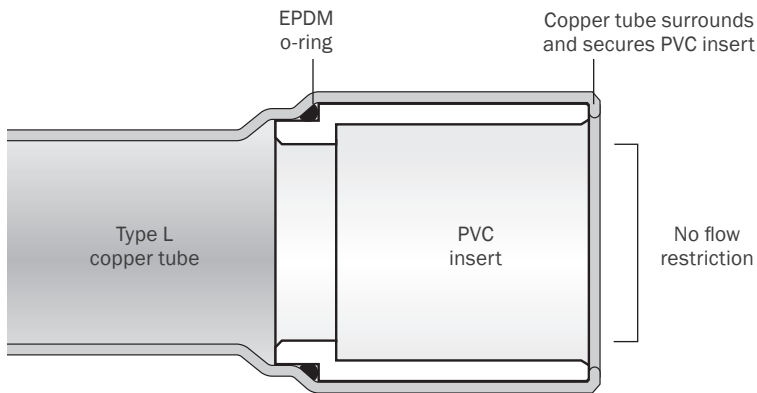
Important Notes About Sioux Chief Male Sweat Fitting



All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

Sioux Chief PVC Fittings

- All PVC fittings are 100% production tested to assure maximum quality and a leak-free connection.
- Makes PVC to threaded connection faster, easier and more durable than other transition fittings.
- Sioux Chief PVC transition fittings can be used for potable water or irrigation systems.



Important Notes About Sioux Chief PVC Fittings

- All Sioux Chief PVC fittings conform to the ASTM F1970 Standard for PVC piping systems and are designed for use with any PVC pipe and fittings conforming to ASTM D 2466 PVC Schedule 40.
- Do not cut, alter or modify any Sioux Chief PVC transition fitting. Doing so voids the manufacturer's warranty.
- Do not expose PVC transition area of fitting to heat in excess of 140°F. Excessive heat will distort and deform the PVC insert and damage the internal o-ring. Never install a damaged fitting.



SUPPLY

DRAINAGE

SUPPORT

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SUPPLY

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646-P3



647-P3



645X3P



645A4P



645WG4P



645X54P



Metal Head™ Adapter

MIP × PVC

FIP × PVC

F1807 × PVC

F2080 × PVC

F1960 × PVC

F2434 Failsafe × PVC

- A perfect fitting to transition from a PVC service line to a threaded adapter for CPVC, copper or PEX piping system
- Great transition fitting for irrigation systems
- Lead-free solder joint

Item No	Description	NO LEAD	Pkg	Min Qty	Case Qty
MIP					
646-P3	¾" PVC × ¾" MIP		B	50	50
646-P4	1" PVC × 1" MIP		B	20	20
646-PG3	¾" PVC × ¾" MIP	✓	B	50	50
646-PG4	1" PVC × 1" MIP	✓	B	20	20
646-P5	1¼" PVC × 1¼" MIP	✓	B	10	10
646-P6	1½" PVC × 1½" MIP	✓	B	10	10
646-P7	2" PVC × 2" MIP	✓	B	10	10
FIP					
647-P3	¾" PVC × ¾" FIP		B	50	50
647-P4	1" PVC × 1" FIP		B	20	20
647-PG3	¾" PVC × ¾" FIP	✓	B	50	50
647-PG4	1" PVC × 1" FIP	✓	B	20	20
647-P5	1¼" PVC × 1¼" FIP	✓	B	1	10
647-P6	1½" PVC × 1½" FIP	✓	B	1	10
647-P7	2" PVC × 2" FIP	✓	B	1	10
F1807					
645X23P	¾" PVC × ½" PEX	✓	B	50	50
645X3P	¾" PVC × ¾" PEX	✓	B	50	50
645X43P	¾" PVC × 1" PEX	✓	B	20	20
645X34P	1" PVC × ¾" PEX	✓	B	20	20
645X4P	1" PVC × 1" PEX	✓	B	20	20
F2080					
645A3P	¾" PVC × ¾" PEX		B	50	50
645A4P	1" PVC × 1" PEX		B	20	20
F1960					
645WG3P	¾" PVC × ¾" PEX	✓	B	50	50
645WG4P	1" PVC × 1" PEX	✓	B	20	20
F2434 FAILSAFE					
645X54P	1¼" PVC × 1" PVC		B	10	10
645X5P	1¼" PVC × 1¼" PVC		B	10	10

Metal Head™ Adapter

Male Sweat × PVC

- A perfect fitting to transition from a PVC service line to copper
- Press-fit and push-fit compatible
- All fittings are production tested to ensure maximum quality and a leak-free connection

Use Caution When Soldering

Whenever possible, solder with PVC socket facing downward. Plug must be in PVC socket when soldering to prevent chimney effect, which can damage PVC socket.

Always apply torch to female fitting, not to the adapter.

Perform all solder joints a minimum of:

- 10" from ¾" PVC socket
- 18" from 1" and 1¼" PVC sockets
- 20" from 1½" PVC socket
- 22" from 2" PVC socket

Use a commercial heat blocking agent between solder joint and PVC joint.



643-P722

CAUTION
Do not cut this fitting. Cutting this fitting voids warranty. Do not allow PVC portion of fitting to be heated. Do not exceed 140°F. Excessive heat can damage the PVC insert and internal o-ring.



Item No	Description	Length	Pkg	Min Qty	Case Qty
643-P311	¾" PVC × ¾" MSWT	11"	B	50	50
643-P418	1" PVC × 1" MSWT	18"	B	25	25
643-P518	1¼" PVC × 1¼" MSWT	18"	B	1	10
643-P620	1½" PVC × 1½" MSWT	20"	B	1	10
643-P722	2" PVC × 2" MSWT	22"	B	1	10

Metal Head™ Adapter

Press-Fit Adapter × PVC

- **Mechanical connection only**
- A compact press-fit or Push-Fit connection to transition from copper to PVC
- Perfect for water service connections
- All fittings are production tested to ensure maximum quality and a leak-free connection



685-P4

CAUTION
Applying heat or cutting this fitting voids warranty. Mechanical connection only.



Item No	Description	Length	Pkg	Min Qty	Case Qty
685-P3	¾" PVC × ¾" press-fit	4⅞"	B	20	20
685-P4	1" PVC × 1" press-fit	4¼"	B	20	20
685-P5	1¼" PVC × 1¼" press-fit	5¾"	B	10	10
685-P6	1½" PVC × 1½" press-fit	6"	B	5	5
685-P7	2" PVC × 2" press-fit	6"	B	5	5



648-P3FP

Metal Head™ Brass Ball Valve

PVC Socket Connection

- Chrome-plated ball, blowout-proof stem
- Lead-free solder joint
- ¼-turn full-port ball valve

Item No	Description	Pkg	Min Qty	Case Qty
648-P3FP	¾" PVC	B	10	10
648-P4FP	1" PVC	B	10	10
648-P5FP	1¼" PVC	B	5	5
648-P6FP	1½" PVC	B	1	1
648-P7FP	2" PVC	B	1	1

CTS Bell Hanger

» See page 464

- 1¾" stand-off
- Includes two clamp screws and one 2 ½" mounting screw
- Recessed hole for mounting screw



CONSIDER SIOUX CHIEF AS YOUR

**ROUGH
PLUMBING
ARMORY**

TOGETHER, WE WILL TAKE THE FIELD.

» SUPPORT > BRACKETS > CTS Bell Hanger



SWEAT

COUPLINGS

ADAPTERS/CONNECTORS

PREFORMED COPPER

VALVES

WATER HEATER CONNECTORS

MANIFOLDS

ADD-A-LINE™

WAL-LET™

ACCESSORIES

WATER SERVICE CONNECTOR

KITS

Federal No Lead Compliance

» Reducing Lead in Drinking Water

Federal legislation known as Federal Public Law 111-380 or the "Reduction of Lead in Drinking Water Act" was signed into law in 2011 and eliminates the sale or installation of plumbing fixtures (drinking water pipes, pipe fittings and plumbing fixtures) with a wetted surface area containing more than a weighted average of 0.25% lead.

National requirements allow for standard leaded brass to be installed up until January 4, 2014. However, these products will be non-compliant and obsolete as of January 4, 2014 for use within potable drinking water plumbing systems.

Products exempted from the no lead law are those used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, radiant heating or any other uses where the water is not intended for human consumption.

No Lead Compliant Products



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

Important Notes About Sioux Chief Male Sweat Fitting



All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

Sioux Chief's No Lead and Standard Brass Product Availability and PEX Fitting Options

Sioux Chief no longer builds stock or produces leaded brass for F1807, F1960, F2080 or sweat fittings that fall under the necessary federal mandates. Sioux Chief will not accept returns of these phasing-out standard brass fittings after December 31, 2012.

Sioux Chief will keep a list of fittings that will be transitioning to no lead material at www.siouxchief.com. This list will be kept up-to-date with current stock status of each fitting (obsolete vs. in-stock) as we transition to no lead inventory.

Sioux Chief has made the investment in no lead brass inventory for the majority of our current products. This inventory is currently available in various alloys including no lead compliant and dezincification resistant C69300 material.

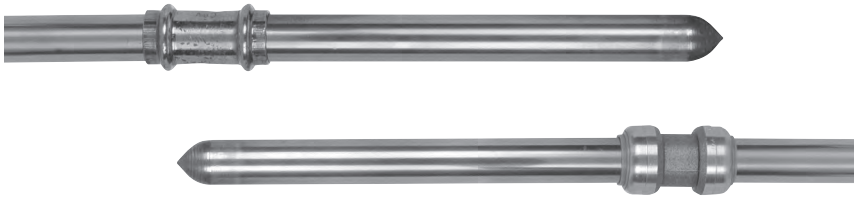
F1807 PEX, F1960 PEX and F2080 PEX are offered under the PowerPEX™ brand as fully compliant and listed standard brass (traditional 360 and 377 brass fittings) as well as the above-mentioned no lead and dezincification resistant brass. Sioux Chief's F1807 line of fittings is also offered in copper and remains an economical and perfect solution to no lead and dezincification issues.

All Sioux Chief no lead compliant PEX products, F2159 poly alloy fittings and F1807 copper fittings already meet the above national mandates for Jan. 4, 2014. Sioux Chief's current listed no lead inventory, copper stub outs, copper PEX F1807 fittings and the majority of our preformed copper (PFC) solutions are naturally no lead, are not prone to dezincification and offer natural anti-microbial properties. For those PFC items that are within the scope of federal mandates and which currently contain leaded brass, Sioux Chief will fully transition to compliant product by the Jan 4, 2014 date.

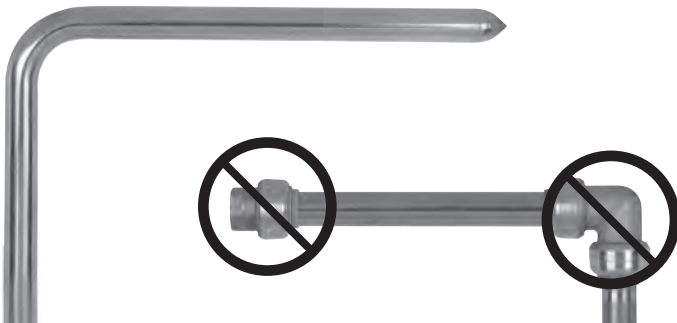
Rough-in Ready™

Preformed Copper Fittings

- All Sioux Chief Rough-in Ready™ preformed copper fittings for sweat are made in the USA from 100% pure copper tube that conforms to these specifications: Tube: ASTM B 88 and Fitting Ends: ANSI B16.22
- Spin closed ends eliminate the need to solder on caps
- Stub out elbows eliminate an elbow and cap
- Square O Strap is crimped onto tube for solid attachment to bracket or stud
- Full-slip fittings are great for repair jobs or new construction



- 1/2" preformed bends have a 1 1/4" bend-radius compared to the standard 3/4" - 1" radius of other 90° fittings (solder, push fitting or drop-ear) thereby decreasing turbulent flow and the potential for water-stacking.
- Spin closed ends and preformed elbows reduce the number of expensive press-fitting, push-fitting or solder caps used on a job.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

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616-2



616-2E

Tub/Shower Elbows

Shower-Lock & Drop-Ear Models

- Drop-ear elbow is heavy-duty forged brass
- Locknut threads on shower-lock model can be trimmed after installation
- Shower-lock model has internal 1/2" FIP thread for shower arm or tub nipple
- For use on shower risers, tub spouts and non-pressure fitting applications

Item No	Description	Pkg	Min Qty	Case Qty
SHOWER-LOCK				
616-2	1/2" female sweat x 1/2" FIP	B	50	50
616-2PK2	1/2" female sweat x 1/2" FIP, 1/bag	C*	10	10
DROP-EAR				
616-2E	1/2" female sweat x 1/2" FIP	B	50	50
616-2EPK2	1/2" female sweat x 1/2" FIP, 1/bag	C*	20	20

Wal-Let™

Wall Termination Fitting

- Available in both 1/2" and 3/4" connections
- One-piece, forged brass fitting with rigid mounting plate
- Secure loose or fragile wall penetrations and reduce the risk of leaks
- Ideal for back mounted faucets, sillcocks, threaded stops, shower rain heads, body spray systems and pot fillers



615-214



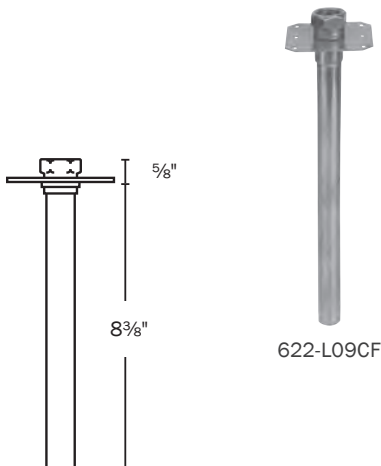
615-213

Item No	Connection	Pkg	Min Qty	Case Qty
615-214	1/2" MIP x 1/2" FSWT	B	10	100
615-234	1/2" MIP x 1/2" FIP	B	10	100
615-213	1/2" FIP x 1/2" FSWT	B	10	100
615-233	1/2" FIP x 1/2" FIP	B	10	100
615-313	3/4" FIP x 3/4" FSWT	B	10	100
615-333	3/4" FIP x 3/4" FIP	B	10	100

Termination Fitting

FIP x Male Sweat

- Connects easily to MIP supply stops
- Perfect for stubbing up through the floor for closets or lavs
- Square O Strap is crimped to tube
- Made from Type L copper tube
- Lead-free solder joint



622-L09CF



Item No	CTS	Connection	Pkg	Min Qty	Case Qty
622-L09CF	1/2"	3/8" FIP x 1/2" MSWT	B	25	25

Full-Slip Repair Couplings

Sweat or Compression Connection

- 1/2" and 3/4" full-slip copper repair couplings
- Perfect for repair of cold and hot water lines
- Sweat and compression models



600-206



600-206C

Item No	Slips Over	Length	NO LEAD	Pkg	Min Qty	Case Qty
SWEAT						
600-203	1/2" CTS	3"	✓	B	50	500
600-206	1/2" CTS	6"	✓	B	25	250
600-206PK	1/2" CTS	6"	✓	C*	10	10
600-212	1/2" CTS	12"	✓	B	50	50
600-212PK	1/2" CTS	12"	✓	C*	10	10
600-303	3/4" CTS	3"	✓	B	25	250
600-306	3/4" CTS	6"	✓	B	50	50
600-306PK	3/4" CTS	6"	✓	C*	10	10
600-312	3/4" CTS	12"	✓	B	50	50
600-312PK	3/4" CTS	12"	✓	C*	10	10
COMPRESSION						
600-206C	1/2" CTS	6"		B	25	25
600-206CPK	1/2" CTS	6"		C*	10	10
600-212C	1/2" CTS	12"		B	25	25
600-212CPK	1/2" CTS	12"		C*	10	10
600-306C	3/4" CTS	6"		B	25	25
600-306CPK	3/4" CTS	6"		C*	10	10
600-312C	3/4" CTS	12"		B	25	25
600-312CPK	3/4" CTS	12"		C*	10	10
LEAD-FREE COMPRESSION						
600-G212CPK	1/2" CTS	12"	✓	C*	10	10
600-G312CPK	3/4" CTS	12"	✓	C*	10	10

Plated Stub Out Sleeves

Nickel-Plated Copper

- Slides over 1/2" or 3/4" CTS stub outs
- 12" long – can be cut to custom lengths

Item No	Slips Over	Length	Pkg	Min Qty	Case Qty
600-212N	1/2" CTS	12"	B	25	25
600-312N	3/4" CTS	12"	B	25	25



600-212N

SUPPLY

DRAINAGE

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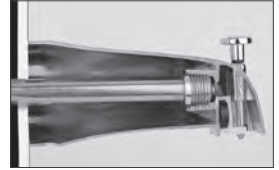


614-2

Full-Slip Male Adapter

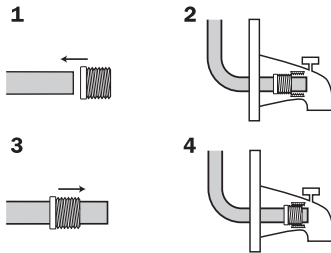
Brass Female Sweat × MIP Thread

- Eliminates tedious measuring
- 3/4" and 1" sizes are ideal for closet or urinal stub out adapters
- Replaces male adapters when hex is not necessary



1/2" size is ideal for use with our tub spout ells.

Tub Spout Application



1. Slide slip adapter onto copper tube, threads out.
2. Push adapter to desired location with tub spout.
3. Slide slip adapter 1/4" toward open end.
4. Solder adapter in place. Let cool. Install tub spout.

Related Products

Smart Spout



Item No	Connection	Pkg	Min Qty	Case Qty
614-2	1/2" female sweat × 1/2" MIP thread	B	50	500
614-3	3/4" female sweat × 3/4" MIP thread	B	50	500
614-4	1" female sweat × 1" MIP thread	B	25	250

Full-Slip Male Adapter

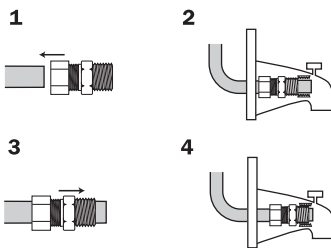
Brass Compression × MIP Thread

- Full-slip fitting slides completely over 1/2" CTS
- Use wherever 1/2" MIP threads must be replaced without soldering
- Use on 1/2" CTS copper tube only



614-22C

Tub Spout Application



1. Slide onto copper tube, threads out.
2. Push adapter back with tub spout.
3. Slide adapter 1/4" toward open end.
4. Tighten comp. nut and install tub spout.

Item No	Connection	Pkg	Min Qty	Case Qty
614-22C	5/8" compression × 1/2" MIP	B	25	250
614-22CPK2	5/8" compression × 1/2" MIP, 1/bag	C*	20	20

MIP × MIP Brass Nipple

1/2" MIP Thread × 1/2" MIP Thread Nipple



602-22MPK1

Item No	Connection	Pkg	Min Qty	Case Qty
602-22MPK1	1/2" MIP × 1 1/2" long	C*	1	25

NEW Dishwasher Connector

- Made in the USA
- Larger internal diameter for adequate flow
- Assembled
- Nose cone washer provides a positive seal



637-B23H



Related Products
 F1807 PEX Dishwasher Connector p 45

Item No	Description	Pkg	Min Qty	Case Qty
637-B23H	3/8" compression thread × 3/4" female hose swivel elbow	B	5	50

Stub Out Elbow

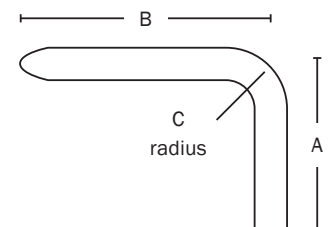
Male Sweat

- A stub out, cap and elbow in one full flow fitting
 – better time saver than straight stub outs
- Full flow – no restrictions
- Accepts sweat, push-fitting and compression valves



608-L246

Item No	Copper Type	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
608-L246	L	1/2"	3 1/2"	6"		50	50	
608-L246PK	L	1/2"	3 1/2"	6"		50	50	
608-L248	L	1/2"	3 1/4"	8"		50	50	
608-L248PK	L	1/2"	3 1/4"	8"		50	50	
608-L2612	L	1/2"	6"	12"		50	50	
608-L2812	L	1/2"	8"	12"		50	50	
608-L2138	L	1/2"	13"	8"		50	50	
608-L2187	L	1/2"	18"	7"		50	50	
608-L2277	L	1/2"	27"	7"		50	50	
608-L2337	L	1/2"	33"	7"		50	50	
608-L348	L	3/4"	4"	8"		50	50	
608-L3612	L	3/4"	6"	12"		50	50	
608-L3812	L	3/4"	8"	12"		50	50	
608-L4612	L	1"	6"	12"		25	25	
608-L4812	L	1"	8"	12"		25	25	



SUPPLY

DRAINAGE

SUPPORT

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SUPPLY



DRAINAGE



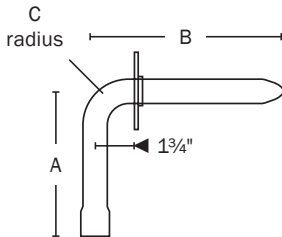
SUPPORT

Stub Out Elbow

Female Sweat
with Square O Strap

- A stub out, cap and elbow in one full flow fitting — even better time saver than straight stub outs
- Full flow – no restrictions
- Square O Strap is crimped onto tube for solid attachment to bracket or stud
- Accepts sweat, push-fitting and compression valves

APPENDIX



NO LEAD

NEW

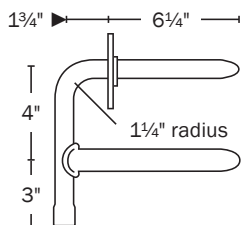
NEW

NEW

Item No	Copper Type	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
FEMALE SWEAT								
609-L246	L	1/2"	3 1/2"	6"			50	50
609-L248	L	1/2"	3 1/2"	8"			50	50
609-L2612	L	1/2"	6"	12"			50	50
609-L2812	L	1/2"	8"	12"			50	50
609-L2138	L	1/2"	13"	8"			50	50
609-L3248	L	1/2" tube 3/4" FSWT	4"	8"			50	50
609-L348	L	3/4"	4"	8"			50	50
609-L3612	L	3/4"	6"	12"			50	50
609-L3812	L	3/4"	8"	12"			50	50
609-L4612	L	1"	6"	12"			25	25
609-L4812	L	1"	8"	12"			25	25
FEMALE SWEAT WITH SQUARE O STRAP								
609-L246E	L	1/2"	3 1/2"	6"			25	25
609-L246EPK	L	1/2"	3 1/2"	6"			25	25
609-L248E	L	1/2"	3 1/2"	8"			25	25
609-L248EPK	L	1/2"	3 1/2"	8"			25	25
609-L248PK	L	1/2"	3 1/2"	8"			50	50



608-D288E



NO LEAD

Double Stub Out Elbow

- Brazed stub out joint will not fracture
- Square O Strap is crimped to tube

Perfect for running sink and dishwasher supplies (hot side) or sink and ice maker supplies (cold side) off the same branch line.



Item No	Copper Type	CTS	Pkg	Min Qty	Case Qty
MALE SWEAT					
608-D288E	L	1/2"	B	25	25
FEMALE SWEAT					
609-D288E	L	1/2"	B	25	25

Tub Spout Elbow

Male Sweat
with Square O Strap
with Wall Block Plate

- Connect tub valve to spout nipple in one easy step
- 1¼" radius fits all valve rough-ins
- Square O strap and Wall Block are crimped to tube

MIP Swivel

- No soldering with easy swivel thread installation
- 1¼" radius fits all valve rough-ins

Fixed MIP

with Wall Block Plate

- No soldering with male thread connection
- 1¼" radius fits all valve rough-ins

FIP Swivel

- No soldering with easy swivel thread installation
- 1¼" radius fits all valve rough-ins
- Do NOT use pipe dope or teflon tape on FIP threads



613-57



613-57E



612-57

Swivel-Fitting
DO NOT use pipe
dope on FIP threads



613-57X



613-57M

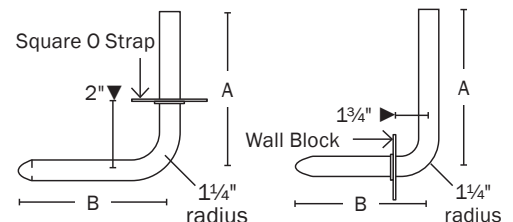


612-57

Swivel-Fitting
DO NOT use pipe
dope on FIP threads



613-57Y



Item No	Copper Type	CTS	Dimensions		NO LEAD	Pkg	Min Qty	Case Qty
			A	B				
MALE SWEAT								
613-57	L	½"	5"	7"	✓		50	50
613-57PK	L	½"	5"	7"	✓		20	20
613-67	L	½"	6"	7"	✓		50	50
613-87	L	½"	8"	7"	✓		50	50
613-107	L	½"	10"	7"	✓		50	50
613-137	L	½"	13"	7"	✓		50	50
613-139	L	½"	13"	9"	✓		50	50
MALE SWEAT WITH SQUARE O STRAP								
613-57E	L	½"	5"	7"	✓		25	25
613-87E	L	½"	8"	7"	✓		25	25
MALE SWEAT WITH WALL BLOCK								
612-57	L	½"	5"	7"	✓		25	25
612-87	L	½"	8"	7"	✓		25	25
612-108	L	½"	10"	8"	✓		25	25
MIP SWIVEL								
613-57X	L	½"	5"	7"			50	50
613-67X	L	½"	6"	7"			50	50
613-87X	L	½"	8"	7"			50	50
MIP								
613-57M	L	½"	5½"	7"	✓		50	50
613-67M	L	½"	6½"	7"	✓		50	50
613-87M	L	½"	8½"	7"	✓		50	50
MIP WITH WALL BLOCK								
612-557	L	½"	5½"	7"			25	25
FIP SWIVEL								
613-57Y	L	½"	5"	7"	✓		50	50
613-67Y	L	½"	6"	7"	✓		50	50
613-87Y	L	½"	8"	7"	✓		50	50
FIP								
613-67F	L	½"	6"	7"	✓		50	50

NEW

SUPPLY

DRAINAGE

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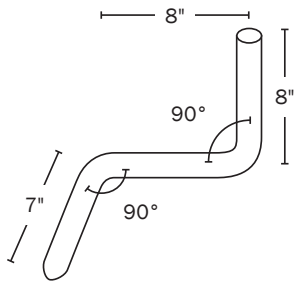
Offset Tub Spout Elbow

Male Sweat

- Use right offset model for right-handed tub/shower installation (valve to right of spout)
- Great for ADA applications



613-887R



Related Products

Offset Riser Fitting

p 191

Item No	Copper Type	CTS	Offset Direction	Pkg	Min Qty	Case Qty
613-887L	L	1/2"	left	B	25	25
613-887R	L	1/2"	right	B	25	25



Pick Up Talon™

» See page 421

- The most affordable solution to keeping tube off the mounting surface
- Installation is fast and easy; snaps onto tube with preloaded nails or screws
- Install in alternating directions to secure piping
- All models with screws feature self-drilling tips
- Compatible with copper, PEX and CPVC



CONSIDER SIOUX CHIEF AS YOUR

ROUGH PLUMBING ARMORY

TOGETHER, WE WILL TAKE THE FIELD.

» SUPPORT > SUPPLY HANGERS > Pick Up Talon

Bullet™

Stub Out & Air Chamber

- Reduce job site and shop costs such as measuring, cutting, cleaning, fluxing, assembling and soldering
- Turn your variable job site costs into fixed job costs
- 1¼" - 2" CTS Bullets available for quote
- Accepts sweat, push-fitting and compression valves

Polished Nickel-Plated

- Eliminates the need for sleeving or tinning
- Solders with standard flux and solder

Bracketed Stub Out

- Perfect for stubbing up through the floor for closets or lavs
- Square O Strap is crimped to tube 12" from each end

Item No	Copper Type	CTS	Length	Pkg	Min Qty	Case Qty
STANDARD						
622-M06	M	½"	6"	B	100	100
622-M06PK	M	½"	6"	C*	20	20
622-M08	M	½"	8"	B	100	100
622-M08PK2	M	½"	8"	C*	10	10
622-M10	M	½"	10"	B	100	100
622-M12	M	½"	12"	B	100	100
622-M12PK2	M	½"	12"	C*	10	10
622-M15	M	½"	15"	B	100	100
622-M18	M	½"	18"	B	100	100
622-M24	M	½"	24"	B	50	50
622-L06	L	½"	6"	B	100	100
622-L06PK	L	½"	6"	C*	100	100
622-L08	L	½"	8"	B	100	100
622-L08PK	L	½"	8"	C*	100	100
622-L10	L	½"	10"	B	100	100
622-L12	L	½"	12"	B	100	100
622-L15	L	½"	15"	B	100	100
622-L18	L	½"	18"	B	100	100
622-L24	L	½"	24"	B	50	50
623-L06	L	¾"	6"	B	50	50
623-L08	L	¾"	8"	B	50	50
623-L12	L	¾"	12"	B	50	50
623-L15	L	¾"	15"	B	50	50
623-L18	L	¾"	18"	B	50	50
623-L24	L	¾"	24"	B	50	50
624-L08	L	1"	8"	B	30	30
624-L12	L	1"	12"	B	30	30
624-L15	L	1"	15"	B	30	30
624-L18	L	1"	18"	B	30	30
624-L24	L	1"	24"	B	30	30
NICKEL-PLATED						
622-L08N	L	½"	8"	B	25	25
BRACKETED						
622-L24E	L	½"	24"	B	20	20



622-L08



622-L24E



622-L08N



Bullets™ save time and reduce on-the-job costs. Perfect for any stub out or air chamber application.



Leakproof

Spin closed ends have **five** times the wall thickness of the copper tube. Each fitting is factory inspected.



SUPPLY

DRAINAGE

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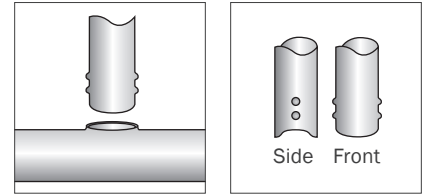


Bullet™

Dimple & Notch Stub Out

- Use with T-Drill® extrusion-type tees
- Double dimples meet code requirements
- Guaranteed leakproof spin closure

Be sure dimples on Bullet™ connection are in line with trunk line.



Item No	Copper Type	CTS	Length	Pkg	Min Qty	Case Qty
624-L12D	L	1"	12"	B	30	30
624-L18D	L	1"	18"	B	30	30
624-L24D	L	1"	24"	B	30	30

T-Drill® is a registered trademark of T-Drill Industries Inc.

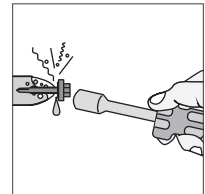


Bullet™

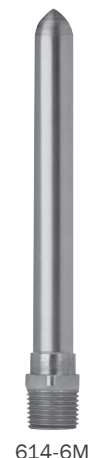
Wet Test Stub Out

- Perfect for double-checking crossed hot and cold water lines
- Excellent way to flush lines before testing

5/16" galvanized steel hex head screw with built in gasket allows for bleedable waterline tests.



Item No	Copper Type	CTS	Length	Pkg	Min Qty	Case Qty
622-L08W	L	1/2"	8"	B	100	100

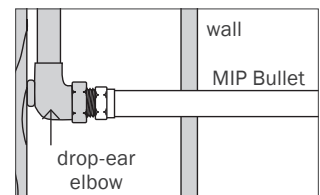


Bullet™

1/2" MIP Stub Out

- Use permanently or for temporary tub/shower valve stub out test
- Lead-free solder joint

Perfect for tub spout nipples.



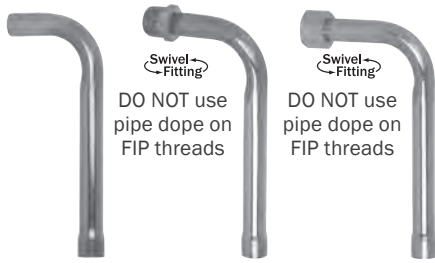
Item No	CTS	Length	Pkg	Min Qty	Case Qty
614-6M	1/2"	6 1/2"	B	50	50
614-8L	1/2"	8 1/2"	B	50	50
614-6MPK	1/2"	6 1/2"	C*	50	50



“Because of your commitment to America I can assure you we will give Sioux Chief preferential consideration when purchasing inventory for our facility. I appreciate both your patriotism and your loyalty to the people of our great country.”

Russ Knight, VP
Gulf Coast Plumbing and Electrical Supply Inc.

SUPPLY

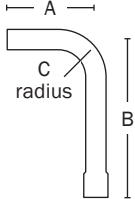


609-L263A 609-L263X 609-L263Y

Tub/Shower Pressure Connector

- Long radius bend for better flow and less noise
- MIP and FIP connections mean no soldering
- Easy swivel thread installation
- Made from Type L copper tube

DRAINAGE



Item No	Connection	Dimensions			NO LEAD	Pkg	Min Qty	Case Qty
		A	B	C				
609-L263A	1/2" male sweat × 1/2" female sweat	2 1/4"	6"	1 1/4"	✓	B	50	50
609-L27	1/2" male sweat × 1/2" female sweat	1 1/2"	7"	1"	✓	B	50	50
609-L263X	1/2" MIP swivel × 1/2" female sweat	3"	6"	1 1/4"		B	50	50
609-L263Y	1/2" FIP swivel × 1/2" female sweat	3"	6"	1 1/4"	✓	B	50	50
608-L263A	1/2" male sweat × 1/2" male sweat	2 1/4"	6"	1 1/4"	✓	B	50	50

SUPPORT

Shower Riser Fitting

- Male Sweat Connection
- MIP Swivel Connection
- FIP Swivel Connection

- Sweat into standard tub/shower valves
- MIP and FIP swivel means no soldering
- Made from Type L copper tube
- Square O strap is crimped onto tube

APPENDIX



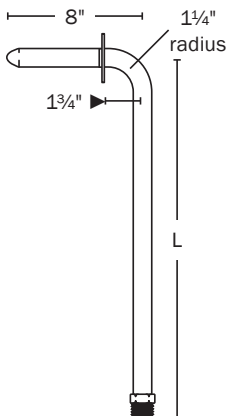
DO NOT use pipe dope on FIP threads

DO NOT use pipe dope on FIP threads

608-L2308EY

608-L2308X

616-630



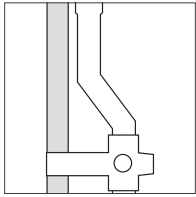
Related Products

- Strong Arm with Shower WallNut™ Lock Block p 453
- ShowerUp™ Kits p 202

Item No	Connection	Square O Strap	Length	NO LEAD	Pkg	Min Qty	Case Qty
MALE SWEAT							
616-630	1/2" male sweat × drop-ear		30"	✓	B	50	50
616-648	1/2" male sweat × drop-ear		48"	✓	B	12	12
616-650	1/2" male sweat × drop-ear		50"	✓	B	25	25
608-L2308	1/2" male sweat × stub out elbow		30"	✓	B	25	25
608-L2488	1/2" male sweat × stub out elbow		48"	✓	B	25	25
608-L2508	1/2" male sweat × stub out elbow		50"	✓	B	25	25
608-L2308E	1/2" male sweat × stub out elbow	✓	30"	✓	B	25	25
608-L2488E	1/2" male sweat × stub out elbow	✓	48"	✓	B	25	25
608-L2508E	1/2" male sweat × stub out elbow	✓	50"	✓	B	25	25
MIP SWIVEL							
616-630X	1/2" MIP swivel × drop-ear		30"		B	50	50
616-650X	1/2" MIP swivel × drop-ear		50"		B	25	25
608-L2308X	1/2" MIP swivel × stub out elbow		30"		B	25	25
608-L2508X	1/2" MIP swivel × stub out elbow		50"		B	25	25
608-L2308EX	1/2" MIP swivel × stub out elbow	✓	30"		B	25	25
608-L2508EX	1/2" MIP swivel × stub out elbow	✓	50"		B	25	25
FIP SWIVEL							
616-630Y	1/2" FIP swivel × drop-ear		30"	✓	B	50	50
616-650Y	1/2" FIP swivel × drop-ear		50"	✓	B	25	25
608-L2308Y	1/2" FIP swivel × stub out elbow		30"	✓	B	25	25
608-L2508Y	1/2" FIP swivel × stub out elbow		50"	✓	B	25	25
608-L2308EY	1/2" FIP swivel × stub out elbow	✓	30"	✓	B	25	25
608-L2508EY	1/2" FIP swivel × stub out elbow	✓	50"	✓	B	25	25

Offset Riser Fitting

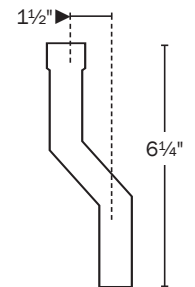
- Saves three solder joints
- Made from Type L copper tube



Connect a pressure balancing valve, which requires an offset, to the shower riser in one simple fitting.



616-15



Item No	Connection	Pkg	Min Qty	Case Qty
616-15	1/2" male sweat x 1/2" female sweat	B	25	25



Brass Ball Valve

Female Sweat Connection

- Full port ball valve
- Chrome-plated ball, blowout-proof stem
- ANSI/NSF 61
- C-377 forged brass



105-23

Item No	Connection	Pkg	Min Qty	Case Qty
FULL PORT				
104-22	1/2" FSWT	B	10	120
104-23	3/4" FSWT	B	10	90
104-24	1" FSWT	B	6	60
FULL PORT WITH DRAIN				
105-22	1/2" FSWT	B	10	120
105-23	3/4" FSWT	B	10	60
105-24	1" FSWT	B	6	36





648-83

Brass Ball Valve

Press-Fitting Connection

- Chrome-plated ball, blowout-proof stem
- Lead-free solder joint
- ANSI/NSF 61
- C-377 forged brass

Related Products

Fit Quick coupling

p 212



Item No	Connection	Length	Pkg	Min Qty	Case Qty
648-82	1/2" press-fitting	6 1/8"	B	10	10
648-83	3/4" press-fitting	7 1/4"	B	10	10
648-84	1" press-fitting	8 1/2"	B	10	10



111-23

Brass Stop & Waste Valve

Female Sweat Connection

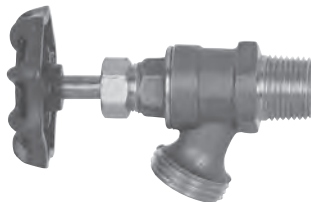
- Brass valve body with stuffing box, neoprene seals
- ANSI/NSF 61

Item No	Connection	Pkg	Min Qty	Case Qty
111-22	1/2" FSWT	B	10	100
111-23	3/4" FSWT	B	10	100

Brass Boiler Drain

MIP × Female Sweat Connection

- Male hose thread spout
- With stuffing box
- ANSI/NSF 61
- Neoprene seal



113-33

Item No	Description	Pkg	Min Qty	Case Qty
113-32	1/2" MIPs × 1/2" FSWT	B	10	10
113-33	3/4" MIPs	B	10	100

Sillcock

Standard

- Larger 2¼" diameter mounting flange with easy to use pilot holes



117-22

Item No	Description	Pkg	Min Qty	Case Qty
STANDARD SILLCOCK				
117-22	½" FSWT sillcock	B	10	100

Frost-Proof† Anti-Siphon Sillcock

Standard Valve

- Longer stem keeps knuckles from scraping on hose threads
- Thicker, easier turning handle
- Nickel-plated brass body with black metal handle
- Spout aligning lug
- Female sweat model has 6" of full-slip and compression connection includes 3" of full-slip



118-210

¼-Turn

- Extended tailpiece for ease of installation
- Extra-large mounting flange
- Spout alignment feature
- Nickel-plated brass body
- ANSI/NSF 61 listed



118-210PK



119-210CPK

Item No	Connection	Length	Pkg	Min Qty	Case Qty
STANDARD					
118-204	½" MIP × ½" FSWT	4"	B	2	40
118-206	½" MIP × ½" FSWT	6"	B	2	40
118-208	½" MIP × ½" FSWT	8"	B	2	40
118-210	½" MIP × ½" FSWT	10"	B	2	40
118-210PK	½" FSWT, full-slip	10"	C*	5	5
118-212	½" MIP × ½" FSWT	12"	B	2	40
¼-TURN					
119-204	½" MIP × ½" FSWT	4"	B	1	25
119-206	½" MIP × ½" FSWT	6"	B	1	25
119-208	½" MIP × ½" FSWT	8"	B	1	25
119-210	½" MIP × ½" FSWT	10"	B	1	25
119-210PK	½" FSWT, full-slip	10"	C*	5	5
119-212	½" MIP × ½" FSWT	12"	B	1	25
119-210CPK	⅝" O.D. compression	10"	C*	5	5

† As with all frost-proof hydrants, removal of hose is required to insure against freezing and breaking.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



118-01



119-01



118-0908



118-07



119-0904



119-03



119-10



119-07



118-08

Frost-Proof Sillcock Replacement Parts

For 118 and 119 Series

- Be sure to measure the stem you are replacing to guarantee correct replacement length

Item No	Description	Pkg	Min Qty	Case Qty
118 SERIES ONLY				
118-01	Sillcock handle, die cast	B	12	12
118-02	Handle screw	B	12	12
118-03	Faceplate and stem packing washers	B	1	1
118-04	Stem packing	B	12	12
118-05	Neoprene seat washer	B	12	12
118-06	Seat washer screw	B	1	1
118-07	Stem bottom assembly parts: S.S. spring, o-ring, spring seat, flat gasket, retainer cup, stem packing, seat screw	B	1	1
118-08	Vacuum breaker repair kit: cap, plunger, o-ring	B	1	1
118-0904	4" complete stem assembly: includes stem bottom assembly	B	1	1
118-0906	6" complete stem assembly: includes stem bottom assembly	B	1	1
118-0908	8" complete stem assembly: includes stem bottom assembly	B	1	1
118-0910	10" complete stem assembly: includes stem bottom assembly	B	1	1
118-0912	12" complete stem assembly: includes stem bottom assembly	B	1	1
119 SERIES ONLY				
119-00	Gray flange	B	1	25
119-01	Handle assembly and screw	B	1	10
119-03	Packing nut	B	1	10
119-04	Packing	B	1	25
119-07	Cartridge assembly	B	1	100
119-08	Vacuum breaker kit	B	1	6
119-08C	Vacuum breaker cap, chrome-plated	B	1	6
119-10	Jam nut	B	1	6
119-0904	4" stem, 5½" total length	B	1	10
119-0906	6" stem, 7½" total length	B	1	10
119-0908	8" stem, 9½" total length	B	1	10
119-0910	10" stem, 11½" total length	B	1	10
119-0912	12" stem, 13½" total length	B	1	10

Vacuum Breaker

¾" Hose Thread Connection

- Solid machined brass



117-03

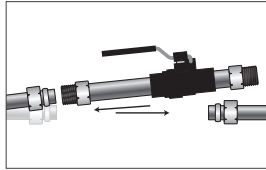


Item No	Connection	Pkg	Min Qty	Case Qty
117-03	¾" female hose thread × ¾" male hose thread	B	20	240

Replace-A-Valve™

Full-Port Ball Valve
Sweat or Compression Connection

- 1/2" and 3/4" full-slip tailpieces for easy installation
- Sweat or compression models
- Full-port ball valves



Easy full-slip installation. Perfect for replacing leaking or corroded valves, or valves that have seized up.



600-204V



600-204CV

SUPPLY

DRAINAGE

SUPPORT

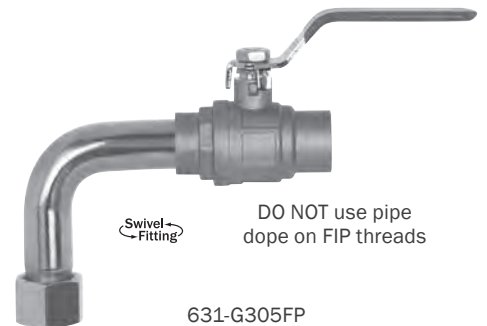
APPENDIX

Item No	Connection	Length	NO LEAD	Pkg	Min Qty	Case Qty
SWEAT						
600-204V	1/2" CTS x 1/2" CTS, clamshell	6 1/4"		C*	10	10
600-304V	3/4" CTS x 3/4" CTS, clamshell	7"		C*	10	10
COMPRESSION						
600-204CV	1/2" CTS x 1/2" CTS, clamshell	9 3/8"		C*	10	10
600-304CV	3/4" CTS x 3/4" CTS, clamshell	10 1/2"		C*	10	10
LEAD-FREE SWEAT						
600-G204V	1/2" CTS x 1/2" CTS, individually boxed	6 1/4"	✓	C*	10	10
600-G304V	3/4" CTS x 3/4" CTS, individually boxed	10 1/2"	✓	C*	10	10
LEAD-FREE COMPRESSION						
600-G204CV	1/2" CTS x 1/2" CTS, clamshell	9 3/8"	✓	C*	10	10
600-G304CV	3/4" CTS x 3/4" CTS, clamshell	10 1/2"	✓	C*	10	10

Water Heater Connector

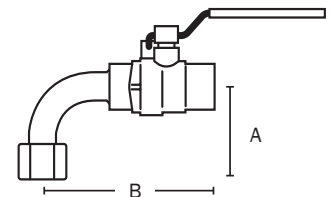
FIP x Female Sweat Elbow

- Brass full-port ball valve available
- Brass FIP swivel nut includes gasket
- For use on shower risers and tub spouts, non-pressure fitting applications



631-G305FP

Item No	Connection	Dimensions		Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
		A	B					
631-G305FP	3/4" FIP swivel x 3/4" FSWT	3"	5"	✓	✓	B	25	25
631-33F	3/4" FIP swivel x 3/4" FSWT	3"	3"	✓	✓	B	25	25



SUPPLY

DRAINAGE



633-306FP

DO NOT use pipe dope on FIP threads

Water Heater Connector

FIP × Female Sweat Straight Fitting

- Brass full-port ball valve
- Brass FIP swivel nut includes gasket

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633-306FP	¾" FIP swivel × ¾" FSWT	5"	✓	B	10	10

SUPPORT



646-306FP

Water Heater Connector

MIP × Female Sweat Straight Fitting

- Brass full-port ball valve

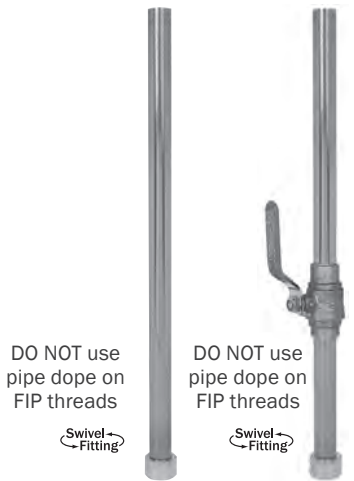
Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
646-306FP	¾" MIP × ¾" FSWT	5"	✓	B	10	10

APPENDIX

Water Heater Connector

FIP × ¾" Male Sweat Straight Fitting

- ¾" male sweat connection for use with press-fit or push-fit connection
- Brass FIP swivel nut includes gasket
- Ideal for new installations and water heater replacement



633-318

633-318FP

Related Products
Fit Quick coupling

p 212



Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633-318	¾" FIP swivel × ¾" MSWT	18"	✓		B	10	10
633-318FP	¾" FIP swivel × ¾" MSWT	18"	✓		B	10	10

Water Heater Connector

FIP × Full-Slip Female Sweat Straight Fitting

- 1/2" and 3/4" full-slip fittings slide over existing tube for quick and easy installation of replacement water heaters
- Brass FIP swivel nut includes gasket
- New 1/2" full-slip models ideal for repair jobs

Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633-212	3/4" FIP swivel × 1/2" full-slip FSWT	12"	✓		B	10	10
633-312	3/4" FIP swivel × 3/4" full-slip FSWT	12"	✓		B	25	25
633-4312	1" FIP swivel × 3/4" full-slip FSWT	12"	✓		B	25	25
633-212FP	3/4" FIP swivel × 1/2" full-slip FSWT	12"	✓		B	10	10
633-G312FP	3/4" FIP swivel × 3/4" full-slip FSWT	12"	✓	✓	B	10	10
633-4312FP	1" FIP swivel × 3/4" full-slip FSWT	12"	✓		B	25	25
633-318FPT	3/4" FIP swivel × 3/4" full-slip FSWT with 3/4" FIP branch	18"	✓		B	20	20



DO NOT use pipe dope on FIP threads

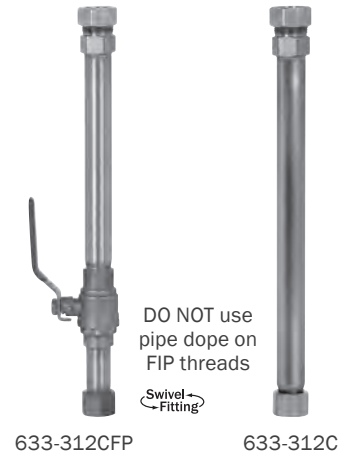
SUPPLY

DRAINAGE

Water Heater Connector

FIP × Full-Slip Compression Straight Fitting

- Full-slip 7/8" compression fitting slides over existing tube for quick and easy installation of replacement water heaters
- Full-port ball valve available
- Compression connection does not require water to be completely drained before new installation
- Brass FIP swivel nut includes gasket



DO NOT use pipe dope on FIP threads

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633-312C	3/4" FIP swivel × 7/8" compression	12"		B	25	25
633-312CFP	3/4" FIP swivel × 7/8" compression	12"	✓	B	25	25

SUPPORT

APPENDIX

NEW Water Heater Connector

Dielectric Union × Full-Slip Straight Fitting

- Full-slip 7/8" compression fitting slides over existing tube for quick and easy installation of replacement water heaters
- Full-port ball valve available

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633-716	3/4" Dielectric end × 3/4" full-slip FSWT	16"		B	10	10
633-G716FP	3/4" Dielectric end × 3/4" full-slip FSWT	16"	✓	B	10	10
633-7416	1" Dielectric end × 3/4" full-slip FSWT	16"		B	10	10
633-G7416FP	1" Dielectric end × 3/4" full-slip FSWT	16"	✓	B	10	10



NO LEAD

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Water Heater Connector

FIP × FIP Swivel Flexible Fitting

FIP × Female Sweat Flexible Fitting

- Flexible copper fitting provides easy connection
- Brass FIP swivel nut includes gasket

DO NOT use pipe dope on FIP threads



634-115

DO NOT use pipe dope on FIP threads



634-315

Related Products

Fit Quick 1/2" and 3/4" Push-fitting × MIP adapters p 213
Water Heater Connector Kits p 203



Item No	Connection	Length	Pkg	Min Qty	Case Qty
NEW 634-112	3/4" FIP × 3/4" FIP swivel	12"	B	12	12
NEW 634-112PK1	3/4" FIP × 3/4" FIP swivel	12"	C*	12	12
NEW 634-112PK5	3/4" FIP × 3/4" FIP swivel	12"	C*	5	5
634-115	3/4" FIP swivel × 3/4" FIP swivel	15"	B	12	12
NEW 634-115PK1	3/4" FIP × 3/4" FIP swivel	15"	C*	12	12
634-118	3/4" FIP swivel × 3/4" FIP swivel	18"	B	12	12
NEW 634-118PK1	3/4" FIP × 3/4" FIP swivel	18"	C*	12	12
NEW 634-118PK5	3/4" FIP × 3/4" FIP swivel	18"	C*	5	5
NEW 634-124	3/4" FIP × 3/4" FIP swivel	24"	B	12	12
NEW 634-124PK1	3/4" FIP × 3/4" FIP swivel	24"	C*	12	12
NEW 634-124PK5	3/4" FIP × 3/4" FIP swivel	24"	C*	5	5
634-315	3/4" FIP swivel × 3/4" FSWT	15"	B	12	12
634-318	3/4" FIP swivel × 3/4" FSWT	18"	B	12	12
NEW 634-324	3/4" FIP × 3/4" FSWT swivel flex	24"	C*	12	12

NO LEAD

Water Heater Connector

Expansion Tank

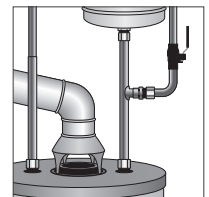
- Brass FIP swivel nut includes gasket
- Soldered saddle branch is 3/4" MIP thread
- Made from Type L copper tube

DO NOT use pipe dope on FIP threads



633-G3TM15

Soldered 3/4" MIP saddle branch connects to any FIP fitting.



NO LEAD

Item No	Connection	Length	Pkg	Min Qty	Case Qty
633-G3TM11	3/4" × 3/4" FIP swivel, with 3/4" MIP branch	11"	B	25	25
633-G3TM15	3/4" × 3/4" FIP swivel, with 3/4" MIP branch	15"	B	25	25
633-G4TM11	1" × 3/4" FIP swivel, with 3/4" MIP branch	11"	B	25	25
633-G4TM15	1" × 3/4" FIP swivel, with 3/4" MIP branch	15"	B	25	25

Dielectric Connector

- Zinc-plated casing, inert thermoplastic waterway



635-33

Item No	Connection	Length	Pkg	Min Qty	Case Qty
635-32	3/4" MIP	2"	B	25	25
635-33	3/4" MIP	3"	B	25	25
635-36	3/4" MIP	6"	B	25	25
635-43	1" MIP	3"	B	25	25

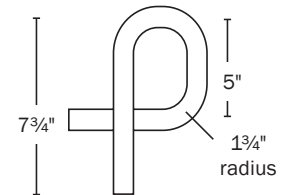
Heat Trap Loop

- Retains heat in the water heater to save energy
- Preformed loops save installation time
- Made from Type L copper tube



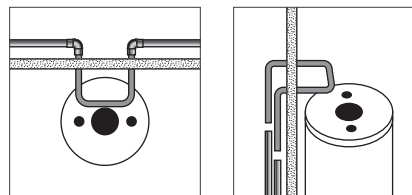
636-3TR

Item No	Description	Connection	Pkg	Min Qty	Case Qty
636-3TR	270° loop	3/4" MSWT × 3/4" MSWT	B	25	25



Water Heater Stub Out Loop

- Preformed copper loop bypasses water heater before test
- Made from Type L copper tube



Easily hooks up to the water heater.
8" centers align perfectly with water heater connections.

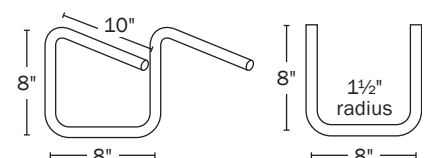


636-3L10888



636-L3888

Item No	Description	Pkg	Min Qty	Case Qty
636-L3888	3/4" male sweat	B	25	25
636-3L10888	3/4" male sweat	B	10	10
636-4L10888	1" male sweat	B	10	10





601-20CV



601-22CVM



601-22VX



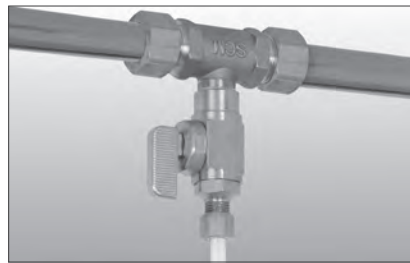
601-22



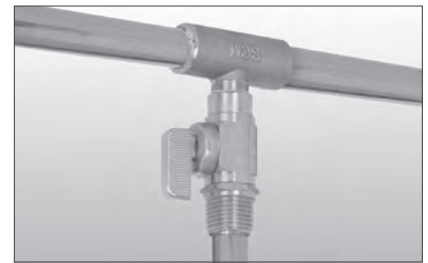
Add-A-Line™

Full-Slip Valve Tee

- New one-piece forged brass compression and sweat tee body
- 5/8" or 7/8" O.D. compression trunks provide easy and totally torchless installations
- 1/2" or 3/4" full-slip sweat trunks
- Adding water lines has never been easier
- Perfect for adding humidifiers, dishwashers, ice makers or any new water line
- Quality brass ball valve replaces cheap saddle valves that leak and clog
- Attractive, clamshell packaging in a white cut case carton for peg hooks, counters or shelf displays



Compression trunks are perfect for adding lines near HVAC or plastic drainage pipe that might get damaged by a soldering torch.



Our FSWT/MIP ball valve model has a versatile connection with both 1/2" MIP threads and 1/2" female sweat in one tee.

Item No	Description (Trunk x Tee)	Pkg	Min Qty	Case Qty
COMPRESSION TRUNK				
601-20CV	5/8" O.D. compression x 1/4" O.D. compression, clamshell	C*	6	6
601-30CV	7/8" O.D. compression x 1/4" O.D. compression, clamshell	C*	6	6
601-21CV	5/8" O.D. compression x 3/8" O.D. compression, clamshell	C*	6	6
601-31CV	7/8" O.D. compression x 3/8" O.D. compression, clamshell	C*	6	6
601-22CVM	5/8" O.D. compression x 1/2" FSWT/MIP thread, clamshell	C*	6	6
601-32CVM	7/8" O.D. compression x 1/2" FSWT/MIP thread, clamshell	C*	6	6
601-22CVX	5/8" O.D. compression x 1/2" PEX barb, clamshell	C*	6	6
601-32CVX	7/8" O.D. compression x 1/2" PEX barb, clamshell	C*	6	6
SWEAT TRUNK				
601-20V	1/2" female sweat x 1/4" O.D. compression, clamshell	C*	6	6
601-30V	3/4" female sweat x 1/4" O.D. compression, clamshell	C*	6	6
601-21V	1/2" female sweat x 3/8" O.D. compression, clamshell	C*	6	6
601-31V	3/4" female sweat x 3/8" O.D. compression, clamshell	C*	6	6
601-22VM	1/2" female sweat x 1/2" FSWT/MIP thread, clamshell	C*	6	6
601-32VM	3/4" female sweat x 1/2" FSWT/MIP thread, clamshell	C*	6	6
601-22VX	1/2" female sweat x 1/2" PEX barb, clamshell	C*	6	6
601-32VX	3/4" female sweat x 1/2" PEX barb, clamshell	C*	6	6
SWEAT TRUNK WITHOUT VALVE				
601-22	1/2" female sweat x 1/2" male sweat	C*	10	10
601-32	3/4" female sweat x 1/2" male sweat	C*	10	10

Add-A-Line™

Ice Maker Kits

- One-piece forged brass compression tee body
- 5/8" and 7/8" O.D. compression trunks provide easy and totally torchless installations
- Adding water lines to the ice maker has never been easier
- 25-foot coil of 1/4" O.D. plastic tube included
- Quality brass ball valve replaces cheap saddle valves that leak and clog
- Attractive, hangable clamshells

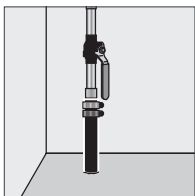


601-30CVPK

Item No	Description (Trunk x Tee)	Pkg	Min Qty	Case Qty
601-20CVPK	5/8" O.D. compression x 1/4" O.D. compression, 25 ft of 1/4" O.D. plastic tube, clamshell	C*	5	5
601-30CVPK	7/8" O.D. compression x 1/4" O.D. compression, 25 ft of 1/4" O.D. plastic tube, clamshell	C*	5	5

Water Service Connectors

- 646 series connects to 1" polyethylene water service pipe (ASTM D-2239) with brass IPS-ID insert barb
- 692-1308 has a heavy duty brass nut that includes gasket



646 series installs with two stainless steel hose clamps per pipe manufacturer's instructions.



646-GP4312FD



692-1308

Item No	Connection	Ball Valve	NO LEAD	Drain	Length	Pkg	Min Qty	Case Qty
POLY WATER SERVICE CONNECTOR								
646-GP4312FP	1" IPS-ID barb x 3/4" MIP	✓	✓		12"	B	25	25
646-GP4312FD	1" IPS-ID barb x 3/4" MIP	✓	✓	✓	12"	B	25	25
646-GP4412FP	1" IPS-ID barb x 1" MIP	✓	✓		12"	B	25	25
646-GP4412FD	1" IPS-ID barb x 1" MIP	✓	✓	✓	12"	B	25	25
WATER METER EXTENSION NIPPLE								
692-1308	3/4" MIP x swivel water meter thread				8"	B	25	25

ShowerUp™ Kits

Sweat Connection

- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



693-01226108

Related Products

Build your own kit

p 262

Item No	Components	Bulk Item No	NO LEAD	Pkg	Min Qty	Case Qty
693-01226108	no tub spout elbow	—				
	6" x 3" MIP swivel x FSWT pressure connectors	609-L263X				
	½" MIP swivel x spun, 30" x 8" stub out elbow	608-L2308X		B*	12	12
	16" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	525-24WLB 523-2424				
693-01226301	no tub spout elbow	—				
	6" x 3" MIP swivel x FSWT pressure connectors	609-L263X				
	½" MIP swivel x spun, 50" x 8" stub out elbow	608-L2508X		B*	12	12
	24" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	525-16WLB 523-2434				
693-12213203	6" x 7" MSWT tub spout elbow	613-67				
	6" x 2¼" MSWT x FSWT pressure connectors	609-L263A				
	½" MSWT x drop ear 90, 50"	616-650	✓	B*	12	12
	Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	523-2404 523-2434				
693-03226107	6" x 7" MIP swivel tub spout elbow	613-67X				
	6" x 3" MIP swivel x FSWT pressure connectors	609-L263X				
	½" MIP swivel x spun, 30" x 8" stub out elbow	608-L2308X		B*	12	12
	24" Strong Arm, Shower WallNut Lock Block, Power Bar w/4 screws, 3TD clamp, 4 screws	525-24WLB 523-2434				
693-32234403	6" x 7" FIP swivel tub spout elbow	613-67Y				
	6" x 3" FIP swivel x FSWT pressure connectors	609-L263Y				
	½" FIP swivel x drop ear 90, 50"	616-650Y		B*	12	12
	Power Bar w/6 screws, Power Bar 3TD clamp, 4 screws	523-2404 523-2434				

Water Heater Connector Kits

Sweat Connection

- Pre-manufactured assemblies
- Maintains the necessary 18" distance from plastic tubing

Related Products

Build your own kit

p 271

Item No	Components	Bulk Item No	Pkg	Min Qty	Case Qty
NEW 694-G21012091	3/4" FIP Swivel x 3/4" full-slip FSWT 3/4" FIP Swivel x 3/4" full Slip FSWT, ball valve 3/4" x 3/4" FIP Swivel w/ 3/4" MIP branch	633-312 631-G305FP 633-G3TM15	B*	10	10
NEW 694-G21012391	3/4" FIP Swivel x 3/4" full-slip FSWT 3/4" FIP Swivel x 3/4" full Slip FSWT, ball valve Two 3/4" x 3/4" dielectric nipples 3/4" x 3/4" FIP Swivel w/ 3/4" MIP branch	633-312 631-G305FP 635-33 633-G3TM15	B*	10	10
694-G211120	3/4" FIP swivel x 3/4" full-slip FSWT 3/4" FIP swivel x 3/4" full-slip FSWT, ball valve	633-312 633-G312FP	B*	10	10
694-G211123	3/4" FIP swivel x 3/4" full-slip FSWT 3/4" FIP swivel x 3/4" full-slip FSWT, ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples	633-312 633-G312FP 635-33	B*	10	10
NEW 694-G221224	1" FIP swivel x 3/4" full-slip FSWT 1" FIP swivel x 3/4" full-slip FSWT, ball valve Two 1" MIP x 1" MIP dielectric nipples	633-4312 633-G4312FP 635-43	B*	10	10
NEW 694-G858520	3/4" Dielectric end x 3/4" full-slip FSWT 3/4" Dielectric end x 3/4" full-slip FSWT, ball-valve	633-G716FP 633-G716FP	B*	10	10
NEW 694-G868620	1" Dielectric end x 3/4" full-slip FSWT 1" Dielectric end x 3/4" full-slip FSWT, ball-valve	633-G7416FP 633-G7416FP	B*	10	10



694-G211120

DO NOT use pipe dope on FIP threads



SUPPLY

DRAINAGE

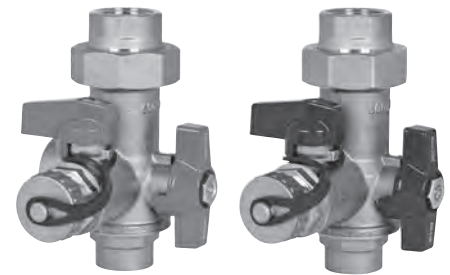
SUPPORT

APPENDIX

All-Brass Tankless Water Heater Stub Out Kit

Sweat and Threaded Connection

- Forged brass bodies
- 600 WOG full-port valve
- Integral 1/4-turn drain valve with cap
- 3/4" hot connector has integral 3/4" FIP port for pressure relief valve
- 1" hot connector has integral 3/4" MIP port for pressure relief valve
- Fits most tankless water heaters
- Available with or without pressure-only relief valve
- Pressure-only relief valve rated at 150 PSI at 500,000 BTU/hr
- Push-fit models for reduced labor



690-0145



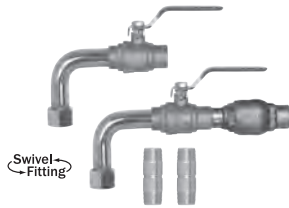
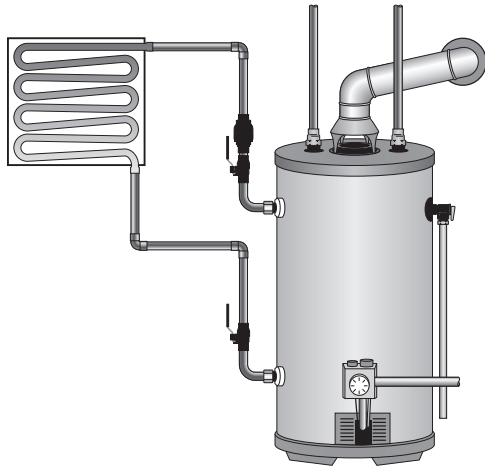
690-2045

Item No	Description	Pkg	Min Qty	Case Qty
FEMALE SWEAT x UNION CONNECTIONS				
690-0145	3/4" hot and cold connectors	B*	1	9
690-0175	3/4" hot and cold connectors with pressure valve	B*	1	1
690-4045	1" hot and cold connectors	B*	1	1
FIP THREAD x UNION CONNECTIONS				
690-2045	3/4" hot and cold connectors	B*	1	1
690-2075	3/4" hot and cold connectors with pressure valve	B*	1	9
690-5055	1" hot and cold connectors	B*	1	1

SUPPLY

DRAINAGE

SUPPORT



636-31308FK

Heating Coil Loop Kit

Supply and Return Loop Connectors

- For use with high recovery hydronic systems. Preformed supply and return loop connectors provide easy installation

Sweat System

Component	Supply Loop Elbow	Return Loop Elbow	Dielectric Connector
Standard Kit	3/4" FIP swivel x 3/4" FSWT, full-port ball valve	3/4" FIP swivel x 3/4" FSWT, full-port ball valve	Two 3/4" MIP x 3/4" MIP, 3" long
Check Valve Kit	3/4" FIP swivel x 3/4" FSWT, full-port ball valve, with spring-loaded check valve	3/4" FIP swivel x 3/4" FSWT, full-port ball valve	Two 3/4" MIP x 3/4" MIP, 3" long

Item No	Description	Pkg	Min Qty	Case Qty
SWEAT				
636-31305F	Standard heating coil loop kit	B*	10	10
636-31308FK	Check valve heating coil loop kit	B*	10	10

APPENDIX



BranchMaster™

1/2" Male Sweat Branches

1" Male Sweat x 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Press-fitting compatible

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
678-20344	3	1/2" male sweat	B	10	10
678-20644	6	1/2" male sweat	B	10	10
678-21244	12	1/2" male sweat	B	10	10



BranchMaster™

1/2" Male Sweat Branches

1" Male Sweat x 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center (unless noted)
- Press-fitting compatible

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66



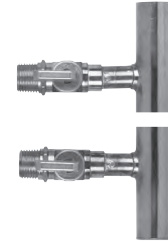
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
678-20242	2	1/2" male sweat	B	10	10
678-20342	3	1/2" male sweat	B	10	10
678-20442	4	1/2" male sweat	B	10	10
6784L-11313	11	1/2" male sweat, 3" O.C.	B	5	5

BranchMaster™

**1/2" MIP/Female Sweat
Ball Valve Branches**

1" Male Sweat × 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-V20244	2	1/2" MIP/female sweat ball valve	B	1	10
675-V20344	3	1/2" MIP/female sweat ball valve	B	1	10
675-V20444	4	1/2" MIP/female sweat ball valve	B	1	10
675-V20544	5	1/2" MIP/female sweat ball valve	B	1	10

BranchMaster™

1/2" MIP Branches

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

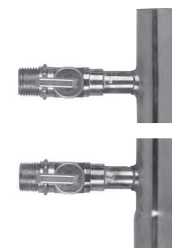
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-20242	2	1/2" MIP	B	10	10
675-20342	3	1/2" MIP	B	10	10
675-20442	4	1/2" MIP	B	10	10

BranchMaster™

**1/2" MIP/Female Sweat
Ball Valve Branches**

1" Male Sweat × 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-V20242	2	1/2" MIP/female sweat ball valve	B	1	10
675-V20342	3	1/2" MIP/female sweat ball valve	B	1	10
675-V20442	4	1/2" MIP/female sweat ball valve	B	1	10

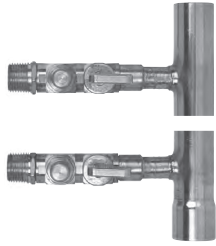
SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY



BranchMaster™

1/2" MIP/Female Sweat Balancing Valve Branches

1" Male Sweat x 1" Female Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications

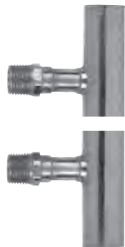
More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-B20242	2	1/2" MIP/female sweat balancing valve	B	1	12
675-B20342	3	1/2" MIP/female sweat balancing valve	B	1	10
675-B20442	4	1/2" MIP/female sweat balancing valve	B	1	10

DRAINAGE

SUPPORT

APPENDIX



BranchMaster™

1/2" MIP Branches

1" Male Sweat x 1" Male Sweat Trunk

- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-20244	2	1/2" MIP	B	10	10
675-20344	3	1/2" MIP	B	10	10
675-20444	4	1/2" MIP	B	10	10
675-20544	5	1/2" MIP	B	10	10

BranchMaster™

3/4" Male Sweat Branches

1 1/4" Male Sweat x 1 1/4" Male Sweat Trunk

- Branches are 3" on-center
- 1 1/4" Type L copper trunk
- Press-fitting compatible

More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66



Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
6795L-12333	12	3/4" male sweat	B	1	5

BranchMaster™
3/4" Male Sweat Branches
1 1/2" Male Sweat ×
1 1/2" Male Sweat Trunk

- Branches are 3" on-center
- 1 1/2" Type L copper trunk
- Press-fitting compatible



More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
6796L-12333	12	3/4" male sweat	B	1	5



SUPPLY

DRAINAGE

BranchMaster™
3/4" Male Sweat Branches
2" Male Sweat × 2" Male Sweat Trunk

- Branches are 3" on-center
- 2" Type L copper trunk
- Press-fitting compatible



More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
6797L-12333	12	3/4" male sweat	B	1	4



SUPPORT

APPENDIX

BranchMaster™
3/4" Female Sweat Branches
1 1/4" Male Sweat ×
1 1/4" Male Sweat Trunk

- Branches are 4" on-center
- 1 1/4" Type L copper trunk
- Press-fitting compatible



More Radiant Heat Manifolds are within F1807 PEX
 See BranchMaster™ Manifold information p 66

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
67745L-08334	8	3/4" female sweat	B	1	5



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



677-11

BranchMaster™ Manifold Endpiece

- 1" Type L copper trunk
- 1/8" FIP and 1/2" FIP branches
- Outlets connect to gauges, valves or service points
- Perfect for radiant heat manifold application

Item No	Branch Qty	Trunk Ends	Pkg	Min Qty	Case Qty
677-11	2	1" female sweat × spin closed	B	1	10
677-116	2	1½" female sweat × spin closed	B	1	10
677-117	2	2" female sweat × spin closed	B	1	10

TouchDown™

» See page 430

- Clamps 1/4" - 1" CTS (Copper, PEX, or CPVC) tube and 1/8" - 1" Sch. 40 pipe
- Option Pipe Down noise absorption blocks available
- E84 models meet ASTM E84 25/50 Flame/Smoke Spread and UL94 V-) flame rating



CONSIDER SIOUX CHIEF AS YOUR

**ROUGH
PLUMBING
ARMORY**

TOGETHER, WE WILL TAKE THE FIELD.

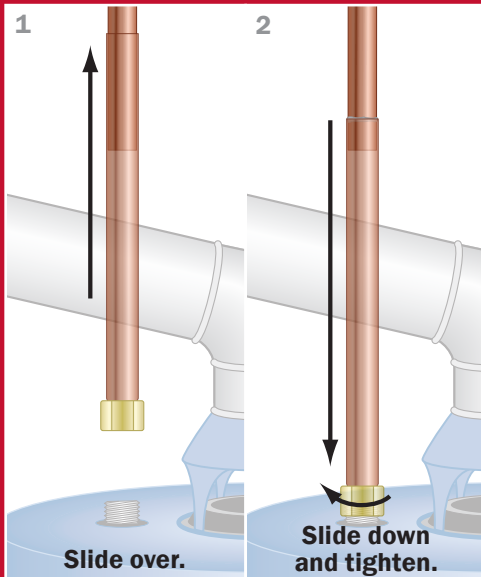
» SUPPORT > SUPPLY HANGERS > TouchDown

Water Heater Connectors

NEW



FULL-SLIP



- **FASTER**

Pre-fabricated water heater connectors are perfect for new construction and repair/replacement installations

- **EASIER**

Buy water heater connectors in bulk or in kits. Sioux Chief offers cold, hot and expansion tank connection options

- **SUPERIOR**

Build your own custom kit to fit your exact project requirements

Kits available for tankless water heaters and heating coil loop

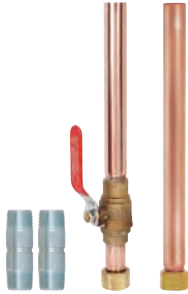


Supply • Drainage • Support • Testing • Specialties • Tools • Access

Sioux Chief 
MANUFACTURING SINCE 1957

Sioux Chief Water Heater Connectors

Sioux Chief Water Heater Connectors allow for fast and easy water heater installations for copper, PEX or CPVC piping systems. Contractors no longer need to pre-fab water heater connectors in the shop or field. Be sure to follow all local plumbing codes for water heater installation.



Copper System

Full-slip female sweat, full-slip compression



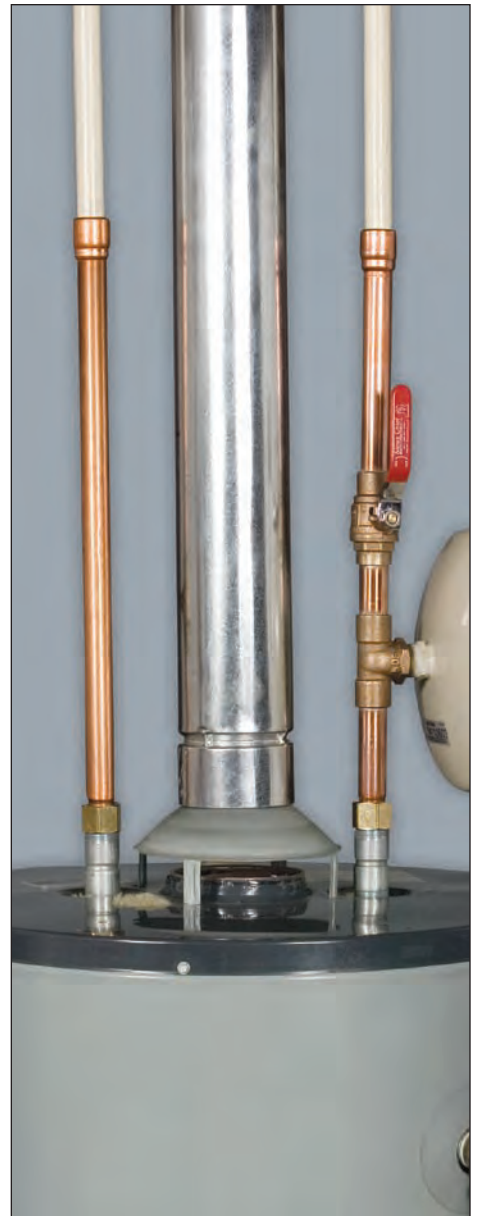
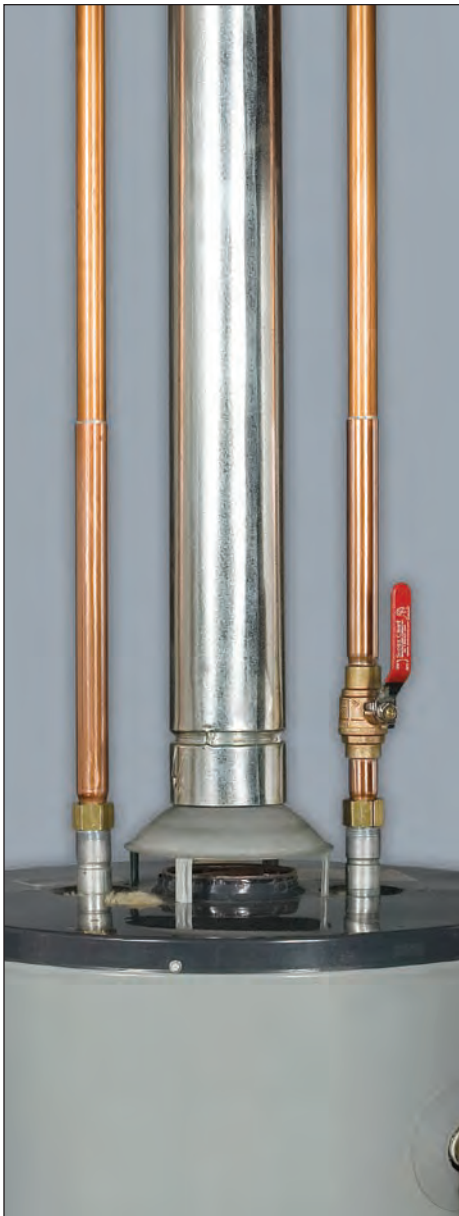
PEX System

PEX F1807, PEX F1960,
Viega PEX Press, PEX F2080



CPVC System

CPVC socket

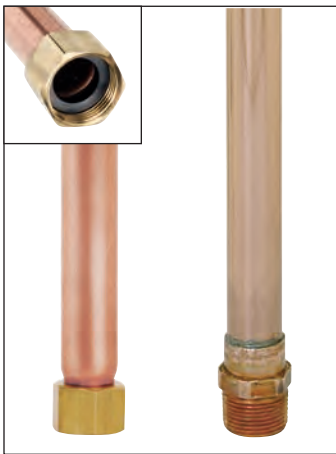


Features

- **Adjustable to different heights** New heaters are never the same height as the old ones. Full-slip copper allows you to slide the connector onto the remaining copper supply, and then back down to the new height.
- **No need for exact measurements** Several inches of full-slip copper allows you to cut the copper to the *approximate* length. Even if you are too long on your cut, the full-slip allows you to slide the joint wherever it needs to be.
- **Valve is already installed in connector** Soldering copper to copper is hard enough, but soldering to a valve is the toughest. It takes more heat than a normal solder joint, but too much heat will melt the seats and ruin the valve. Having

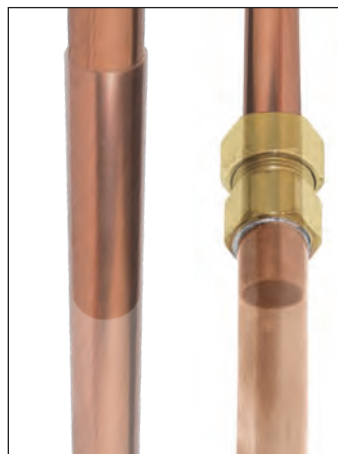
the valve already soldered into the connector is more than just a time saver; it's a *valve saver*.

- **Holds everything in place for soldering** Connect the swivel nut to the heater nipple and fully tighten for a proper seal, prior to soldering to the copper tube. Everything will be in place for proper soldering. No more trying to hold loose copper elbows and tees together while soldering. The connector acts like a built-in soldering jig to hold everything.
- **Professional Look** Sioux Chief has THE ONLY preformed connector on the market that is solid copper. When finished, the plumber has a professional, straight, sturdy installation.



FIP & MIP

Sioux Chief water heater connectors are available with ¾" and 1" MIP or FIP swivel connection. Each FIP swivel connection contains a thick rubber gasket for a tight seal and serves as a dielectric union.



Full-Slip Sweat & Compression

For copper systems, ½" or ¾" full-slip sweat or ⅞" O.D. compression connections are available.



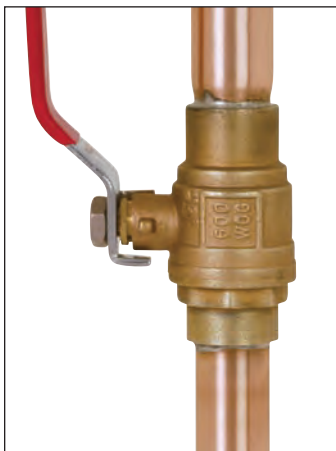
Flex, Hard & Elbow

Sioux Chief offers flexible corrugated connectors and ¾" type-L in both straight and elbow water heater connectors for easy water heater installations.



Lengths

All connectors are available in a variety of lengths to meet CPVC and PEX manufacturer installation instructions, IPC and UPC model codes guidelines for electric and gas water heater installations.



600 WOG

Cold side connectors have 600 WOG full port ball valve.



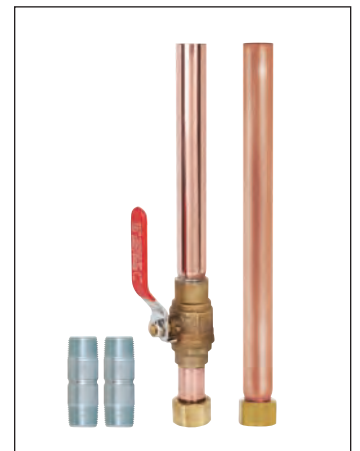
Expansion Tank

Water heater connectors with a ¾" FIP branch for a two gallon expansion tank are available. in a top mount or side mount application.



Tankless

Tankless water heater connectors available with ¾" sweat and FIP connections.



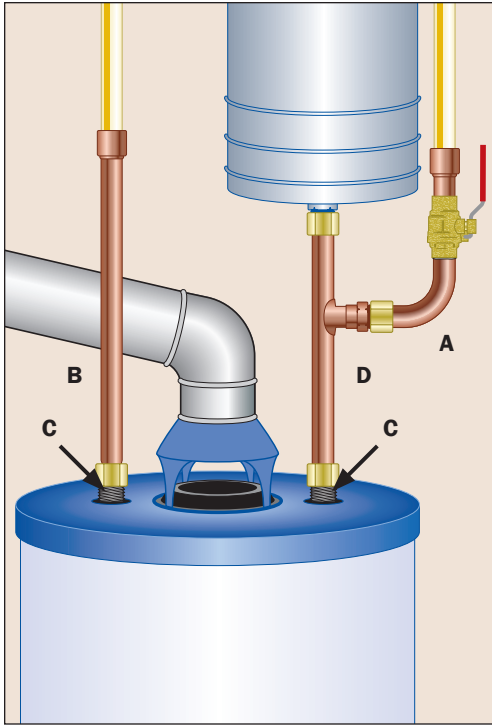
Kits or Bulk

Water heater connectors can be packaged in both bundled kits or in bulk.

Kits

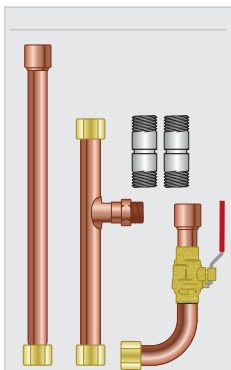
- Convenient kits are great for new construction and repair/remodel job sites.
- Build your own pre-packaged water heater connector kit with the number system below.
- Kits are individually bagged and shipped 10 to a box.

Most Popular Kits



- A** Cold Side Connector
- B** Hot Side Connector
- C** Dielectric Nipple Option
- D** Expansion Tank Option

Item No.	Components	Pkg	Min. Qty	Case Qty
SWEAT				
694-211123	3/4" FIP swivel x 3/4" full-slip FSWT 3/4" FIP swivel x 3/4" full-slip FSWT, ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples	B	10	10
694-211120	3/4" FIP swivel x 3/4" full-slip FSWT 3/4" FIP swivel x 3/4" full-slip FSWT, ball valve	B	10	10
PEX				
694X32012091	3/4" FIP swivel x 3/4" PEX barb 3/4" FIP swivel x 3/4" PEX barb elbow, with ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10
694X32012391	3/4" FIP swivel x 3/4" PEX barb 3/4" FIP swivel x 3/4" PEX barb elbow, with ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples 3/4" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10
694X322123	3/4" FIP swivel x 3/4" PEX barb 3/4" FIP swivel x 3/4" PEX barb, with ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples	B	10	10
CPVC				
694C33012091	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10
694C331220	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket, ball valve	B	10	10
694C33012093	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 3/4" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10
694C361520	1" FIP swivel x 3/4" CPVC socket 1" FIP swivel x 3/4" CPVC socket, ball valve	B	10	10
694C36012092	1" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 1" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10
694C36012094	1" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve 1" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10
694C33012391	3/4" FIP swivel x 3/4" CPVC socket 3/4" FIP swivel x 3/4" CPVC socket elbow, ball valve Two 3/4" MIP x 3/4" MIP dielectric nipples 3/4" x 3/4" FIP swivel with 3/4" MIP branch	B	10	10



Build Kit Item Numbers

Component	Supply System	A Hot Side Connector	B Cold Side Connector	C Nipple Option	D Expansion Tank Option	Packaging Fee	Water Heater Connector Kit 694-A B C D
Kit Code	694-	21	01	23	91	\$1.50	694-21 01 23 91
Description	copper	straight 3/4" MIP swivel x 3/4" full-slip FSWT	elbow 3/4" FIP swivel x 3/4" FSWT, ball valve	two 3/4" MIP x 3/4" MIP	3/4" FIP swivel x 3/4" FIP swivel with 3/4" MIP branch		Completed Kit Item Number

Packaging Codes || B: bulk

Copper

694- + A + B + C + D

DO NOT use pipe dope or Teflon tape on FIP threads.

Swivel → Fitting → FIP connector nuts swivel

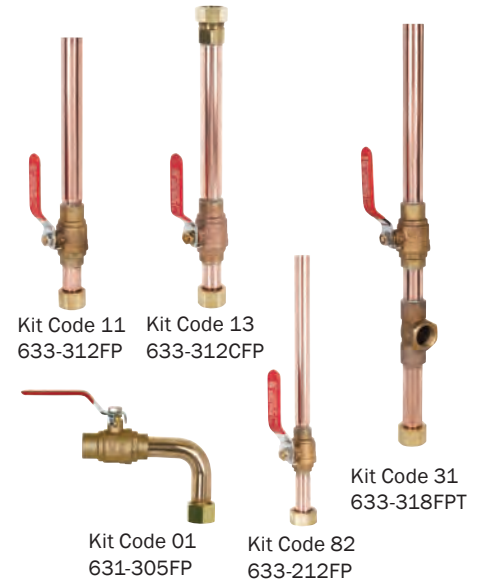
A Hot Side Connector

Item No.	Kit Code	Description	Length
633-312	21	3/4" FIP swivel × 3/4" full-slip FSWT	12"
633-4312	22	1" FIP swivel × 3/4" full-slip FSWT	12"
633-312C	23	3/4" FIP swivel × 7/8" compression	12"
631-33F	41	3/4" FIP swivel × 3/4" FSWT elbow	3" × 3"
633-212	81	3/4" FIP swivel × 1/2" full-slip FSWT	12"



B Cold Side Connector

Item No.	Kit Code	Description	Length
631-305FP	01	3/4" FIP swivel × 3/4" FSWT elbow, ball valve	3" × 5"
633-312FP	11	3/4" FIP swivel × 3/4" full-slip FSWT, ball valve	12"
633-4312FP	12	1" FIP swivel × 3/4" full-slip FSWT, ball valve	12"
633-312CFP	13	3/4" FIP swivel × 7/8" compression, ball valve	12"
633-212FP	82	3/4" FIP swivel × 1/2" full-slip FSWT, ball valve	12"
633-318FPT	31	3/4" FIP swivel × 3/4" full-slip FSWT, ball valve with 3/4" FIP branch	18"



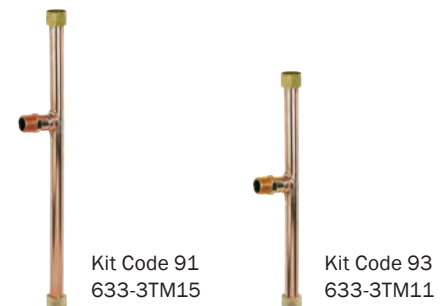
C Nipple Option

Item No.	Kit Code	Description	Length
—	20	No nipples	—
635-33	23	Two 3/4" MIP × 3/4" MIP	3"
635-43	24	Two 1" MIP × 1" MIP	3"



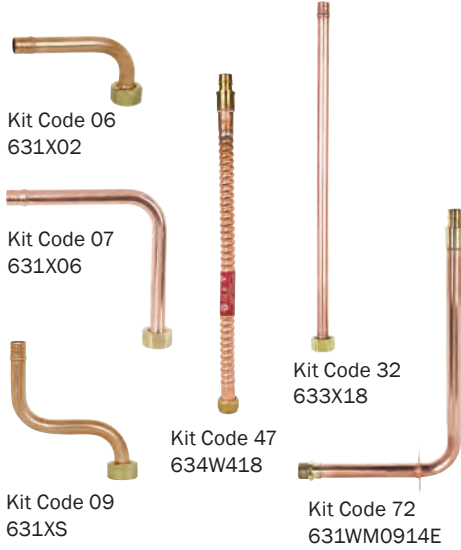
D Expansion Tank Option

Item No.	Kit Code	Description	Length
—	—	No expansion tank	—
633-3TM15	91	3/4" × 3/4" FIP swivel with 3/4" MIP branch	15"
633-4TM15	92	1" × 3/4" FIP swivel with 3/4" MIP branch	15"
633-3TM11	93	3/4" × 3/4" FIP swivel with 3/4" MIP branch	11"
633-4TM11	94	1" × 3/4" FIP swivel with 3/4" MIP branch	11"



DO NOT use pipe dope or Teflon tape on FIP threads.

Swivel →
← Fitting FIP connector nuts swivel



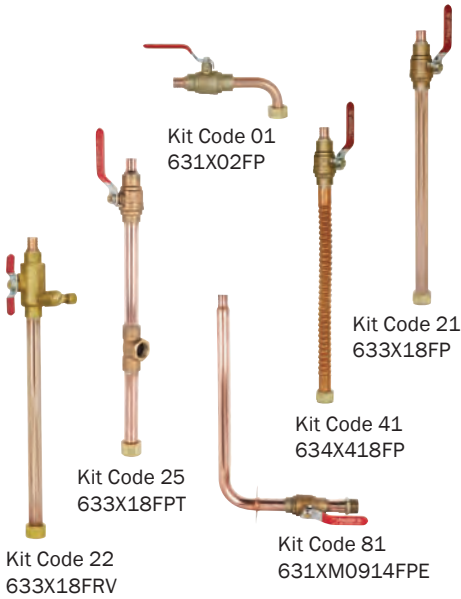
PEX

694X + A + B + C + D

A Hot Side Connection

Item No.	Kit Code	Connection	Length
631X02	06	3/4" PEX × 3/4" FIP swivel elbow	2 1/2" × 4 1/2"
631X06	07	3/4" PEX × 3/4" FIP swivel elbow	6" × 6"
631XM	08	3/4" PEX × 3/4" MIP, elbow	4" × 6"
631XS	09	3/4" PEX × 3/4" FIP swivel s-bend	6" × 4 1/2"
633X02	31	3/4" PEX × 3/4" FIP swivel	2"
633X18	32	3/4" PEX × 3/4" FIP swivel	18"
633X418	36	3/4" PEX × 1" FIP swivel	18"
634X418	46	3/4" PEX × 3/4" FIP swivel flexible	18"
646X3	61	3/4" PEX × 3/4" MIP	—
646X318	62	3/4" PEX × 3/4" MIP	18"
NEW 634V418	48	3/4" FIP × Viega PEX Press flexible	18"
NEW 634W418	47	3/4" FIP × F1960 flexible	18"
631WM0914E	72	3/4" F1960 × 3/4" MIP elbow with Square O	14" × 9"
631XM0914E	71	3/4" PEX × 3/4" MIP elbow with Square O	14" × 9"

B Cold Side Connection



Item No.	Kit Code	Connection	Length
631X02FP	01	3/4" PEX × 3/4" FIP swivel elbow, ball valve	2 1/2" × 6"
633X18FP	21	3/4" PEX × 3/4" FIP swivel, ball valve	18"
633X18FPT	25	3/4" PEX × 3/4" FIP swivel, ball valve with 3/4" FIP branch for expansion tank	18"
634X418FP	41	3/4" PEX × 3/4" FIP swivel flexible, ball valve	18"
646X318FP	51	3/4" PEX × 3/4" MIP, ball valve	18"
633X418FP	71	3/4" PEX × 1" FIP swivel, ball valve	18"
633X18FRV	22	3/4" PEX × 3/4" FIP swivel, ball valve with pressure relief 3/8" O.D. compression	18"
NEW 634V418FP	43	3/4" FIP × Viega PEX Press flexible, ball valve	18"
NEW 634W418FP	42	3/4" FIP × F1960 flexible, ball valve	18"
631WM0914FPE	84	3/4" F1960 × 3/4" MIP elbow with Square O	14" × 9"
631WM0914RFE	83	3/4" F1960 × 3/4" MIP elbow with Square O	14" × 9"
631XM0914FPE	81	3/4" PEX × 3/4" MIP elbow with Square O	14" × 9"

C Nipple Option



Item No.	Kit Code	Description	Length
—	20	No nipples	—
635-33	23	Two 3/4" MIP × 3/4" MIP	3"
635-43	24	Two 1" MIP × 1" MIP	3"

D Expansion Tank Option



Item No.	Kit Code	Description	Length
—	—	No expansion tank	—
633-3TM15	91	3/4" × 3/4" FIP swivel with 3/4" MIP branch	15"
633-4TM15	92	1" × 3/4" FIP swivel with 3/4" MIP branch	15"
633-3TM11	93	3/4" × 3/4" FIP swivel with 3/4" MIP branch	11"
633-4TM11	94	1" × 3/4" FIP swivel with 3/4" MIP branch	11"

CPVC

694C + A + B + C + D

DO NOT use pipe dope or Teflon tape on FIP threads.

Swivel →
← Fitting FIP connector nuts swivel

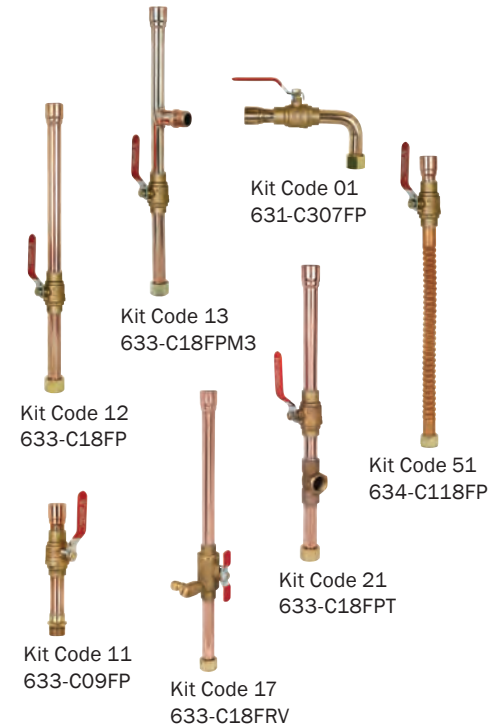
A Hot Side Connector

Item No.	Kit Code	Connection	Length
631-C307	06	3/4" FIP swivel × 3/4" CPVC socket elbow	3" × 7"
633-C02	31	3/4" FIP swivel × 3/4" CPVC socket	3"
633-C09	32	3/4" FIP swivel × 3/4" CPVC socket	9"
633-C18	33	3/4" FIP swivel × 3/4" CPVC socket	18"
633-C18M3	34	3/4" FIP swivel × 3/4" CPVC socket, with 3/4" MIP branch	18"
633-C24	35	3/4" FIP swivel × 3/4" CPVC socket	24"
633-C418	36	1" FIP swivel × 3/4" CPVC socket	18"
633-C424	37	1" FIP swivel × 3/4" CPVC socket	24"
634-C118	56	3/4" FIP swivel × 3/4" CPVC socket flexible	18"
646-C3	71	3/4" MIP × 3/4" CPVC socket	3 1/4"
646-C318	72	3/4" MIP × 3/4" CPVC socket	18"
646-C324	73	3/4" MIP × 3/4" CPVC socket	24"
646-C3418	74	1" MIP × 3/4" CPVC socket	18"
646-C3424	75	1" MIP × 3/4" CPVC socket	24"



B Cold Side Connector

Item No.	Kit Code	Connection	Length
631-C307FP	01	3/4" FIP swivel × 3/4" CPVC socket elbow, ball valve	3" × 7"
633-C09FP	11	3/4" FIP swivel × 3/4" CPVC socket, ball valve	9"
633-C18FP	12	3/4" FIP swivel × 3/4" CPVC socket, ball valve	18"
633-C18FPM3	13	3/4" FIP swivel × 3/4" CPVC socket, ball valve, with 3/4" MIP branch	18"
633-C24FP	14	3/4" FIP swivel × 3/4" CPVC socket, ball valve	24"
633-C418FP	15	1" FIP swivel × 3/4" CPVC socket, ball valve	18"
633-C424FP	16	1" FIP swivel × 3/4" CPVC socket, ball valve	24"
633-C18FRV	17	3/4" FIP swivel × 3/4" CPVC socket, ball valve with pressure relief 3/8" O.D. compression	18"
633-C18FPT	21	3/4" FIP swivel × 3/4" CPVC socket, ball valve, with 3/4" FIP branch	18"
633-C418FRV	25	1" FIP swivel × 3/4" CPVC socket, ball valve with pressure relief 3/8" O.D. compression	18"
634-C118FP	51	3/4" FIP swivel × 3/4" CPVC socket flexible, ball valve	18"
646-C318FP	61	3/4" MIP × 3/4" CPVC socket, ball valve	18"
646-C324FP	63	3/4" MIP × 3/4" CPVC socket, ball valve	24"
646-C3418FP	64	1" MIP × 3/4" CPVC socket, ball valve	18"
646-C3424FP	65	1" MIP × 3/4" CPVC socket, ball valve	24"
646-C318FPT	81	3/4" MIP × 3/4" CPVC socket, ball valve, with 3/4" FIP branch	18"



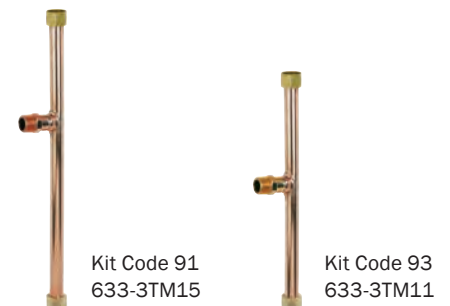
C Nipple Option

Item No.	Kit Code	Description	Length
—	20	No nipples	—
635-33	23	Two 3/4" MIP × 3/4" MIP	3"
635-43	24	Two 1" MIP × 1" MIP	3"



D Expansion Tank Option

Item No.	Kit Code	Description	Length
—	—	No expansion tank	—
633-3TM15	91	3/4" × 3/4" FIP swivel with 3/4" MIP branch	15"
633-4TM15	92	1" × 3/4" FIP swivel with 3/4" MIP branch	15"
633-3TM11	93	3/4" × 3/4" FIP swivel with 3/4" MIP branch	11"
633-4TM11	94	1" × 3/4" FIP swivel with 3/4" MIP branch	11"



DO NOT use pipe dope or Teflon tape on FIP threads.



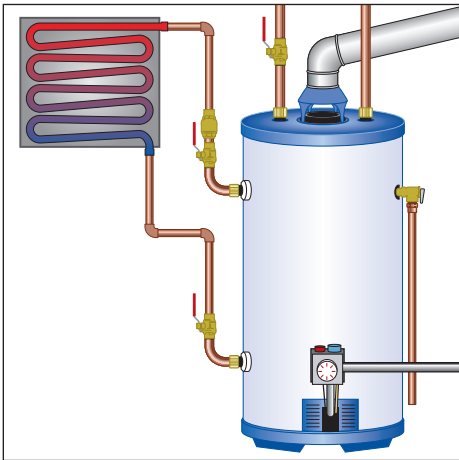
Tankless Water Heater Connector Kit

Sweat & FIP Connections

- Fits most tankless water heaters.
- ¾" full port ball valves.
- Integrated all brass tee for pressure valve.
- ¼-turn drain valves for drainage/flushing.
- Pressure valve and installation instructions included.
- Max heater input: 500,000 BTU/HR per ASME
- Max pressure: 150 PSI



Item No.	Connection	Pkg Qty	Min. Qty	Case Qty
690-0101	¾" FIP swivel × ¾" sweat	B*	1	1
690-2020	¾" FIP swivel × ¾" FIP	B*	1	1



Heating Coil Loop Kit

Supply and Return Loop Connectors

- For use with high recovery hydronic systems. Preformed supply and return loop connectors provide easy installation

Sweat System

Component	Supply Loop Elbow	Return Loop Elbow	Dielectric Connector
Standard Kit	¾" FIP swivel × ¾" FSWT, full port ball valve	¾" FIP swivel × ¾" FSWT, full port ball valve	Two ¾" MIP × ¾" MIP, 3" long
Check Valve Kit	¾" FIP swivel × ¾" FSWT, full port ball valve, with spring-loaded check valve	¾" FIP swivel × ¾" FSWT, full port ball valve	Two ¾" MIP × ¾" MIP, 3" long

DO NOT use pipe dope on FIP threads



636-31308FK



636-C1307F2

CPVC System

Component	Supply Loop Elbow	Return Loop Elbow	Dielectric Connector	Boiler Drain	MIP Adapter
Standard Kit	¾" FIP swivel × ¾" CPVC, full port ball valve	¾" FIP swivel × ¾" CPVC, full port ball valve	Two ¾" MIP × ¾" MIP, 3" long	½" CPVC boiler drain	½" CPVC × ½" MIP adapter
Check Valve Kit	¾" FIP swivel × ¾" CPVC, full port ball valve, with spring-loaded check valve	¾" FIP swivel × ¾" CPVC, full port ball valve	Two ¾" MIP × ¾" MIP, 3" long	½" CPVC boiler drain	½" CPVC × ½" MIP adapter

Item No.	Description	Pkg	Min. Qty	Case Qty
SWEAT				
636-31305F	Standard heating coil loop kit	B	10	10
636-31308FK	Check valve heating coil loop kit	B	10	10
CPVC				
636-C1307F2	Standard heating coil loop kit	B	10	10
636-C1310FK2	Check valve heating coil loop kit	B	10	10

Packaging Codes || B: bulk *: individually bar-coded

DISTRIBUTED BY

24110 South Peculiar Drive
Peculiar, Missouri 64078
tel: 1-800-821-3944
fax: 1-800-758-5950
www.siouxchief.com





F1380 POLYBUTYLENE

RINGS

DIRECTIONALS

COUPLINGS

ADAPTERS/CONNECTORS

Federal No Lead Compliance

» Reducing Lead in Drinking Water

Federal legislation known as Federal Public Law 111-380 or the "Reduction of Lead in Drinking Water Act" was signed into law in 2011 and eliminates the sale or installation of plumbing fixtures (drinking water pipes, pipe fittings and plumbing fixtures) with a wetted surface area containing more than a weighted average of 0.25% lead.

National requirements allow for standard leaded brass to be installed up until January 4, 2014. However, these products will be non-compliant and obsolete as of January 4, 2014 for use within potable drinking water plumbing systems.

Products exempted from the no lead law are those used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, radiant heating or any other uses where the water is not intended for human consumption.

Sioux Chief's No Lead and Standard Brass Product Availability and PEX Fitting Options

Sioux Chief no longer builds stock or produces leaded brass for F1807, F1960, F2080, F1380 or sweat fittings that fall under the necessary federal mandates. Sioux Chief will not accept returns of these phasing-out standard brass fittings after December 31, 2012.

Sioux Chief will keep a list of fittings that will be transitioning to no lead material at www.siouxchief.com. This list will be kept up-to-date with current stock status of each fitting (obsolete vs. in-stock) as we transition to no lead inventory.

Sioux Chief has made the investment in no lead brass inventory for the majority of our current products. This inventory is currently available in various alloys including no lead compliant and dezincification resistant C69300 material.

F1807 PEX, F1960 PEX and F2080 PEX are offered under the PowerPEX™ brand as fully compliant and listed standard brass (traditional 360 and 377 brass fittings) as well as the above-mentioned no lead and dezincification resistant brass. Sioux Chief's F1807 line of fittings is also offered in copper and remains an economical and perfect solution to no lead and dezincification issues.

All Sioux Chief no lead compliant PEX products, F2159 poly alloy fittings and F1807 copper fittings already meet the above national mandates for Jan. 4, 2014. Sioux Chief's current listed no lead inventory, copper stub outs, copper PEX F1807 fittings and the majority of our preformed copper (PFC) solutions are naturally no lead, are not prone to dezincification and offer natural anti-microbial properties. For those PFC items that are within the scope of federal mandates and which currently contain leaded brass, Sioux Chief will fully transition to compliant product by the Jan 4, 2014 date.

No Lead Compliant Products



Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.

Important Notes About Sioux Chief Male Sweat Fitting



All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

POLYBUTYLENE (PB) FITTINGS

Although Polybutylene (PB) tube is no longer installed in the United States, demand for barbed insert fittings for PB systems continues to be high, especially in Canada. For your convenience, we will continue to offer the most popular PB fittings as long as demand remains significant. (See stock PB fittings below.) Sioux Chief F1380 fittings are made in the United States with domestic materials.

Sioux Chief will no longer accept returns on PB barbed fittings.

All sales are final.

All Sioux Chief PB fittings conform to CSA B137.8 and ASTM F-1380 Standard for Metal Insert Barb Fittings for Polybutylene, and are designed for use with Polybutylene SDR 11 Tube conforming to ASTM D-3309.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

PB Crimp Ring

- For use with SDR-11 tubing only
- Not for use with PEX tube
- Pure, annealed copper rings



649-1

Item No	Description	Pkg	Min Qty	Case Qty
CRIMP RINGS FOR PB				
649-1	3/8" PB crimp ring	B	100	1000
649-2	1/2" PB crimp ring	B	100	1000
649-3	3/4" PB crimp ring	B	100	500
649-4	1" PB crimp ring	B	25	250

PB x PB Elbow

- One-piece solid copper



642-2

Item No	Description	Pkg	Min Qty	Case Qty
642-2	1/2" x 1/2" PB	B	25	250
642-3	3/4" x 3/4" PB	B	25	250





641-222

PB x PB Tee

- Lead-free solder joint



Item No	Description	Pkg	Min Qty	Case Qty
641-222	1/2" PB x 1/2" PB x 1/2" PB	B	50	500
641-332	3/4" PB x 3/4" PB x 1/2" PB	B	20	200
641-333	3/4" PB x 3/4" PB x 3/4" PB	B	20	200



645-2

PB x PB Coupling

- One-piece solid copper



Item No	Description	Pkg	Min Qty	Case Qty
645-2	1/2" PB x 1/2" PB	B	100	1000
645-3	3/4" PB x 3/4" PB	B	50	500



643-2

PB Adapter

PB x Male Sweat

- One-piece solid copper



Item No	Description	Pkg	Min Qty	Case Qty
643-2	1/2" PB x 1/2" MSWT	B	100	1000
643-3	3/4" PB x 3/4" MSWT	B	50	500
643-3B	3/4" PB blue x 3/4" MSWT	B	50	50



644-2

PB Adapter

PB x Female Sweat

- One-piece solid copper



Item No	Description	Pkg	Min Qty	Case Qty
644-2	1/2" PB x 1/2" FSWT	B	100	1000
644-3	3/4" PB x 3/4" FSWT	B	50	500

SUPPLY

DRAINAGE

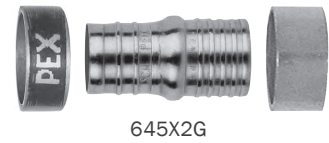
SUPPORT

APPENDIX

PB Adapter

PB × F1807 PEX Copper Coupling with Crimp Rings

- One-piece solid copper



645X2G

Item No	Description	Pkg	Min Qty	Case Qty
645X2G	1/2" PB × 1/2"F1807	B	50	50
645X2GPK2	1/2"F1807 × 1/2" PB, 1/bag	C*	10	10
645X3G	3/4" PB × 3/4"F1807	B	50	50
645X3GPK2	3/4"F1807 × 3/4" PB, 1/bag	C*	10	10



SUPPLY

DRAINAGE

PB Adapter Tee

PB × F1807 PEX Tee with Crimp Rings



641-222X

Item No	Description	Pkg	Min Qty	Case Qty
641-222X	1/2" PB × 1/2" PB × 1/2"F1807	B	50	50
641-222XPK2	1/2" PB × 1/2" PB × 1/2"F1807, 1/bag	C*	10	10
641-332X	3/4" PB × 3/4" PB × 1/2"F1807	B	50	50
641-333X	3/4" PB × 3/4" PB × 3/4"F1807	B	50	50
641-333XPK2	3/4" PB × 3/4" PB × 3/4"F1807, 1/bag	C*	10	10



SUPPORT

APPENDIX

PB Adapter

PB × CPVC

- One-piece solid copper



645-C2G

Item No	Description	Pkg	Min Qty	Case Qty
645-C2G	1/2" PB × 1/2" CPVC	B	50	50
645-C3G	3/4" PB × 3/4" CPVC	B	50	50





ARRESTERS & PRIMERS

ARRESTERS

Mini-Rester™
Hydra-Rester™
Mega-Rester™

TRAP PRIMERS

Mechanical Primers
Gravity
Priming Distribution
Priming Drain Adapters
Electronic Primers



Mini-Rester™ Straight
Residential Water Hammer Arrester
p 226



Mini-Rester™ Tee
Residential Water Hammer Arrester
p 227



Mini-Rester™ PEX Tee
Residential Water Hammer Arrester
p 228



Hydra-Rester™
Commercial Water Hammer Arrester
p 229



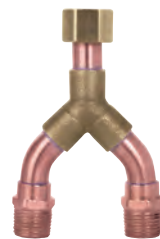
Mega-Rester™
Industrial Water Hammer Arrester
p 231



Vacu-Rester™
Vacuum Breaker Arrester
p 233



Prime Perfect™
Trap Primer Valve
p 234



Splitters
Wye Splitter
p 235



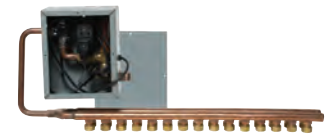
Splitters
Distributor
p 235



Trap Primer Adapter
Sch. 40 Hub with 1/2" FIP Port
p 236



Trap-Ease™
Trap Primer Tailpiece
p 236



ETP - Electronic Trap Primer
Surface Mount Box & Panel
p 237



ETP - Electronic Trap Primer
Recessed Box & Panel
p 237



ETP - Electronic Trap Primer
Electronic Trap Primer
p 238

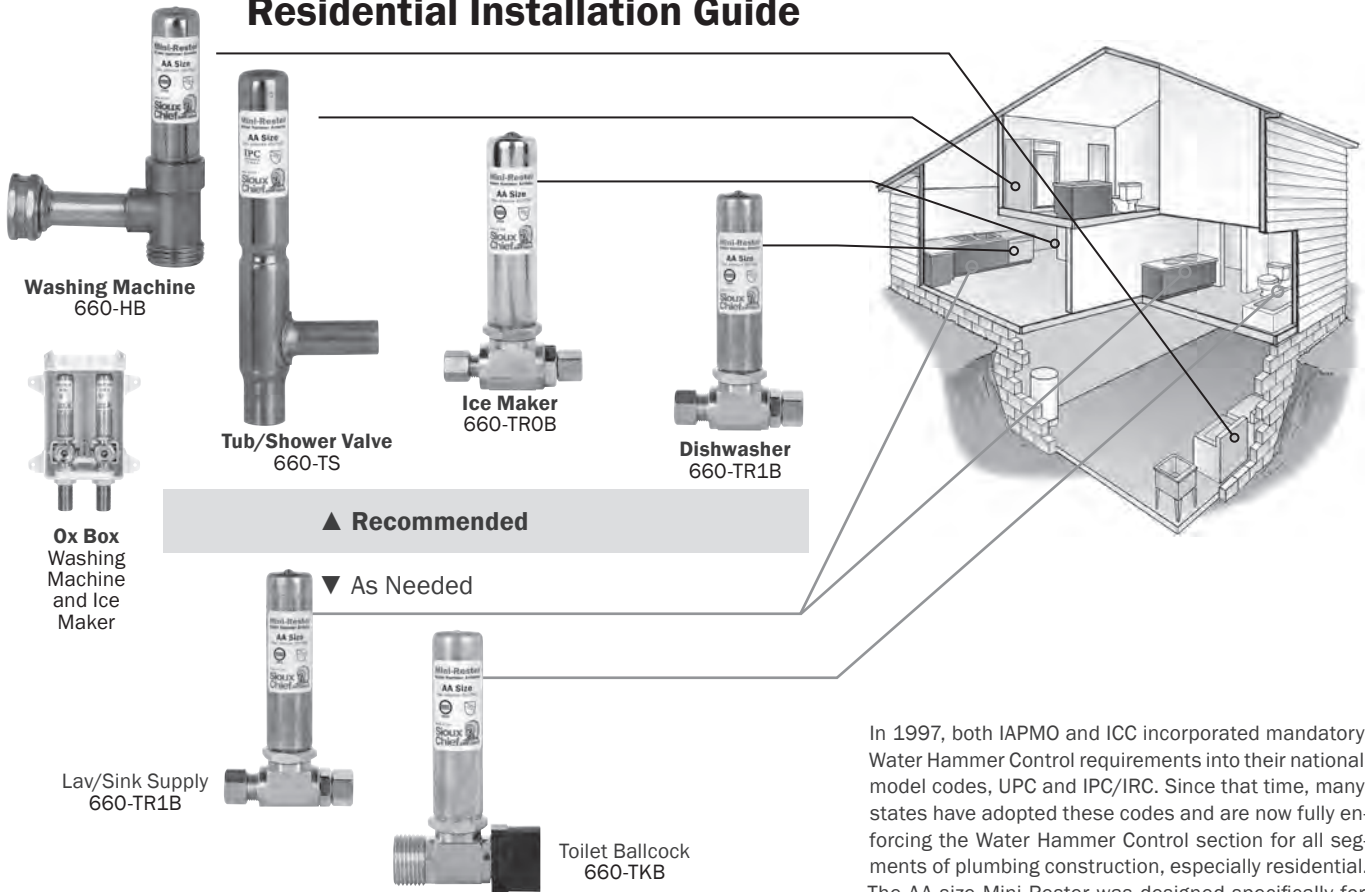
Mini-Rester™

Residential Water Hammer Arrester

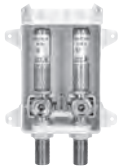
- All Mini-Resters™ are approved for sealed wall installations with no access panel required
- Certified by ASSE as AA size to the ANSI/ASSE 1010-2004 Standard †
- May be installed at any angle



Residential Installation Guide



Washing Machine
660-HB



Ox Box
Washing
Machine
and Ice
Maker

Tub/Shower Valve
660-TS



Ice Maker
660-TROB



Dishwasher
660-TR1B

▲ Recommended

▼ As Needed

Lav/Sink Supply
660-TR1B



Toilet Ballcock
660-TKB

2012 Uniform Plumbing Code (UPC/IAPMO)

609.10 Water Hammer: All building water supply systems in which quick-acting valves are installed shall be provided with devices to absorb the hammer caused by high pressures resulting from the quick closing of these valves. These pressure-absorbing devices shall be approved mechanical devices. Water pressure-absorbing devices shall be installed as close as possible to quick-acting valves.

609.10.1 Mechanical Devices: When listed mechanical devices are used, the manufacturers' specifications as to location and method of installation shall be followed.

2012 International Plumbing Code (IPC)

604.9 Water hammer: The flow velocity of the water distribution system shall be controlled to reduce the possibility of water hammer. A water-hammer arrester shall be installed where quick-closing valves are utilized. Water hammer arresters shall be installed in accordance with the manufacturer's specifications. Water-hammer arresters shall conform to ASSE 1010.

No Lead Compliant

Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.



In 1997, both IAPMO and ICC incorporated mandatory Water Hammer Control requirements into their national model codes, UPC and IPC/IRC. Since that time, many states have adopted these codes and are now fully enforcing the Water Hammer Control section for all segments of plumbing construction, especially residential. The AA size Mini-Rester was designed specifically for residential fixtures, and has made these code requirements feasible, affordable, easily inspected, and enforced. Sioux Chief recommends ASSE certified AA size arresters (Mini-Resters) installed at the very least on supply lines (both hot and cold) for washing machines, dishwashers, ice makers, and tub/shower valves to satisfy the minimum requirements of these codes. Arresters should be installed within six feet of the valve. All Sioux Chief Mini-Resters are AA size, regardless of connection size, and therefore are all equal in arrester capacity. Certain connection models may be intended for specific fixture applications, but other AA Mini-Rester models will control hammer on the same fixture just as well.

For High-Flow Garden Tub Valves and Multi-Head Shower Valves: Install 653-B Hydra-Resters® (p 229) on both hot and cold supply lines within six feet of the valve.

For Lawn Irrigation Zone Valves: On ¾" service line, install one 653-B Hydra-Rester within six feet of each valve or group of valves. On 1" service line: Install one 654-C Hydra-Rester (p 229) within six feet of each valve or group of valves.

† Except: 660-C, 660-CB, 660-3SB & 660-TS series

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



660-SB



660-CB



660-G2B

CLICK FOR SUBMITTAL



660-V82B



660-V2B



660-X2B



660-VPX2B



660-WG2B

Male sweat models only



Mini-Rester™

Residential Water Hammer Arrester Straight

- Straight sweat arresters are compatible with press-fitting systems, such as Viega ProPress™ and all push-fitting systems
- Straight compression arresters install on any 1/2" nom. copper leg or riser and are especially popular in retrofitting 1/2" nom. air chambers
- MIP thread arresters install on any new rough-in or retrofit installation with 1/2" FIP fittings
- CPVC solvent weld arresters install on 1/2" CPVC tube or fittings in rough-in or retrofit applications
- PEX Mini-Resters™ are available with F1807, F1960 and Viega® PexPress® connections
- Products marked with the "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead
- All Mini-Resters are AA size



Item No	Description	NO LEAD	Pkg	Min Qty	Case Qty
STRAIGHT					
660-SB	1/2" male sweat	✓	B	50	50
660-S	1/2" male sweat, clamshell	✓	C*	6	6
660-3SB	3/4" male sweat	✓	B	50	50
660-CB	5/8" O.D. compression straight		B	50	50
660-C	5/8" O.D. compression straight, clamshell		C*	6	6
660-G2B	1/2" MIP thread no lead	✓	B	50	50
660-G2	1/2" MIP thread no lead, clamshell	✓	C*	6	6
660-V2B	1/2" CPVC socket	✓	B	50	50
660-V2	1/2" CPVC socket, clamshell	✓	C*	6	6
660-V82B	1/2" male CPVC	✓	B	50	50
660-V82	1/2" male CPVC, clamshell	✓	C*	6	6
660-X2B	1/2" F1807 PEX, straight	✓	B	50	50
660-VPX2B	1/2" Viega PEX Press		B	50	50
660-WG2B	1/2" F1960 PEX, no lead	✓	B	50	50

Mini-Rester™

Residential Water Hammer Arrester Tee

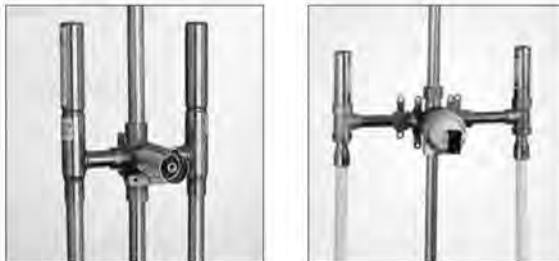
- Full slip tee sweats in-line on 1/2" CTS near problem valve or fixture
- Hose tee arresters install on washing machine supply valves or directly to washing machine

Tub/Shower Tee

- Sweat branch arresters install easily on sweat tub/shower valves
- FIP swivel thread arresters install on MIP tub/shower valves. No more heat damaged cartridges from soldering valve



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Item No	Kit Code	Description	NO LEAD	Pkg	Min Qty	Case Qty
TEE						
660-T22	—	1/2" full-slip female sweat tee	✓	B	25	25
660-HB	—	3/4" female swivel hose thread × 3/4" male hose thread tee		B	25	25
660-H	—	3/4" female swivel hose thread × 3/4" male hose thread tee, clamshell		C*	6	6
660-TKB	—	Female swivel ballcock nut × male ballcock thread tee		B	25	25
660-TK	—	Female swivel ballcock nut × male ballcock thread tee, clamshell		C*	6	6
TUB/SHOWER VALVE						
660-TS	—	1/2" male sweat open end branch × 1/2" female sweat tee	✓	B	25	25
660-TS8	—	1/2" x 8" stub out × 1/2" female sweat tee	✓	B	25	25
660-TS88	—	1/2" x 8" double stub out × 1/2" female sweat tee	✓	B	25	25
660-TSX	63	1/2" male sweat × 1/2" PEX F1807 crimp tee	✓	B	25	25
660-TSX88	—	1/2" x 8" double stub out × 1/2" F1807 PEX tee	✓	B	25	25
660-TSX7	64	1/2" FIP swivel × 1/2" F1807 PEX tee	✓	B	25	25
660-TSV7	—	1/2" FIP swivel × 1/2" CPVC tee		B	25	25



660-T22

660-HB

660-TKB



660-TS

660-TS8



660-TS88

660-TSX



660-TSX88



660-TSX7

660-TSV7

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Mini-Rester™

Residential Water Hammer Arrester

PEX Tee

- Great for in-line PEX installation for quick closing faucets
- ASTM F1807 PEX Tee †
- ASTM F1960 PEX Tee †
- ASTM F2080 PEX Tee †

Compression Tee

- Install in-line on ice maker lines, lav or dishwasher supply tubes

Female Compression Tee

- Installs either between stub out and supply stop, or between supply stop and supply tube for faucets, dishwashers, toilets or ice makers



660-TW2



660-TX2B



660-TA2B



660-TB



660-TRB

CLICK FOR SUBMITTAL



Item No	Description	NO LEAD	Pkg	Min Qty	Case Qty
PEX TEE					
660-TW2	1/2" PEX cold expansion tee F1960		B	25	25
660-TX1B	3/8" PEX crimp tee F1807		B	25	25
660-TX1	3/8" PEX crimp tee F1807, clamshell		C*	6	6
660-TX2B	1/2" PEX crimp tee F1807		B	25	25
660-TX2	1/2" PEX crimp tee F1807, clamshell		C*	6	6
660-TA2B	1/2" PEX cold expansion tee F2080		B	1	25
COMPRESSION TEE					
660-TC0B	1/4" O.D. compression tee for ice maker tube		B	25	25
660-TC0	1/4" O.D. compression tee for ice maker tube, clamshell		C*	6	6
660-TC1B	3/8" O.D. compression tee for supply tube		B	25	25
660-TC1	3/8" O.D. compression tee for supply tube, clamshell		C*	6	6
660-TB	5/8" O.D. compression tee for 1/2" nom. copper tube		B	25	25
660-T	5/8" O.D. compression tee for 1/2" nom. copper tube, clamshell		C*	6	6
660-GT	5/8" O.D. compression tee, no lead for 1/2" nom. copper tube, clamshell	✓	C*	6	6
660-GTB	5/8" O.D. compression tee, no lead for 1/2" nom. copper tube, bulk	✓	B	25	25
FEMALE COMPRESSION TEE					
660-TROB	1/4" O.D. comp. x 1/4" O.D. female comp.		B	25	25
660-TRO	1/4" O.D. comp. x 1/4" O.D. female comp., clamshell		C*	1	6
660-TR1B	3/8" O.D. comp. x 3/8" O.D. female comp.		B	25	25
660-TR1	3/8" O.D. comp. x 3/8" O.D. female comp., clamshell		C*	6	6
660-GTR1B	3/8" O.D. comp. x 3/8" O.D. female comp. no lead	✓	B	25	25
660-GTR1	3/8" O.D. comp. x 3/8" O.D. female comp. no lead, clamshell	✓	C*	6	6
660-TRB	5/8" O.D. comp. x 5/8" O.D. female comp.		B	25	25
660-TR	5/8" O.D. comp. x 5/8" O.D. female comp., clamshell		C*	6	6
660-GTRB	5/8" O.D. comp. x 5/8" O.D. female comp. no lead	✓	B	25	25
660-GTR	5/8" O.D. comp. x 5/8" O.D. female comp. no lead, clamshell	✓	C*	6	6

† Note on ASTM PEX Fitting Standards:

ASTM F1807: PEX Barb Insert Fittings

Utilizing a Copper Crimp Ring.

ASTM F1960: PEX Cold Expansion Fittings

Utilizing a PEX Compression Ring.

ASTM F2080: PEX Cold Expansion Fittings

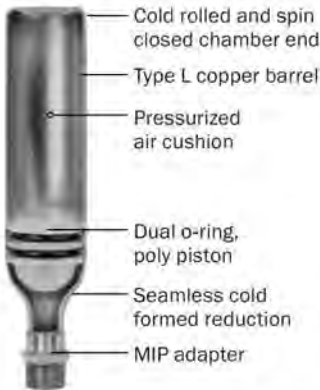
Utilizing a Metal Compression Ring.

Hydra-Rester™

Commercial Water Hammer Arrester



- Certified by the American Society of Sanitary Engineering to the ANSI/ASSE 1010-2004 Standard
- Lifetime cycle tested at U.S. Testing Laboratories to withstand 10,000 shock cycles. Factory tested to withstand 500,000 cycles without failure (654-C tested)
- Hydra-Rester™ male sweat fittings are compatible with press-fitting systems, such as Viega ProPress™ and all push-fitting systems
- Allows for installation in 2 × 4 wall cavity
- Installs at any angle
- ASSE 1010 certified as a water hammer arrester that is “designed to provide continuous protection, without maintenance” allowing the Hydra-Rester to be installed without access panels



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Available in four connection types, including new CPVC socket and PEX F1807.

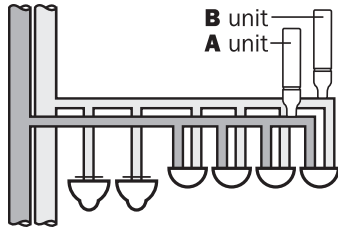
Item No	Conn. Size	Unit Size	Dimensions		Fixture Unit Value	Cubic Inch Volume	NO LEAD	Pkg	Min Qty	Case Qty
			Length	Width						
MIP THREAD										
652-A	1/2"	A	6 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-B	3/4"	B	8 3/4"	1 3/8"	12-32	7	✓	B	1	16
654-C	1"	C	11"	1 3/8"	33-60	11	✓	B	1	16
655-D	1"	D	10 1/8"	2 1/8"	61-113	20	✓	B	1	4
656-E	1"	E	12 5/8"	2 1/8"	114-154	29	✓	B	1	4
657-F	1"	F	15 1/8"	2 1/8"	155-330	36	✓	B	1	4
MALE SWEAT/PRESS FITTING										
652-AS	1/2"	A	8 1/4"	1 3/8"	1-11	5	✓	B	1	16
653-BS	3/4"	B	10"	1 3/8"	12-32	7	✓	B	1	16
654-CS	1"	C	12 1/2"	1 3/8"	33-60	11	✓	B	1	16
655-DS	1"	D	11"	2 1/8"	61-113	20	✓	B	1	4
656-ES	1"	E	13 1/2"	2 1/8"	114-154	29	✓	B	1	4
657-FS	1"	F	16"	2 1/8"	155-330	36	✓	B	1	4
CPVC SOCKET ASTM D2846 †										
652-AC	1/2"	A	7 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-BC	3/4"	B	9 1/2"	1 3/8"	12-32	7	✓	B	1	16
654-CC	1"	C	12"	1 3/8"	33-60	11	✓	B	1	16
PEX CRIMP ASTM F1807 †										
652-AX	1/2"	A	6 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-BX	3/4"	B	8 3/4"	1 3/8"	12-32	7	✓	B	1	16
654-CX	1"	C	11"	1 3/8"	33-60	11	✓	B	1	16

† NOTE: PEX and CPVC connection specifications are limited to those called out in their respective

SPECIFICATIONS †	
Maximum Working Temp	250°F
Safe Working Pressure for Pressure Testing	350 PSIG
Burst Tested	2,900 PSIG



SUPPLY
DRAINAGE
SUPPORT
APPENDIX



Cold Water
Equal to 26 fixture units
Requires B unit
Sioux Chief's 653-B
or 653-BS

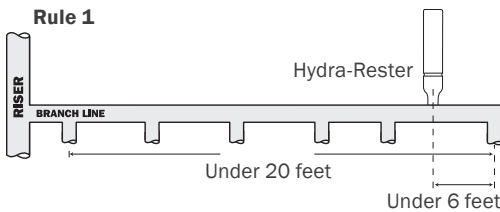
Hot Water
Equal to 6 fixture units
Requires A unit
Sioux Chief 652-A
or 652-AS

Sizing and Placement

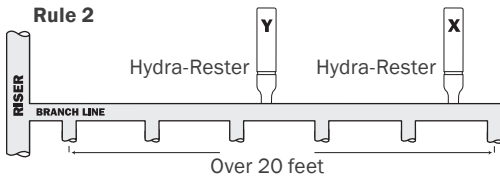
The fixture unit values shown in the table (below) represent the standard ratings used by engineers to size water distribution systems as well as water hammer arresters. Match fixture units in the table to the Hydra-Rester® with the corresponding fixture unit value (see previous page).

Multi-Fixture Branch Lines

Rule 1: Branch lines of 20 feet or less The Hydra-Rester should be placed at the end of the branch line within six feet of the last fixture served, as shown. Select required model using fixture unit sizing (above). Always place arrester within six feet of the last fixture.



Rule 2: Branch lines over 20 feet An additional Hydra-Rester (Y) should be placed as shown. The additional unit should be placed at the mid-point of the run longer than 20 feet. Select required model(s) using fixture unit sizing (above). The sum of the fixture unit ratings of units X and Y combined, shall be equal to or greater than the demand of all branches.



Long Runs of Piping to Remote Equipment

When long runs of piping serve remote equipment, Sioux Chief recommends custom sizing for each specific application. If you have such an application, fill out the arrester sizing form on the next page and fax it to us. Your specific job will be analyzed and calculated by our sizing program. The results will be sent to you, including the required arrester size and information on how to order.

Fixture	Type of Supply Control	Fixture Units					
		Public			Private		
		Total	C.W.	H.W.	Total	C.W.	H.W.
Water closet 1.66 PF	Flush valve	8	8	—	5	5	—
Water closet 1.66 PF	Flush tank	5	5	—	2.5	2.5	—
Pedestal urinal 1.06 PF	Flush valve	4	4	—	—	—	—
Stall or wall urinal	Flush valve	4	4	—	—	—	—
Stall or wall urinal	Flush tank	2	2	—	—	—	—
Lavatory	Faucet	2	1½	1½	1	1	1
Bathtub	Faucet	4	2	3	2	1½	1½
Shower head	Mixing valve	4	2	3	2	1	2
Bathroom group	Flush valve closet	—	—	—	8	8	3
Bathroom group	Flush tank closet	—	—	—	6	6	3
Separate shower	Mixing valve	—	—	—	2	1	2
Service sink	Faucet	3	3	3	—	—	—
Laundry tubs (1-3)	Faucet	—	—	—	3	3	3
Combination fixture	Faucet	—	—	—	3	3	3
Clothes Washer	Solenoid Valves	—	—	—	4	3	3
Dishwasher	Solenoid Valve	—	—	—	1.5	—	1.5
Ice Maker	Solenoid Valve	—	—	—	1	1	—

Residential Installations

For High-Flow Garden Tub Valves and Multi-Head Shower Valves, install 653-B Hydra-Resters on both hot and cold supply lines within six feet of the valve.

For Lawn Irrigation Zone Valves, on ¾" service lines, install one 653-B Hydra-Rester within six feet of each valve or group of valves. On a 1" service line, install one 654-C Hydra-Rester within six feet of each valve or group of valves.

WATER HAMMER ARRESTER CROSS REFERENCE

Manufacturer (Trade Name)	Arrester Size							
	AA	A	B	C	D	E	F	
Sioux Chief (Mini-Rester, Hydra-Rester)	660 Series	652-A	653-B	654-C	655-D	656-E	657-F	
Josam (Absorbotron)	—	75001	75002	75003	75004	75005	75006	
J.R. Smith (Hydrotrol)	—	5005	5010	5020	5030	5040	5050	
PPP (MM, SC Series)	MM-500 Series	SC500	SC750	SC1000	SC1250	SC1500	SC2000	
Wade (Shokstop)	—	W-5	W-10	W-20	W-50	W-75	W-100	
Watts (05, 15 Series)	05 Series	15-½"	15-¾"	15-1"	15-1¼"	15-1½"	15-2"	
Wilkins (1250 Series)	—	1250-A	1250-B	1250-C	1250-D	1250-E	1250-F	
Zurn (Shoktrol, Z1700 series)	—	100	200	300	400	500	600	

SUPPLY

DRAINAGE

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APPENDIX

Mega-Rester™

Industrial Water Hammer Arrester

Copper

- Dual o-ring piston lubricated with Dow 111 FDA approved silicone compound
- Cast brass flange, or wrought copper male thread fitting with lead-free solder joints
- 4" nominal Type L copper tube barrel
- 600 lb. (40 bar) liquid filled gauge
- Factory air charge

Stainless Steel

- Dual o-ring piston lubricated with Dow 111 FDA approved silicone compound
- Welded stainless steel flange or male thread fitting
- 4.25" O.D. 316 stainless steel barrel
- 600 lb. (40 bar) liquid filled gauge
- Factory air charge



658-2004



658S4004F2

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Item No	Connection Size & Type	Volume (in³)	Height (in)	Pkg	Min Qty	Case Qty
COPPER						
658-1503	3" MIP (ANSI B1.20.1)	150	23.25	B	1	1
658-2002	2" MIP (ANSI B1.20.1)	200	29.25	B	1	1
658-2004	4" MIP (ANSI B1.20.1)	200	24.50	B	1	1
658-4004	4" MIP (ANSI B1.20.1)	400	40.50	B	1	1
658-4004F2	4" Class 150 Flange (ANSI B16.24)	400	39.75	B	1	1
STAINLESS STEEL						
658S2002	2" MIP (ANSI B1.20.1)	200	24.25	B	1	1
658S2004F2	4" Class 150 Flange (ANSI B16.24)	200	22.87	B	1	1
658S4004F2	4" Class 150 Flange (ANSI B16.24)	400	38.87	B	1	1

SUPPLY

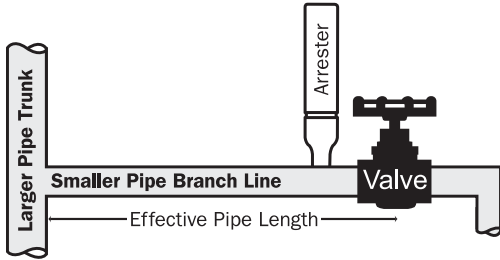
DRAINAGE

SUPPORT

APPENDIX

Arrester Sizing Service

Fax this completed form to Sioux Chief. Our expert sizing program will calculate exactly what size arrester is right for your project.



The effective pipe length runs from the valve, upstream to a trunk line, usually of larger diameter piping. The properly sized arrester should be placed upstream of the valve and as close to it as possible.

Nominal pipe size _____

Type of pipe _____

Effective pipe length _____

Flow pressure _____

Flow rate _____

Brief description of application _____

- This system is in design or under construction.
- This system is already in operation.

For existing systems, please check off the following lines that best describe your water hammer symptoms:

- Culprit valve creating hammer is at the end of pipe run.
- Culprit valve creating hammer is in the middle of pipe run.
- Hammer is heard when the culprit valve shuts off.
- Hammer is heard when the culprit valve is first opened.
- Hammer is heard as a continuous noise during flow.
- No hammer is heard, but significant pipe movement is noticed away from valve

Name _____

Company _____

Project name _____

Phone _____

Fax _____

Email _____

Fax this form to Sioux Chief at 1-800-758-5950 or 1-816-758-5950 (outside US). You may also email the above information to info@siouxchief.com. This Arrester Sizing Service form is available at www.siouxchief.com.

Vacu-Rester™

Vacuum Breaker Arrester

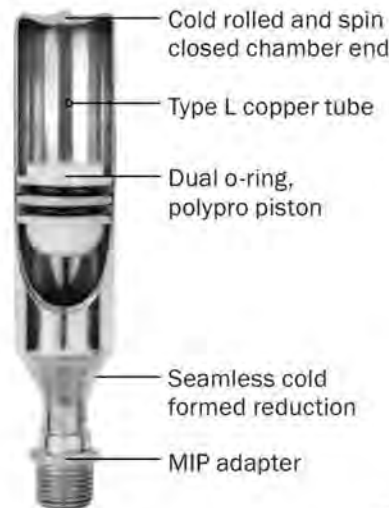
- To prevent cavitation and accompanying water hammer within the extra-long tub spout tubes and/or shower risers of high-flow fixtures, such as garden tub valves and multi-head shower valves
- Unlike atmospheric vacuum breaker devices that can leak or spit, the Vacu-Rester's™ "closed atmosphere" chamber serves as a short duration vacuum breaker without the chance of leaks
- Recommended by Kohler® Company for their high-flow tub valves such as their SOK™ series fixtures

Installation

For high flow tub valves with long spout tubes, install 652-AD Vacu-Rester on spout tube, in between tub valve and spout, within one foot of the tub valve.

For high flow shower valves, install 652-AD Vacu-Rester on shower riser, in between shower valve and shower head, within one foot of the shower valve.

For high flow lines with shut-off valve in the middle of pipe run, install Vacu-Rester on non-pressure side, within one foot of shut-off valve. Pipe sizes ½" thru 1", install 652-AD. Pipe sizes 1¼" thru 3", install 657-FD.



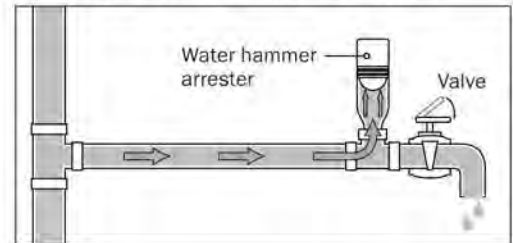
[CLICK FOR SUBMITTAL](#)

Item No	Conn. Size	Dimensions		Pkg	Min Qty	Case Qty
		Length	Width			
MIP THREAD						
652-AD	½"	6½"	1¾"	B	1	16
657-FD	1"	15½"	2¾"	B	1	4

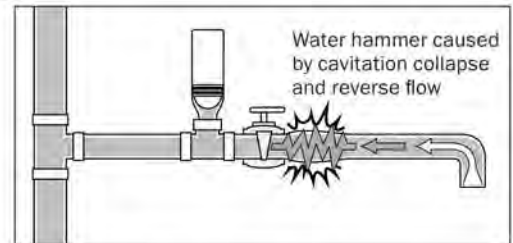
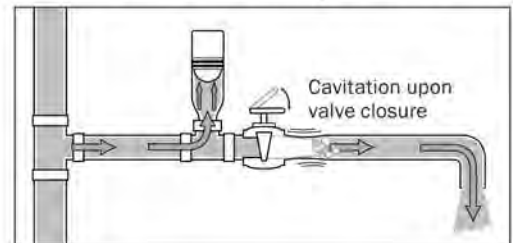


652-AD

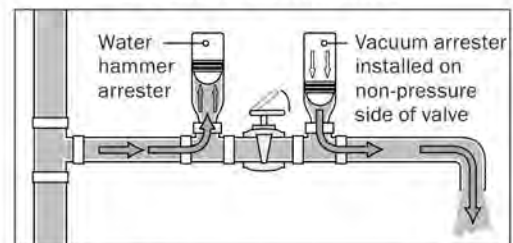
Regular water hammer with arrester.



Water Hammer caused by cavitation.



How the Vacu-Rester works.



The water column momentum draws the Vacu-Rester piston down, preventing a cavitation and reducing water hammer

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



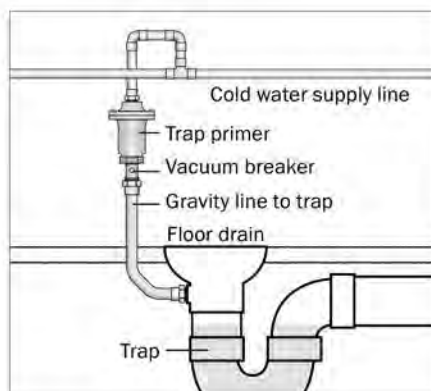
695-01

CLICK FOR SUBMITTAL

Prime Perfect™

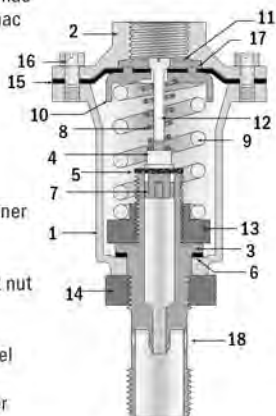
Trap Primer Valve

- Automatically activates to replenish evaporated water in floor drain traps to prevent the escape of sewer gases
- Large port openings in debris screen prevent clogging from sediment and debris
- Activates with a 10 PSIG pressure drop at operating pressure of 30–150 PSIG
- Water release is factory set 0.25 oz per activation, so no field adjustment is necessary
- Single trap primer can service up to eight traps using splitter and distributors
- Accepted by the Oregon State Board of Health, the Army Corps of Engineers, the City of Los Angeles and engineers all over the U.S.
- UPC/IAPMO listed
- Certified by the American Society of Sanitary Engineering to the ASSE 1018 Standard
- Brass-plated cap and body



COMPONENTS

- 1 Body: Brass-plated Zamac
- 2 Cap: Brass-plated Zamac
- 3 Brass nipple
- 4 Valve stem nut
- 5 Rubber valve disc
- 6 Nipple seat washer
- 7 Valve stem guide
- 8 Valve stem spring
- 9 Diaphragm spring
- 10 Diaphragm spring retainer
- 11 Sediment screen
- 12 Valve stem
- 13 Diaphragm adjustment nut
- 14 Nipple locknut
- 15 Diaphragm
- 16 Hex head stainless steel screws
- 17 Diaphragm stop washer
- 18 Vacuum breaker



Installation

Install to a convenient cold water line, ½"–1½" (12–40 mm) in diameter, nearest the trap or traps to be served. Install in an accessible location. Install in the upright, vertical position only. Install at least 5" (152 mm) above the grid of the floor drain or the flood rim of the sink or fixture which the trap serves. Install near plumbing fixtures to insure a full pressure drop of 10 PSI or more. If trap primer is installed too far upstream in the system, the pressure drop may not be enough for activation. To help prevent sediment buildup, install a vertical loop that rises above the supply line tee. (See illustration above.) Flush trap primer branch line prior to installing the trap primer. Install MIP adapter. Thread on trap primer. Install FIP union to bottom. Use PTFE tape sealant on both connections. Do not use pipe dope. Do not solder or braze directly to trap primer or fittings installed in trap primer. Water discharge is factory set—no adjustment is required on normal installations. However, for static pressures over 100 PSI, adjustments may be necessary. First loosen the nipple locknut, then turn the nipple counter clockwise until the trap primer starts dripping, turn the nipple clockwise ¼ turn and re-tighten nipple locknut.



Item No	Description	Pkg	Min Qty	Case Qty
695-01	Prime Perfect trap primer valve	B*	1	24

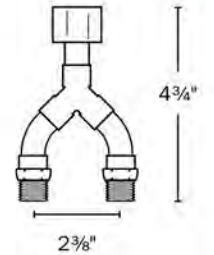
Splitters

Wye Splitter

- ½" FIP swivel connection
- Use with trap primer distributors (below) to service up to eight traps from a single trap primer



695-Y52



Item No	Description	Pkg	Min Qty	Case Qty
695-Y52	Two ½" MIP branches	B	1	10



Splitters

Distributor

- ½" FIP swivel connection
- Available with two, three or four flexible copper branches
- Evenly distributes water to each branch every time

CLICK FOR SUBMITTAL



695-D432



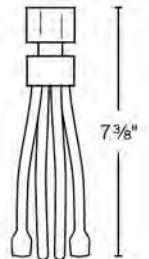
695-D20



695-D4325



695-D432F



Item No	Description	Pkg	Min Qty	Case Qty
695-D20	Two ¼" male sweat branches	B	1	16
695-D30	Three ¼" male sweat branches	B	1	16
695-D40	Four ¼" male sweat branches	B	1	16
695-D432	Two ¼" male sweat branches Two spin-closed branches	B	1	16
695-D432F	Four ½" FIP branches with two plugs	B	1	10
695-D4325	Two ½" female sweat branches Two spin-closed branches	B	1	16

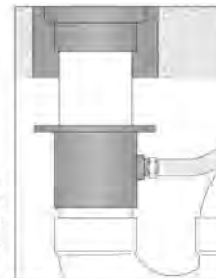


695-3P

Trap Primer Adapter

Sch. 40 Hub with 1/2" FIP Port

- Faster and more professional installation of trap primer supply
- Allows trap primer inlet to be positioned anywhere on the vertical waste line above the trap
- Universal 1/2" FIP thread trap primer supply connection
- Accommodates supply lines from any direction



Trap primer adapter solvent welds in the vertical waste line, typically just above the trap to be served. Adapter keeps the trap primer supply line out of the concrete when necessary.



ABS Item No	PVC Item No	Description	Pkg	Min Qty	Case Qty
695-2A	695-2P	2" Sch. 40 hub adapter with 1/2" FIP port	B	1	10
695-3A	695-3P	3" Sch. 40 hub adapter with 1/2" FIP port	B	1	10
695-4A	695-4P	4" Sch. 40 hub adapter with 1/2" FIP port	B	1	10

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



200-092

Trap-Ease™

Trap Primer Tailpiece

- Gravity feed, no mechanical parts
- Replenishes water in floor drain traps to prevent the escape of sewer gases
- 1/2" nominal branch connection
- Certified by the American Society of Sanitary Engineering to ASSE 1044
- UPC/IAPMO listed
- Eco-friendly means of trap priming

CLICK FOR SUBMITTAL



213-090



Item No	Dimensions	Tubular Connection	Gauge	Finish	Pkg	Min Qty	Case Qty
200-090	1 1/2" x 8"	direct connect	22	unfinished	B	25	25
200-092	1 1/2" x 8"	direct connect	22	chrome	B	25	25
213-090	1 1/4" x 6"	fine thread	20	unfinished	B	25	25
213-092	1 1/4" x 6"	fine thread	20	chrome	B	25	25



ETP

Electronic Trap Primer – Surface Mount Box & Panel

- Service multiple traps with a single primer
- Perfect for utility room installation and easy access to supply lines
- Complete with Mini-Rester™, shutoff, vacuum breaker and solenoid
- Made in the USA
- Made per order



695-ES30

Item No	Description	Pkg	Min Qty	Case Qty
695-ES05	5 Port	B	1	1
695-ES10	10 Port	B	1	1
695-ES15	15 Port	B	1	1
695-ES20	20 Port	B	1	1
695-ES30	30 Port	B	1	1



[CLICK FOR SUBMITTAL](#)

ETP

Electronic Trap Primer – Recessed Box

- Service multiple traps with a single primer
- Perfect for utility room installation and easy access to supply lines
- Complete with Mini-Rester™, shutoff, vacuum breaker and solenoid
- Made in the USA
- Made per order



695-ER10



695-ER20

Related Products

Metal Access Panel

p 259

Item No	Description	Pkg	Min Qty	Case Qty
695-ER05	5 Port	B	1	1
695-ER10	10 Port	B	1	1
695-ER15	15 Port	B	1	1
695-ER20	20 Port	B	1	1
695-ER30	30 Port	B	1	1



ETP

Electronic Trap Primer

- Great for up to 8 drains
- Perfect as a remote drain & trap protection supply line
- Integral vacuum breaker and adjustable solenoid for varied water distribution



695-ES01

CLICK FOR SUBMITTAL



Item No	Description	Pkg	Min Qty	Case Qty
695-ES01	Electronic trap primer surface mount	B	1	1

Mini-Rester™

» See page 226

- May be installed at any angle
- All Mini-Resters are approved for sealed wall installations with no access panel required
- MIP thread arresters install on any new rough-in or retrofit installation with 1/2" FIP fittings
- All Mini-Resters are AA size



CONSIDER SIOUX CHIEF AS YOUR
**ROUGH
 PLUMBING
 ARMORY**
 TOGETHER, WE WILL TAKE THE FIELD.

» SUPPLY > ARRESTERS & PRIMERS > Mini-Rester



ACCESS

LAUNDRY BOXES

Non-Arrester
Arrester
Fire-Rated

ICE MAKER BOXES

Non-Arrester
Arrester
Fire-Rated

LAVATORY BOXES

Non-Arrester
Arrester
Fire-Rated

TOILET/DISHWASHER BOXES

Non-Arrester
Arrester
Fire-Rated

GAS BOXES

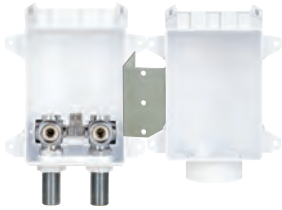
Fire-Rated

ACCESSORIES

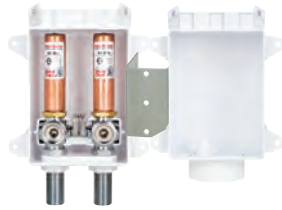
Frames
Metal Frames
Metal Locking Door
Frame Inserts
Boxes
Extensions
Box Clip
Shank Nut
Outlet Caps
Sliding Support Bracket
Valves

PANELS

Plastic
Metal



Ox Box™
Washing Machine Outlet Box
p 243



Ox Box™
Washing Machine Outlet Box
with Mini-Rester
p 244



Ox Box™
Ice Maker Outlet Box
p 245



Ox Box™
Ice Maker Outlet Box
with Mini-Rester
p 246



Ox Box™
Lavatory Outlet Box
p 247



Ox Box™
Lavatory Outlet Box
with Mini-Rester
p 247



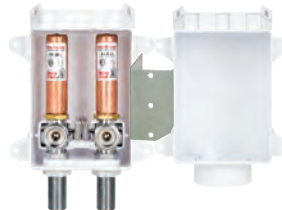
Ox Box™
Toilet/Dishwasher Outlet Box
p 248



Ox Box™
Toilet/Dishwasher Outlet Box
with Mini-Rester
p 248



Fire-Rated Ox Box™
Washing Machine Outlet Box
p 249



Fire-Rated Ox Box™
Washing Machine Outlet Box
with Mini-Rester
p 250



Fire-Rated Ox Box™
Ice Maker Outlet Box
p 250



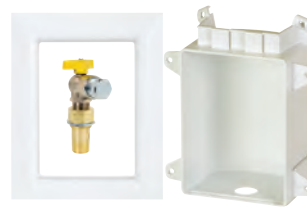
Fire-Rated Ox Box™
Ice Maker Outlet Box
with Mini-Rester
p 251



Fire-Rated Ox Box™
Lavatory Outlet Box
p 251



Fire-Rated Ox Box™
Toilet/Dishwasher Outlet Box
p 252



Ox Box™
Gas Valve Outlet Box
p 252



Ox Box™
ONE
p 253



SpecBox™
Shallow Stainless Steel Supply
Access Box
p 256



Access Box Valves
Laundry Long-Shank Valves
p 257



Over/Under™ Access Panel
Two Piece
p 258



Metal Access Panel
Hinged Two Piece
p 259

Ox Box™

Outlet Box

Patent #7,360,553 & #7,735,511

- **Strong:** Over the stud application offers the industry's strongest installation
- **Fast:** Installation times are cut in half
- **Flexible:** Separate boxes offer endless configuration options
- **Durable:** ABS material stands up to job site abuse
- **Approvals:**
 - Standard packaged Ox Box™ kits are UPC listed.
 - Fire-Rated Ox Box kits are Warnock Hersey Certified.
 - Valves comply with ASME A112.18.1

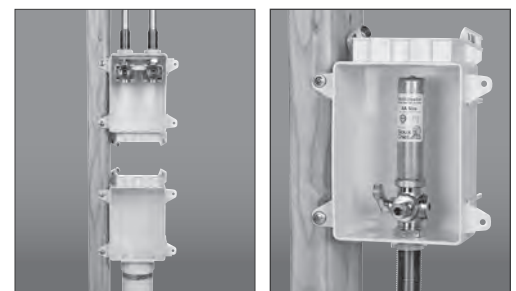
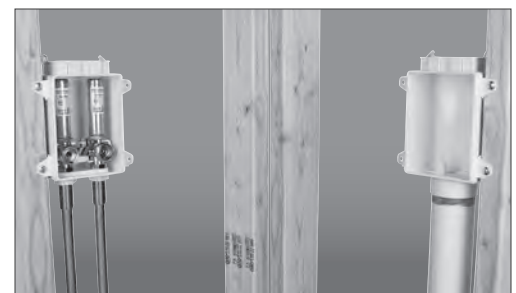
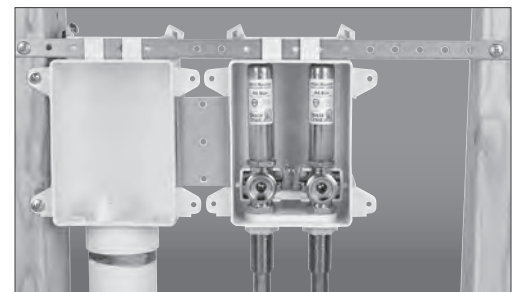
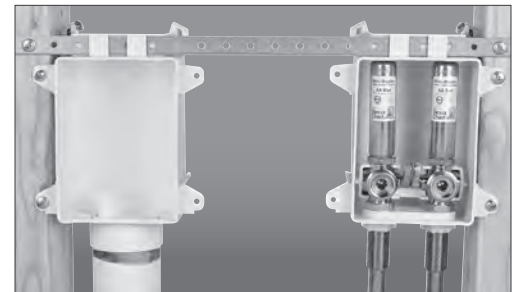
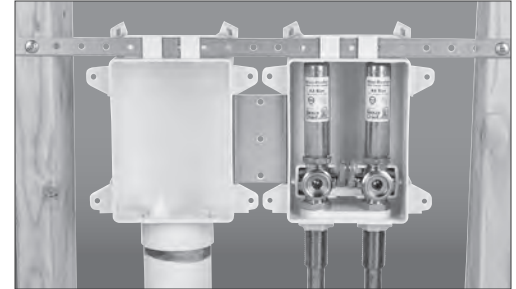
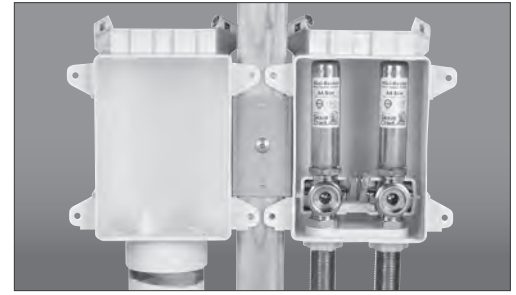


Build Item Numbers

- Items not listed within this catalog can be custom built with a minimum order of 30 units

696	-	2	3	1	3	X	F		
Series	A	B	C	D	E	F	G	H	

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A Special Standards</p> <ul style="list-style-type: none"> - Standard product R Fire-rated package with intumescent pads and fire-rated frame -G Supplied valves are no lead alloy 693 with low zinc RG Supplied valves are no lead alloy 693 with low zinc and packaged with intumescent pad and fire-rated frame <p>B Supply Box Options</p> <ul style="list-style-type: none"> 1 Single-hole Ox Box 2 Double-hole Ox Box <p>C Drain Box Options</p> <ul style="list-style-type: none"> 0 No drain box included 3 Drain box included 4 Supply box with drain <p>D Valve and Arrester Options</p> <ul style="list-style-type: none"> 0 No water hammer arresters on valves 1 Water hammer arresters on valves 2 Accessible, integral, secondary stop on valves | <p>E Outlet Options</p> <ul style="list-style-type: none"> 0 ¼" compression connection 1 ⅜" compression connection 3 ¾" male hose thread connection <p>F Inlet Options</p> <ul style="list-style-type: none"> A ½" F2080 PEX C ½" male CPVC M ½" female sweat V ½" Viega® PEX Press® W ½" F1960 PEX X ½" F1807 PEX <p>G Frame Options</p> <ul style="list-style-type: none"> F Frames included R Rough-in package, frames sold separately <p>H Extra Options</p> <ul style="list-style-type: none"> — None 26 Includes 26" galvanized support bracket S Includes 72"-long, ¼" stainless steel hose PK4 Retail box |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Ox Box™

Supply Box

- Choose from valves with or without Mini-Rester™ water hammer arresters
- The Ox Box™ supply box is available in many connections
 - Female sweat
 - CPVC
 - PEX F1807 †
 - PEX F1960 †
 - PEX F2080 †
 - Viega® PEX Press® †
- All valve options offered with dual-handle functionality and single-handle look

No Lead Compliant Products

Ox Box product is available with valves made from no lead alloy C69300 (non-bismuth) brass. This alloy is additionally low in zinc to protect against aggressive water conditions.

Products marked with this "No Lead" icon comply with national, no lead product material requirements and also comply with NSF 61, which allows the product to contain no more than 0.25% lead.



Mini-Rester Water Hammer Arrester 1/4-Turn Ball Valves



1/4-Turn Ball Valves



1/2" Female sweat



1/2" CPVC



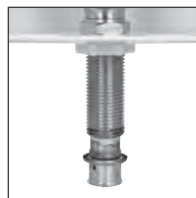
1/2" PEX F1807



1/2" PEX F1960



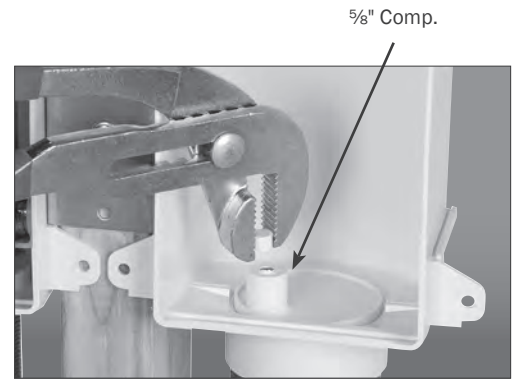
1/2" PEX F2080



1/2" Viega PEX Press

Drain Box

- The Ox Box drain box includes an integrated test nipple. Pinch and twist the nipple, and the system is ready to test using a 5/8" compression x air or water inlet test device.



- The drain knockout easily removes in one piece, and will not fall down the drain



† Note on ASTM PEX Fitting Standards:

ASTM F 1807: PEX Barb Insert Fittings Utilizing a Copper Crimp Ring.
 ASTM F 1960: PEX Cold Expansion Fittings Utilizing a PEX Compression Ring.
 ASTM F 2080: PEX Cold Expansion Fittings Utilizing a Metal Compression Ring.
 Viega PureFlow PEX Press® fittings: Viega PEX Press Sleeve provided to connect PEX tubing to a Viega PEX Press fitting.

Ox Box™

Washing Machine Outlet Box

Patent #7,360,553 & #7,735,511

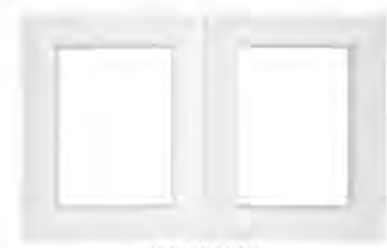
- Boxes mount securely to stud or over studs
- Separates supply and drainage systems into two stud bays
- Separate boxes offer flexible layout
- Durable ABS stands up to job site abuse
- Drain knockout is easy to remove with pliers
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valves
- 3/4" male hose-thread outlet connections



The debris cover protects valves from drywall mud and paint during construction.

[CLICK FOR SUBMITTAL](#)

Standard Pack



696-2303MF

Rough-in Pack



Order frames 696-2303MR separately.

Display Box



696-2303MFPK4



696-2323MF

Related Products

Frames for Rough-in Packs

[p 254](#)

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2303MF	1/2" female sweat		B*	10	10
696-2303CF	1/2" CPVC male		B*	10	10
696-2303XF	1/2" PEX F1807		B*	10	10
696-2303WF	1/2" PEX F1960		B*	10	10
696-2303AF	1/2" PEX F2080		B*	10	10
696-2303VF	1/2" Viega PEX Press		B*	10	10
696-G2303MF	1/2" female sweat, no lead	✓	B*	10	10
696-G2303CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G2303XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G2303WF	1/2" PEX F1960, no lead	✓	B*	10	10
ROUGH-IN PACK					
696-2303MR	1/2" female sweat		B*	10	10
696-2303CR	1/2" CPVC male		B*	10	10
696-2303XR	1/2" PEX F1807		B*	10	10
696-2303WR	1/2" PEX F1960		B*	10	10
696-2303AR	1/2" PEX F2080		B*	10	10
STANDARD PACK BAR-CODED IN DISPLAY BOX					
696-2303MFPK4	1/2" female sweat		B*	4	4
696-2303CFPK4	1/2" CPVC male		B*	4	4
696-2303XFPK4	1/2" PEX F1807		B*	4	4
696-G2303MFPK4	1/2" female sweat, no lead	✓	B*	4	4
696-G2303CFPK4	1/2" CPVC male, no lead	✓	B*	4	4
696-G2303XFPK4	1/2" PEX F1807, no lead	✓	B*	4	4
INTEGRAL SECONDARY STOP VALVES STANDARD PACK					
696-2323MF	1/2" female sweat		B*	10	10



SUPPLY
DRAINAGE
SUPPORT
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SUPPLY

DRAINAGE

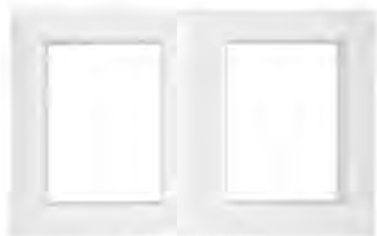
SUPPORT

APPENDIX

Standard Pack



696-2313MF



Rough-in Pack



Order frames 696-2313MR separately.

Display Box



696-2313MFPK4

Ox Box™

Washing Machine Outlet Box with Mini-Rester™ Water Hammer Arresters

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Separates supply and drainage systems into two stud bays
- Separate boxes offer flexible layout
- Durable ABS stands up to job site abuse
- Drain knockout is easy to remove with pliers
- With two Mini-Rester water hammer arresters
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valves
- 3/4" male hose-thread outlet connections

CLICK FOR SUBMITTAL



The debris cover protects valves from drywall mud and paint during construction.

Related Products
Frames for Rough-in Packs

p 254

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2313MF	1/2" female sweat		B*	10	10
696-2313CF	1/2" CPVC male		B*	10	10
696-2313XF	1/2" PEX F1807		B*	10	10
696-2313WF	1/2" PEX F1960		B*	10	10
696-2313AF	1/2" PEX F2080		B*	10	10
696-2313VF	1/2" Viega PEX Press		B*	10	10
696-G2313MF	1/2" female sweat, no lead	✓	B*	10	10
696-G2313CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G2313XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G2313WF	1/2" PEX F1960, no lead	✓	B*	10	10
ROUGH-IN PACK					
696-2313MR	1/2" female sweat		B*	10	10
696-2313CR	1/2" CPVC male		B*	10	10
696-2313XR	1/2" PEX F1807		B*	10	10
696-2313WR	1/2" PEX F1960		B*	10	10
696-2313AR	1/2" PEX F2080		B*	10	10
696-G2313CR	1/2" CPVC male		B*	10	10
ROUGH-IN PACK WITH 26" BAR					
696-2313MR26	1/2" female sweat		B*	10	10
696-2313CR26	1/2" CPVC male		B*	10	10
696-2313XR26	1/2" PEX F1807		B*	10	10
STANDARD PACK BAR-CODED IN DISPLAY BOX					
696-2313MFPK4	1/2" female sweat		B*	4	4
696-2313CFPK4	1/2" CPVC male		B*	4	4
696-2313XFPK4	1/2" PEX F1807		B*	4	4
696-G2313MFPK4	1/2" female sweat, no lead	✓	B*	4	4
696-G2313CFPK4	1/2" CPVC male, no lead	✓	B*	4	4
696-G2313XFPK4	1/2" PEX F1807, no lead	✓	B*	4	4



Ox Box™

Ice Maker Outlet Box

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Durable ABS stands up to job site abuse
- Box mounts easily to stud for top or bottom supply
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valve
- 1/4" O.D. compression outlet connection



The debris cover protects valves from drywall mud and paint during construction.

[CLICK FOR SUBMITTAL](#)

Related Products

Frame for Rough-in Packs

p 254

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-1000MF	1/2" female sweat		B*	10	10
696-1000CF	1/2" CPVC male		B*	10	10
696-1000XF	1/2" PEX F1807		B*	10	10
696-1000WF	1/2" PEX F1960		B*	10	10
696-1000AF	1/2" PEX F2080		B*	10	10
696-1000VF	1/2" Viega PEX Press		B*	10	10
696-G1000MF	1/2" female sweat, no lead	✓	B*	10	10
696-G1000CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G1000XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G1000WF	1/2" PEX F1960, no lead	✓	B*	10	10
ROUGH-IN PACK					
696-1000MR	1/2" female sweat		B*	10	10
696-1000CR	1/2" CPVC male		B*	10	10
696-1000XR	1/2" PEX F1807		B*	10	10
696-1000WR	1/2" PEX F1960		B*	10	10
696-1000AR	1/2" PEX F2080		B*	10	10
696-G1000MR	1/2" female sweat, no lead	✓	B*	10	10
696-G1000CR	1/2" CPVC male, no lead	✓	B*	10	10
696-G1000XR	1/2" PEX F1807, no lead	✓	B*	10	10
STANDARD PACK WITH 72" STAINLESS STEEL HOSE					
696-1000MFS	1/2" female sweat		B*	10	10
696-1000CFS	1/2" CPVC male		B*	10	10
696-1000XFS	1/2" PEX F1807		B*	10	10
INDIVIDUALLY BAR-CODED IN DISPLAY BOX					
696-1000MFPK4	1/2" female sweat		B*	5	5
696-G1000MFPK4	1/2" female sweat, no lead	✓	B*	5	5



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Standard Pack



696-1010MF

Rough-In Pack



696-1010MR

Order frames separately.

Standard Pack with Stainless Steel Hose



696-1010MFS

Display Box



696-1010MFPK4



Ox Box™

Ice Maker Outlet Box
with Mini-Rester™ Water Hammer Arresters

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Durable ABS stands up to job site abuse
- With Mini-Rester water hammer arrester
- Box mounts easily to stud for top or bottom supply
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valve
- 1/4" O.D. compression outlet connection

CLICK FOR SUBMITTAL

The debris cover protects valves from drywall mud and paint during construction.



Related Products
Frame for Rough-In Packs

p 254

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-1010MF	1/2" female sweat		B*	10	10
696-1010CF	1/2" CPVC male		B*	10	10
696-1010XF	1/2" PEX F1807		B*	10	10
696-1010WF	1/2" PEX F1960		B*	10	10
696-1010AF	1/2" PEX F2080		B*	10	10
696-1010VF	1/2" Viega PEX Press		B*	10	10
696-G1010MF	1/2" female sweat, no lead	✓	B*	10	10
696-G1010CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G1010XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G1010WF	1/2" PEX F1960, no lead	✓	B*	10	10
ROUGH-IN PACK					
696-1010MR	1/2" female sweat		B*	10	10
696-1010CR	1/2" CPVC male		B*	10	10
696-1010XR	1/2" PEX F1807		B*	10	10
696-1010WR	1/2" PEX F1960		B*	10	10
696-1010AR	1/2" PEX F2080		B*	10	10
696-G1010MR	1/2" female sweat, no lead	✓	B*	10	10
696-G1010CR	1/2" CPVC male, no lead	✓	B*	10	10
696-G1010XR	1/2" PEX F1807, no lead	✓	B*	10	10
STANDARD PACK WITH 72" STAINLESS STEEL HOSE					
696-1010MFS	1/2" female sweat		B*	10	10
696-1010CFs	1/2" CPVC male		B*	10	10
696-1010XFS	1/2" PEX F1807		B*	10	10
ROUGH-IN PACK WITH 26" BAR					
696-1010MR26	1/2" female sweat		B*	10	10
696-1010CR26	1/2" CPVC male		B*	10	10
696-1010XR26	1/2" PEX F1807		B*	10	10
INDIVIDUALLY BAR-CODED IN DISPLAY BOX					
696-1010MFPK4	1/2" female sweat		B*	5	5
696-G1010MFPK4	1/2" female sweat, no lead	✓	B*	5	5
696-G1010XFPK4	1/2" PEX F1807, no lead	✓	B*	5	5

Ox Box™

Lavatory Outlet Box

Patent #7,360,553 & #7,735,511

- ABS boxes mount securely to stud or over studs
- Allows for straight and secure supply stops recessed into the wall
- Eliminates backbreaking labor of cleaning stub outs and installing supply stops
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valves with $\frac{3}{8}$ " O.D. compression outlet connections

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2001MF	$\frac{1}{2}$ " female sweat		B*	10	10
696-2001CF	$\frac{1}{2}$ " CPVC male		B*	10	10
696-2001XF	$\frac{1}{2}$ " PEX F1807		B*	10	10
696-2001WF	$\frac{1}{2}$ " PEX F1960		B*	10	10
696-2001AF	$\frac{1}{2}$ " PEX F2080		B*	10	10
696-G2001MF	$\frac{1}{2}$ " female sweat, no lead	✓	B*	10	10
696-G2001CF	$\frac{1}{2}$ " CPVC male, no lead	✓	B*	10	10
696-G2001XF	$\frac{1}{2}$ " PEX F1807, no lead	✓	B*	10	10
696-G2001WF	$\frac{1}{2}$ " PEX F1960, no lead	✓	B*	10	10
ROUGH-IN PACK					
696-2001MR	$\frac{1}{2}$ " female sweat		B*	10	10
696-2001CR	$\frac{1}{2}$ " CPVC male		B*	10	10
696-2001XR	$\frac{1}{2}$ " PEX F1807		B*	10	10



696-2001MF

Rough-In Pack



696-2001MR

Order frames separately.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Ox Box™Lavatory Outlet Box
with Mini-Rester™ Water Hammer Arresters

Patent #7,360,553 & #7,735,511

- ABS boxes mount securely to stud or over studs
- Allows for straight and secure supply stops recessed into the wall
- Eliminates backbreaking labor of cleaning stub outs and installing supply stops
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valves with $\frac{3}{8}$ " O.D. compression outlet connections

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2011MF	$\frac{1}{2}$ " female sweat		B*	10	10
696-2011CF	$\frac{1}{2}$ " CPVC male		B*	10	10
696-2011XF	$\frac{1}{2}$ " PEX F1807		B*	10	10
696-2011WF	$\frac{1}{2}$ " PEX F1960		B*	10	10
696-G2011MF	$\frac{1}{2}$ " female sweat, no lead	✓	B*	10	10
696-G2011CF	$\frac{1}{2}$ " CPVC male, no lead	✓	B*	10	10
696-G2011XF	$\frac{1}{2}$ " PEX F1807, no lead	✓	B*	10	10
696-G2011WF	$\frac{1}{2}$ " PEX F1960, no lead	✓	B*	10	10



696-2011MF



Standard Pack



696-1001MF

CLICK FOR SUBMITTAL

Ox Box™

Toilet/Dishwasher Outlet Box

Patent #7,360,553 & #7,735,511

- ABS boxes mount securely to stud or over studs
- Allows for straight and secure supply stops recessed into the wall
- Eliminates backbreaking labor of cleaning stub outs and installing supply stops
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valves with 3/8" O.D. compression outlet connection



Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-1001MF	1/2" female sweat		B*	10	10
696-1001CF	1/2" CPVC male		B*	10	10
696-1001XF	1/2" PEX F1807		B*	10	10
696-1001WF	1/2" PEX F1960		B*	10	10
696-1001AF	1/2" PEX F2080		B*	10	10
696-G1001MF	1/2" female sweat, no lead	✓	B*	10	10
696-G1001CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G1001XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G1001WF	1/2" PEX F1960, no lead	✓	B*	10	10

Standard Pack



696-1011MF

CLICK FOR SUBMITTAL

Ox Box™

Toilet/Dishwasher Outlet Box with Mini-Rester™ Water Hammer Arresters

Patent #7,360,553 & #7,735,511

- ABS boxes mount securely to stud or over studs
- Allows for straight and secure supply stops recessed into the wall
- Eliminates backbreaking labor of cleaning stub outs and installing supply stops
- Debris covers included to protect boxes from drywall mud and paint
- High-quality quarter-turn ball valves with 3/8" O.D. compression outlet connection



Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-1011MF	1/2" female sweat		B*	10	10
696-1011CF	1/2" CPVC male		B*	10	10
696-1011XF	1/2" PEX F1807		B*	10	10
696-1011WF	1/2" PEX F1960		B*	10	10
696-1011AF	1/2" PEX F2080		B*	10	10
696-G1011MF	1/2" female sweat, no lead	✓	B*	10	10
696-G1011CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G1011XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G1011WF	1/2" PEX F1960, no lead	✓	B*	10	10

Fire-Rated Ox Box™

Outlet Box

Patent #7,360,553 & #7,735,511

- Over-the-stud installation or separate stud installation is required, see instructions
- Warnock Hersey Certified
- Constructed using fire-retardant plastic resin
- Over-the-stud installation is the quickest, easiest, strongest, and carries the highest rated fire certification in the industry
- Debris covers included to protect boxes from drywall mud and paint

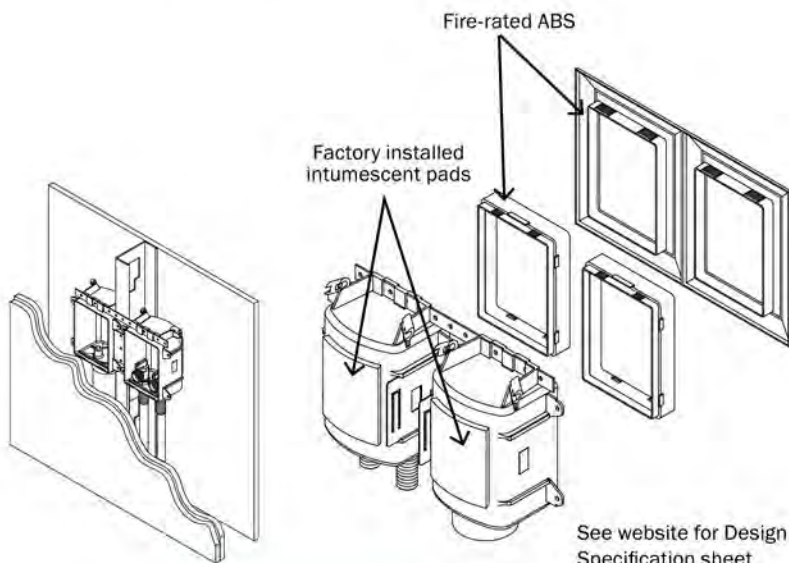


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



The Fire-Rated Ox Box™ is certified by Intertek/Warnock Hersey to the following Fire Rating Standards:

ASTM E-814

2 hours (F), 1½ hours (T)
for 2-hour design

1 hour (F), 31 min (T)
for 1-hour design

CAN/ULC S115

2 hours (F), 1½ hours (T)
for 2-hour design

1 hour (F), 31 min (T)
for 1-hour design

ASTM E119

UL 1479



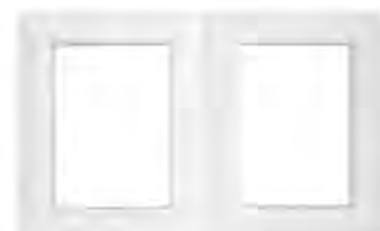
Fire-Rated Ox Box™

Washing Machine Outlet Box

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Separates supply and drainage systems into two stud bays
- Drain knockout is easy to remove with pliers
- Supply lines can be mounted from above or below
- High-quality quarter-turn ball valves
- ¾" male hose-thread outlet connections

Standard Pack



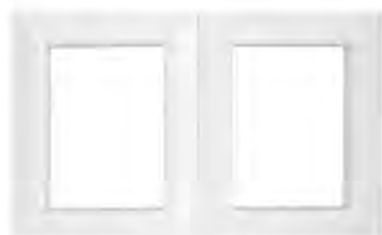
696R2303MF

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R2303MF	½" female sweat		B*	10	10
696R2303CF	½" CPVC male		B*	10	10
696R2303XF	½" PEX F1807		B*	10	10
696R2303WF	½" PEX F1960		B*	10	10
696R2303AF	½" PEX F2080		B*	10	10
696RG2303MF	½" female sweat, no lead	✓	B*	10	10
696RG2303CF	½" CPVC male, no lead	✓	B*	10	10
696RG2303XF	½" PEX F1807, no lead	✓	B*	10	10
696RG2303WF	½" PEX F1960, no lead	✓	B*	10	10



CLICK FOR SUBMITTAL

Standard Pack



696R2313MF

CLICK FOR SUBMITTAL



Fire-Rated Ox Box™

Washing Machine Outlet Box with Mini-Rester™ Water Hammer Arresters

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Separates supply and drainage systems into two stud bays
- Supply lines can be mounted from above or below
- High-quality quarter-turn ball valves with 3/4" male hose-thread outlet connections

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R2313MF	1/2" female sweat		B*	10	10
696R2313CF	1/2" CPVC male		B*	10	10
696R2313XF	1/2" PEX F1807		B*	10	10
696R2313WF	1/2" PEX F1960		B*	10	10
696R2313AF	1/2" PEX F2080		B*	10	10
696R2313VF	1/2" Viega PEX Press		B*	10	10
696RG2313MF	1/2" female sweat, no lead	✓	B*	10	10
696RG2313CF	1/2" CPVC male, no lead	✓	B*	10	10
696RG2313XF	1/2" PEX F1807, no lead	✓	B*	10	10
696RG2313WF	1/2" PEX F1960, no lead	✓	B*	10	10

Standard Pack



696R1000MF

CLICK FOR SUBMITTAL



Fire-Rated Ox Box™

Ice Maker Outlet Box

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Box mounts easily to stud for top or bottom supply
- High-quality quarter-turn ball valves with 1/4" O.D. compression outlet connection

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R1000MF	1/2" female sweat		B*	10	10
696R1000CF	1/2" CPVC male		B*	10	10
696R1000XF	1/2" PEX F1807		B*	10	10
696R1000WF	1/2" PEX F1960		B*	10	10
696R1000AF	1/2" PEX F2080		B*	10	10
696R1000VF	1/2" Viega PEX Press		B*	10	10
696RG1000MF	1/2" female sweat, no lead	✓	B*	10	10
696RG1000CF	1/2" CPVC male, no lead	✓	B*	10	10
696RG1000XF	1/2" PEX F1807, no lead	✓	B*	10	10
696RG1000WF	1/2" PEX F1960, no lead	✓	B*	10	10

Fire-Rated Ox Box™Ice Maker Outlet Box
with Mini-Rester™ Water Hammer Arresters

Patent #7,360,553 & #7,735,511

- Boxes mount securely to stud or over studs
- Box mounts easily to stud for top or bottom supply
- High-quality quarter-turn ball valves with ¼" O.D. compression outlet connection

Standard Pack



696R1010MF

CLICK FOR SUBMITTAL

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R1010MF	½" female sweat		B*	10	10
696R1010CF	½" CPVC male		B*	10	10
696R1010XF	½" PEX F1807		B*	10	10
696R1010WF	½" PEX F1960		B*	10	10
696R1010AF	½" PEX F2080		B*	10	10
696R1010VF	½" Viega PEX Press		B*	10	10
696RG1010MF	½" female sweat, no lead	✓	B*	10	10
696RG1010CF	½" CPVC male, no lead	✓	B*	10	10
696RG1010XF	½" PEX F1807, no lead	✓	B*	10	10
696RG1010WF	½" PEX F1960, no lead	✓	B*	10	10

**Fire-Rated Ox Box™**

Lavatory Outlet Box

Patent #7,360,553 & #7,735,511

- ABS boxes mount securely to stud or over studs
- Eliminates cleaning stub outs and installing supply stops at finish
- Debris covers included
- High-quality quarter-turn ball valves

Standard Pack



696R2001MF

CLICK FOR SUBMITTAL

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R2001MF	½" female sweat		B*	10	10
696R2001CF	½" CPVC male		B*	10	10
696R2001XF	½" PEX F1807		B*	10	10
696R2001WF	½" PEX F1960		B*	10	10
696R2001AF	½" PEX F2080		B*	10	10
696RG2001MF	½" female sweat, no lead	✓	B*	10	10
696RG2001CF	½" CPVC male, no lead	✓	B*	10	10
696RG2001XF	½" PEX F1807, no lead	✓	B*	10	10
696RG2001WF	½" PEX F1960, no lead	✓	B*	10	10
MINI-RESTER STANDARD PACK					
696R2011CF	½" CPVC male		B*	10	10



Fire-Rated Ox Box™

Toilet/Dishwasher Outlet Box

Patent #7,360,553 & #7,735,511

- ABS boxes mount securely to stud or over studs
- Eliminates cleaning stub outs and installing supply stops at finish
- Debris covers included
- High-quality quarter-turn ball valves

Standard Pack



696R1001MF

Mini-Rester™ Standard Pack



696RG1011MF



CLICK FOR SUBMITTAL

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R1001MF	1/2" female sweat		B*	10	10
696R1001CF	1/2" CPVC male		B*	10	10
696R1001XF	1/2" PEX F1807		B*	10	10
696R1001AF	1/2" PEX F2080		B*	10	10
696RG1001MF	1/2" female sweat, no lead	✓	B*	10	10
696RG1001CF	1/2" CPVC male, no lead	✓	B*	10	10
696RG1001XF	1/2" PEX F1807, no lead	✓	B*	10	10

Ox Box™

Gas Valve Outlet Box & Fire-Rated Gas Valve Outlet Box

Patent #7,360,553 & #7,735,511

- 1/4-turn ball valve for easy, secure, accessible operation
- Box is available for 1/2" or 3/4" iron-pipe applications or 1/2" CSST applications in both standard and fire-rated products
- Recessed box is made of high-impact ABS, providing the strongest finished installation for all gas appliance needs
- Valve has CSA certification to ANSI Z21.15-1997 / CGA 9.1-M97



696-1031GF



696-1020GF

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CLICK FOR FIRE-RATED SUBMITTAL

Item No.	Connection	Pkg	Min. Qty	Case Qty
GAS OX BOX				
696-1021GF	1/2" NPT valve and adapter for iron pipe, bagged	B	6	6
696-1031GF	3/4" NPT valve and adapter for iron pipe, bagged	B	6	6
696-1020GF	1/2" FIP valve for CSST connection, bagged	B	6	6
FIRE-RATED GAS OX BOX				
696R1021GF	1/2" NPT valve and adapter for iron pipe, bagged	B	6	6
696R1031GF	3/4" NPT valve and adapter for iron pipe, bagged	B	6	6
696R1020GF	1/2" FIP valve for CSST connection, bagged	B	6	6
OX BOX ACCESSORIES				
696-EX	Frame extension	B	10	10
696-SC	Solid frame insert	B	10	10



696-EX

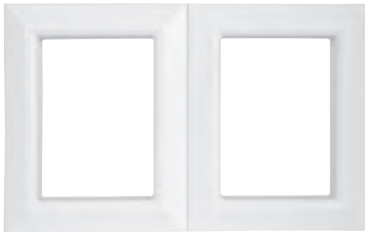


696-SC



“ After visiting your plant, we have decided to make changes in our operation to start using many of your products. We think that your products and your customer support is an excellent asset to our business. ”

Ross Zacharzuk, President
Precision Plumbing Inc.



696-2F



696-SC



696-LC



696-SC1



696-2



696-EX



696-BC

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Ox Box™

Accessories

Frame

- Textured and paintable ABS
- Single frame for ice maker application
- Double frame for washing machine application easily splits for separated box installations

Insert

- Textured and paintable ABS
- Louvered frame insert provides 7.99 in² of free grate area
- Solid cover plate provides a clean look for frequently used accessible plumbing valves

Outlet Box

- Made from tough ABS
- Installs directly to stud or by bracket
- May be installed with supply from above or below
- One-hole boxes for ice maker, toilet, gas and AAV access; two-hole boxes for wash, lav access
- Washing machine supply box can be placed above or to the left and to the right of drain box and includes debris cover

Extension

- Can be attached to outlet box for additional 1/2" of drywall depth
- Extensions can be stacked to desired access depth

Box Clip

- Box clip connects two Ox Box™ outlet boxes
- Enables the strongest outlet box installation by straddling wood or metal studs
- Tabs fold into metal stud for added rigidity



Item No	Description	Pkg	Min Qty	Case Qty
FRAME				
696-1F	Single frame	B	10	10
696-2F	Double frame	B	10	10
696-3F	Drain box with single frame	B	10	10
INSERT				
696-LC	Louvered frame insert	B	10	10
696-SC	Solid frame insert	B	10	10
696-SC1	Solid frame insert with valve cutout	B	10	10
OUTLET BOX				
696-1	One-hole supply box	B	10	10
696-2	Two-hole supply box	B	10	10
696-3	Drain box	B	10	10
696R3	Drain box with fire pad and frame	B	10	10
696-5	1 5/16" one-hole supply box for large shank valves	B	10	10
696-6	1 1/2" one-hole box for DWV pipe	B	10	10
696-7	2" one-hole box for DWV pipe	B	10	10
EXTENSION				
696-EX	Frame extension	B	10	10
BOX CLIP				
696-BC	Box clip	B	10	10

Ox Box™

Secondary Drainage Funnel

Patent #8,020,581

- Ideal for adding condensate, water softener or other auxillary lines to drain box
- Can be used in conjunction with washing machine drain hose
- Drains 7 GPM
- Securely sets into drain box through integral bottom ridges in the drain box and is held firmly in place with provided clip
- Two-piece design snaps together for fast installation and easy cleaning
- Fingers in top housing hold ½" CTS - 1" DWV piping firmly in place

CLICK FOR SUBMITTAL



696-CF



Item No	Description	Pkg	Min Qty	Case Qty
696-CF	Secondary drainage funnel	B*	10	10



SUPPLY

DRAINAGE

SUPPORT

TurboVent™ with Ox Box™

Air Admittance Valve with Outlet Box

- Package includes:
 - TurboVent™ air admittance valve
 - Ox Box outlet box
 - DWV pipe adapter
 - Frame and louvered insert



696-11P

CLICK FOR SUBMITTAL



APPENDIX

TurboVent p 396
More information including purchasing options

Item No	Description	Pkg	Min Qty	Case Qty
PVC				
250-696122P	TurboVent with Dual Fit Adapter & Ox Box Kit	B*	1	6
250-696R122P	TurboVent with Dual Fit Adapter & Fire-Rated Ox Box Kit	B*	1	6
696-11P	TurboVent with Adapter & Ox Box Kit, 1½" Sch. 40 Hub	B*	1	6
696-12P	TurboVent with Adapter & Ox Box Kit, 2" Sch. 40 Hub	B*	1	6
ABS				
250-696122A	TurboVent with Dual Fit Adapter & Ox Box Kit	B*	1	6
250-696R122A	TurboVent with Dual Fit Adapter & Fire-Rated Ox Box Kit	B*	1	6
696-11A	TurboVent with Adapter & Ox Box Kit, 1½" Sch. 40 Hub	B*	1	6
696-12A	TurboVent with Adapter & Ox Box Kit, 2" Sch. 40 Hub	B*	1	6







“You have a terrific company; awesome people all lead by obviously dynamic owners and management. We look forward to growing our business and strengthening our relationship.”

Scott Smith
F. W. Webb

SUPPLY

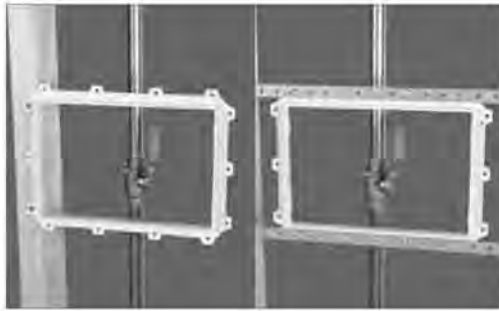
DRAINAGE

SUPPORT

APPENDIX



970-269S



Over/Under™ Access Panel

Two-Piece

Patent #D635,098

- Easily installs before or after wallboard installation
- No need for glue or adhesives
- Provides instant access to plumbing, electrical, telephone and other electronic cables
- Pre-wallboard installation works with 1/2" - 3/4" wallboard thickness
- Can be painted or wallpapered
- Seamless finish panel is beveled and textured
- Durable HIPS material

CLICK FOR SUBMITTAL



Item No	Dimensions		Material	Pkg	Min Qty	Case Qty
	Outside	Inside Panel				
970-269S	8½" × 11½"	6" × 9"	HIPS	B*	1	6
970-214S	16½" × 16½"	14" × 14"	HIPS	B*	1	6

Plastic Access Panel

Two-Piece

- Provides instant access to plumbing, electrical, telephone and various other electronic cables
- Easy installation
- Can be installed before or after drywall installation
- Can be painted or wallpapered
- Textured panel
- Durable HIPS material

CLICK FOR SUBMITTAL



970-214



Item No	Dimensions		Material	Pkg	Min Qty	Case Qty
	Outside	Inside Panel				
970-208	10¼" × 10¼"	8" × 8"	white ABS	B*	1	12
970-214	17" × 17"	14" × 14"	white ABS	B*	1	12

Plastic Access Panel

One-Piece

- Provides economical access to pressure and drainage plumbing, pipes and wiring
- Surface allows for painting or wallpapering
- 1/8" thick
- Four countersunk holes



970-112

Item No	Dimensions	Material	Pkg	Min Qty	Case Qty
970-112	12" x 12"	white ABS	B	20	20
970-117	17" x 17"	polystyrene	B	12	12



Metal Access Panel

Hinged Two-Piece

- Provides instant access to plumbing, electrical, telephone and various other electronic cables
- Easy installation
- Can be painted
- Made in the USA



971-1414

CLICK FOR SUBMITTAL

Related Products

Electronic Trap Primer Recessed Box p 237

Item No	Dimensions		Material	Pkg	Min Qty	Case Qty
	Outside	Inside Panel				
971-1414	15 1/4" x 15 1/4"	14" x 14"	Painted steel	B	1	1
971-1430	15 1/4" x 31 1/4"	14" x 30"	Painted steel	B	1	1





ROUGHUPTM KITS

SHOWERUPTM

Tub Spout Elbow
Tub/Shower Pressure Connectors
Shower Riser
Brackets

HEATUPTM

Hot Side Connection
Cold Side Connection
Nipple Option
Expansion Tank Option

Preformed Copper

»» Features & Benefits

Reduces labor. Preformed fittings combine multiple products into one solution. These products reduce labor and material investments to save the plumber money and time.

Reduces Cost. Engineered components offer reduced management, purchasing responsibility, inventory and planning.

Expedites bidding. Preformed copper items transition a contractor's variable costs into a fixed cost that expedites bidding and costing for jobs.

Reduces Noise. Increased radius bends on preformed products improve the flow characteristics of the application over traditional products. The larger radius also reduces the noise produced by typical installations.

Quality Engineering. Sioux Chief preformed copper fitting ends are engineered with quality and precision manufacturing using the latest technologies. All fitting bends and ends are made to appropriate ASTM standards, compliant to nationally recognized plumbing codes and guaranteed with one of the industry's leading limited lifetime warranties.

Quality materials. Sioux Chief utilizes the highest grades of material to manufacture preformed copper components. We select only the best partners who have a similar view and desire to provide quality materials, products and parts.

Made in the USA. Sioux Chief is a U.S. manufacturer. We make 95% of the products we sell. We make those products in the heart of the USA.

No-lead. Preformed copper is naturally no-lead, dezincification resistant, cost effective, antimicrobial, and provides the perfect code compliant solutions for any plumbing transition, fitting, or wall termination.

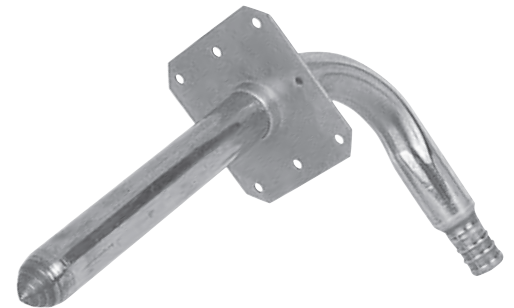
Variety. Sioux Chief has countless preformed copper and fitting capabilities. These capabilities offer endless options and solutions.

Fewer leaks. Fewer fittings mean fewer joints. Fewer joints reduce the chances for a leak. Fewer leaks reduce liability.

Stability. Preformed copper product provides robust wall terminations, which stand up to jobsite abuse.

Aesthetically pleasing. Aesthetically pleasing preformed product can be used to improve the look of a job and become a "calling card" item in a plumber's arsenal to help win a bid.

Customized Parts. Sioux Chief can make the custom item you require. We can bend, form, flare, solder, crimp or anneal product to fit your application. Call for more details.



ROUGHUP™ KITS

Custom SHOWERUP™ KITS

» Shower Tree Assembly System Features & Benefits

Reduces Cost. Each warranted and engineered solution is offered to reduce the labor and material investment by the contractor and save in material requisition costs.

Reduces Time. Each warranted and engineered solution is offered to reduce the labor and material investment by the contractor and save in material requisition costs.

Reduces Risk. Sioux Chief's ShowerUp™ kits eliminate up to 10 solder joints per valve, which means 10 less potential leaks you have to worry about.

Reduces Insurance Cost. With less solder joints, you can remove the torch from the jobsite to reduce insurance costs.

Peace of Mind. ShowerUp™ kits allow you to install a guaranteed leakproof valve every time.

Costing/estimating/bidding control: Estimating jobs is now easier and more efficient due to better materials management and controlled waste.

Layout simplification. The guesswork, in terms of how the different parts will be laid out, is now removed.

Layout standardization. Layouts can be standardized driving an aesthetically pleasing look, and even be a calling card for the contractor for installations. No more piecing together solutions.

Stocking simplification. Since Sioux Chief's kit solutions come as one SKU, inventory management is more efficient. Grab one SKU and go.

Materials Management. Purchasing a ShowerUp™ kit ensures that you'll have the right product, at the right place, at the right time.

Important Notes About Sioux Chief Male Sweat Fitting

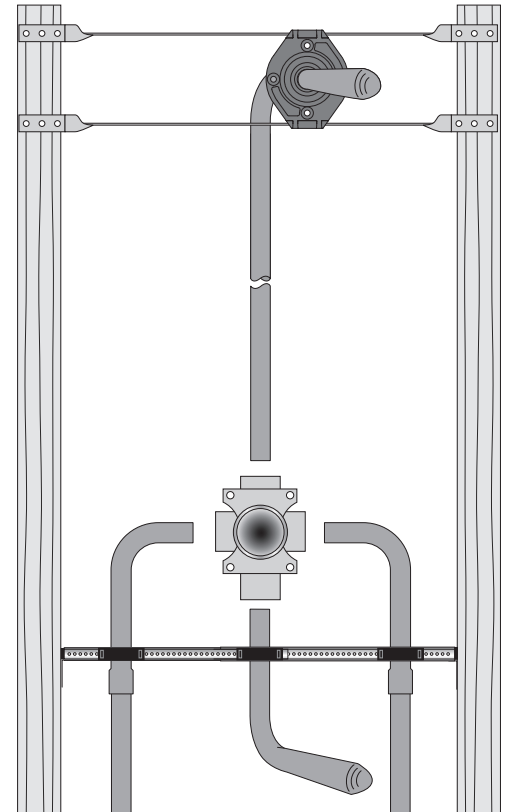
PRESS-FITTING



COMPATIBLE

- All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

- Kits are individually bagged, shipped 12 to a box.



- Tub Spout Elbow p. 265
- Tub/Shower Pressure Connector p. 266
- Shower Riser p. 268
- Brackets p. 270

Related Products

PEX F1807	p 29
PEX F1960	p 99
PEX F2080	p 121
Viega® PEX Press®	p 93
Sweat	p 177
CPVC	p 151

No Lead Compliant Products



- Products marked with this "No Lead" icon comply with national, no lead product material requirements and comply with NSF 61 which allows the product to contain no more than 0.25% lead.

ROUGHUP™ KITS Custom SHOWERUP™ KITS

» Build your own kit

Use the following steps to build a kit using the worksheet on page 271.

1. Start with the ShowerUp™ kit prefix:

Kit Prefix: 693

2. Choose a kit code for each of the following parts:

- A** Tub Spout Elbow (p. 265)
- B** Tub/Shower Pressure Connector (p. 266-267)
- C** Shower Riser (p. 268-269)
- D** Brackets (p. 270)

3. Use this formula to build your kit:

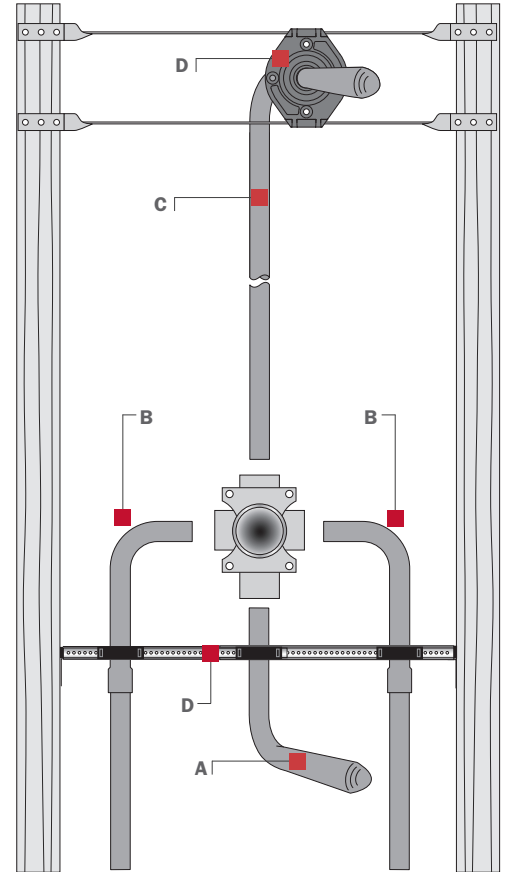
Kit Prefix	A Tub Spout Elbow	B Tub/Shower Pressure Connector	C Shower Riser	D Bracket Option
693 -	00	00	00	00

4. Example Code Formula:

Kit Components	Kit Prefix	A Tub Spout Elbow	B Tub/Shower Pressure Connector	C Shower Riser	D Bracket Option
Kit Code	693 -	13	03	23	03
Description		1/2" Male Sweat 8" x 7"	6" x 2 1/4" male sweat x CPVC	1/2" female sweat x 1/2" FIP drop-ear elbow	Power Bar, 3 TD clamp, 4 screws
Price		\$6.49 EA	\$9.38 EA	\$4.11 EA	\$10.00 EA

Total Cost: **\$29.98**

New Kit Item Number: **693 - 13032303**



The ShowerUp™ kit system allows the use of a full-length copper stub out elbow riser in conjunction with a Shower WallNut™ Arm Adapter. The Shower WallNut Arm Adapter enables the shower arm connection to be made outside the finished wall, so there are no hidden leaks. When a full-length copper stub out elbow riser is used Sioux Chief requires the use of the Shower WallNut System that consists of a Strong Arm with Shower WallNut Lock Block, a Shower WallNut Arm Adapter and a full-length copper stub out elbow riser. A properly installed Shower WallNut System, as seen in the illustration, carries a Limited Lifetime Warranty.

A Tub Spout Elbow

1/2" Male Sweat Connection

Kit Code	Item No	Description
01	—	None (for shower only)
11	613-57	5" x 7"
12	613-67	6" x 7"
13	613-87	8" x 7"
14	613-137	13" x 7"
15	613-139	13" x 9"
16	613-107	10" x 7"
17	622-L03	1/2" x 3" Type L copper stub out

**NO
LEAD**

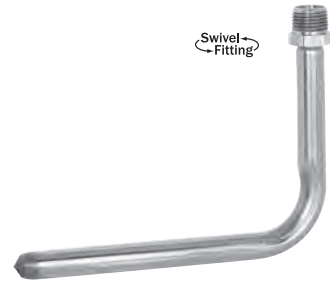


Kit Code 16
613-107

1/2" MIP Connection

Kit Code	Item No	Description
02	613-57X	5" x 7", swivel
03	613-67X	6" x 7", swivel
04	613-87X	8" x 7", swivel
05	613-57M	5" x 7", fixed
06	613-67M	6" x 7", fixed
07	613-87M	8" x 7", fixed

Swivel Fitting



Kit Code 02
613-57X

1/2" FIP Connection

Kit Code	Item No	Description
31	613-57Y	5" x 7", swivel
32	613-67Y	6" x 7", swivel
33	613-87Y	8" x 7", swivel

Swivel Fitting



DO NOT use pipe
dope on FIP threads

Kit Code 31
613-57Y

B Tub/Shower Pressure Connectors

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



F1807 PEX Connection

Kit Code	Item No	Description	NO LEAD
SWEAT × F1807			
14	632X243	4" × 2¼" male sweat × PEX F1807	✓
15	632X263	6" × 2¼" male sweat × PEX F1807	✓
16	632X222	1½" × 1½" male sweat × PEX F1807	✓
18	632X283	8" × 2¼" male sweat × PEX F1807	✓
63	660-TSX	Mini-Rester ½" male sweat branch × ½" PEX F1807	✓
MIP × F1807			
11	646XG2	½" MIP × ½" PEX F1807	✓
12	632X263X	6" × 3" MIP swivel × PEX F1807	
FIP × F1807			
51	647XG2	½" FIP × ½" PEX F1807	✓
52	632X263Y	6" × 3" FIP swivel × PEX F1807	✓
64	660-TSX7	Mini-Rester ½" FIP swivel branch × ½" PEX F1807	

F1960 PEX Connection

Kit Code	Item No	Description	NO LEAD
SWEAT × F1960			
75	632WG263	6" × 2¼" male sweat × ½" F1960	✓
MIP × F1960			
72	632W273X	7" × 3" MIP swivel × PEX F1960	
FIP × F1960			
76	632WG263Y	6" × 3" FIP swivel × ½" PEX F1960	✓

F2080 PEX Connection

Kit Code	Item No	Description
SWEAT × F2080		
91	632A261196	6" × 2¾" male sweat × ½" F2080
MIP × F2080		
92	632A263X	6" × 3" MIP swivel × ½" PEX F2080
FIP × F2080		
93	632A263Y	6" × 3" FIP swivel × ½" PEX F2080

B Tub/Shower Pressure Connectors

Viega® PEX Press® Connection

Kit Code	Item No	Description	NO LEAD
SWEAT × PEX PRESS			
81	632V273	7" × 2¼" male sweat × ½" PEX Press	✓
MIP × PEX PRESS			
82	632V273X	7" × 3" MIP swivel × ½" PEX Press	
FIP × PEX PRESS			
83	632V273Y	7" × 3" FIP swivel × ½" PEX Press	



Kit Code 81
632V273



Kit Code 82
632V273X

CPVC Connection

Kit Code	Item No	Description	NO LEAD
SWEAT × CPVC			
03	632-C263	6" × 2¼" male sweat × CPVC	✓
04	632-C283	8" × 2¼" male sweat × CPVC	✓
05	632-C2123	12" × 2¼" male sweat × CPVC	✓
MIP × CPVC			
01	646-CG2	½" MIP × ½" CPVC	✓
02	632-C263X	6" × 3" MIP swivel × CPVC	
FIP × CPVC			
41	637-C20	½" FIP swivel × ½" CPVC	✓
42	647-CG2	½" FIP × ½" CPVC	✓
43	632-C263Y	6" × 3" FIP swivel × CPVC	✓
65	660-TSV7	Mini-Rester ½" FIP swivel branch × ½" CPVC	



Kit Code 65
660-TSV7



Kit Code 03
632-C263



Kit Code 22
609-L263X



Kit Code 23
609-L263Y

Sweat Connection

Kit Code	Item No	Description	NO LEAD
SWEAT × SWEAT			
26	608-L263A	2¼" × 6" male sweat × ½" male sweat	✓
61	660-TS	Mini-Rester ½" male sweat branch × ½" female sweat	✓
21	609-L263A	6" × 2¼" male sweat × female sweat	✓
MIP × SWEAT			
22	609-L263X	6" × 3" MIP swivel × female sweat	
FIP × SWEAT			
23	609-L263Y	6" × 3" FIP swivel × female sweat	✓
62	660-TSF7	Mini-Rester ½" FIP swivel branch × ½" female sweat	



Kit Code 21
609-L263A

DO NOT use pipe dope on FIP threads

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

C Shower Riser

F1807 PEX Connection



Kit Code 19
643X2
647X2E



Kit Code 12
646XG2
630X248



Kit Code 15
647XG2
630X248



Kit Code 02
646-CG2
630-C248



Kit Code 03
646-CG2
630-C248E



Kit Code 05
637-C20
647-C2E3

Swivel-Fitting

Kit Code	Item No	Description
SWEAT × F1807		
17	643X2 630X248	1/2" male sweat × 1/2" PEX F1807 adapter 1/2" PEX F1807 × spun, 4" × 8" stub out elbow
18	643X2 630X248E	1/2" male sweat × 1/2" PEX F1807 adapter 1/2" PEX F1807 × spun, 4" × 8" stub out elbow w/ear strap
19	643X2 647X2E	1/2" male sweat × 1/2" PEX F1807 adapter 1/2" PEX F1807 × 1/2" FIP drop-ear elbow
MIP × F1807		
11	646XG2 647X2E	1/2" MIP × 1/2" PEX F1807 adapter 1/2" PEX × 1/2" female sweat drop-ear 90
12	646XG2 630X248	1/2" MIP × 1/2" PEX F1807 adapter 1/2" PEX F1807 × spun 4" × 8" stub out elbow
13	646XG2 630X248E	1/2" MIP × 1/2" PEX F1807 adapter 1/2" PEX F1807 × spun 4" × 8" stub out elbow w/ear strap
FIP × F1807		
14	647XG2 647X2E	1/2" FIP × 1/2" PEX F1807 adapter 1/2" PEX F1807 × 1/2" female sweat drop-ear 90
15	647XG2 630X248	1/2" FIP × 1/2" PEX F1807 adapter 1/2" PEX F1807 × spun, 4" × 8" Stub out elbow
16	647XG2 630X248E	1/2" FIP × 1/2" PEX F1807 adapter 1/2" PEX F1807 × spun, 4" × 8" Stub out elbow w/ear strap

CPVC Connection

Kit Code	Item No	Description
MIP × F1807		
02	646-CG2 630-C248	1/2" MIP × 1/2" CPVC 4" × 8" CPVC stub out elbow
03	646-CG2 630-C248E	1/2" MIP × 1/2" CPVC 4" × 8" CPVC stub out elbow w/ear strap
04	646-CG2 647-C2E3	1/2" MIP × 1/2" CPVC 1/2" CPVC drop-ear 90
FIP × F1807		
05	637-C20 647-C2E3	1/2" FIP swivel × 1/2" CPVC 1/2" CPVC drop-ear 90
06	637-C20 630-C248	1/2" FIP swivel × 1/2" CPVC 4" × 8" CPVC stub out elbow
07	637-C20 630-C248E	1/2" FIP swivel × 1/2" CPVC 4" × 8" CPVC stub out elbow w/ear strap

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

C Shower Riser

Sweat Connection

Kit Code	Item No	Description	NO LEAD
SWEAT			
21	609-L248	1/2" female sweat x spun, 4" x 8" stub out elbow	✓
22	609-L248E	1/2" female sweat x spun 4" x 8" stub out elbow w/ear strap	✓
23	616-2E	1/2" female sweat x 1/2" FIP drop-ear elbow	



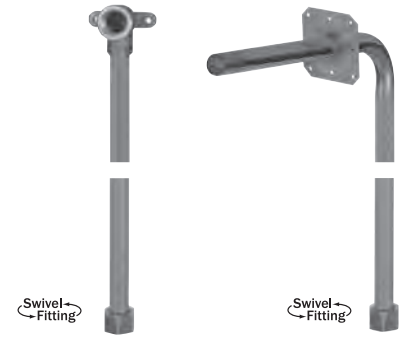
Kit Code 22
609-L248E



Kit Code 23
616-2E

Full-Length Copper

Kit Code	Item No	Description	NO LEAD
SWEAT			
31	616-630	1/2" male sweat x drop-ear 90, 30"	
32	616-650	1/2" male sweat x drop-ear 90, 50"	
51	608-L2308	1/2" male sweat x spun, 30" x 8" stub out elbow	✓
52	608-L2308E	1/2" male sweat x spun, 30" x 8" stub out elbow w/ear strap	✓
53	608-L2508	1/2" male sweat x spun, 50" x 8" stub out elbow	✓
54	608-L2508E	1/2" male sweat x spun, 50" x 8" stub out elbow w/ear strap	✓
MIP			
41	616-630X	1/2" MIP swivel x drop-ear 90, 30"	
42	616-650X	1/2" MIP swivel x drop-ear 90, 50"	
61	608-L2308X	1/2" MIP swivel x spun, 30" x 8" stub out elbow	
62	608-L2308EX	1/2" MIP swivel x spun, 30" x 8" stub out elbow w/ear strap	
63	608-L2508X	1/2" MIP swivel x spun, 50" x 8" stub out elbow	
64	608-L2508EX	1/2" MIP swivel x spun, 50" x 8" stub out elbow w/ear strap	
FIP			
43	616-630Y	1/2" FIP swivel x drop-ear 90, 30"	
44	616-650Y	1/2" FIP swivel x drop-ear 90, 50"	
71	608-L2308Y	1/2" FIP swivel x spun, 30" x 8" stub out elbow	
72	608-L2308EY	1/2" FIP swivel x spun, 30" x 8" stub out elbow w/ear strap	
73	608-L2508Y	1/2" FIP swivel x spun, 50" x 8" stub out elbow	
74	608-L2508EY	1/2" FIP swivel x spun, 50" x 8" stub out elbow w/ear strap	



Kit Code 43
616-630Y

Kit Code 72
608-L2308EY

DO NOT use pipe dope on FIP threads



Kit Code 31
616-630

Kit Code 41
616-630X

Kit Code 61
608-L2308X

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

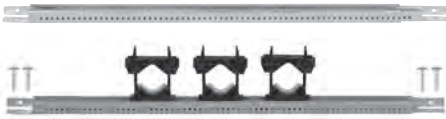


DRAINAGE



Kit Code 01
525-16WLB
523-2434

SUPPORT



Kit Code 03
523-2404
523-2434

APPENDIX

D Brackets

- When a full-length copper stub out elbow riser is used, Sioux Chief requires the use of the Shower WallNut™ System that consists of a Strong Arm with Shower WallNut Lock Block, a Shower WallNut Arm Adapter and a full-length copper stub out elbow riser. (See illustration on p 264)

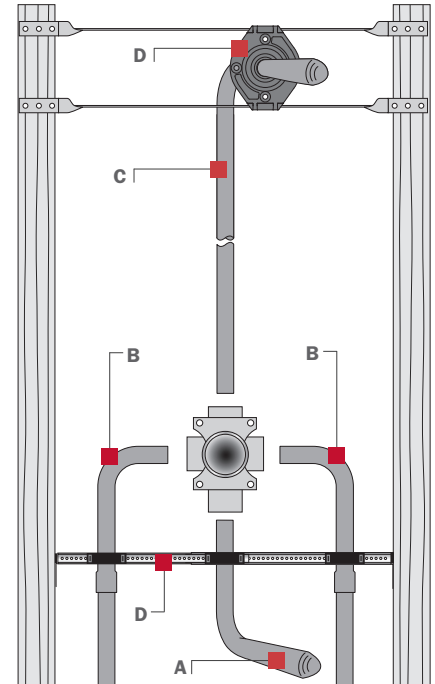
Kit Code	Item No	Description
01	525-16WLB 523-2434	Strong Arm, 16", with 1 Shower WallNut Lock Block, 4 screws Power Bar, 3TD clamp, 4 screws
02	523-2404 523-2424	Power Bar, 6 screws Power Bar, 2TD clamp, 4 screws
03	523-2404 523-2434	Power Bar, 6 screws Power Bar, 3 TD clamp, 4 screws
04	525-16WLB 523-2424	Strong Arm, 16", with 1 Shower WallNut Lock Block, 4 screws Power Bar, 2TD clamp, 4 screws
07	525-24WLB 523-2434	Strong Arm, 24", with 1 Shower WallNut Lock Block, 4 screws Power Bar, 3TD clamp, 4 screws
08	525-24WLB 523-2424	Strong Arm, 24", with 1 Shower WallNut Lock Block, 4 screws Power Bar, 2TD clamp, 4 screws

ROUGHUP™ KITS Kit Worksheet

» Build your own kit

SHOWERUP™ KITS: Build your kit here.

Kit Components	Kit Prefix	A Tub Spout Elbow	B Tub/Shower Pressure Connector	C Shower Riser	D Bracket Option
Kit Code	693 -				
Description					
Price					
Total Cost: _____					
New Kit Item Number: _____					



SUPPLY

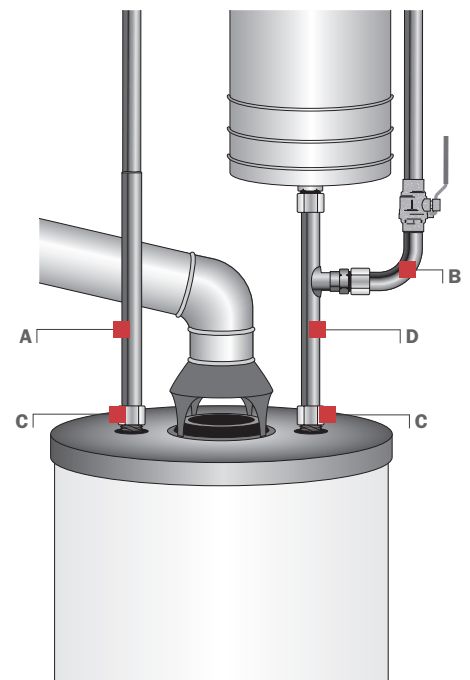
DRAINAGE

SUPPORT

APPENDIX

HEATUP™ KITS: Build your kit here.

Kit Components	Kit Prefix	A Hot Side Connector	B Cold Side Connector	C Nipple Option	D Expansion Tank Option
Kit Code	694 -				
Description					
Price					
Total Cost: _____					
New Kit Item Number: _____					



ROUGHUP™ KITS

Custom HEATUP™ KITS

»» Water Heater Connector Kit Features & Benefits

Increased Efficiencies. Pre-fabricated HeatUp™ kits are perfect for new construction and repair and/or replacement installations.

Purchasing Simplification. HeatUp™ kits offer cold, hot and expansion tank connection options — and since it comes as a kit, one purchase can take care of all of your buying needs.

Versatility. With Sioux Chief's build-you-own kits, you'll find the perfect solutions for what you're looking for. We have kits for tankless water heaters, heating coil loops and more.

Height Adjustable. New heaters are never the same height as the old ones. Full-slip copper allows you to slide the connector onto the remaining copper supply, and then back down to the new height.

Measurement Simplification. Several inches of full-slip copper allow you to cut the copper to the approximate length. Even if you are too long on your cut, the full-slip allows you to slide the joint wherever it needs to be.

Installation Simplification. Soldering copper to copper is hard enough, but soldering to a valve is the toughest. It takes more heat than a normal solder joint, but too much heat will melt the seats and ruin the valve. Having the valve already soldered into the connector is more than just a time saver; it's a valve saver.

Soldering Simplification. Connect the swivel nut to the heater nipple and fully tighten for a proper seal, prior to soldering to the copper tube. Everything will be in place for proper soldering. No more trying to hold loose copper elbows and tees together while soldering. The connector acts like a built-in soldering jig to hold everything.

Professional Look. Sioux Chief has the only preformed connector on the market that is solid copper. When finished, the plumber has a professional, straight, sturdy installation.

Less Waste. Since Sioux Chief's engineered solutions and kit solutions offer savings through innovative products that often combine multiple fittings into one with less waste.

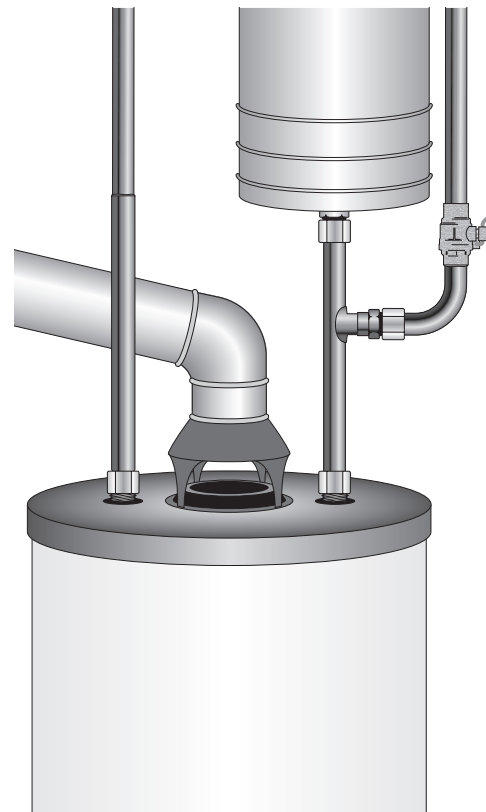
Planning efficiencies. Special trips to procure additional product are not required.

Important Notes About Sioux Chief Male Sweat Fitting



- All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

- Kits are individually bagged, shipped 10 to a box.



- Hot Side Connector p. 274
- Cold Side Connector p. 276
- Nipple Options p. 278E
- Expansion Tank Option p. 278

No Lead Compliant Products



- Products marked with this "No Lead" icon comply with national, no lead product material requirements and comply with NSF 61 which allows the product to contain no more than 0.25% lead.

ROUGHUP™ KITS Custom HEATUP™ KITS

» Build your own kit

Use the following steps to build a kit using the worksheet on page 271.

1. Start with the Water Heater Connector kit prefix:

Kit Prefix: 694

2. Choose a kit code for each of the following parts:

- A** Hot Side Connector (p. 274)
- B** Cold Side Connector (p. 276-277)
- C** Nipple Option (p. 278)
- D** Expansion Tank Option (p. 278)

3. Use this formula to build your kit:

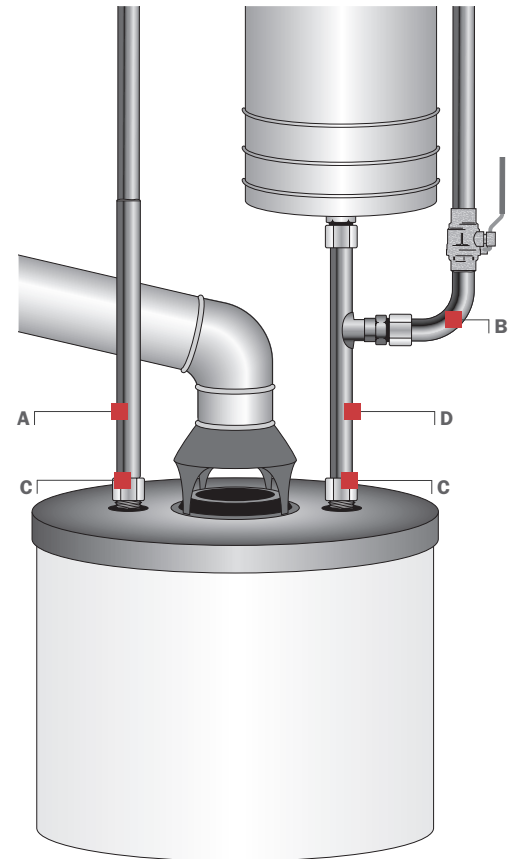
Kit Prefix	A Hot Side Connector	B Cold Side Connector	C Nipple Option	D Expansion Tank Option
694	0000	00	00	00

4. Example Code Formula:

Kit Components	Kit Prefix	A Hot Side Connector	B Cold Side Connector	C Nipple Option	D Expansion Tank Option
Kit Code	694	-CG33	01	23	91
Description		¾" FIP swivel x ¾" CPVC socket	¾" FIP swivel x ¾" CPVC socket, ball valve	Two ¾" MIP x ¾" MIP dielectric nipples	¾" x ¾" FIP swivel with ¾" MIP branch
Price		\$20.34 EA	\$41.67 EA	\$8.74 EA see pg 278	\$32.39 EA

Total Cost: **\$98.77**

New Kit Item Number: **694 - CG33012391**



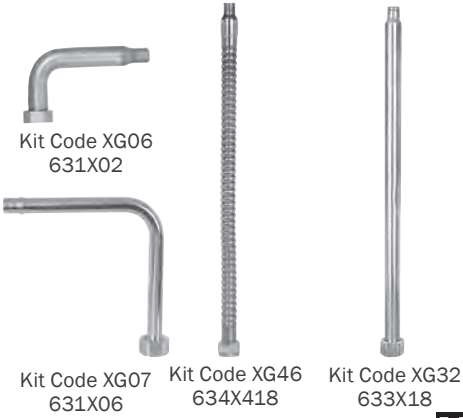
SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY



DRAINAGE



SUPPORT

APPENDIX



A Hot Side Connection

F1807 PEX Connection

Kit Code	Item No	Connection	Length
XG06	631X02	3/4" PEX F1807 × 3/4" FIP swivel elbow	2½" × 4½"
XG07	631X06	3/4" PEX F1807 × 3/4" FIP swivel elbow	6" × 6"
XG08	631XM	3/4" PEX F1807 × 3/4" MIP, elbow	4" × 6"
XG09	631XS	3/4" PEX F1807 × 3/4" FIP swivel s-bend	6" × 4½"
XG31	633X02	3/4" PEX F1807 × 3/4" FIP swivel	2"
XG32	633X18	3/4" PEX F1807 × 3/4" FIP swivel	18"
XG36	633X418	3/4" PEX F1807 × 1" FIP swivel	18"
XG46	634X418	3/4" PEX F1807 × 3/4" FIP swivel flexible	18"
XG61	646XG3	3/4" PEX F1807 × 3/4" MIP	—
XG62	646XG318	3/4" PEX F1807 × 3/4" MIP	18"

NO LEAD

F1960 PEX Connection

Kit Code	Item No	Connection	Length
WG71	633WG18	3/4" PEX F1960 × 3/4" FIP swivel	18"
WG49	634WG418	3/4" PEX F1960 × 3/4" FIP swivel flexible	18"

NO LEAD

F2080 PEX Connection

Kit Code	Item No	Connection	Length
AG06	631A02	3/4" PEX F2080 × 3/4" FIP swivel elbow	3" × 5"
AG32	633A18	3/4" PEX F2080 × 3/4" FIP swivel	18"
AG46	634A418	3/4" PEX F2080 × 3/4" FIP swivel flexible	18"

NO LEAD

Viega® PEX Press® Connection

Kit Code	Item No	Connection	Length
VG48	634VG418	3/4" Viega PEX Press × 3/4" FIP flexible	18"
VG72	633VG18	3/4" Viega PEX Press × 3/4" MIP	18"

NO LEAD **NEW**



A Hot Side Connection

CPVC Connection

Kit Code	Item No	Connection	Length
CG06	631-C307	3/4" FIP swivel × 3/4" CPVC socket elbow	3" × 7"
CG31	633-C02	3/4" FIP swivel × 3/4" CPVC socket	3"
CG32	633-C09	3/4" FIP swivel × 3/4" CPVC socket	9"
CG33	633-C18	3/4" FIP swivel × 3/4" CPVC socket	18"
CG35	633-C24	3/4" FIP swivel × 3/4" CPVC socket	24"
CG36	633-C418	1" FIP swivel × 3/4" CPVC socket	18"
CG37	633-C424	1" FIP swivel × 3/4" CPVC socket	24"
CG56	634-C118	3/4" FIP swivel × 3/4" CPVC socket flexible	18"
CG71	646-CG3	3/4" MIP × 3/4" CPVC socket	3 1/4"
CG72	646-C318	3/4" MIP × 3/4" CPVC socket	18"
CG73	646-C324	3/4" MIP × 3/4" CPVC socket	24"
CG74	646-C3418	1" MIP × 3/4" CPVC socket	18"
CG75	646-C3424	1" MIP × 3/4" CPVC socket	24"



NO LEAD



Sweat Connection -

Kit Code	Item No	Connection	NO LEAD	Length
-G21	633-312	3/4" FIP swivel × 3/4" full-slip FSWT	✓	12"
-G22	633-4312	1" FIP swivel × 3/4" full-slip FSWT	✓	12"
-G23	633-312C	3/4" FIP swivel × 7/8" compression		12"
-G81	633-212	3/4" FIP swivel × 1/2" full-slip FSWT	✓	12"
-G41	631-33F	3/4" FIP swivel × 3/4" FSWT elbow	✓	—
-G31	633-318	3/4" FIP swivel × 3/4" male sweat	✓	18"
-G85	633-G716FP	3/4" dielectric end × 3/4" full-slip FSWT	✓	16"
-G86	633-G7416FP	1" dielectric end × 3/4" full-slip FSWT	✓	16"

NEW
NEW



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

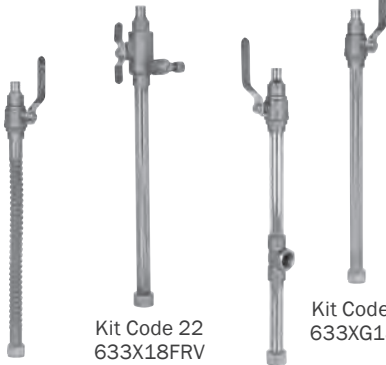
B Cold Side Connection

F1807 PEX Connections

Kit Code	Item No	Connection	Ball Valve	Length	NO LEAD
01	631XG02FP	3/4" PEX F1807 × 3/4" FIP swivel elbow	✓	2½" × 6"	✓
21	633XG18FP	3/4" PEX F1807 × 3/4" FIP swivel	✓	18"	✓
25	633XG18FPT	3/4" PEX F1807 × 3/4" FIP swivel, with 3/4" FIP branch	✓	18"	✓
41	634XG418FP	3/4" PEX F1807 × 3/4" FIP swivel flexible	✓	18"	✓
51	646X318FP	3/4" PEX F1807 × 3/4" MIP	✓	18"	✓
15	633X418FP	3/4" PEX F1807 × 1" FIP swivel	✓	18"	✓
22	633X18FRV	3/4" PEX F1807 × 3/4" FIP swivel, with pressure relief 3/8" O.D. compression	✓	18"	
26	633X306FP	3/4" PEX F1807 × 3/4" FIP swivel	✓	6"	✓
52	646X306FP	3/4" PEX F1807 × 3/4" MIP	✓	6"	✓
44	634XG418FP	3/4" PEX F1807 × 3/4" FIP swivel flexible	✓	18"	✓



Kit Code 01
631XG02FP



Kit Code 21
633XG18FP

Kit Code 41
634XG418FP

Kit Code 25
633XG18FPT

SUPPLY

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F1960 PEX Connections

Kit Code	Item No	Connection	Ball Valve	Length
75	633WG306FP	3/4" PEX F1960 × 3/4" FIP swivel	✓	6"
76	633W18FPT	3/4" PEX F1960 × 3/4" FIP swivel, with 3/4" FIP branch	✓	18"
53	646W306FP	3/4" PEX F1960 × 3/4" MIP	✓	6"
45	634WG418FP	3/4" PEX F1960 × 3/4" FIP swivel flexible	✓	18"
02	631WG02FP	3/4" F1960 × 3/4" FIP swivel elbow	✓	7"
77	633WG18FP	3/4" F1960 × 3/4" FIP swivel	✓	18"



Kit Code 75
633WG306FP



Kit Code 53
646W306FP

NO LEAD NEW

F2080 PEX Connections

Kit Code	Item No	Connection	Ball Valve	Length
01	631AG02FP	3/4" PEX F2080 × 3/4" FIP swivel elbow	✓	3" × 6½"
11	633AG306FP	3/4" PEX F2080 × 3/4" FIP swivel	✓	6"
12	633AG18FP	3/4" PEX F2080 × 3/4" FIP swivel	✓	18"
41	634AG418FP	3/4" PEX F2080 × 3/4" FIP swivel flexible	✓	18"



Kit Code 11
633AG306FP



Kit Code 01
631AG02FP



Kit Code 41
634AG418FP

NO LEAD

Kit Code 12
633AG18FP

Viega® PEX Press® Connections

Kit Code	Item No	Connection	Ball Valve	Length
43	634VG418FP	3/4" Viega PEX Press × 3/4" FIP swivel flexible	✓	18"
03	631VG02FP	3/4" PEX Press × 3/4" FIP swivel elbow	✓	6"
78	633VG18FP	3/4" PEX Press × 3/4" FIP swivel	✓	18"



Kit Code 43
634VG418FP

NO LEAD NEW

B Cold Side Connection

CPVC Connection

Kit Code	Item No	Connection	Ball Valve	Length	NO LEAD
01	631-CG307FP	¾" FIP swivel × ¾" CPVC socket elbow	✓	3" × 7"	✓
11	633-CG09FP	¾" FIP swivel × ¾" CPVC socket	✓	9"	✓
12	633-CG18FP	¾" FIP swivel × ¾" CPVC socket	✓	18"	✓
14	633-C24FP	¾" FIP swivel × ¾" CPVC socket	✓	24"	✓
15	633-C418FP	1" FIP swivel × ¾" CPVC socket	✓	18"	✓
16	633-C424FP	1" FIP swivel × ¾" CPVC socket	✓	24"	✓
17	633-C18FRV	¾" FIP swivel × ¾" CPVC socket, with pressure relief ⅜" O.D. compression	✓	18"	
21	633-CG18FPT	¾" FIP swivel × ¾" CPVC socket, with ¾" FIP branch	✓	18"	✓
25	633-C418FRV	1" FIP swivel × ¾" CPVC socket, with pressure relief ⅜" O.D. compression	✓	18"	
51	634-CG118FP	¾" FIP swivel × ¾" CPVC socket flexible	✓	18"	✓
61	646-C318FP	¾" MIP × ¾" CPVC socket	✓	18"	✓
63	646-C324FP	¾" MIP × ¾" CPVC socket	✓	24"	✓
64	646-C3418FP	1" MIP × ¾" CPVC socket	✓	18"	✓
65	646-C3424FP	1" MIP × ¾" CPVC socket	✓	24"	✓
81	646-C318FPT	¾" MIP × ¾" CPVC socket, with ¾" FIP branch	✓	18"	✓
26	633-C06FP	¾" FIP swivel × ¾" CPVC socket	✓	6"	✓
52	634-CG118FP	¾" FIP swivel flexible × ¾" CPVC socket,	✓	18"	✓
53	646-C306FP	¾" MIP × ¾" CPVC socket	✓	6"	✓



Kit Code 01
631-CG307FP



Kit Code 11
633-CG09FP



Kit Code 17
633-C18FRV



Kit Code 51
634-CG118FP



Kit Code 12
633-CG18FP



Kit Code 21
633-CG18FPT

Sweat Connection

Kit Code	Item No	Connection	Ball Valve	Length	
11	633-G312FP	¾" FIP swivel × ¾" full-slip FSWT	✓	12"	
12	633-4312FP	1" FIP swivel × ¾" full-slip FSWT	✓	12"	
15	633-G318FPT	¾" FIP swivel × ¾" full-slip FSWT with ¾" FIP branch	✓	18"	
13	633-G312CFP	¾" FIP swivel × ⅞" compression	✓	12"	
01	631-G305FP	¾" FIP swivel × ¾" FSWT elbow	✓	—	
14	633-306FP	¾" FIP swivel × ¾" female sweat	✓	5"	
56	646-306FP	¾" MIP × ¾" female sweat	✓	5"	
35	633-318FP	¾" FIP swivel × ¾" male sweat	✓	18"	
NEW	G85	633-G716FP	¾" dielectric end × ¾" full-slip FSWT	✓	16"
NEW	G86	633-G7416FP	1" dielectric end × ¾" full-slip FSWT	✓	16"

NO LEAD



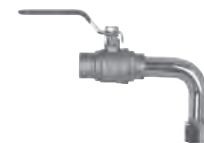
Kit Code 11
633-G312FP



Kit Code 13
633-G312CFP



Kit Code 15
633-G318FPT



Kit Code 01
631-G305FP

SUPPLY

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C Nipple Option



Kit Code 23
635-33

Kit Code	Item No	Description	Length
20	—	No nipples	—
23	635-33	Two 3/4" MIP × 3/4" MIP dielectric nipples	3"
24	635-43	Two 1" MIP × 1" MIP dielectric nipples	3"

D Expansion Tank Option



Kit Code 91
633-G3TM15



Kit Code 93
633-G3TM11

Kit Code	Item No	Connection	Length
—	—	No expansion tank	—
91	633-G3TM15	3/4" × 3/4" FIP swivel with 3/4" MIP branch	15"
92	633-G4TM15	1" × 3/4" FIP swivel with 3/4" MIP branch	15"
93	633-G3TM11	3/4" × 3/4" FIP swivel with 3/4" MIP branch	11"
94	633-G4TM11	1" × 3/4" FIP swivel with 3/4" MIP branch	11"





“ I can't say enough about the overall quality, durability and acceptability of the Sioux Chief drainage offering. Our customers expect the best and Sioux Chief never lets them down. ”

Larry Platz
Morrison Supply

DRAINAGE

COMMERCIAL

- On-Grade Drains
- Floor Sinks
- Flashing Drains
- Roof Drains
- Cleanouts
- Commercial Accessories

RESIDENTIAL

- Shower Drains
- Floor Drains
- Closet Flanges
- Backwater Valves
- Air Admittance Valves
- Residential Accessories

TESTING

- Test Devices
- Gauges & Accessories

COMMERCIAL

ON-GRADE DRAINS

Finish Line™ Adjustable Floor Drains
Standard Adjustable Floor Drains
Fat Max™
Little Max™
Stainless Fat Max™

FLOOR SINKS

Square Max™
Cast Iron Square Sinks
Fat Max™
Little Max™
Cast Iron Round Sinks
Stainless Fat Max™

FLASHING DRAINS

Finish Line™ Flashing Drains
Standard Flashing Drains
Halo™

ROOF DRAINS

Commercial Drains
Light Commercial Drains

CLEANOUTS

Finish Line™ Adjustable Cleanouts
Standard Adjustable Cleanouts
Halo™
Access Covers
Wall Cleanouts
Cleanout Bushing
Cleanout Plugs

COMMERCIAL ACCESSORIES

Commercial Drain Adapters
Replacement Strainers
Replacement Covers
Miscellaneous



Finish Line™
Adjustable Floor Drain
p 284



Standard Adjustable Floor Drain
p 292



Fat Max™
Large Capacity Floor Drain
p 295



Fat Max™
Stainless Steel Floor Drain
p 297



Square Max™
Square Floor Sink
p 302



Cast Iron Square Floor Sink
p 304



Fat Max™
Round Floor Sink
p 306



Little Max™
Compact Round Floor Sink
p 308



Cast Iron Round Floor Sink
p 309



Finish Line™
Flashing Drain
p 312



Standard Flashing Drain
p 323



Halo™ Drain
Adjustable Floor Drain with
Deck Flange
p 327



Cast Iron Roof Drain
p 330



Roof Drain & Overflow
p 331



Solvent Weld Roof Drain
p 334



Finish Line™
Adjustable Cleanout
p 339



Standard Adjustable Cleanout
p 344



Halo™ Cleanout
Adjustable Cleanout with
Deck Flange
p 346



Access Cover Cleanout
p 348



Cleanout Wall Cover
p 351



ON-GRADE DRAINS

FINISH LINE™ ADJUSTABLE FLOOR DRAINS

STANDARD ADJUSTABLE FLOOR DRAINS

FAT MAX™

LITTLE MAX™

STAINLESS FAT MAX™

SUPPLY

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APPENDIX

Finish Line™

Adjustable Floor Drain

Patent #7,735,512

The Finish Line™ allows for adjustment of the drain after the pour. Achieve a perfect finish for every strainer, every time.

Installing the Finish Line



Set Drain



Pour Concrete Flush with Plug



Remove Coring Plug



Install Finish Fixture



A Perfect Finish



Finish Fixture



Coring Plug



Coring Sleeve

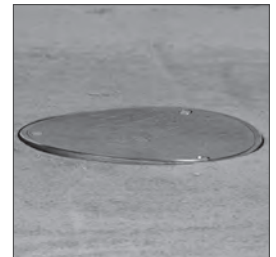


Base Adapter

Eliminate drains set too high or too low. Stop wrapping threads and boxing out.



Eliminate finish fixture damage by keeping them off the job during construction.



Finish Line™

Adjustable Floor Drain Ductile Iron No-Hub Connection

- Adjustable AFTER the pour
- Ductile iron base adapter, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian areas
- Ductile iron strainers for use in heavy-duty applications



832-4DNQ



Rough-in Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture

CLICK FOR SUBMITTAL



832-UM



832-EX4

- Options:** Add letter suffix. Add price to list.
- V** Vandal-resistant screws
 - H** Hinged strainer (not available for ductile iron)
 - E** Extended ring¹
 - B** Complies with Buy American Act¹
 - M** Medium-duty strainer (3,000 lbs. safe-load)²



Option H
Hinged Strainer

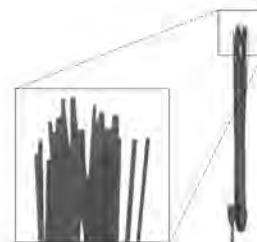


832-S4

¹ Only available for round nickel bronze ring and strainer.
² Available for round 304 SS ring & strainer.

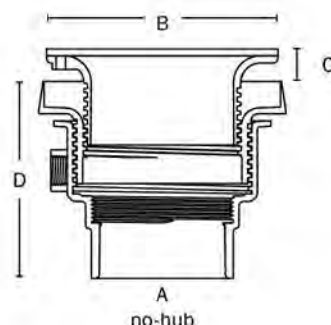


832-4HHD



832-W
Locating bristles

Item No	Ring & Strainer	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ROUGH-IN DRAIN								
832-3DF	(Coring plug)	3"	—	—	5¼"-6½"	B*	1	10
832-4DF	(Coring plug)	4"	—	—	5½"-6¾"	B*	1	10
FINISH FIXTURE								
832-4DHiR	Round ductile	—	6½"	—	—	B*	1	10
832-4DHNR	Round ni-brnz	—	6½"	—	—	B*	1	10
832-4DHNQ	Square ni-brnz	—	7"	—	—	B*	1	10
832-4DHSR	Round 304 SS	—	6½"	—	—	B*	1	1
832-4DHSQ	Square 304 SS	—	7"	—	—	B*	1	1
COMPLETE ASSEMBLY								
832-3DiR	Round ductile	3"	6½"	0"-1¼"	5¼"-6½"	B*	1	1
832-3DNR	Round ni-brnz	3"	6½"	0"-1¼"	5¼"-6½"	B*	1	1
832-3DNQ	Square ni-brnz	3"	7"	5/16"-1¼"	5¼"-6½"	B*	1	1
832-3DSR	Round 304 SS	3"	6½"	0"-1¼"	5¼"-6½"	B*	1	1
832-3DSQ	Square 304 SS	3"	7"	5/16"-1¼"	5¼"-6½"	B*	1	1
832-4DiR	Round ductile	4"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-4DNR	Round ni-brnz	4"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-4DNQ	Square ni-brnz	4"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
832-4DSR	Round 304 SS	4"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-4DSQ	Square 304 SS	4"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
ACCESSORIES								
832-4HHD	Hub drain finish fixture, ABS/PVC					B*	1	10
832-4DHHD	Hub drain finish fixture, iron					B*	1	1
863-FA	Round aluminum condensate funnel with screws					B*	1	5
863-FN	Round nickel bronze condensate funnel with screws					B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-UM	4¼" stainless steel debris basket					B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max					B*	1	1
832-W	Flexible red locating bristles with screw					B*	1	10



SUPPLY

DRAINAGE

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832-35DNR

Finish Line™

Adjustable Floor Drain Ductile Iron No-Hub Connection

- Adjustable AFTER the pour
- Ductile iron base adapter, coring sleeve, head adapter and poly coring plug
- Nickel bronze or stainless steel strainer for use in pedestrian traffic areas



Rough-in Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring, and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



832-S3



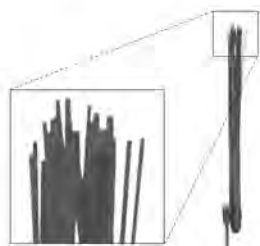
863-FA

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add prices to list.

- V** Vandal-resistant screws
- B** Complies with Buy American Act ¹
- E** Extended ring ¹

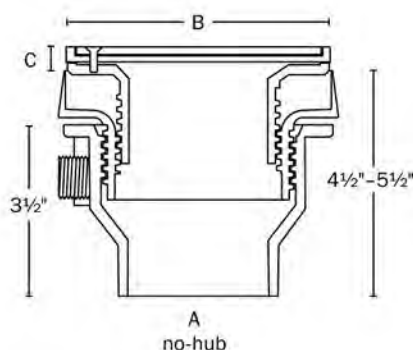
¹ Only available for round nickel bronze ring and strainer.



832-W
Locating bristles



832-3HHD



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
832-25DF	(Coring plug)	2"	—	—	B*	1	1
832-35DF	(Coring plug)	3"	—	—	B*	1	1
FINISH FIXTURE							
832-3DHNR	Round ni-brnz	—	5 1/2"	—	B*	1	1
832-3DHNQ	Square ni-brnz	—	5 7/8"	—	B*	1	1
832-3DHSR	Round 304 SS	—	5 1/2"	—	B*	1	1
832-3DHSQ	Square 304 SS	—	5 7/8"	—	B*	1	1
COMPLETE ASSEMBLY							
832-25DNR	Round ni-brnz	2"	5 1/2"	0-1"	B*	1	1
832-25DNQ	Square ni-brnz	2"	5 7/8"	5/16"-1"	B*	1	1
832-25DSR	Round 304 SS	2"	5 1/2"	0-1"	B*	1	1
832-25DSQ	Square 304 SS	2"	5 7/8"	5/16"-1"	B*	1	1
832-35DNR	Round ni-brnz	3"	5 1/2"	0-1"	B*	1	1
832-35DNQ	Square ni-brnz	3"	5 7/8"	5/16"-1"	B*	1	1
832-35DSR	Round 304 SS	3"	5 1/2"	0-1"	B*	1	1
832-35DSQ	Square 304 SS	3"	5 7/8"	5/16"-1"	B*	1	1
ACCESSORIES							
832-3HHD	Hub drain finish fixture ABS/PVC				B*	1	10
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round nickel bronze condensate funnel with screws				B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws				B*	1	5
832-S3	Two adjustment shims, two 3/4" screws				B*	1	10
832-W	Flexible red locating bristles with screw				B*	1	10

Finish Line™

Adjustable Floor Drain Ductile Iron No-Hub Connection

- Adjustable AFTER the pour
- For large capacity or high-flow applications such as outdoor terraces, walkways or patios
- Ductile iron base adapter, coring sleeve and coring plug
- Nickel bronze or stainless steel strainers for use in pedestrian traffic areas



832-49DNR

[CLICK FOR SUBMITTAL](#)



Rough-in Drain
Base adapter, coring sleeve and coring plug



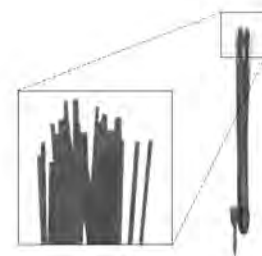
Finish Fixture
Head adapter, ring and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



863-FA

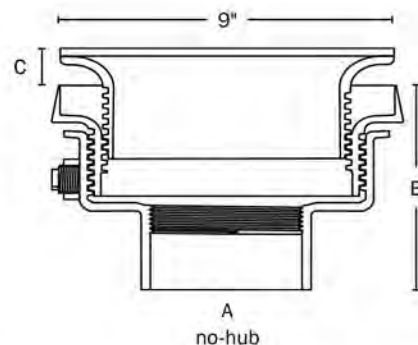


832-W
Locating bristles

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws \$5.00

Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
832-49DF	(Coring plug)	4"	5½"-7"	—	B*	1	1
832-6DF	(Coring plug)	6"	6¼"-7¾"	—	B*	1	1
FINISH FIXTURE							
832-6DHNR	Nickel bronze	—	—	—	B*	1	1
832-6DHSR	304 stainless steel	—	—	—	B*	1	1
COMPLETE ASSEMBLY							
832-49DNR	Nickel bronze	4"	5½"-7"	0"-1½"	B*	1	1
832-6DNR	Nickel bronze	6"	6¼"-7¾"	0"-1½"	B*	1	1
832-49DSR	304 stainless steel	4"	5½"-7"	0"-1½"	B*	1	1
832-6DSR	304 stainless steel	6"	6¼"-7¾"	0"-1½"	B*	1	1
ACCESSORIES							
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round nickel bronze condensate funnel with screws				B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws				B*	1	5
832-W	Flexible red locating bristles with screw				B*	1	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



832-63DNR

Finish Line™

Adjustable Floor Drain
Ductile Iron Push-Joint Connection

- Adjustable AFTER the pour
- Ductile iron base adapter, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian areas
- Ductile iron strainers for use in heavy-duty applications

CLICK FOR SUBMITTAL



832-UM



832-S4



832-EX4



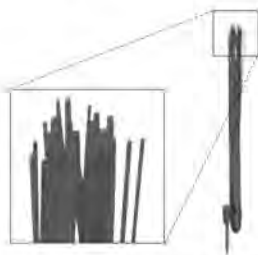
Option E
Extended Ring

- Options:** Add letter suffix. Add price to list.
- V** Vandal-resistant screws
 - H** Hinged strainer (not available for ductile iron)
 - E** Extended ring ¹
 - B** Complies with Buy American Act ¹
 - P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe
 - M** Medium-duty strainer (3,000 lbs. safe-load)²

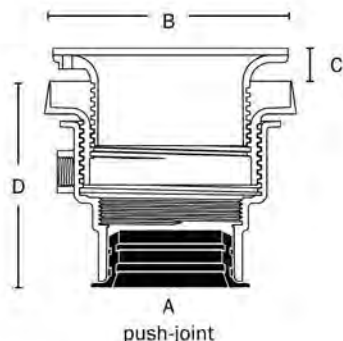
¹ Only available for round nickel bronze ring and strainer.
² Available for round 304 SS ring & strainer.



832-4HHD



832-W
Locating bristles



Item No	Ring & Strainer	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ROUGH-IN DRAIN								
832-63DF	(Coring plug)	3"	—	—	5½"-6⅞"	B*	1	1
832-64DF	(Coring plug)	4"	—	—	5⅞"-7⅞"	B*	1	1
FINISH FIXTURE								
832-4DHIR	Round ductile	—	6½"	—	—	B*	1	10
832-4DHNR	Round ni-brnz	—	6½"	—	—	B*	1	10
832-4DHNQ	Square ni-brnz	—	7"	—	—	B*	1	10
832-4DHSR	Round 304 SS	—	6½"	—	—	B*	1	1
832-4DHSQ	Square 304 SS	—	7"	—	—	B*	1	1
COMPLETE ASSEMBLY								
832-63DIR	Round ductile	3"	6½"	0"-1¼"	5⅞"-6⅞"	B*	1	1
832-63DNR	Round ni-brnz	3"	6½"	0"-1¼"	5⅞"-6⅞"	B*	1	1
832-63DNQ	Square ni-brnz	3"	7"	⅝"-1¼"	5⅞"-6⅞"	B*	1	1
832-63DSR	Round 304 SS	3"	6½"	0"-1¼"	5⅞"-6⅞"	B*	1	1
832-63DSQ	Square 304 SS	3"	7"	⅝"-1¼"	5⅞"-6⅞"	B*	1	1
832-64DIR	Round ductile	4"	6½"	0"-1¼"	5⅞"-7⅞"	B*	1	1
832-64DNR	Round ni-brnz	4"	6½"	0"-1¼"	5⅞"-7⅞"	B*	1	1
832-64DNQ	Square ni-brnz	4"	7"	⅝"-1¼"	5⅞"-7⅞"	B*	1	1
832-64DSR	Round 304 SS	4"	6½"	0"-1¼"	5⅞"-7⅞"	B*	1	1
832-64DSQ	Square 304 SS	4"	7"	⅝"-1¼"	5⅞"-7⅞"	B*	1	1
ACCESSORIES								
832-4HHD	Hub drain finish fixture, ABS/PVC					B*	1	10
832-4HHD	Hub drain finish fixture, iron					B*	1	1
858-PG4	Push-joint gasket for 4" Sch. 40 pipe					B*	1	1
863-FA	Round aluminum condensate funnel with screws					B*	1	5
863-FN	Round nickel bronze condensate funnel with screws					B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-UM	4¼" stainless steel debris basket					B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max					B*	1	1
832-W	Flexible red locating bristles with screw					B*	1	10

Finish Line™

Adjustable Floor Drain Stainless Steel No-Hub Connection

- Adjustable AFTER the pour
- 304 Stainless steel base adapter, coring sleeve, head adapter and poly coring plug
- Stainless steel material is suitable for use in commercial/restaurant kitchens, health care facilities or food processing plants
- Other typical applications include breweries, chemical/textile plants, dairies or laboratories
- Stainless steel strainers for use in pedestrian traffic areas



Rough-in Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring, and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



832-3SSR

[CLICK FOR SUBMITTAL](#)



832-UM



863-FA

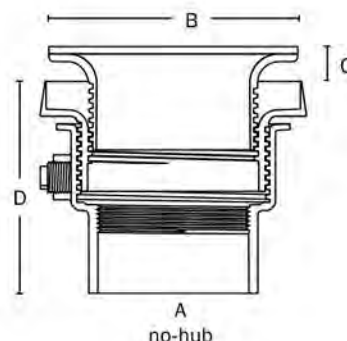
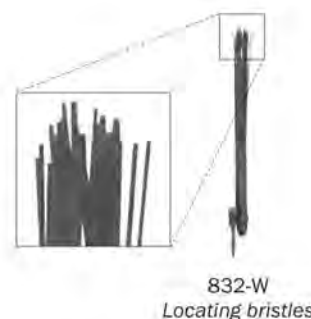


832-S4

- Options:** Add letter suffix. Add price to list.
- V** Vandal-resistant screws
 - H** Hinged strainer
 - M** Medium-duty strainer (3,000 lbs. safe-load)¹

¹ Not available for square ring & strainer

Item No	Ring & Strainer	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ROUGH-IN DRAIN								
832-3SF	(Coring plug)	3"	—	—	5¼"-6½"	B*	1	1
832-4SF	(Coring plug)	4"	—	—	5½"-6¾"	B*	1	1
FINISH FIXTURE								
832-4SHSR	Round 304 SS	—	6½"	—	—	B*	1	1
832-4SHSQ	Square 304 SS	—	7"	—	—	B*	1	1
NO-HUB COMPLETE ASSEMBLY								
832-3SSR	Round 304 SS	3"	6½"	0"-1¼"	5¼"-6½"	B*	1	1
832-3SSQ	Square 304 SS	3"	7"	5/16"-1¼"	5¼"-6½"	B*	1	1
832-4SSR	Round 304 SS	4"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-4SSQ	Square 304 SS	4"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
ACCESSORIES								
863-FA	Round aluminum condensate funnel with screws					B*	1	5
863-FN	Round nickel bronze condensate funnel with screws					B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-UM	4¼" stainless steel debris basket					B*	1	1
832-W	Flexible red locating bristles with screw					B*	1	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Finish Line™

Adjustable Floor Drain - Large Head Sch. 40 Hub Connection

- Adjustable AFTER the pour
- ABS/PVC base adapter, ABS coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



832-4PNQ

CLICK FOR SUBMITTAL



Rough-In Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



832-UM



832-EX4



832-S4



Option H
Hinged strainer

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

H Hinged strainer

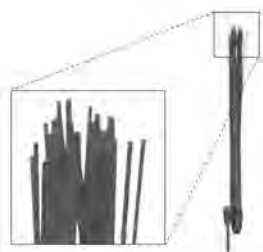
E Extended ring ¹

B Complies with Buy American Act ¹

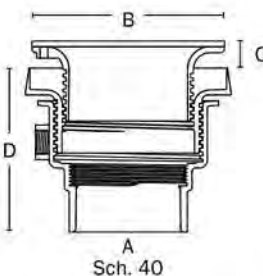
¹ Only available for round nickel bronze ring and strainer.



832-4HHD



832-W
Locating bristles



PVC Item No	ABS Item No	Ring & Strainer	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
ROUGH-IN DRAIN									
832-2PF	832-2AF	(Coring plug)	2"	—	—	5½"-6¾"	B*	1	10
832-36PF	832-36AF	(Coring plug)	3" x 4"	—	—	5¼"-6½"	B*	1	10
832-4PF	832-4AF	(Coring plug)	4"	—	—	5½"-6¾"	B*	1	10
FINISH FIXTURE									
832-4HNR	—	Round ni-brnz	—	6½"	—	—	B*	1	10
832-4HNQ	—	Square ni-brnz	—	7"	—	—	B*	1	10
832-4HSR	—	Round 304 SS	—	6½"	—	—	B*	1	1
832-4HSQ	—	Square 304 SS	—	7"	—	—	B*	1	1
COMPLETE ASSEMBLY									
832-2PNR	832-2ANR	Round ni-brnz	2"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-2PNQ	832-2ANQ	Square ni-brnz	2"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
832-2PSR	832-2ASR	Round 304 SS	2"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-2PSQ	832-2ASQ	Square 304 SS	2"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
832-36PNR	832-36ANR	Round ni-brnz	3" x 4"	6½"	0"-1¼"	5¼"-6½"	B*	1	1
832-36PNQ	832-36ANQ	Square ni-brnz	3" x 4"	7"	5/16"-1¼"	5¼"-6½"	B*	1	1
832-36PSR	832-36ASR	Round 304 SS	3" x 4"	6½"	0"-1¼"	5¼"-6½"	B*	1	1
832-36PSQ	832-36ASQ	Square 304 SS	3" x 4"	7"	5/16"-1¼"	5¼"-6½"	B*	1	1
832-4PNR	832-4ANR	Round ni-brnz	4"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-4PNQ	832-4ANQ	Square ni-brnz	4"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
832-4PSR	832-4ASR	Round 304 SS	4"	6½"	0"-1¼"	5½"-6¾"	B*	1	1
832-4PSQ	832-4ASQ	Square 304 SS	4"	7"	5/16"-1¼"	5½"-6¾"	B*	1	1
ACCESSORIES									
832-4HHD	—	Hub drain finish fixture, ABS/PVC	—	—	—	—	B*	1	10
832-4DHHD	—	Hub drain finish fixture, iron	—	—	—	—	B*	1	1
863-FA	—	Round aluminum condensate funnel with screws	—	—	—	—	B*	1	5
863-FN	—	Round nickel bronze condensate funnel with screws	—	—	—	—	B*	1	5
863-FNO	—	Oval nickel bronze condensate funnel with screws	—	—	—	—	B*	1	5
832-S4	—	Two adjustment shims, two ¾" screws	—	—	—	—	B*	1	10
832-UM	—	4¼" stainless steel debris basket	—	—	—	—	B*	1	1
832-EX4	—	Ductile iron extension nipple - 2" min - 4" max	—	—	—	—	B*	1	1
832-W	—	Flexible red locating bristles with screw	—	—	—	—	B*	1	10

Finish Line™

Adjustable Floor Drain Sch. 40 Hub Connection - Small Head

- Adjustable AFTER the pour
- ABS/PVC base adapter, ABS coring sleeve, head adapter and poly coring plug
- For use in pedestrian traffic areas



832-25PNR

CLICK FOR SUBMITTAL



863-FA



Rough-In Drain
Base adapter, coring sleeve and coring plug



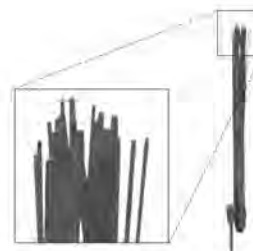
Finish Fixture
Head adapter, ring and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



832-S3



832-W
Locating bristles

Options: Add letter suffix. Add price to list.

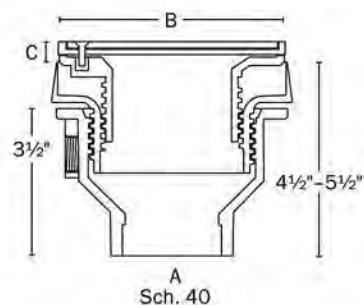
- V** Vandal-resistant screws
- B** Complies with Buy American Act¹
- E** Extended ring¹

¹ Only available for round nickel bronze ring and strainer.

PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
ROUGH-IN DRAIN								
832-25PF	832-25AF	(Coring plug)	2" x 3"	—	—	B*	1	10
832-35PF	832-35AF	(Coring plug)	3" x 4"	—	—	B*	1	10
FINISH FIXTURE								
832-3HNR	—	Round ni-brnz	—	5½"	—	B*	1	10
832-3HNQ	—	Square ni-brnz	—	5⅞"	—	B*	1	10
832-3HSR	—	Round 304 SS	—	5½"	—	B*	1	1
832-3HSQ	—	Square 304 SS	—	5⅞"	—	B*	1	1
COMPLETE ASSEMBLY								
832-25PNR	832-25ANR	Round ni-brnz	2" x 3"	5½"	0-1"	B*	1	1
832-25PNQ	832-25ANQ	Square ni-brnz	2" x 3"	5⅞"	5/16"-1"	B*	1	1
832-25PSR	832-25ASR	Round 304 SS	2" x 3"	5½"	0-1"	B*	1	1
832-25PSQ	832-25ASQ	Square 304 SS	2" x 3"	5⅞"	5/16"-1"	B*	1	1
832-35PNR	832-35ANR	Round ni-brnz	3" x 4"	5½"	0-1"	B*	1	1
832-35PNQ	832-35ANQ	Square ni-brnz	3" x 4"	5⅞"	5/16"-1"	B*	1	1
832-35PSR	832-35ASR	Round 304 SS	3" x 4"	5½"	0-1"	B*	1	1
832-35PSQ	832-35ASQ	Square 304 SS	3" x 4"	5⅞"	5/16"-1"	B*	1	1
ACCESSORIES								
832-3HHD	Hub Drain Finish Fixture ABS/PVC					B*	1	10
863-FA	Round aluminum condensate funnel with screws					B*	1	5
863-FN	Round nickel bronze condensate funnel with screws					B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5
832-S3	Two adjustment shims, two ¾" screws					B*	1	10
832-W	Flexible red locating bristles with screw					B*	1	10



832-3HHD



Sch. 40

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

On-Grade Adjustable Floor Drain Sch. 40 Hub Connection

Round or Square Ring and Strainer

- Sch. 40 hub adapter available in ABS or PVC
- Acme threads are stronger than pipe threads and prevent cross-threading
- Pre-threaded trap primer port for knockout connection
- Ductile iron head adapter available
- Square ring is great for floor tile
- For use in pedestrian traffic areas



842-3PSR



842-3PNQ



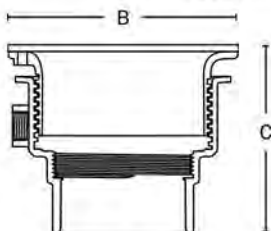
842-36Pi



842-UM



863-FA



A
Sch. 40

CLICK FOR SUBMITTAL



Option E
Extended Ring

Options: Add letter suffix. Add prices to list.

- V** Vandal-resistant screws
- H** Hinged strainer ¹
- E** Extended ring ²
- B** Complies with Buy American Act ²
- Y** Ductile iron head adapter in place of ABS
- M** Medium-duty strainer (3,000 lbs. safe-load)³

¹ Available for 6½" and 7" nickel bronze or 304 stainless steel ring/strainer.

² Available for round nickel bronze ring/strainer.

³ Available for round 304 SS ring & strainer.

PVC Item No	ABS Item No	Shape	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
NICKEL BRONZE								
842-2PNR	842-2ANR	Round	2" x 3"	5½"	4¾"-5½"	B*	1	10
842-3PNR	842-3ANR	Round	3" x 4"	5½"	4¾"-5½"	B*	1	8
842-36PNR	842-36ANR	Round	3" x 4"	6½"	5½"-6¼"	B*	1	10
842-4PNR	842-4ANR	Round	4" hub	6½"	5¾"-6½"	B*	1	10
842-2PNQ	842-2ANQ	Square	2" x 3"	5⅞"	4¾"-5½"	B*	1	10
842-3PNQ	842-3ANQ	Square	3" x 4"	5⅞"	4¾"-5½"	B*	1	10
842-36PNQ	842-36ANQ	Square	3" x 4"	7"	5½"-6¼"	B*	1	10
842-4PNQ	842-4ANQ	Square	4" hub	7"	5¾"-6½"	B*	1	10
STAINLESS STEEL								
842-2PSR	842-2ASR	Round	2" x 3"	5½"	4¾"-5½"	B*	1	10
842-3PSR	842-3ASR	Round	3" x 4"	5½"	4¾"-5½"	B*	1	8
842-36PSR	842-36ASR	Round	3" x 4"	6½"	5½"-6¼"	B*	1	10
842-4PSR	842-4ASR	Round	4" hub	6½"	5¾"-6½"	B*	1	10
842-2PSQ	842-2ASQ	Square	2" x 3"	5⅞"	4¾"-5½"	B*	1	10
842-3PSQ	842-3ASQ	Square	3" x 4"	5⅞"	4¾"-5½"	B*	1	10
842-36PSQ	842-36ASQ	Square	3" x 4"	7"	5½"-6¼"	B*	1	1
842-4PSQ	842-4ASQ	Square	4" hub	7"	5¾"-6½"	B*	1	10
CAST IRON								
842-2Pi	842-2Ai	Round	2" x 3"	6½"	4¾"-5½"	B*	1	2
842-3Pi	842-3Ai	Round	3" x 4"	6½"	4¾"-5½"	B*	1	2
842-36Pi	842-36Ai	Round	3" x 4"	6⅞"	5½"-6⅞"	B*	1	2
842-4Pi	842-4Ai	Round	4" hub	6⅞"	5¾"-6⅞"	B*	1	2
ACCESSORIES								
863-FA	-	Round aluminum condensate funnel with screws				B*	1	5
863-FN	-	Round nickel bronze condensate funnel with screws				B*	1	5
863-FNO	-	Oval nickel bronze condensate funnel with screws				B*	1	5
842-UM	-	4⅞" stainless steel debris basket (use with 842-4_ or 842-36_ only)				B*	1	1

On-Grade Adjustable Floor Drain ABS MIP Thread

Round or Square Ring and Strainer

- Available in nickel bronze, stainless steel, cast iron (round only) and ABS
- MIP thread models adapt to any standard FIP adapter

Options: Add letter suffix. Add prices to list.

V Vandal-resistant screws

H Hinged strainer ¹

E Extended ring ²

M Medium-duty strainer (3,000 lbs. safe-load)³



Option H
Hinged Strainer

¹ Available for 6½" nickel bronze or 304 stainless steel ring/strainer.

² Available for 6½" nickel bronze ring/strainer.

³ Available for round 304 SS ring & strainer.

Item No	Ring & Strainer	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
ROUND RING AND STRAINER						
842-2LNR	Nickel bronze	2" MIP	4½"	B*	1	10
842-3LNR	Nickel bronze	3" MIP	5½"	B*	1	10
842-3LNRPK	Nickel bronze	3" MIP	5½"	C*	5	5
842-36LNR	Nickel bronze	3" MIP	6½"	B*	1	10
842-4LNR	Nickel bronze	4" MIP	6½"	B*	1	10
842-2LSR	304 stainless	2" MIP	4½"	B*	1	10
842-3LSR	304 stainless	3" MIP	5½"	B*	1	10
842-36LSR	304 stainless	3" MIP	6½"	B*	1	10
842-4LSR	304 stainless	4" MIP	6½"	B*	1	10
842-2Li	Cast iron	2" MIP	5"	B*	1	5
842-3Li	Cast iron	3" MIP	6½"	B*	1	5
842-36Li	Cast iron	3" MIP	6½"	B*	1	5
842-4Li	Cast iron	4" MIP	6½"	B*	1	5
842-2LP	Gray ABS	2" MIP	4¾"	B*	1	10
842-3LP	Gray ABS	3" MIP	5½"	B*	1	10
842-36LP	Gray ABS	3" MIP	6½"	B*	1	10
842-4LP	Gray ABS	4" MIP	6½"	B*	1	10
SQUARE RING AND STRAINER						
842-2LNQ	Nickel bronze	2" MIP	4½"	B*	1	5
842-3LNQ	Nickel bronze	3" MIP	5½"	B*	1	5
842-36LNQ	Nickel bronze	3" MIP	7"	B*	1	5
842-4LNQ	Nickel bronze	4" MIP	7"	B*	1	5
842-2LSQ	304 stainless	2" MIP	4½"	B*	1	5
842-3LSQ	304 stainless	3" MIP	5½"	B*	1	5
842-36LSQ	304 stainless	3" MIP	7"	B*	1	5
842-4LSQ	304 stainless	4" MIP	7"	B*	1	5
ACCESSORIES						
863-FA	Round aluminum condensate funnel with screws			B*	1	5
863-FN	Round nickel bronze condensate funnel with screws			B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws			B*	1	5
832-UM	4¾" diameter debris basket (for use with 842-4_ models only)			B*	1	1



842-3LNR



842-3LNQ

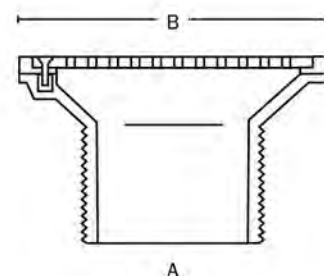


842-3Li



842-3LP

CLICK FOR SUBMITTAL



SUPPLY

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842-3iLNR

On-Grade Adjustable Floor Drain Cast Iron MIP Thread

Round or Square Ring and Strainer

- Available with nickel bronze (light-duty), or cast iron (heavy-duty) strainer
- MIP thread connection adapts to standard FIP adapters



842-3iLNQ



842-3iLi

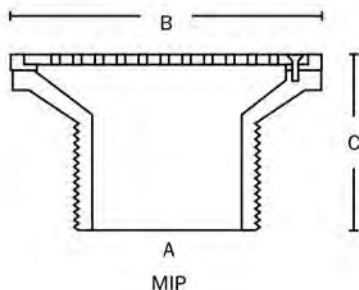
[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add prices to list.

V Vandal-resistant screws ¹

¹ Not available on cast iron ring and strainer.

Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
ROUND NICKEL BRONZE RING & STRAINER						
842-2iLNR	2" MIP	4½"	2¾"	B*	1	2
842-3iLNR	3" MIP	5½"	2¾"	B*	1	2
842-4iLNR	4" MIP	6½"	2¾"	B*	1	2
SQUARE NICKEL BRONZE RING & STRAINER						
842-2iLNQ	2" MIP	4½"	2¾"	B*	1	2
842-3iLNQ	3" MIP	5¾"	2¾"	B*	1	2
842-4iLNQ	4" MIP	7"	2¾"	B*	1	2
CAST IRON RING & STRAINER						
842-2iLi	2" MIP	5"	2½"	B*	1	2
842-3iLi	3" MIP	6½"	3½"	B*	1	2
842-4iLi	4" MIP	6½"	3½"	B*	1	2
ACCESSORIES						
863-FA	Round aluminum condensate funnel with screws			B*	1	5
863-FN	Round nickel bronze condensate funnel with screws			B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws			B*	1	5
832-UM	4¼" stainless steel debris basket (for use with 842-4_ models only)			B*	1	1



Fat Max™

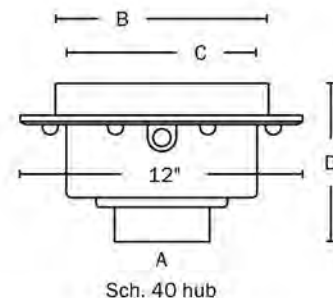
Large-Capacity Floor Drain

- ABS or PVC solvent weld connection
- Low profile design with anchor flange for a solid installation



860-3PZ

CLICK FOR SUBMITTAL



PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
WITH ABS OR PVC STRAINER								
860-2P	860-2A	2"	9"	8½"	6¾"	B*	1	4
860-3P	860-3A	3 × 4"	9"	8½"	6¾"	B*	1	4
860-4P	860-4A	4"	9"	8½"	6¾"	B*	1	4
860-6P	860-6A	6"	9"	8½"	8½"	B*	1	1
WITH NICKEL BRONZE RING & STRAINER								
860-2PN	860-2AN	2"	9¾"	9¾"	7¾"	B*	1	4
860-3PN	860-3AN	3 × 4"	9¾"	9¾"	7¾"	B*	1	4
860-4PN	860-4AN	4"	9¾"	9¾"	7¾"	B*	1	4
860-6PN	860-6AN	6"	9¾"	9¾"	8½"	B*	1	1
WITH STAINLESS STEEL RING & STRAINER								
860-2PZ	860-2AZ	2"	9¾"	9¾"	7¾"	B*	1	4
860-3PZ	860-3AZ	3 × 4"	9¾"	9¾"	7¾"	B*	1	4
860-4PZ	860-4AZ	4"	9¾"	9¾"	7¾"	B*	1	4
860-6PZ	860-6AZ	6"	9¾"	9¾"	8½"	B*	1	1
WITH CAST IRON RING & STRAINER								
860-2Pi	860-2Ai	2"	9¾"	8½"	6¾"	B*	1	2
860-3Pi	860-3Ai	3 × 4"	9¾"	8½"	6¾"	B*	1	2
860-4Pi	860-4Ai	4"	9¾"	8½"	6¾"	B*	1	2
860-6Pi	860-6Ai	6"	9¾"	8½"	8½"	B*	1	2

SUPPLY

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Fat Max™

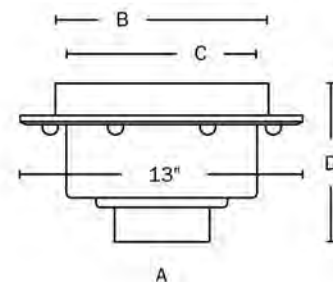
Large-Capacity Floor Drain

- Cast iron no-hub or push-joint connection
- Low profile design with anchor flange for a solid installation



860-23i

CLICK FOR SUBMITTAL

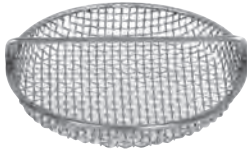


No-Hub Item No	Push-Joint Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D†			
WITH NICKEL BRONZE RING & STRAINER								
860-22N	860-62N	2"	9¾"	9¾"	7¼"	B*	1	1
860-23N	860-63N	3"	9¾"	9¾"	7¼"	B*	1	1
860-24N	860-64N	4"	9¾"	9¾"	7¼"	B*	1	1
860-26N	—	6"	9¾"	9¾"	7¼"	B*	1	1
WITH STAINLESS STEEL RING & STRAINER								
860-22Z	860-62Z	2"	9¾"	9¾"	7¼"	B*	1	1
860-23Z	860-63Z	3"	9¾"	9¾"	7¼"	B*	1	1
860-24Z	860-64Z	4"	9¾"	9¾"	7¼"	B*	1	1
860-26Z	—	6"	9¾"	9¾"	7¼"	B*	1	1
WITH CAST IRON STRAINER								
860-22i	860-62i	2"	9"	8½"	6¾"	B*	1	1
860-23i	860-63i	3"	9"	8½"	6¾"	B*	1	1
860-24i	860-64i	4"	9"	8½"	6¾"	B*	1	1
860-26i	—	6"	9"	8½"	7¼"	B*	1	1

† Add ⅜" to this dimension for push-joint connection



Option C / 860-C



Option W / 860-UM



Option S / 860-S



Option U / 860-U



Option F / 863-FN



Option FO / 863-FNO

Fat Max™

Options, Strainers and Accessories

- Customize the Fat Max™ to your specific application
- Options are factory installed
- Strainers and accessories are ordered and sold separately

SUPPLY

DRAINAGE

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APPENDIX

Suffix Code	Description	Availability Restrictions
OPTIONS		
When ordering multiple options, please list suffix code in the order they are shown below to the appropriate Fat Max item number from the previous page		
N	Nickel bronze veneer	Only for ABS/PVC drains with cast iron strainers
S	PVC sand bucket for sump area	—
U	PVC debris bucket for sump area	—
C	PVC clamping collar with stainless steel bolts	Only for ABS/PVC drains
C	Cast iron clamping collar with SS bolts	Only for cast iron drains
V	Vandal-resistant screws for strainer	Not for cast iron strainers
T	Tapped trap primer connection, 1/2" FIP	Only for ABS/PVC drains
W	Stainless steel debris basket for sump area	—
F	Round nickel bronze condensate funnel	—
FA	Round aluminum condensate funnel	—
FO	Oval nickel bronze condensate funnel	—
6	PVC flat strainer for drain outlet 5 1/16" dia.	Not for 6" drains
P	Push-joint gasket to fit Sch. 40 ABS/PVC pipe	Only for drains with 3" and 4" push-joint connection

Item No	Description	Pkg	Min Qty	Case Qty
STRAINERS				
860-GP	PVC full strainer with lift handle	B*	1	16
860-GA	ABS full strainer with lift handle	B*	1	12
860-GN	Nickel bronze full strainer only	B*	1	1
860-RGN	Nickel bronze ring and full strainer	B*	1	1
860-RGS	304 stainless steel ring and full strainer	B*	1	1
860-Gi	Cast iron strainer only	B*	1	5
860-GPJ	PVC full cover	B*	1	16

Item No	Description	Pkg	Min Qty	Case Qty
ACCESSORIES				
860-S	PVC sand bucket for drain sump area	B*	1	20
860-U	PVC debris bucket for drain sump area	B*	1	20
860-C	PVC clamping collar with stainless steel screws	B*	1	10
860-Ci	Cast iron clamping collar with stainless steel screws	B*	1	10
860-UM	Stainless steel debris basket	B*	1	5
863-FA	Round aluminum condensate funnel with screws	B*	1	5
863-FN	Round nickel bronze condensate funnel with screws	B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws	B*	1	5
860-6	PVC flat secondary strainer	B*	1	10

Fat Max™

Stainless Steel Floor Drain

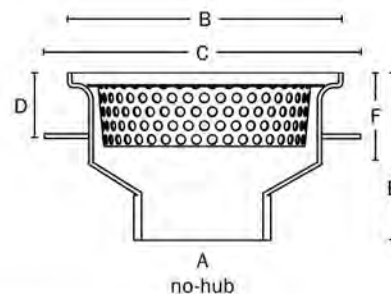
- All-stainless construction – no-hub connection
- Smooth, seamless sump area with bead-blasted finish is suitable for use in commercial/restaurant kitchens, health care facilities or food processing plants
- Other typical applications include breweries, chemical/textile plants, dairies or laboratories
- Removable stainless steel debris bucket included



860-4SS

CLICK FOR SUBMITTAL

Item No	Dimensions						Pkg	Min Qty	Case Qty	
	A	B	C	D	E	F				
860-3SS	3"	6¾"	8"	2"	5½"	3"	B*	1	1	
860-4SS	4"	8⅞"	10¾"	2"	5½"	3"	B*	1	1	
ACCESSORIES										
860-3SSS	Strainer only for 860-3SS						B	1	1	
860-4SSS	Strainer only for 860-4SS						B	1	1	



Little Max™

General Purpose Floor Drain

- ABS or PVC solvent weld connection
- Strainer ring can be used as a clamping collar for above-grade applications



864-3P

CLICK FOR SUBMITTAL

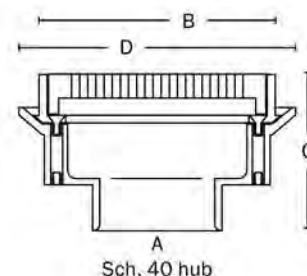
Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- T** Tapped ½" FIP for trap primer
- S** Sand bucket
- U** Stainless steel debris basket for sump area

PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty	
		A	B	C	D				
864-2P	864-2A	2"	7¼"	4¼"	8½"	B*	1	3	
864-3P	864-3A	3"	7¼"	4¾"	8½"	B*	1	3	
864-4P	864-4A	4"	7¼"	5⅝"	8½"	B*	1	3	
ACCESSORIES									
864-GP	PVC strainer with lift handle, loose set					B*	1	1	
864-S	PVC sand bucket (fits inside sump area)					B*	1	10	
864-UM	Stainless steel mesh debris basket					B*	1	10	
863-FA	Aluminum condensate funnel with screws					B*	1	5	
863-FN	Nickel bronze condensate funnel with screws					B*	1	5	
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5	



864-S



SUPPLY

DRAINAGE

SUPPORT

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SUPPLY

DRAINAGE

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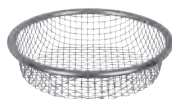
843-3PNR



843-3PNQ



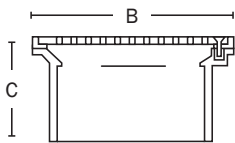
843-3Pi



832-UM



863-FA



Sch. 40

On-Grade Floor Drain Sch. 40 Hub Connection

Round or Square Ring and Strainer

- Available with nickel bronze, stainless steel or ABS strainer for use in pedestrian areas
- Cast iron strainer for use in heavy-duty applications
- Three brass thread inserts secure strainer screws
- Square strainer is great for tile floors

Options: Add letter suffix. Add prices to list.

V Vandal-resistant screws ¹ \$5.00

¹ Not available on cast iron ring and strainer.

PVC Item No	ABS Item No	Dimensions			Strainer Gauge	Pkg	Min Qty	Case Qty
		A	B	C				
ROUND NICKEL BRONZE RING & STRAINER								
843-2PNR	843-2ANR	2" x 3"	4½"	2⅝"	—	B*	1	10
843-3PNR	843-3ANR	3" x 4"	5½"	2½"	—	B*	1	10
843-4PNR	843-4ANR	4" hub	6½"	2⅝/16"	—	B*	1	4
SQUARE NICKEL BRONZE RING & STRAINER								
843-2PNQ	843-2ANQ	2" x 3"	4½"	2⅝"	—	B*	1	5
843-3PNQ	843-3ANQ	3" x 4"	5⅞"	2½"	—	B*	1	10
843-4PNQ	843-4ANQ	4" hub	7"	2⅝/16"	—	B*	1	10
CAST IRON RING & STRAINER								
843-2Pi	843-2Ai	2" x 3"	5"	3⅛"	—	B*	1	2
843-3Pi	843-3Ai	3" x 4"	6⅞"	3⅞"	—	B*	1	2
843-4Pi	843-4Ai	4" hub	6⅝"	3½"	—	B*	1	2
18-GAUGE STAINLESS STEEL STRAINER								
843-2PS	843-2AS	2" x 3"	4½"	2⅝/16"	18	B*	1	10
843-3PS	843-3AS	3" x 4"	5½"	2¼"	18	B*	1	10
843-4PS	843-4AS	4" hub	6½"	2⅝"	16	B*	1	4
ABS STRAINER								
843-2PP	843-2AP	2" x 3"	4½"	2⅝"	—	B*	1	10
843-3PP	843-3AP	3" x 4"	5½"	2½"	—	B*	1	10
843-4PP	843-4AP	4" hub	6½"	2⅝/16"	—	B*	1	4
ACCESSORIES								
863-FA	—	Round aluminum condensate funnel with screws				B*	1	5
863-FN	—	Round nickel bronze condensate funnel with screws				B*	1	5
863-FNO	—	Oval nickel bronze condensate funnel with screws				B*	1	5
832-UM	—	4¼" stainless steel debris basket (for use with 843-4_ models only)				B*	1	1

On-Grade Floor Drain Cast Iron No-Hub Connection

Round or Square Ring and Strainer

- Available with round or square nickel bronze strainer for use in pedestrian traffic areas
- Cast iron strainer for heavy-duty applications
- Square strainer is great for tile floors



844-23NR



844-23NQ



844-23i

SUPPLY

DRAINAGE

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Options: Add letter suffix. Add prices to list.

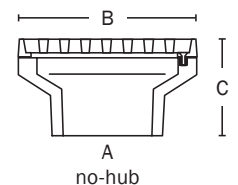
V Vandal-resistant screws ¹ \$5.00

¹ Not available on cast iron ring and strainer.

Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
ROUND NICKEL BRONZE RING & STRAINER						
844-22NR	2"	4½"	3 ⁵ / ₁₆ "	B*	1	4
844-23NR	3"	5½"	3 ⁷ / ₁₆ "	B*	1	4
844-24NR	4"	6½"	3 ⁹ / ₁₆ "	B*	1	4
SQUARE NICKEL BRONZE RING & STRAINER						
844-22NQ	2"	4½"	2 ³ / ₈ "	B*	1	1
844-23NQ	3"	5 ⁷ / ₈ "	2 ³ / ₈ "	B*	1	1
844-24NQ	4"	7"	2 ³ / ₈ "	B*	1	1
CAST IRON STRAINER						
844-22i	2"	5"	3 ⁵ / ₁₆ "	B*	1	4
844-23i	3"	6 ¹ / ₈ "	3 ⁷ / ₁₆ "	B*	1	4
844-24i	4"	6 ⁵ / ₈ "	3 ⁹ / ₁₆ "	B*	1	4
ACCESSORIES						
863-FA	Round aluminum condensate funnel with screws			B*	1	5
863-FN	Round nickel bronze condensate funnel with screws			B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws			B*	1	5



863-FA





FLOOR SINKS

SQUARE MAX™

CAST IRON SQUARE SINKS

FAT MAX™

LITTLE MAX™

CAST IRON ROUND SINKS

STAINLESS FAT MAX™

Square Max™

PVC Square Floor Sink

- Sump area is 54% larger than most PVC square floor sinks
- Low profile design with anchor flange for a clean appearance and a solid installation. Clamping collar available
- All inner surfaces are pitched, no standing water in sump area
- Independent lab tests show no distortion from water temperatures up to 180°F
- Tough, impact resistant PVC construction
- PVC and nickel bronze strainers for pedestrian traffic. Ductile iron strainer for heavy-duty applications



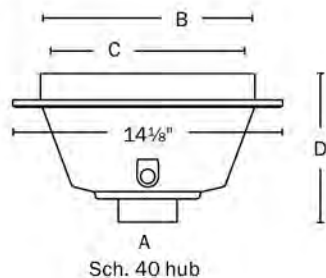
861-3P



Anchor flange provides solid installations. Thinner rim profile than other square floor sinks.

Now Available without Anchor Flange
861-3PXR

CLICK FOR SUBMITTAL



Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
NO STRAINER - SINK ONLY							
861-2PX	2"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	7 ⁷ / ₁₆ "	B*	1	3
861-3PX	3 × 4"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	8 ⁵ / ₁₆ "	B*	1	3
861-4PX	4"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	7 ⁷ / ₁₆ "	B*	1	3
861-6PX	6"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	9 ¹ / ₂ "	B*	1	3
WITH PVC STRAINER							
861-2P	2"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	7 ⁷ / ₁₆ "	B*	1	1
861-3P	3 × 4"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	8 ⁵ / ₁₆ "	B*	1	1
861-4P	4"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	7 ⁷ / ₁₆ "	B*	1	1
861-6P	6"	11 ³ / ₁₆ "	10 ¹¹ / ₁₆ "	9 ¹ / ₂ "	B*	1	1
WITH NICKEL BRONZE RING & STRAINER							
861-2PN	2"	11 ³ / ₄ "	10 ³ / ₄ "	7 ³ / ₈ "	B*	1	1
861-3PN	3 × 4"	11 ³ / ₄ "	10 ³ / ₄ "	8 ³ / ₄ "	B*	1	1
861-4PN	4"	11 ³ / ₄ "	10 ³ / ₄ "	8 ³ / ₈ "	B*	1	1
861-6PN	6"	11 ³ / ₄ "	10 ³ / ₄ "	9 ¹⁵ / ₁₆ "	B*	1	1
WITH DUCTILE IRON RING & STRAINER							
861-2Pi	2"	11 ³ / ₄ "	10 ⁵ / ₈ "	8"	B*	1	1
861-3Pi	3 × 4"	11 ³ / ₄ "	10 ⁵ / ₈ "	8 ³ / ₈ "	B*	1	1
861-4Pi	4"	11 ³ / ₄ "	10 ⁵ / ₈ "	9"	B*	1	1
861-6Pi	6"	11 ³ / ₄ "	10 ⁵ / ₈ "	10 ¹ / ₁₆ "	B*	1	1

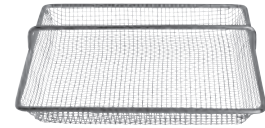
Square Max™

Options, Strainers and Accessories

- Square Max options are factory installed
- Square Max strainers and accessories are ordered and sold separately



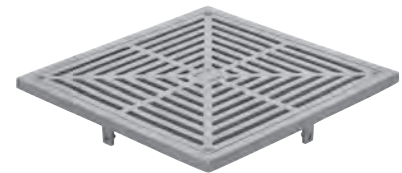
Option U
863-U



Option W
861-UM



Option 2
861-51



861-5NR



Option 6
861-6



Option FO
863-FNO

Suffix Code	Description	Availability Restrictions
OPTIONS		
When ordering multiple options, please list suffix code in the order they are shown below to the appropriate Square Max item number from the previous page		
D	PVC dome bottom strainer Fits into drain outlet: 2½" tall × 5¼" dia.	Not on 6" sinks
U	Aluminum dome bottom strainer Fits inside sump area: 2" tall × 4¼" dia.	Not on 6" sinks
C	PVC clamping collar with stainless steel bolts	—
W	Stainless steel debris basket Fits inside sump area: 1½" tall × 8¾" dia.	—
2	Open-half strainer Nickel strainer includes nickel ring	Not for ductile iron strainers
3	Open-quarter strainer Nickel strainer includes nickel ring	Not for ductile iron strainers
V	Vandal-resistant screws for strainer	Not for ductile iron strainers
T	Tapped trap primer connection, ½" FIP thread	—
F	Round nickel condensate funnel with screws 4" tall, 4½" top opening	—
FA	Round aluminum condensate funnel with screws 4" tall, 4½" top opening	—
FO	Oval nickel condensate funnel with screws 4" tall, 9½" × 3¼" opening	—
6	PVC flat strainer for drain outlet: 5¼" dia.	Not on 6" sinks

Item No	Description	Pkg	Min Qty	Case Qty
STRAINERS				
861-5	PVC full strainer with lift handle	B*	1	15
861-51	PVC open-half strainer	B*	1	15
861-53	PVC open-quarter strainer	B*	1	15
861-5N	Nickel bronze full strainer only	B*	1	1
861-5NR	Nickel bronze ring & full strainer	B*	1	3
861-51N	Nickel bronze open-half strainer only	B*	1	4
861-51NR	Nickel bronze ring & open-half strainer	B*	1	3
861-53N	Nickel bronze open-quarter strainer only	B*	1	1
861-53NR	Nickel bronze ring & open-quarter strainer	B*	1	5
861-5CiG	Heel-proof, ductile iron strainer only	B*	1	1
861-5Ci	Heel-proof, ductile iron ring & full strainer	B*	1	3
ACCESSORIES				
861-D	PVC dome bottom strainer 2½" tall × 5¼" dia. NOT for use on sinks with 6" connection	B*	1	80
863-U	Aluminum dome bottom strainer 2" tall × 4¼" dia. NOT for use on sinks with 6" connection	B*	1	5
861-C	PVC clamping collar with stainless steel bolts	B*	1	5
861-6	PVC flat bottom strainer for drain outlet 5¼" dia. NOT for use on sinks with 6" connection	B*	1	10
861-UM	Stainless steel debris basket for sump area 1½" tall × 8¾" dia.	B*	1	5
863-FA	Aluminum condensate funnel with screws 4" tall, 4½" top opening	B*	1	5
863-FN	Nickel bronze condensate funnel with screws 4" tall, 4½" top opening	B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws	B*	1	5

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY



861-23XF

DRAINAGE



861-23X

SUPPORT



Option D / 861-AD

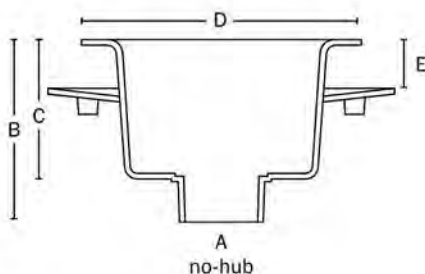
APPENDIX



Option N2 / 861-52iN



Option W / 861-UMi



Cast Iron Square Floor Sink

12" x 12" – No-Hub Connection

- Acid-resistant porcelain enamel coating (ARE)
- Perfect for high heat discharge applications
- Available with flange and clamping collar for above-grade applications

Options: Add letter suffix. Add price to list.

- I** Full ARE cast iron grate
- I2** Open-half ARE cast iron grate
- I3** Open-quarter ARE cast iron grate
- N** Full nickel bronze grate
- N2** Open-half nickel bronze grate
- N3** Open-quarter nickel bronze grate
- W** Stainless steel debris basket
- D** Aluminum dome bottom strainer
- C** Clamping collar with bolts ¹

¹ For use with flanged floor sink.

[CLICK FOR SUBMITTAL](#)

Item No	Dimensions					Pkg	Min Qty	Case Qty
	A	B	C	D	E			
NO STRAINER – SINK ONLY								
861-22X	2"	9"	6"	12"	–	B	1	1
861-23X	3"	9"	6"	12"	–	B	1	1
861-24X	4"	9"	6"	12"	–	B	1	1
861-22XF	2"	9"	6"	12"	2½"	B	1	1
861-23XF	3"	9"	6"	12"	2½"	B	1	1
861-24XF	4"	9"	6"	12"	2½"	B	1	1
ACCESSORIES								
861-52i	Open-half grate, ARE cast iron					B	1	10
861-53i	Open-quarter grate, ARE cast iron					B	1	10
861-5i	Full grate, ARE cast iron					B	1	1
861-52iN	Open-half grate, nickel bronze					B	1	1
861-53iN	Open-quarter grate, nickel bronze					B	1	1
861-5iN	Full grate, nickel bronze					B	1	1
861-UMi	Stainless steel debris basket					B	1	1
861-AC	Clamping collar, aluminum, with bolts, for flanged model					B	1	1
861-AD	Dome bottom strainer, aluminum					B	1	20
863-FA	Aluminum condensate funnel with screws					B*	1	5
863-FN	Nickel bronze condensate funnel with screws					B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5

Cast Iron Square Floor Sink

8" x 8" – No-Hub Connection

- Acid-resistant porcelain enamel coating (ARE)
- Perfect for high heat discharge applications



861-283X

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

- I** Full ARE cast iron grate
- I2** Open-half ARE cast iron grate
- I3** Open-quarter ARE cast iron grate
- N** Full nickel bronze grate
- N2** Open-half nickel bronze grate
- N3** Open-quarter nickel bronze grate
- D** Aluminum dome bottom strainer

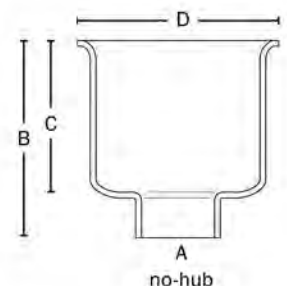


Option D / 861-AD



Option N / 861-58iN

Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
NO STRAINER – SINK ONLY							
861-282X	2"	8 ⁵ / ₈ "	6"	8"	B	1	1
861-283X	3"	8 ⁵ / ₈ "	6"	8"	B	1	1
861-284X	4"	8 ⁵ / ₈ "	6"	8"	B	1	1
ACCESSORIES							
861-582i	Open-half grate, ARE cast iron				B	1	1
861-583i	Open-quarter grate, ARE cast iron				B	1	1
861-58i	Full grate, ARE cast iron				B	1	1
861-582iN	Open-half grate, nickel bronze				B	1	1
861-583iN	Open-quarter grate, nickel bronze				B	1	1
861-58iN	Full grate, nickel bronze				B	1	1
861-AD	Dome bottom strainer, aluminum				B	1	20
863-FA	Aluminum condensate funnel with screws				B*	1	5
863-FN	Nickel bronze condensate funnel with screws				B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws				B*	1	5



Fat Max™

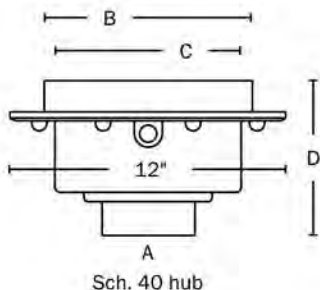
PVC Round Floor Sink

- New white color provides a cleaner appearance in floor sink applications
- Low profile design with anchor flange for a solid installation
- Independent lab tests show no distortion from water temperatures up to 180°F
- Tough, impact resistant PVC construction
- PVC, nickel bronze and stainless steel strainers for pedestrian traffic. Cast iron strainer for heavy-duty applications



860-W3P

[CLICK FOR SUBMITTAL](#)



PVC Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
NO STRAINER - SINK ONLY							
860-W2PX	2"	9"	8½"	6⅜"	B*	1	4
860-W3PX	3 × 4"	9"	8½"	6⅜"	B*	1	4
860-W4PX	4"	9"	8½"	6⅜"	B*	1	4
WITH PVC STRAINER							
860-W2P	2"	9"	8½"	6⅜"	B*	1	4
860-W3P	3 × 4"	9"	8½"	6⅜"	B*	1	4
860-W4P	4"	9"	8½"	6⅜"	B*	1	4
WITH NICKEL BRONZE RING & STRAINER							
860-W2PN	2"	9¾"	9⅝"	7⅜"	B*	1	4
860-W3PN	3 × 4"	9¾"	9⅝"	7⅜"	B*	1	4
860-W4PN	4"	9¾"	9⅝"	7⅜"	B*	1	4
WITH STAINLESS STEEL RING & STRAINER							
860-W2PZ	2"	9¾"	9⅝"	7⅜"	B*	1	4
860-W3PZ	3 × 4"	9¾"	9⅝"	7⅜"	B*	1	4
860-W4PZ	4"	9¾"	9⅝"	7⅜"	B*	1	4
WITH CAST IRON RING & STRAINER							
860-W2Pi	2"	9⅝"	8½"	6⅜"	B*	1	2
860-W3Pi	3 × 4"	9⅝"	8½"	6⅜"	B*	1	2
860-W4Pi	4"	9⅝"	8½"	6⅜"	B*	1	2

Fat Max™

Options, Strainers and Accessories

- Customize the Fat Max™ to your specific application
- Options are factory installed
- Strainers and accessories are ordered and sold separately

Suffix Code	Description	Availability Restrictions
OPTIONS		
When ordering multiple options, please list suffix code in the order they are shown below to the appropriate Fat Max item number from the previous page		
N	Nickel bronze veneer	Only for floor sinks with cast iron strainers
S	PVC sand bucket for sump area	—
U	PVC debris bucket for sump area	—
C	PVC clamping collar with stainless steel bolts	—
D	PVC dome bottom strainer for drain outlet	Not for 6" sinks
V	Vandal-resistant screws for strainer	Not for cast iron strainers
T	Tapped trap primer connection, ½" FIP	—
2	Open-half strainer	Not for cast iron strainers
3	Open-quarter strainer	Not for cast iron strainers
W	Stainless steel debris basket for sump area	—
F	Round nickel bronze condensate funnel	—
FA	Round aluminum condensate funnel	—
FO	Oval nickel bronze condensate funnel	—
J	Solid PVC cover with lift handle	Only for sinks with no strainer
6	PVC flat strainer for drain outlet 5¼" dia.	Not for 6" sinks
L	Aluminum dome bottom strainer for drain outlet	Not for 6" sinks

Item No	Description	Pkg	Min Qty	Case Qty
STRAINERS				
860-WGP	PVC full strainer with lift handle	B*	1	16
860-WGP2	PVC open-half strainer	B*	1	10
860-WGP3	PVC open-quarter strainer	B*	1	10
860-GN	Nickel bronze full strainer only	B*	1	1
860-RGN	Nickel bronze ring and full strainer	B*	1	1
860-RGS	304 stainless steel ring and full strainer	B*	1	1
860-GN2	Nickel bronze open-half strainer only	B*	1	1
860-RGN2	Nickel bronze ring and open-half strainer	B*	1	1
860-RGS2	304 stainless steel ring and open-half strainer	B*	1	1
860-GN3	Nickel bronze open-quarter strainer only	B*	1	1
860-RGN3	Nickel bronze ring and open-quarter strainer	B*	1	1
860-RGS3	304 stainless steel ring and open-quarter strainer	B*	1	1
860-Gi	Cast iron strainer only	B*	1	5
860-WGPJ	PVC full cover	B*	1	16
ACCESSORIES				
860-WS	PVC sand bucket for sump area	B*	1	20
860-WU	PVC debris bucket for sump area	B*	1	20
860-C	PVC clamping collar with stainless steel screws	B*	1	10
861-D	PVC dome bottom strainer (not for 6" sinks)	B*	1	80
863-U	Aluminum dome bottom strainer (not for 6" sinks)	B*	1	5
861-6	PVC flat bottom strainer (not for 6" sinks)	B*	1	10
860-UM	Stainless steel debris basket	B*	1	5
863-FA	Round aluminum condensate funnel with screws	B*	1	5
863-FN	Round nickel bronze condensate funnel with screws	B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws	B*	1	5



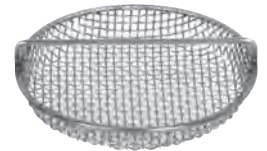
Option 2 / 860-RGN2



Option 3 / 860-WGP3



Option C / 860-C



Option W / 860-UM



Option S / 860-WS



Option U / 860-WU



Option F / 863-FN



Option FO / 863-FNO



Option 6 / 861-6



Option D / 861-D



Option L / 863-U

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



864-W3P2

Little Max™

Compact Round PVC Floor Sink

- New white color provides a cleaner appearance in floor sink applications
- PVC solvent weld connection
- Strainer ring can be used as a clamping collar for above-grade applications
- Stainless steel lift handle for strainer



864-WS



864-UM

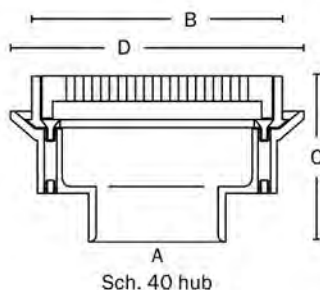


863-FA

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- T** Tapped 1/2" FIP for trap primer
- S** Sand bucket installed
- U** Stainless steel debris basket for sump area
- 2** Open-half strainer installed
- 3** Open-quarter strainer installed
- X** Drain body & ring/collar without strainer

[CLICK FOR SUBMITTAL](#)



PVC Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
864-W2P	2"	7 1/4"	4 1/4"	8 1/2"	B*	1	3
864-W3P	3"	7 1/4"	4 3/8"	8 1/2"	B*	1	3
864-W4P	4"	7 1/4"	5 1/8"	8 1/2"	B*	1	3
ACCESSORIES							
864-WGP	PVC strainer with lift handle, loose set				B*	1	1
864-WS	PVC sand bucket (fits inside sump area)				B*	1	10
864-UM	Stainless steel mesh debris basket				B*	1	10
863-FA	Aluminum condensate funnel with screws 4" tall, 4 5/16" top opening				B*	1	5
863-FN	Nickel bronze condensate funnel with screws 4" tall, 4 5/16" top opening				B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws				B*	1	5

Cast Iron Round Floor Sink

9" Diameter – No-Hub Connection

- Acid-resistant porcelain enamel coating (ARE)
- Perfect for high heat discharge applications



860-293Xi2



Option N2 / 860-RGN2



Option W / 860-UM



Option D / 861-AD

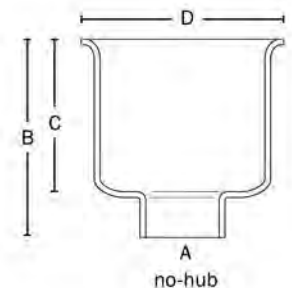
[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

- I** Full ARE cast iron grate
- I2** Open-half ARE cast iron grate
- I3** Open-quarter ARE cast iron grate
- N** Full nickel bronze grate
- N2** Open-half nickel bronze grate
- N3** Open-quarter nickel bronze grate
- S** Full 304 stainless steel grate
- S2** Open-half 304 stainless steel grate
- S3** Open-quarter 304 stainless steel grate
- W** Stainless steel debris basket
- D** Aluminum dome bottom strainer

Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
860-292X	2"	8¼"	6"	9"	B*	1	1
860-293X	3"	8¼"	6"	9"	B*	1	1
860-294X	4"	8¼"	6"	9"	B*	1	1

ACCESSORIES							
860-592i	Open-half grate, ARE cast iron				B*	1	1
860-593i	Open-quarter grate, ARE cast iron				B*	1	1
860-59i	Full grate, ARE cast iron				B*	1	1
860-RGN2	Open-half grate, nickel bronze				B*	1	1
860-RGN3	Open-quarter grate, nickel bronze				B*	1	1
860-RGN	Full grate, nickel bronze				B*	1	1
860-RGS2	Open-half grate, 304 stainless steel				B*	1	1
860-RGS3	Open-quarter grate, 304 stainless steel				B*	1	1
860-RGS	Full grate, 304 stainless steel				B*	1	1
860-UM	Stainless steel debris basket				B*	1	5
861-AD	Dome bottom strainer, aluminum				B*	1	20
863-FA	Aluminum condensate funnel with screws				B*	1	5
863-FN	Nickel bronze condensate funnel with screws				B*	1	5
863-FNO	Oval, nickel bronze condensate funnel with screws				B*	1	5



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Fat Max™

Round Stainless Steel Floor Sink

- All-stainless construction – body, strainer and debris bucket are 304 stainless steel
- Smooth, seamless sump area with bead-blasted finish is suitable for use in commercial/restaurant kitchens, health care facilities or food processing plants
- Other typical applications include breweries, chemical/textile plants, dairies or laboratories

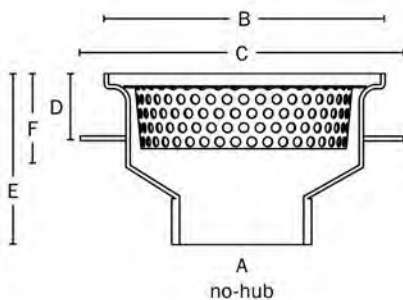


860-4SS



860-3SS

[CLICK FOR SUBMITTAL](#)



Item No	Dimensions						Pkg	Min Qty	Case Qty
	A	B	C	D	E	F			
860-3SS	3"	6¾"	8"	2"	5½"	3"	B*	1	1
860-4SS	4"	8⅞"	10⅜"	2"	5½"	3"	B*	1	1
ACCESSORIES									
860-3SSS	Strainer only for 860-3SS						B	1	1
860-4SSS	Strainer only for 860-4SS						B	1	1



FLASHING DRAINS

FINISH LINE™

STANDARD FLASHING DRAINS

HALO™

Finish Line™

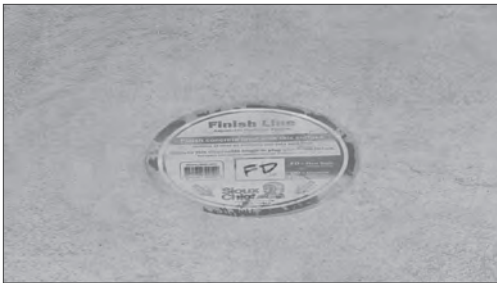
Adjustable Flashing Drain

Patent #7,735,512

Installing the Finish Line



Set Drain



Pour Concrete Flush with Plug



Remove Coring Plug



Install Finish Fixture



A Perfect Finish

The Finish Line™ allows for adjustment of the drain AFTER the pour. Achieve a perfect finish for every drain every time.



Finish Fixture



Coring Plug



Coring Sleeve



Base Adapter

Eliminate drains set too high or too low. Stop wrapping threads and boxing out.



Eliminate finish fixture damage by keeping them off the job during construction.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Finish Line™

Adjustable Flashing Drain
 Cast Iron No-Hub Connection
 Ductile on Cast – Large Head

- Adjustable AFTER the pour
- Cast iron base adapter with ductile iron clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for pedestrian traffic
- Ductile iron strainers for heavy-duty applications



833-23DiR

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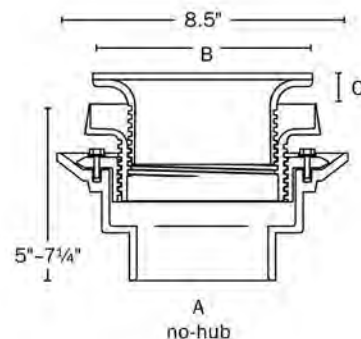
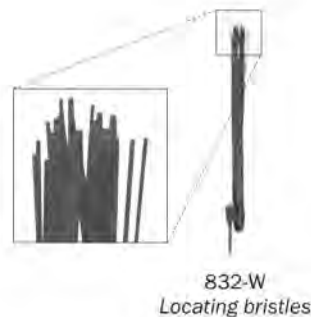
Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- H** Hinged strainer ¹
- E** Extended ring ²
- B** Complies with Buy American Act ²
- M** Medium-duty strainer (3,000 lbs. safe-load) ³

¹ Not available on ductile iron strainers.
² Only available for round nickel bronze ring and strainer.
³ Only available for round 304 SS ring & strainer.



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-22DF	(Coring plug)	2"	—	—	B*	1	1
833-23DF	(Coring plug)	3"	—	—	B*	1	1
833-24DF	(Coring plug)	4"	—	—	B*	1	1
FINISH FIXTURE							
832-4DHNR	Round nickel bronze	—	6½"	—	B*	1	10
832-4DHNQ	Square nickel bronze	—	7"	—	B*	1	10
832-4DHSR	Round stainless	—	6½"	—	B*	1	1
832-4DHSQ	Square 304 stainless	—	7"	—	B*	1	1
832-4DHIR	Round ductile	—	6½"	—	B*	1	10
COMPLETE ASSEMBLY							
833-22DNR	Round nickel bronze	2"	6½"	0-1¼"	B*	1	1
833-22DNQ	Square nickel bronze	2"	7"	5/16"-1¼"	B*	1	1
833-22DSR	Round 304 stainless	2"	6½"	0-1¼"	B*	1	1
833-22DSQ	Square 304 stainless	2"	7"	5/16"-1¼"	B*	1	1
833-22DiR	Round ductile	2"	6½"	0-1¼"	B*	1	1
833-23DNR	Round nickel bronze	3"	6½"	0-1¼"	B*	1	1
833-23DNQ	Square nickel bronze	3"	7"	5/16"-1¼"	B*	1	1
833-23DSR	Round 304 stainless	3"	6½"	0-1¼"	B*	1	1
833-23DSQ	Square 304 stainless	3"	7"	5/16"-1¼"	B*	1	1
833-23DiR	Round ductile	3"	6½"	0-1¼"	B*	1	1
833-24DNR	Round nickel bronze	4"	6½"	0-1¼"	B*	1	1
833-24DNQ	Square nickel bronze	4"	7"	5/16"-1¼"	B*	1	1
833-24DSR	Round 304 stainless	4"	6½"	0-1¼"	B*	1	1
833-24DSQ	Square 304 stainless	4"	7"	5/16"-1¼"	B*	1	1
833-24DiR	Round ductile	4"	6½"	0-1¼"	B*	1	1
ACCESSORIES							
832-4HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
832-4HHD	Hub drain finish fixture, iron				B*	1	1
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
863-FNO	Oval ni-brnz condensate funnel with screws				B*	1	5
832-S4	Two adjustment shims, two 3/4" screws				B*	1	10
832-UM	4¼" stainless steel debris basket				B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max				B*	1	1
832-W	Flexible red locating bristles with screw				B*	1	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



833-235DSR

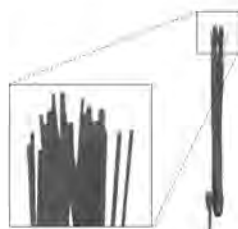
CLICK FOR SUBMITTAL



832-S3



863-FA



832-W
Locating bristles

Finish Line™

Adjustable Flashing Drain
Cast Iron No-Hub Connection
Ductile on Cast – Small Head

- Adjustable AFTER the pour
- Cast iron base adapter with ductile iron clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

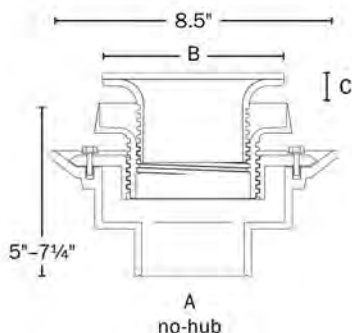
B Complies with Buy American Act ¹

E Extended ring ¹

¹ Only available for round nickel bronze ring & strainer.



832-3HHD



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-225DF	(Coring plug)	2"	—	—	B*	1	1
833-235DF	(Coring plug)	3"	—	—	B*	1	1
FINISH FIXTURE							
832-3DHNR	Round nickel bronze	—	5½"	—	B*	1	1
832-3DHNQ	Square nickel bronze	—	5⅞"	—	B*	1	1
832-3DHSR	Round 304 stainless	—	5½"	—	B*	1	1
832-3DHSQ	Square 304 stainless	—	5⅞"	—	B*	1	1
COMPLETE ASSEMBLY							
833-225DNR	Round nickel bronze	2"	5½"	0-1¼"	B*	1	1
833-225DNQ	Square nickel bronze	2"	5⅞"	5/16"-1¼"	B*	1	1
833-225DSR	Round 304 stainless	2"	5½"	0-1¼"	B*	1	1
833-225DSQ	Square 304 stainless	2"	5⅞"	5/16"-1¼"	B*	1	1
833-235DNR	Round nickel bronze	3"	5½"	0-1¼"	B*	1	1
833-235DNQ	Square nickel bronze	3"	5⅞"	5/16"-1¼"	B*	1	1
833-235DSR	Round 304 stainless	3"	5½"	0-1¼"	B*	1	1
833-235DSQ	Square 304 stainless	3"	5⅞"	5/16"-1¼"	B*	1	1
ACCESSORIES							
832-3HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
832-S3	Two adjustment shims, two ¾" screws				B*	1	10
832-W	Flexible red locating bristles with screw				B*	1	10

Finish Line™

Adjustable Flashing Drain
Cast Iron Push-Joint Connection
Ductile on Cast – Large Head

- Adjustable AFTER the pour
- Cast iron base adapter with ductile iron clamping collar, coring sleeve, head adapter, poly coring plug and neoprene push-joint gasket
- Nickel bronze and stainless steel strainers for pedestrian traffic
- Ductile iron strainers for heavy-duty applications

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- H** Hinged strainer ¹
- E** Extended ring ²
- B** Complies with Buy American Act ²
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ³
- M** Medium-duty strainer (3,000 lbs. safe-load) ⁴

¹ Not available on ductile iron strainers.
² Only available for round nickel bronze ring and strainer.
³ Not available for 2" drains.
⁴ Only available for round 304 SS ring & strainer.



832-S4

Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-62DF	(Coring plug)	2"	—	—	B*	1	1
833-63DF	(Coring plug)	3"	—	—	B*	1	1
833-64DF	(Coring plug)	4"	—	—	B*	1	1
FINISH FIXTURE							
832-4DHNH	Round nickel bronze	—	6½"	—	B*	1	10
832-4DHNQ	Square nickel bronze	—	7"	—	B*	1	10
832-4DHSR	Round 304 stainless	—	6½"	—	B*	1	1
832-4DHSQ	Square 304 stainless	—	7"	—	B*	1	1
832-4DHIR	Round ductile	—	6½"	—	B*	1	10
COMPLETE ASSEMBLY							
833-62DNR	Round nickel bronze	2"	6½"	0-1¼"	B*	1	1
833-62DNQ	Square nickel bronze	2"	7"	5/16"-1¼"	B*	1	1
833-62DSR	Round 304 stainless	2"	6½"	0-1¼"	B*	1	1
833-62DSQ	Square 304 stainless	2"	7"	5/16"-1¼"	B*	1	1
833-62DiR	Round ductile	2"	6½"	0-1¼"	B*	1	1
833-63DNR	Round nickel bronze	3"	6½"	0-1¼"	B*	1	1
833-63DNQ	Square nickel bronze	3"	7"	5/16"-1¼"	B*	1	1
833-63DSR	Round 304 stainless	3"	6½"	0-1¼"	B*	1	1
833-63DSQ	Square 304 stainless	3"	7"	5/16"-1¼"	B*	1	1
833-63DiR	Round ductile	3"	6½"	0-1¼"	B*	1	1
833-64DNR	Round nickel bronze	4"	6½"	0-1¼"	B*	1	1
833-64DNQ	Square nickel bronze	4"	7"	5/16"-1¼"	B*	1	1
833-64DSR	Round 304 stainless	4"	6½"	0-1¼"	B*	1	1
833-64DSQ	Square 304 stainless	4"	7"	5/16"-1¼"	B*	1	1
833-64DiR	Round ductile	4"	6½"	0-1¼"	B*	1	1
ACCESSORIES							
832-4HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
832-4DHHH	Hub drain finish fixture, iron				B*	1	1
858-PG4	Push-joint gasket for 4" Sch. 40 pipe				B	1	1
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
863-FNO	Oval ni-brnz condensate funnel with screws				B*	1	5
832-S4	Two adjustment shims, two ¾" screws				B*	1	10
832-UM	4¼" stainless steel debris basket				B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max				B*	1	1
832-W	Flexible red locating bristles with screw				B*	1	10



833-63DNQ

CLICK FOR SUBMITTAL



Option E
Extended Ring



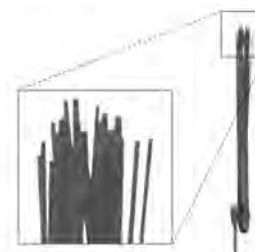
832-EX4



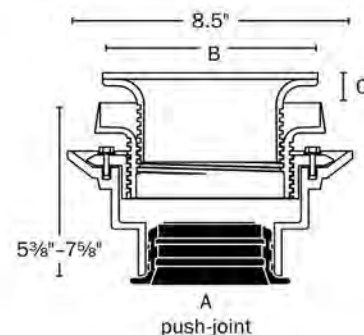
832-UM



832-4HHD



832-W
Locating bristles



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



833-625DNQ

CLICK FOR SUBMITTAL

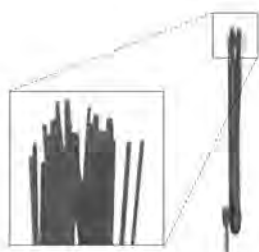
Finish Line™

Adjustable Flashing Drain
Cast Iron Push-Joint Connection
Ductile on Cast – Small Head

- Adjustable AFTER the pour
- Cast iron base adapter with ductile iron clamping collar, coring sleeve, head adapter, poly coring plug, and neoprene push-joint gasket
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



863-FA



832-W
Locating bristles



832-S3

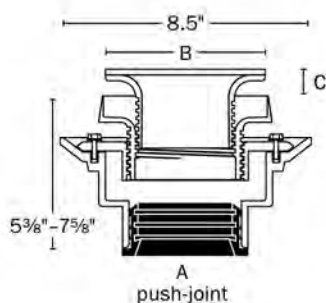
Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- B** Complies with Buy American Act ¹
- E** Extended ring ¹
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ²

¹ Only available for round nickel bronze ring & strainer.
² Only available for 3" drains.



832-3HHD



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-625DF	(Coring plug)	2"	—	—	B*	1	1
833-635DF	(Coring plug)	3"	—	—	B*	1	1
FINISH FIXTURE							
832-3DHNR	Round nickel bronze	—	5 1/2"	—	B*	1	1
832-3DHNQ	Square nickel bronze	—	5 7/8"	—	B*	1	1
832-3DHSR	Round 304 stainless	—	5 1/2"	—	B*	1	1
832-3DHSQ	Square 304 stainless	—	5 7/8"	—	B*	1	1
COMPLETE ASSEMBLY							
833-625DNR	Round nickel bronze	2"	5 1/2"	0-1 1/4"	B*	1	1
833-625DNQ	Square nickel bronze	2"	5 7/8"	5/16"-1 1/4"	B*	1	1
833-625DSR	Round 304 stainless	2"	5 1/2"	0-1 1/4"	B*	1	1
833-625DSQ	Square 304 stainless	2"	5 7/8"	5/16"-1 1/4"	B*	1	1
833-635DNR	Round nickel bronze	3"	5 1/2"	0-1 1/4"	B*	1	1
833-635DNQ	Square nickel bronze	3"	5 7/8"	5/16"-1 1/4"	B*	1	1
833-635DSR	Round 304 stainless	3"	5 1/2"	0-1 1/4"	B*	1	1
833-635DSQ	Square 304 stainless	3"	5 7/8"	5/16"-1 1/4"	B*	1	1
ACCESSORIES							
832-3HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
832-S3	Two adjustment shims, two 3/4" screws				B*	1	10
832-W	Flexible red locating bristles with screw				B*	1	10

Finish Line™

Adjustable Flashing Drain
Cast Iron No-Hub Connection
ABS on Cast - Large Head

- Adjustable AFTER the pour
- Cast iron base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



833-23NR

CLICK FOR SUBMITTAL

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- H** Hinged strainer
- E** Extended ring¹
- B** Complies with Buy American Act¹



Option H
Hinged Strainer



832-S4



832-EX4



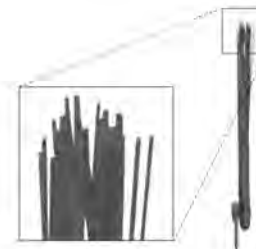
832-UM



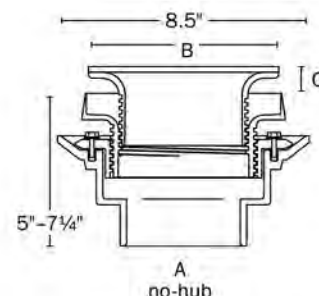
832-4HHD

¹ Only available for round nickel bronze ring and strainer.

Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-22F	(Coring plug)	2"	—	—	B*	1	1
833-23F	(Coring plug)	3"	—	—	B*	1	1
833-24F	(Coring plug)	4"	—	—	B*	1	1
FINISH FIXTURE							
832-4HNR	Round nickel bronze	—	6½"	—	B*	1	10
832-4HNQ	Square nickel bronze	—	7"	—	B*	1	10
832-4HSR	Round 304 stainless	—	6½"	—	B*	1	1
832-4HSQ	Square 304 stainless	—	7"	—	B*	1	1
COMPLETE ASSEMBLY							
833-22NR	Round nickel bronze	2"	6½"	0-1¼"	B*	1	1
833-22NQ	Square nickel bronze	2"	7"	5/16"-1¼"	B*	1	1
833-22SR	Round 304 stainless	2"	6½"	0-1¼"	B*	1	1
833-22SQ	Square 304 stainless	2"	7"	5/16"-1¼"	B*	1	1
833-23NR	Round nickel bronze	3"	6½"	0-1¼"	B*	1	1
833-23NQ	Square nickel bronze	3"	7"	5/16"-1¼"	B*	1	1
833-23SR	Round 304 stainless	3"	6½"	0-1¼"	B*	1	1
833-23SQ	Square 304 stainless	3"	7"	5/16"-1¼"	B*	1	1
833-24NR	Round nickel bronze	4"	6½"	0-1¼"	B*	1	1
833-24NQ	Square nickel bronze	4"	7"	5/16"-1¼"	B*	1	1
833-24SR	Round 304 stainless	4"	6½"	0-1¼"	B*	1	1
833-24SQ	Square 304 stainless	4"	7"	5/16"-1¼"	B*	1	1
ACCESSORIES							
832-4HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
832-4DHHD	Hub drain finish fixture, iron				B*	1	1
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
863-FNO	Oval ni-brnz condensate funnel with screws				B*	1	5
832-S4	Two adjustment shims, two 3/4" screws				B*	1	10
832-UM	4 1/4" stainless steel debris basket				B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max				B*	1	1
832-W	Flexible red locating bristles with screw				B*	1	10



832-W
Locating bristles





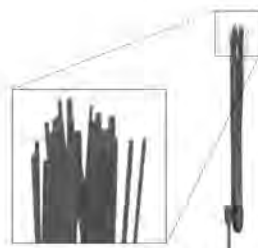
833-235NQ

CLICK FOR SUBMITTAL

Finish Line™

Adjustable Flashing Drain
Cast Iron No-Hub Connection
ABS on Cast - Small Head

- Adjustable AFTER the pour
- Cast iron base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



832-W
Locating bristles



832-S3



863-FA



832-3HHD

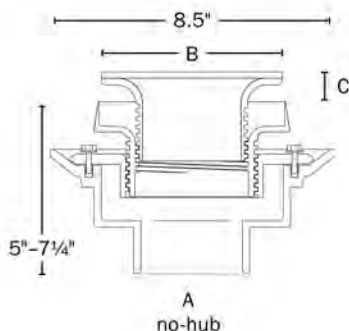
Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

B Complies with Buy American Act ¹

E Extended ring ¹

¹ Only available for round nickel bronze ring and strainer.



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-225F	(Coring plug)	2"	—	—	B*	1	1
833-235F	(Coring plug)	3"	—	—	B*	1	1
FINISH FIXTURE							
832-3HNR	Round nickel bronze	—	5½"	—	B*	1	10
832-3HNQ	Square nickel bronze	—	5⅞"	—	B*	1	10
832-3HSR	Round 304 stainless	—	5½"	—	B*	1	1
832-3HSQ	Square 304 stainless	—	5⅞"	—	B*	1	1
COMPLETE ASSEMBLY							
833-225NR	Round nickel bronze	2"	5½"	0-1"	B*	1	1
833-225NQ	Square nickel bronze	2"	5⅞"	5/16"-1"	B*	1	1
833-225SR	Round 304 stainless	2"	5½"	0-1"	B*	1	1
833-225SQ	Square 304 stainless	2"	5⅞"	5/16"-1"	B*	1	1
833-235NR	Round nickel bronze	3"	5½"	0-1"	B*	1	1
833-235NQ	Square nickel bronze	3"	5⅞"	5/16"-1"	B*	1	1
833-235SR	Round 304 stainless	3"	5½"	0-1"	B*	1	1
833-235SQ	Square 304 stainless	3"	5⅞"	5/16"-1"	B*	1	1
ACCESSORIES							
832-3HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
832-S3	Two adjustment shims, two ¾" screws				B*	1	10
832-W	Flexible red locating bristles with screw				B*	1	10

Finish Line™

Adjustable Flashing Drain
 Cast Iron Push-Joint Connection
 ABS on Cast - Large Head

- Adjustable AFTER the pour
- Cast iron base adapter with ABS clamping collar, coring sleeve, head adapter, poly coring plug and neoprene push-joint gasket
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



833-63NQ

CLICK FOR SUBMITTAL

SUPPLY

DRAINAGE

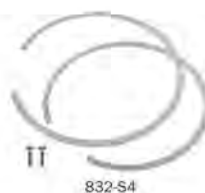
SUPPORT

APPENDIX

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- H** Hinged strainer
- E** Extended ring ¹
- B** Complies with Buy American Act ¹
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ²

¹ Only available for round nickel bronze ring and strainer.
² Not available for 2" drains.



832-S4



Option E
 Extended Ring



832-EX4

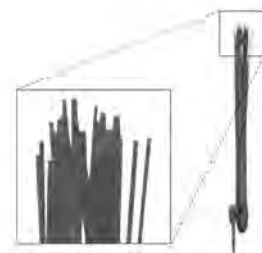


832-UM

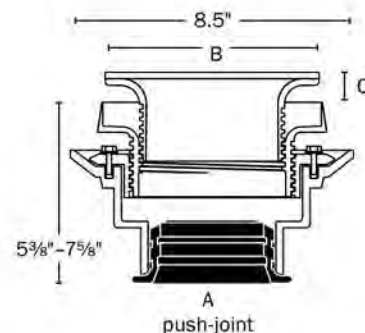


832-4HHD

Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-62F	(Coring plug)	2"	—	—	B*	1	1
833-63F	(Coring plug)	3"	—	—	B*	1	1
833-64F	(Coring plug)	4"	—	—	B*	1	4
FINISH FIXTURE							
832-4HNR	Round nickel bronze	—	6½"	—	B*	1	10
832-4HNQ	Square nickel bronze	—	7"	—	B*	1	10
832-4HSR	Round 304 stainless	—	6½"	—	B*	1	1
832-4HSQ	Square 304 stainless	—	7"	—	B*	1	1
COMPLETE ASSEMBLY							
833-62NR	Round nickel bronze	2"	6½"	0-1¼"	B*	1	1
833-62NQ	Square nickel bronze	2"	7"	5/16"-1¼"	B*	1	1
833-62SR	Round 304 stainless	2"	6½"	0-1¼"	B*	1	1
833-62SQ	Square 304 stainless	2"	7"	5/16"-1¼"	B*	1	1
833-63NR	Round nickel bronze	3"	6½"	0-1¼"	B*	1	1
833-63NQ	Square nickel bronze	3"	7"	5/16"-1¼"	B*	1	1
833-63SR	Round 304 stainless	3"	6½"	0-1¼"	B*	1	1
833-63SQ	Square 304 stainless	3"	7"	5/16"-1¼"	B*	1	1
833-64NR	Round nickel bronze	4"	6½"	0-1¼"	B*	1	1
833-64NQ	Square nickel bronze	4"	7"	5/16"-1¼"	B*	1	1
833-64SR	Round 304 stainless	4"	6½"	0-1¼"	B*	1	1
833-64SQ	Square 304 stainless	4"	7"	5/16"-1¼"	B*	1	1
ACCESSORIES							
832-4HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
832-4DHHD	Hub drain finish fixture, iron				B*	1	1
858-PG4	Push-joint gasket for 4" Sch. 40 pipe				B*	1	1
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
863-FNO	Oval ni-brnz condensate funnel with screws				B*	1	5
832-S4	Two adjustment shims, two ¾" screws				B*	1	10
832-UM	4¼" stainless debris basket				B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max				B*	1	1
832-W	Flexible red locating bristles with screw				B*	1	10



832-W
 Locating bristles





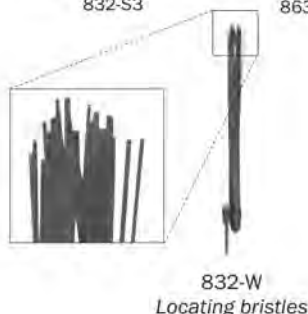
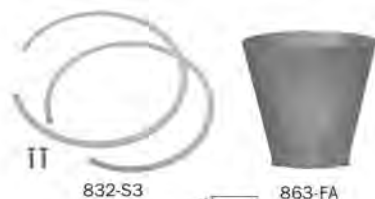
833-625NQ

CLICK FOR SUBMITTAL

Finish Line™

Adjustable Flashing Drain
Cast Iron Push-Joint Connection
ABS on Cast – Small Head

- Adjustable AFTER the pour
- Cast iron base adapter with ABS clamping collar, coring sleeve, head adapter, poly coring plug and neoprene push-joint gasket
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas

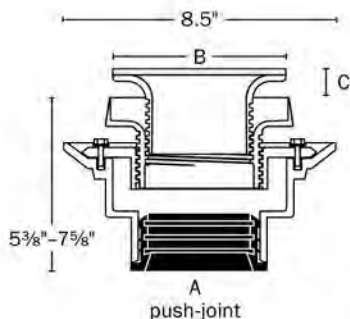


- Options:** Add letter suffix. Add price to list.
- V** Vandal-resistant screws
 - B** Complies with Buy American Act ¹
 - E** Extended ring ¹
 - P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ²

¹ Only available for round nickel bronze ring and strainer.
² Only available for 3" drains.



832-3HHD



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
ROUGH-IN DRAIN							
833-625F	(Coring plug)	2"	—	—	B*	1	1
833-635F	(Coring plug)	3"	—	—	B*	1	1
FINISH FIXTURE							
832-3HNR	Round nickel bronze	—	5 1/2"	—	B*	1	10
832-3HNQ	Square nickel bronze	—	5 7/8"	—	B*	1	10
832-3HSR	Round 304 stainless	—	5 1/2"	—	B*	1	1
832-3HSQ	Square 304 stainless	—	5 7/8"	—	B*	1	1
COMPLETE ASSEMBLY							
833-625NR	Round nickel bronze	2"	5 1/2"	0-1"	B*	1	1
833-625NQ	Square nickel bronze	2"	5 7/8"	5/16"-1"	B*	1	1
833-625SR	Round 304 stainless	2"	5 1/2"	0-1"	B*	1	1
833-625SQ	Square 304 stainless	2"	5 7/8"	5/16"-1"	B*	1	1
833-635NR	Round nickel bronze	3"	5 1/2"	0-1"	B*	1	1
833-635NQ	Square nickel bronze	3"	5 7/8"	5/16"-1"	B*	1	1
833-635SR	Round 304 stainless	3"	5 1/2"	0-1"	B*	1	1
833-635SQ	Square 304 stainless	3"	5 7/8"	5/16"-1"	B*	1	1
ACCESSORIES							
832-3HHD	Hub drain finish fixture, ABS/PVC				B*	1	10
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
832-S3	Two adjustment shims, two 3/4" screws				B*	1	10
832-W	Flexible red locating bristles with screw				B*	1	10

Finish Line™

Adjustable Flashing Drain Sch. 40 Hub Connection – Large Head

- Adjustable AFTER the pour
- ABS/PVC base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



833-3PNR

CLICK FOR SUBMITTAL

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

H Hinged strainer

E Extended ring¹

B Complies with Buy American Act¹



Option H
Hinged Strainer



832-S4



832-EX4



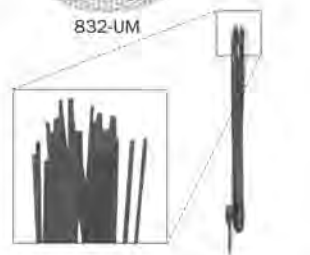
832-4HHD

¹ Only available for round nickel bronze ring and strainer.

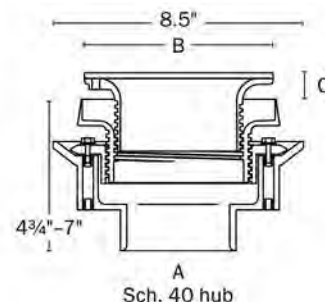
PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
ROUGH-IN DRAIN								
833-2PF	833-2AF	(Coring plug)	2"	—	—	B*	1	10
833-3PF	833-3AF	(Coring plug)	3"	—	—	B*	1	10
833-4PF	833-4AF	(Coring plug)	4"	—	—	B*	1	10
FINISH FIXTURE								
832-4HNR	—	Round nickel bronze	—	6½"	—	B*	1	10
832-4HNQ	—	Square nickel bronze	—	7"	—	B*	1	10
832-4HSR	—	Round 304 stainless	—	6½"	—	B*	1	1
832-4HSQ	—	Square 304 stainless	—	7"	—	B*	1	1
COMPLETE ASSEMBLY								
833-2PNR	833-2ANR	Round nickel bronze	2"	6½"	0-1¼"	B*	1	1
833-2PNQ	833-2ANQ	Square nickel bronze	2"	7"	5/16"-1¼"	B*	1	1
833-2PSR	833-2ASR	Round 304 stainless	2"	6½"	0-1¼"	B*	1	1
833-2PSQ	833-2ASQ	Square 304 stainless	2"	7"	5/16"-1¼"	B*	1	1
833-3PNR	833-3ANR	Round nickel bronze	3"	6½"	0-1¼"	B*	1	1
833-3PNQ	833-3ANQ	Square nickel bronze	3"	7"	5/16"-1¼"	B*	1	1
833-3PSR	833-3ASR	Round 304 stainless	3"	6½"	0-1¼"	B*	1	1
833-3PSQ	833-3ASQ	Square 304 stainless	3"	7"	5/16"-1¼"	B*	1	1
833-4PNR	833-4ANR	Round nickel bronze	4"	6½"	0-1¼"	B*	1	1
833-4PNQ	833-4ANQ	Square nickel bronze	4"	7"	5/16"-1¼"	B*	1	1
833-4PSR	833-4ASR	Round 304 stainless	4"	6½"	0-1¼"	B*	1	1
833-4PSQ	833-4ASQ	Square 304 stainless	4"	7"	5/16"-1¼"	B*	1	1
ACCESSORIES								
832-4HHD	Hub drain finish fixture, ABS/PVC					B*	1	10
832-4DHHD	Hub drain finish fixture, iron					B*	1	1
863-FA	Round aluminum condensate funnel with screws					B*	1	5
863-FN	Round nickel bronze condensate funnel with screws					B*	1	5
863-FNO	Oval nickel bronze condensate funnel with screws					B*	1	5
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-UM	4¼" stainless steel debris basket					B*	1	1
832-EX4	Ductile iron extension nipple - 2" min - 4" max					B*	1	1
832-W	Flexible red locating bristles with screw					B*	1	10



832-UM



832-W
Locating bristles





833-35PNQ

CLICK FOR SUBMITTAL

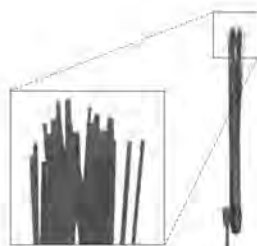
Finish Line™

Adjustable Flashing Drain
Sch. 40 Hub Connection – Small Head

- Adjustable AFTER the pour
- ABS/PVC base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



863-FA



832-W
Locating bristles



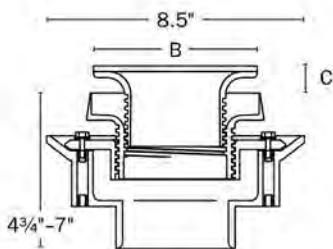
832-S3

Options: Add letter suffix. Add price to list.
V Vandal-resistant screws
B Complies with Buy American Act ¹
E Extended ring ¹

¹ Only available for round nickel bronze ring and strainer.



832-3HHD



A
Sch. 40 hub

PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
ROUGH-IN DRAIN								
833-25PF	833-25AF	(Coring plug)	2"	–	–	B*	1	1
833-35PF	833-35AF	(Coring plug)	3"	–	–	B*	1	1
FINISH FIXTURE								
832-3HNR	–	Round nickel bronze	–	5½"	–	B*	1	10
832-3HNQ	–	Square nickel bronze	–	5⅞"	–	B*	1	10
832-3HSR	–	Round 304 stainless	–	5½"	–	B*	1	1
832-3HSQ	–	Square 304 stainless	–	5⅞"	–	B*	1	1
COMPLETE ASSEMBLY								
833-25PNR	833-25ANR	Round nickel bronze	2"	5½"	0–1"	B*	1	1
833-25PNQ	833-25ANQ	Square nickel bronze	2"	5⅞"	5/16"–1"	B*	1	1
833-25PSR	833-25ASR	Round 304 stainless	2"	5½"	0–1"	B*	1	1
833-25PSQ	833-25ASQ	Square 304 stainless	2"	5⅞"	5/16"–1"	B*	1	1
833-35PNR	833-35ANR	Round nickel bronze	3"	5½"	0–1"	B*	1	1
833-35PNQ	833-35ANQ	Square nickel bronze	3"	5⅞"	5/16"–1"	B*	1	1
833-35PSR	833-35ASR	Round 304 stainless	3"	5½"	0–1"	B*	1	1
833-35PSQ	833-35ASQ	Square 304 stainless	3"	5⅞"	5/16"–1"	B*	1	1
ACCESSORIES								
832-3HHD		Hub drain finish fixture, ABS/PVC				B*	1	10
863-FA		Round aluminum condensate funnel with screws				B*	1	5
863-FN		Round nickel bronze condensate funnel with screws				B*	1	5
832-S3		Two adjustment shims, two 3/4" screws				B*	1	10
832-W		Flexible red locating bristles with screw				B*	1	10

Flashing Drain Cast Iron No-Hub Connection

Nickel Bronze, Stainless Steel or Cast Iron
Ring & Strainer

- Cast iron base adapter with ABS clamping collar and head adapter
- Acme threads are stronger than pipe threads and prevent cross-threading
- Ductile iron head/collar available
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas
- Cast iron strainers for use in heavy-duty applications

CLICK FOR SUBMITTAL

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws ¹
- H** Hinged strainer ¹
- Y** Ductile iron head adapter in place of ABS
- D** Ductile iron clamping collar in place of ABS
- E** Extended ring ²
- B** Complies with Buy American Act ²
- M** Medium-duty strainer (3,000 lbs. safe-load)



Option E
Extended Ring

¹ Not available on cast iron strainers.
² Only available for round nickel bronze ring and strainer.

Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
ROUND NICKEL BRONZE RING & STRAINER						
863-22NR	2"	6½"	4¾"-6¾"	B*	1	3
863-23NR	3"	6½"	4¾"-6¾"	B*	1	2
863-24NR	4"	6½"	4¾"-6¾"	B*	1	2
ROUND STAINLESS STEEL RING & STRAINER						
863-22SR	2"	6½"	4¾"-6¾"	B*	1	3
863-23SR	3"	6½"	4¾"-6¾"	B*	1	2
863-24SR	4"	6½"	4¾"-6¾"	B*	1	2
SQUARE NICKEL BRONZE RING & STRAINER						
863-22NQ	2"	7"	4¾"-6¾"	B*	1	2
863-23NQ	3"	7"	4¾"-6¾"	B*	1	2
863-24NQ	4"	7"	4¾"-6¾"	B*	1	2
SQUARE STAINLESS STEEL RING & STRAINER						
863-22SQ	2"	7"	4¾"-6¾"	B*	1	2
863-23SQ	3"	7"	4¾"-6¾"	B*	1	2
863-24SQ	4"	7"	4¾"-6¾"	B*	1	2
CAST IRON RING & STRAINER						
863-22i	2"	6⅝"	5⅜"-7⅜"	B*	1	2
863-23i	3"	6⅝"	5⅜"-7⅜"	B*	1	2
863-24i	4"	6⅝"	5⅜"-7⅜"	B*	1	2
ACCESSORIES						
863-FA	Round aluminum condensate funnel with screws			B	1	5
863-FN	Round ni-brnz condensate funnel with screws			B	1	5
863-FNO	Oval ni-brnz condensate funnel with screws			B	1	5
842-UM	4⅝" stainless steel debris basket			B*	1	1



863-23NR



863-23NQ



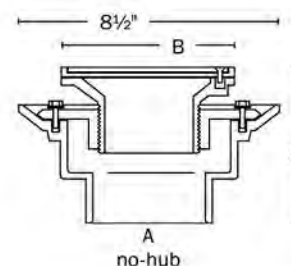
863-23i



842-UM



863-FA



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



863-63NR



863-63NQ



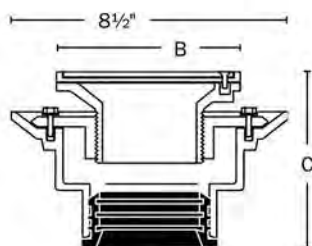
863-63i



842-UM



863-FA



A
push-joint

Flashing Drain Cast Iron Push-Joint Connection

Nickel Bronze, Stainless Steel or Cast Iron Ring & Strainer

- Cast iron base adapter with ABS clamping collar, head adapter and neoprene push-joint gasket
- Acme threads are stronger than pipe threads and prevent cross-threading
- Ductile iron head/collar available
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas
- Cast iron strainers for use in heavy-duty applications

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws ¹
- H** Hinged strainer ¹
- Y** Ductile iron head adapter in place of ABS
- D** Ductile iron clamping collar in place of ABS
- E** Extended ring ²
- B** Complies with Buy American Act ²
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ³
- M** Medium-duty strainer (3,000 lbs. safe-load)



Option H
Hinged Strainer

- ¹ Not available on cast iron strainers.
- ² Only available for round nickel bronze ring and strainer.
- ³ Not available for 2" drains.

Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
ROUND NICKEL BRONZE RING & STRAINER						
863-62NR	2"	6½"	5⅛"–6⅛"	B*	1	3
863-63NR	3"	6½"	5⅛"–6⅛"	B*	1	2
863-64NR	4"	6½"	5⅛"–6⅛"	B*	1	2
ROUND STAINLESS STEEL RING & STRAINER						
863-62SR	2"	6½"	5⅛"–6⅛"	B*	1	3
863-63SR	3"	6½"	5⅛"–6⅛"	B*	1	2
863-64SR	4"	6½"	5⅛"–6⅛"	B*	1	2
SQUARE NICKEL BRONZE RING & STRAINER						
863-62NQ	2"	7"	5⅛"–6⅛"	B*	1	2
863-63NQ	3"	7"	5⅛"–6⅛"	B*	1	2
863-64NQ	4"	7"	5⅛"–6⅛"	B*	1	2
SQUARE STAINLESS STEEL RING & STRAINER						
863-62SQ	2"	7"	5⅛"–6⅛"	B*	1	2
863-63SQ	3"	7"	5⅛"–6⅛"	B*	1	2
863-64SQ	4"	7"	5⅛"–6⅛"	B*	1	2
CAST IRON RING & STRAINER						
863-62i	2"	6⅝"	5¾"–7¾"	B*	1	2
863-63i	3"	6⅝"	5¾"–7¾"	B*	1	2
863-64i	4"	6⅝"	5¾"–7¾"	B*	1	2
ACCESSORIES						
858-PG4	Push-joint gasket for 4" Sch. 40 pipe			B	1	1
863-FA	Round aluminum condensate funnel with screws			B	1	5
863-FN	Round ni-brnz condensate funnel with screws			B	1	5
863-FNO	Oval ni-brnz condensate funnel with screws			B	1	5
842-UM	4⅝" stainless steel debris basket			B*	1	1

Flashing Drain Sch. 40 Hub Connection

Round Pattern Ring and Strainer

- ABS/PVC base adapter with ABS clamping collar and head adapter
- Acme threads are stronger than pipe threads and prevent cross-threading
- Ductile iron head/collar available
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas
- Cast iron strainers for use in heavy-duty applications

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws ¹
- H** Hinged strainer ²
- Y** Ductile iron head adapter in place of ABS
- D** Ductile iron clamping collar in place of ABS
- T** Tapped ½" FIP for trap primer with plug
- E** Extended ring ³
- B** Complies with Buy American Act ³
- M** Medium-duty strainer (3,000 lbs. safe-load) ⁴

- ¹ Not available on cast iron strainers
- ² Available for 6½" nickel bronze and stainless steel strainers
- ³ Available for nickel bronze ring and strainer
- ⁴ Only available for round 304 SS ring & strainer

CLICK FOR SUBMITTAL



PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
NICKEL BRONZE RING & STRAINER							
863-425NR	863-325NR	2"	5½"	4¾"-6¾"	B*	1	6
863-42NR	863-32NR	2"	6½"	4½"-6½"	B*	1	6
863-435NR	863-335NR	3"	5½"	4¾"-6¾"	B*	1	6
863-43NR	863-33NR	3"	6½"	4½"-6½"	B*	1	6
863-445NR	863-345NR	4"	5½"	4¾"-6¾"	B*	1	6
863-44NR	863-34NR	4"	6½"	4½"-6½"	B*	1	6
304 STAINLESS STEEL RING & STRAINER							
863-425SR	863-325SR	2"	5½"	4¾"-6¾"	B*	1	6
863-42SR	863-32SR	2"	6½"	4½"-6½"	B*	1	6
863-435SR	863-335SR	3"	5½"	4¾"-6¾"	B*	1	6
863-43SR	863-33SR	3"	6½"	4½"-6½"	B*	1	6
863-44SR	863-34SR	4"	6½"	4½"-6½"	B*	1	6
CAST IRON RING & STRAINER							
863-425i	863-325i	2"	6½"	4¾"-6¾"	B*	1	2
863-42i	863-32i	2"	6¾"	5½"-7½"	B*	1	2
863-43i	863-33i	3"	6¾"	5½"-7½"	B*	1	2
863-44i	863-34i	4"	6¾"	5½"-7½"	B*	1	2
ACCESSORIES							
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
863-FNO	Oval ni-brnz condensate funnel with screws				B*	1	5
842-UM	4¾" stainless steel debris basket (use with larger head only)				B*	1	1



863-43NR



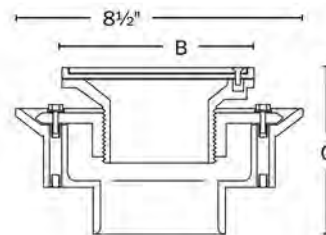
863-425i



842-UM



863-FA



Sch. 40 hub

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



863-43NQ

CLICK FOR SUBMITTAL



842-UM



863-FA

Flashing Drain Sch. 40 Hub Connection

Square Pattern Ring and Strainer

- ABS/PVC base adapter with ABS clamping collar and head adapter
- Acme threads are stronger than pipe threads and prevent cross-threading
- Ductile iron head/collar available
- Square strainer is perfect for floor tile
- For use in pedestrian traffic areas

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

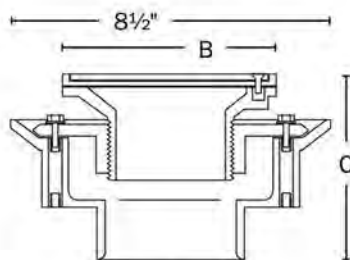


Option H

Hinged Strainer ¹ Available for 7" nickel bronze and stainless steel strainers.

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- H** Hinged strainer ¹
- Y** Ductile iron head adapter in place of ABS
- D** Ductile iron clamping collar in place of ABS
- T** Tapped 1/2" FIP for trap primer with plug



A
Sch. 40 hub

PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
NICKEL BRONZE RING & STRAINER							
863-425NQ	863-325NQ	2"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2
863-42NQ	863-32NQ	2"	7"	4 1/2" - 6 1/2"	B*	1	2
863-435NQ	863-335NQ	3"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2
863-43NQ	863-33NQ	3"	7"	4 1/2" - 6 1/2"	B*	1	2
863-445NQ	863-345NQ	4"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2
863-44NQ	863-34NQ	4"	7"	4 1/2" - 6 1/2"	B*	1	2
304 STAINLESS STEEL RING & STRAINER							
863-425SQ	863-325SQ	2"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2
863-42SQ	863-32SQ	2"	7"	4 1/2" - 6 1/2"	B*	1	2
863-435SQ	863-335SQ	3"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2
863-43SQ	863-33SQ	3"	7"	4 1/2" - 6 1/2"	B*	1	2
863-44SQ	863-34SQ	4"	7"	4 1/2" - 6 1/2"	B*	1	2
ACCESSORIES							
863-FA	Round aluminum condensate funnel with screws				B*	1	5
863-FN	Round ni-brnz condensate funnel with screws				B*	1	5
863-FNO	Oval ni-brnz condensate funnel with screws				B*	1	5
842-UM	4 5/8" stainless steel debris basket (use with larger head only)				B*	1	1

Halo™ Drain

Adjustable Floor Drain with Deck Flange Ductile Iron No-Hub Connection

- 2" or 3" no-hub connection
- Head adjusts up to 3/4" above flush to accommodate most flooring types
- Finish Line™ models are adjustable AFTER the pour
- Installs easily in cored concrete floors or corrugated decks
- Great for loft remodels, second floor utility rooms/laundry rooms, etc.

Options: Add letter after dash in item number. Add prices to list.
M Clamping collar kit

- Options:** Add letter suffix. Add price to list.
V Vandal-resistant screws
B Complies with Buy American Act ¹
E Extended ring ¹
9 90 deg. side outlet connection

¹ Only available for round nickel bronze ring and strainer.



822-M3DNR

CLICK FOR SUBMITTAL FOR HALO DRAIN



822-F3DSR

CLICK FOR SUBMITTAL FOR FINISH LINE HALO

Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
HALO DRAIN							
822-2DNR	Round nickel bronze	2"	5 1/2"	0" - 3/4"	B	1	4
822-2DSR	Round 304 stainless	2"	5 1/2"	0" - 3/4"	B	1	4
822-2DNQ	Square nickel bronze	2"	5 7/8"	5/16" - 3/4"	B	1	4
822-2DSQ	Square 304 stainless	2"	5 7/8"	5/16" - 3/4"	B	1	4
822-3DNR	Round nickel bronze	3"	5 1/2"	0" - 3/4"	B	1	4
822-3DSR	Round 304 stainless	3"	5 1/2"	0" - 3/4"	B	1	4
822-3DNQ	Square nickel bronze	3"	5 7/8"	5/16" - 3/4"	B	1	4
822-3DSQ	Square 304 stainless	3"	5 7/8"	5/16" - 3/4"	B	1	4
FINISH LINE HALO ROUGH-IN DRAIN							
822-2DF	(Coring plug)	2"	—	1"	B	1	1
822-3DF	(Coring plug)	3"	—	1"	B	1	1
FINISH LINE HALO FINISH FIXTURE							
832-3DHR	Round nickel bronze	—	5 1/2"	1" - 2"	B	1	1
832-3DHSR	Round 304 stainless	—	5 1/2"	1" - 2"	B	1	1
832-3DHRQ	Square nickel bronze	—	5 7/8"	1 5/16" - 2"	B	1	1
832-3DHSQ	Square 304 stainless	—	5 7/8"	1 5/16" - 2"	B	1	1
FINISH LINE HALO COMPLETE ASSEMBLY							
822-F2DNR	Round nickel bronze	2"	5 1/2"	1" - 2"	B*	1	1
822-F2DSR	Round 304 stainless	2"	5 1/2"	1" - 2"	B*	1	1
822-F2DNQ	Square nickel bronze	2"	5 7/8"	1 5/16" - 2"	B*	1	1
822-F2DSQ	Square 304 stainless	2"	5 7/8"	1 5/16" - 2"	B*	1	1
822-F3DNR	Round nickel bronze	3"	5 1/2"	1" - 2"	B*	1	1
822-F3DSR	Round 304 stainless	3"	5 1/2"	1" - 2"	B*	1	1
822-F3DNQ	Square nickel bronze	3"	5 7/8"	1 5/16" - 2"	B*	1	1
822-F3DSQ	Square 304 stainless	3"	5 7/8"	1 5/16" - 2"	B*	1	1
ACCESSORIES							
832-S3	Shim kit for Finish Line Halo: two shims, two 3/4" screws				B	1	10
863-FA	Round aluminum condensate funnel with screws				B	1	5
863-FN	Round ni-brnz condensate funnel with screws				B	1	5
822-EX3	Ductile iron extension nipple fits under Halo head or Finish Line coring sleeve				B	1	1



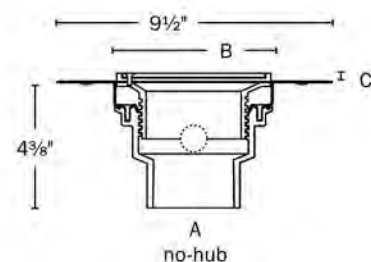
832-S3



822-EX3



863-FA



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



822-3PNR

CLICK FOR SUBMITTAL FOR HALO DRAIN



822-MF3PNR

CLICK FOR SUBMITTAL FOR FINISH LINE HALO

Halo™ Drain

Adjustable Floor Drain with Deck Flange Sch. 40 Hub Connection

- Outlet welds over 2" and inside 3", or over 3" and inside 4"
- Head adjusts up to 3/4" above flush to accommodate most flooring types
- Finish Line™ models are adjustable AFTER the pour
- Installs easily in cored concrete floors or corrugated decks
- Great for loft remodels, second floor utility rooms/laundry rooms, etc.

Options: Add letter after dash in item number. Add prices to list.
M Clamping collar kit

Options: Add letter suffix. Add price to list.
V Vandal-resistant screws
B Complies with Buy American Act¹
E Extended ring¹

¹ Only available for round nickel bronze ring and strainer.



PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
HALO DRAIN								
822-2PNR	822-2ANR	Round nickel bronze	2" x 3"	5 1/2"	0" - 3/4"	B	1	4
822-2PSR	822-2ASR	Round 304 stainless	2" x 3"	5 1/2"	0" - 3/4"	B	1	4
822-2PS	822-2AS	Round 18-ga. stainless	2" x 3"	5 1/2"	0 - 1/2"	B	1	4
822-2PNQ	822-2ANQ	Square nickel bronze	2" x 3"	5 7/8"	5/16" - 3/4"	B	1	4
822-2PSQ	822-2ASQ	Square 304 stainless	2" x 3"	5 7/8"	5/16" - 3/4"	B	1	4
822-3PNR	822-3ANR	Round nickel bronze	3" x 4"	5 1/2"	0 - 3/4"	B	1	4
822-3PSR	822-3ASR	Round 304 stainless	3" x 4"	5 1/2"	0 - 3/4"	B	1	4
822-3PS	822-3AS	Round 18-ga. stainless	3" x 4"	5 1/2"	0 - 1/2"	B	1	4
822-3PNQ	822-3ANQ	Square nickel bronze	3" x 4"	5 7/8"	5/16" - 3/4"	B	1	4
822-3PSQ	822-3ASQ	Square 304 stainless	3" x 4"	5 7/8"	5/16" - 3/4"	B	1	4
FINISH LINE HALO ROUGH-IN DRAIN								
822-2PF	822-2AF	(Coring plug)	2" x 3"	—	1"	B	1	4
822-3PF	822-3AF	(Coring plug)	3" x 4"	—	1"	B	1	4
FINISH LINE HALO FINISH FIXTURE								
832-3HNR	—	Round nickel bronze	—	5 1/2"	1" - 2"	B	1	10
832-3HSR	—	Round 304 stainless	—	5 1/2"	1" - 2"	B	1	1
832-3HNQ	—	Square nickel bronze	—	5 7/8"	1" - 2"	B	1	10
832-3HSQ	—	Square 304 stainless	—	5 7/8"	1" - 2"	B	1	1
FINISH LINE HALO COMPLETE ASSEMBLY								
822-F2PNR	822-F2ANR	Round nickel bronze	2" x 3"	5 1/2"	1" - 2"	B*	1	1
822-F2PSR	822-F2ASR	Round 304 stainless	2" x 3"	5 1/2"	1" - 2"	B*	1	1
822-F2PNQ	822-F2ANQ	Square nickel bronze	2" x 3"	5 7/8"	1 5/16" - 2"	B*	1	1
822-F2PSQ	822-F2ASQ	Square 304 stainless	2" x 3"	5 7/8"	1 5/16" - 2"	B*	1	1
822-F3PNR	822-F3ANR	Round nickel bronze	3" x 4"	5 1/2"	1" - 2"	B*	1	1
822-F3PSR	822-F3ASR	Round 304 stainless	3" x 4"	5 1/2"	1" - 2"	B*	1	1
822-F3PNQ	822-F3ANQ	Square nickel bronze	3" x 4"	5 7/8"	1 5/16" - 2"	B*	1	1
822-F3PSQ	822-F3ASQ	Square 304 stainless	3" x 4"	5 7/8"	1 5/16" - 2"	B*	1	1
ACCESSORIES								
832-S3	Shim kit for Finish Line Halo: two shims, two 3/4" screws					B	1	10
863-FA	Round aluminum condensate funnel with screws					B	1	5
863-FN	Round ni-brnz condensate funnel with screws					B	1	5
822-EX3	Ductile iron extension nipple fits under Halo head or Finish Line coring sleeve					B	1	1
822-TB	Thread bushing for Halo head					B	1	1



ROOF DRAINS

COMMERCIAL DRAINS

LIGHT COMMERCIAL DRAINS

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Cast Iron Roof Drain

Cast Iron No-Hub Connection

- Enamel-coated cast iron body, gravel guard and dome strainer
- Low-profile dome strainer twist-locks into gravel guard



868-1504



868-15WD



868-15EXT



868-15S



868-15U

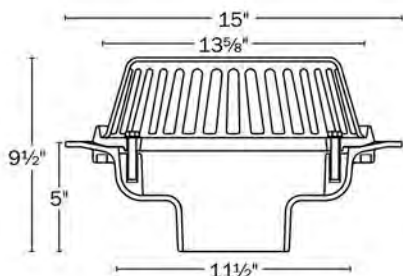


868-15SH

CLICK FOR SUBMITTAL

Options: Add letter suffix. Add price to list.

NEW H	Undermount hardware kit	\$39.50
U	Underdeck clamp kit	\$42.50
S	Sump receiver	\$74.00
E	Adjustable extension assembly kit	\$147.50
W	2" high, external water dam	\$67.50
NEW P	2" high, internal water dam	\$65.00

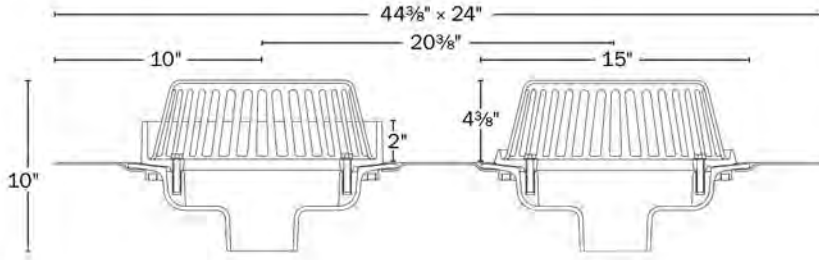


Item No	Description	Pkg	Min Qty	Case Qty
868-1503	3" no-hub cast iron roof drain	B*	1	1
868-1504	4" no-hub cast iron roof drain	B*	1	1
868-1506	6" no-hub cast iron roof drain	B*	1	1
868-1508	8" no-hub cast iron roof drain	B*	1	1
ACCESSORIES				
868-15CD	Cast iron dome strainer	B*	1	1
868-15S	Sump receiver - 16-gauge galvanized steel	B*	1	1
NEW 868-15SH	Undermount hardware kit: 4 pieces angle bracket, thread rod, nuts, washers	B*	1	1
868-15U	Underdeck clamp kit: 4 pieces thread rod, nuts, washers, two clamping bars	B*	1	1
868-15WD	External water dam - 2" high	B*	1	5
868-15EXT	Adjustable extension assembly kit	B*	1	1

Roof Drain & Overflow

Cast Iron No-Hub Connection

- Install drain and overflow fixtures side-by-side, using one sump receiver
- Includes powder-coated sump receiver, roof drain, and overflow fixtures
- Enamel-coated cast iron body, gravel guard and dome strainer



SUPPLY



868-15U

DRAINAGE



868-15SH

SUPPORT



868-15EXT

APPENDIX

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

H	Undermount hardware kit (2 kits)	\$79.00
U	Underdeck clamp kit (2 kits)	\$85.00
E	Adjustable extension assembly kit (2 kits)	\$295.00
P	2" high, internal water dam in lieu of external water dam (1 pc)	\$(N/C)

Item No	Description	Pkg	Min Qty	Case Qty
868-D1503	3" no-hub cast iron roof drain & overflow with sump receiver	B*	1	1
868-D1504	4" no-hub cast iron roof drain & overflow with sump receiver	B*	1	1
868-D1506	6" no-hub cast iron roof drain & overflow with sump receiver	B*	1	1
868-D1508	8" no-hub cast iron roof drain & overflow with sump receiver	B*	1	1
ACCESSORIES				
868-15CD	Cast iron dome strainer	B	1	1
868-15S2	Double sump receiver only - 12 gauge powder-coated steel	B	1	1
868-15SH	Undermount hardware kit: 4 pieces angle bracket, thread rod, nuts, washers	B*	1	1
868-15U	Underdeck clamp kit: 4 pieces angle bracket, thread rod, nuts, washers, two clamping bars	B*	1	1
868-15EXT	Adjustable extension assembly kit	B*	1	1

SUPPLY



868-2010

DRAINAGE



868-20WD

SUPPORT



868-20S

APPENDIX



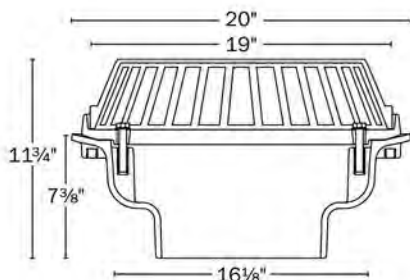
868-20U

[CLICK FOR SUBMITTAL](#)

Large Capacity Cast Iron Roof Drain

Cast Iron No-Hub Connection

- For large capacity applications
- Cast iron dome strainer
- Enamel-coated cast iron body, gravel guard and dome strainer
- Low-profile dome strainer twist-locks into gravel guard



Options: Add letter suffix. Add price to list.

- U** Underdeck clamp kit \$82.50
- S** Sump receiver \$135.00
- W** 2" high, external water dam \$85.00

Item No	Connection	Pkg	Min Qty	Case Qty
868-2010	10" no-hub	B*	1	1
868-2012	12" no-hub	B*	1	1
ACCESSORIES				
868-20CD	Cast iron dome strainer	B*	1	1
868-20WD	External water dam - 2" high	B*	1	1
868-20U	Underdeck clamp kit: 4 pieces thread rod, nuts, washers, two clamping bars	B*	1	1
868-20S	Sump receiver	B*	1	1

868 Series No-Hub Roof Drain

Cast Iron No-Hub Connection

- Polyethylene or cast aluminum strainer
- Polyethylene dome strainer is U.V. resistant
- Cast aluminum dome strainer and gravel guard are epoxy-coated



868-i4M



868-WD



868-S

SUPPLY

DRAINAGE

SUPPORT

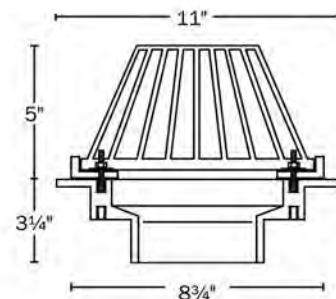
APPENDIX

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws	\$8.00
W External water dam, 2 ³ / ₁₆ "	\$75.00
P Steel micro-screen installed over dome strainer	\$50.00
STP2 2" overflow standpipe installed	\$75.00
U Underdeck clamp kit	\$52.50
S Sump receiver	\$45.00
E Extension collar kit	\$50.00

Item No	Connection	Pkg	Min Qty	Case Qty
POLYETHYLENE DOME STRAINER				
868-i3	3" no-hub	B*	1	2
868-i4	4" no-hub	B*	1	2
868-i6	6" no-hub	B*	1	2
EPOXY-COATED CAST ALUMINUM DOME STRAINER				
868-i3M	3" no-hub	B*	1	2
868-i4M	4" no-hub	B*	1	2
868-i6M	6" no-hub	B*	1	2
ACCESSORIES				
868-MC	Epoxy-coated aluminum replacement gravel guard	B*	1	10
868-WD	Epoxy-coated aluminum external water dam, 2 ³ / ₁₆ "	B*	1	1
868-C	Under deck clamp kit: 11" epoxy-coated clamping plate, thread rod, nuts & washers	B*	1	5
868-E	Extension collar kit: 13" extension collar, thread rod, nuts & washers	B*	1	5
868-S	Sump receiver: 11 ¹ / ₂ " sump receiver plate	B*	1	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



868-P4M



868-WD



868-S

CLICK FOR SUBMITTAL

868 Series Solvent Weld Roof Drain

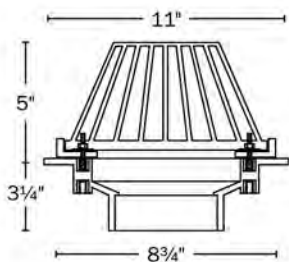
ABS or PVC Solvent Weld Connection

- Polyethylene or cast aluminum dome strainer
- Polyethylene dome strainer is U.V. resistant
- Cast aluminum dome strainer and gravel guard are epoxy-coated
- Brass thread inserts accept collar and clamp screws

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws	\$8.00
W External water dam, 2 ³ / ₁₆ "	\$75.00
P Steel micro-screen installed over dome strainer	\$50.00
STP2 2" overflow standpipe installed	\$75.00
U Underdeck clamp kit	\$52.50
S Sump receiver	\$45.00
E Extension collar kit	\$50.00

PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
POLYETHYLENE DOME STRAINER					
868-P3	868-A3	3" Sch. 40 hub	B*	1	2
868-P4	868-A4	4" Sch. 40 hub	B*	1	2
868-P6	868-A6	6" Sch. 40 hub	B*	1	2
EPOXY-COATED CAST ALUMINUM DOME STRAINER					
868-P3M	868-A3M	3" Sch. 40 hub	B*	1	2
868-P4M	868-A4M	4" Sch. 40 hub	B*	1	2
868-P6M	868-A6M	6" Sch. 40 hub	B*	1	2
ACCESSORIES					
868-MC	—	Epoxy-coated aluminum replacement gravel guard	B*	1	10
868-WD	—	Epoxy-coated aluminum external water dam, 2 ³ / ₁₆ "	B*	1	1
868-C	—	Under deck clamp kit: 11" epoxy-coated clamping plate, thread rod, nuts & washers	B*	1	5
868-E	—	Extension collar kit: 13" extension collar, thread rod, nuts & washers	B*	1	5
868-S	—	Sump receiver: 11 ¹ / ₂ " sump receiver plate	B*	1	10



867 Series Solvent Weld Roof Drain

ABS or PVC Solvent Weld Connection

- Polypropylene (Polypro) or cast iron dome strainer
- ABS or PVC solvent weld connection
- Uses "key and keyhole" alignment system on dome strainer and gravel guard
- Polypro dome strainer and PVC gravel guard are U.V. resistant
- Brass thread inserts accept collar and clamp screws



867-P4



867-C

SUPPLY

DRAINAGE

SUPPORT

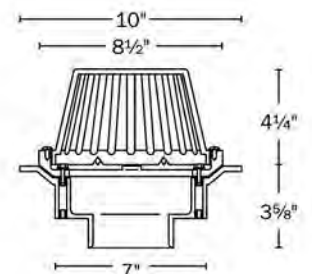
APPENDIX

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$8.00
- P** Steel micro-screen installed over dome strainer \$50.00
- C** Ductile iron gravel guard in place of PVC \$22.50
- STP2** 2" overflow standpipe installed \$50.00
- U** Underdeck clamp kit \$26.50

PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
POLYPROPYLENE DOME STRAINER					
867-P2	867-A2	2" Sch. 40 hub	B*	1	2
867-P3	867-A3	3" Sch. 40 hub	B*	1	2
867-P4	867-A4	4" Sch. 40 hub	B*	1	2
ENAMEL-COATED CAST IRON DOME STRAINER					
867-P2M	867-A2M	2" Sch. 40 hub	B*	1	2
867-P3M	867-A3M	3" Sch. 40 hub	B*	1	2
867-P4M	867-A4M	4" Sch. 40 hub	B*	1	2
ACCESSORIES					
867-C	—	Underdeck clamp kit: four pieces 8" thread rod, four washers, four nuts, two 14" clamping bars	B*	1	25
867-HC	—	PVC replacement gravel guard	B	1	5
867-MC	—	Ductile iron replacement gravel guard	B	1	5
867-UM	—	Stainless steel dome screen	B*	1	1





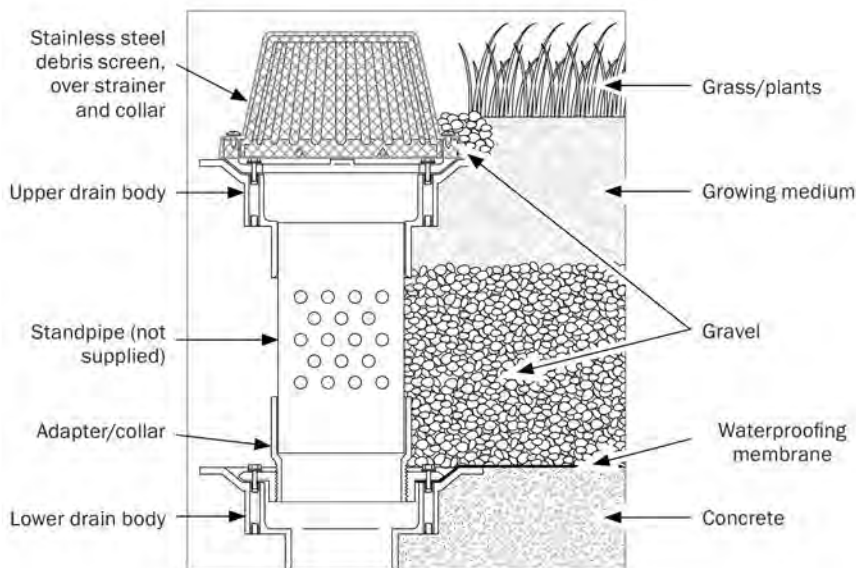
867-L3PP

[CLICK FOR SUBMITTAL](#)

Planter Area Drain

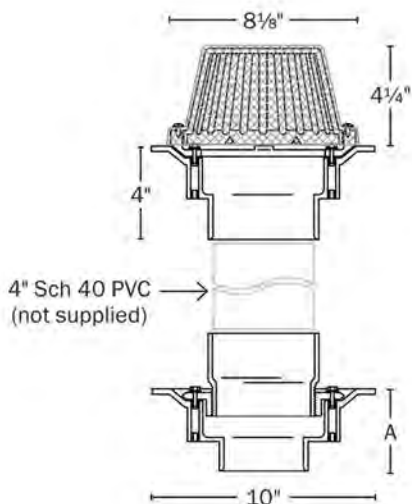
ABS or PVC Solvent Weld Connection

- Perfect for indoor atriums, green roof installations, ground-level plant boxes, etc.
- All corrosion-resistant materials - ABS/PVC, polypro, stainless steel and brass
- Provides an economical, adjustable alternative to heavy cast iron models



TYPICAL INSTALLATION

Fixtures are installed where draining of excess water in planting areas is necessary. A measured length of 4" Sch. 40 PVC is installed between the adapter and the upper drain body. This pipe may be drilled and wrapped with landscape fabric (if desired) for additional secondary drainage. Gravel should be applied around the adapter and collar to protect weep holes and to insure proper secondary drainage.



PVC Item No	ABS Item No	Connection	Dimension A	Pkg	Min Qty	Case Qty
867-L3PP	867-L3AP	3" Sch. 40 hub	3 3/4"	B*	1	1
867-L4PP	867-L4AP	4" Sch. 40 hub	4"	B*	1	1
ACCESSORIES						
867-C	—	Underdeck clamp kit		B*	1	25
867-MD	—	Ductile iron dome strainer		B*	1	5
867-MC	—	Ductile iron collar/gravel guard		B*	1	5



CLEANOUTS

FINISH LINE™

STANDARD ADJUSTABLE CLEANOUTS

HALO™

ACCESS COVERS

WALL CLEANOUTS

CLEANOUT BUSHING

CLEANOUT PLUGS

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Finish Line™ Adjustable Cleanout

Patent #7,735,512

The Finish Line™ allows for adjustment of the cleanout AFTER the pour. Achieve a perfect finish for every cover every time.

Installing the Finish Line



Set Drain



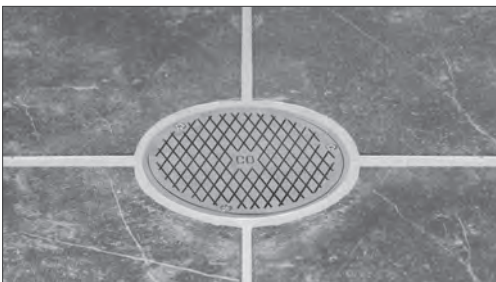
Pour Concrete Flush with Plug



Remove Coring Plug



Install Finish Fixture



A Perfect Finish



Finish Fixture



Coring Plug



Coring Sleeve

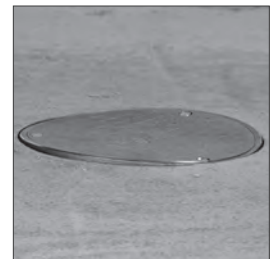


Base Adapter

Eliminate cleanouts set too high or too low.
Stop wrapping threads and boxing out.



Eliminate finish fixture damage by
keeping them off the job during construction.



Finish Line™

Adjustable Cleanout Ductile Iron No-Hub Connection

- Adjustable AFTER the pour
- Ductile iron base adapter with 3½" polypro cleanout plug, ductile iron coring sleeve, head adapter and poly coring plug
- Medium-duty nickel bronze and stainless steel covers
- Ductile iron covers for use in heavy-duty applications

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



834-4DiR



Rough-in Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



832-S4



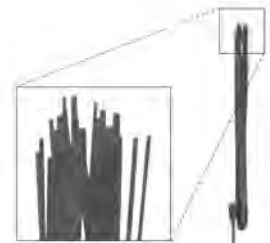
832-EX4

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters ¹
- C** Carpet marker
- B** Brass plug in place of polypro
- Z** Complies with Buy American Act ²

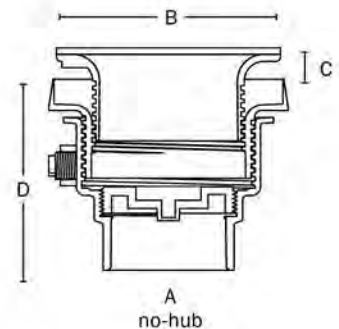
[CLICK FOR SUBMITTAL](#)

¹ Not available on ductile iron covers.
² Only available on cleanouts with round nickel covers.



832-W
Locating bristles

Item No	Ring & Cover	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
NO-HUB ROUGH-IN CLEANOUT								
834-3DF	(Coring plug)	3"	—	—	5¼"-6½"	B*	1	1
834-4DF	(Coring plug)	4"	—	—	5½"-6¾"	B*	1	1
FINISH FIXTURE								
834-4DiR	Round ductile	—	6½"	—	—	B*	1	10
834-4DhNR	Round ni-brnz	—	6½"	—	—	B*	1	10
834-4DhNQ	Square ni-brnz	—	6⅝"	—	—	B*	1	10
834-4DHSR	Round 304 SS	—	6½"	—	—	B*	1	1
834-4DHSQ	Square 304 SS	—	6⅝"	—	—	B*	1	1
NO-HUB COMPLETE ASSEMBLY								
834-3DiR	Round ductile	3"	6½"	0-1¼"	5¼"-6½"	B*	1	1
834-3DNr	Round ni-brnz	3"	6½"	0-1¼"	5¼"-6½"	B*	1	1
834-3DNQ	Square ni-brnz	3"	6⅝"	⅝"-1¼"	5¼"-6½"	B*	1	1
834-3DSR	Round 304 SS	3"	6½"	0-1¼"	5¼"-6½"	B*	1	1
834-3DSQ	Square 304 SS	3"	6⅝"	⅝"-1¼"	5¼"-6½"	B*	1	1
834-4DiR	Round ductile	4"	6½"	0-1¼"	5½"-6¾"	B*	1	1
834-4DNr	Round ni-brnz	4"	6½"	0-1¼"	5½"-6¾"	B*	1	1
834-4DNQ	Square ni-brnz	4"	6⅝"	⅝"-1¼"	5½"-6¾"	B*	1	1
834-4DSR	Round 304 SS	4"	6½"	0-1¼"	5½"-6¾"	B*	1	1
834-4DSQ	Square 304 SS	4"	6⅝"	⅝"-1¼"	5½"-6¾"	B*	1	1
ACCESSORIES								
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-EX4	Ductile iron extension nipple - 2" min - 4" max					B*	1	1
832-W	Flexible red locating bristles with screw					B*	1	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

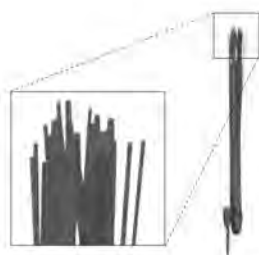


834-6DIR

Finish Line™

Adjustable Cleanout
6" Ductile Iron No-Hub Connection

- Adjustable AFTER the pour
- Ductile iron base adapter with 6" polypro cleanout plug, ductile iron coring sleeve, head adapter and poly coring plug
- Medium-duty nickel bronze and stainless steel covers
- Ductile iron cover for use in heavy-duty applications



832-W
Locating bristles

CLICK FOR SUBMITTAL



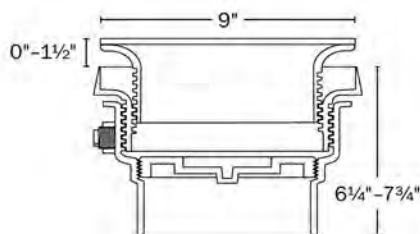
Rough-in Cleanout
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and cover



Complete Assembly
Includes rough-in cleanout and boxed finish fixture



Options: Add letter suffix. Add price to list.
V Vandal-resistant screws
B Brass plug in place of polypro

Item No	Description	Pkg	Min Qty	Case Qty
ROUGH-IN CLEANOUT				
834-6DF	6" no-hub cleanout rough-in fixture	B*	1	1
FINISH FIXTURE				
834-6DHIR	Ductile iron head adapter with ductile iron ring & cover	B*	1	1
834-6DHNR	Ductile iron head adapter with nickel bronze ring & cover	B*	1	1
834-6DHSR	Ductile iron head adapter with 304 stainless ring & cover	B*	1	1
COMPLETE ASSEMBLY				
834-6DIR	6" no-hub cleanout with ductile iron cover	B*	1	1
834-6DNR	6" no-hub cleanout with nickel bronze ring & cover	B*	1	1
834-6DSR	6" no-hub cleanout with 304 stainless ring & cover	B*	1	1
ACCESSORIES				
832-W	Flexible red locating bristles with screw	B*	1	10

Finish Line™

Adjustable Cleanout Ductile Iron Push-Joint Connection

- Adjustable AFTER the pour
- Ductile iron base adapter with 3½" polypro cleanout plug, ductile iron coring sleeve, head Adapter, poly coring plug and neoprene push-joint gasket
- Medium-duty nickel bronze and stainless steel covers
- Ductile iron covers for use in heavy-duty applications



Rough-in Cleanout
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and cover



Complete Assembly
Includes rough-in cleanout and boxed finish fixture

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters ¹
- C** Carpet marker
- B** Brass plug in place of polypro
- Z** Complies with Buy American Act ²
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe

[CLICK FOR SUBMITTAL](#)

¹ Not available on ductile iron covers.
² Only available on cleanouts with round nickel covers.

Item No	Ring & Cover	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
PUSH-JOINT ROUGH-IN CLEANOUT								
834-63DF	(Coring plug)	3"	—	4¾"	5⅝"-6⅞"	B*	1	1
834-64DF	(Coring plug)	4"	—	5"	5⅞"-7⅞"	B*	1	1
FINISH FIXTURE								
834-4DHIR	Round ductile	—	6½"	—	—	B*	1	10
834-4DHNR	Round ni-brnz	—	6½"	—	—	B*	1	10
834-4DHNQ	Square ni-brnz	—	6⅝"	—	—	B*	1	10
834-4DHSR	Round 304 SS	—	6½"	—	—	B*	1	1
834-4DHSQ	Square 304 SS	—	6⅝"	—	—	B*	1	1
PUSH-JOINT COMPLETE ASSEMBLY								
834-63DiR	Round ductile	3"	6½"	0-1¼"	5⅝"-6⅞"	B*	1	1
834-63DNR	Round ni-brnz	3"	6½"	0-1¼"	5⅝"-6⅞"	B*	1	1
834-63DNQ	Square ni-brnz	3"	6⅝"	⅝"-1¼"	5⅝"-6⅞"	B*	1	1
834-63DSR	Round 304 SS	3"	6½"	0-1¼"	5⅝"-6⅞"	B*	1	1
834-63DSQ	Square 304 SS	3"	6⅝"	⅝"-1¼"	5⅝"-6⅞"	B*	1	1
834-64DiR	Round ductile	4"	6½"	0-1¼"	5⅞"-7⅞"	B*	1	1
834-64DNR	Round ni-brnz	4"	6½"	0-1¼"	5⅞"-7⅞"	B*	1	1
834-64DNQ	Square ni-brnz	4"	6⅝"	⅝"-1¼"	5⅞"-7⅞"	B*	1	1
834-64DSR	Round 304 SS	4"	6½"	0-1¼"	5⅞"-7⅞"	B*	1	1
834-64DSQ	Square 304 SS	4"	6⅝"	⅝"-1¼"	5⅞"-7⅞"	B*	1	1
ACCESSORIES								
858-PG4	Push-joint gasket for 4" Sch. 40 pipe					B*	1	1
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-EX4	Ductile iron extension nipple - 2" min - 4" max					B*	1	1
832-W	Flexible red locating bristles with screw					B*	1	10



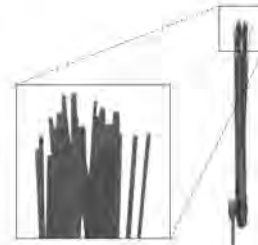
834-63DNQ



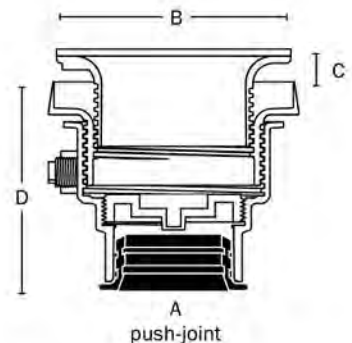
832-S4



832-EX4



832-W
Locating bristles



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



834-3ANR

Finish Line™

Adjustable Cleanout Sch. 40 Hub Connection

- Adjustable AFTER the pour
- ABS/PVC base adapter with 3½" polypro cleanout plug, ABS coring sleeve, head adapter and poly coring plug
- Medium-duty nickel bronze and stainless steel covers
- Tenzalloy covers for pedestrian traffic areas



832-S4



832-EX4



Rough-in Cleanout
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and cover



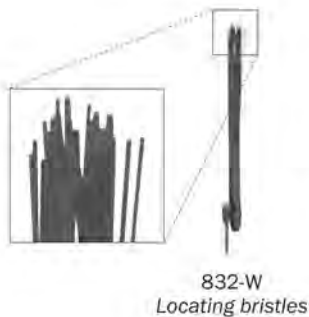
Complete Assembly
Includes rough-in cleanout and boxed finish fixture

CLICK FOR SUBMITTAL

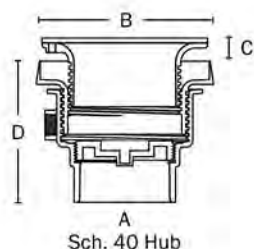
Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters
- C** Carpet marker
- Z** Complies with Buy American Act ¹

¹ Only available on cleanouts with round nickel covers.



832-W
Locating bristles



PVC Item No	ABS Item No	Ring & Cover	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
ROUGH-IN CLEANOUT									
834-3PF	834-3AF	(Coring plug)	3" x 4"	—	—	5¼"-6½"	B*	1	10
834-4PF	834-4AF	(Coring plug)	4"	—	—	5½"-6¾"	B*	1	10
FINISH FIXTURE									
834-4HNR	—	Round ni-brnz	—	6½"	—	—	B*	1	10
834-4HNQ	—	Square ni-brnz	—	6⅝"	—	—	B*	1	10
834-4HTR	—	Round tenz	—	6½"	—	—	B*	1	1
834-4HSR	—	Round 304 SS	—	6½"	—	—	B*	1	1
834-4HSQ	—	Square 304 SS	—	6⅝"	—	—	B*	1	1
COMPLETE ASSEMBLY									
834-3PNR	834-3ANR	Round ni-brnz	3" x 4"	6½"	0-1¼"	5¼"-6½"	B*	1	1
834-3PNQ	834-3ANQ	Square ni-brnz	3" x 4"	6⅝"	⅝"-1¼"	5¼"-6½"	B*	1	1
834-3PSR	834-3ASR	Round 304 SS	3" x 4"	6½"	0-1¼"	5¼"-6½"	B*	1	1
834-3PSQ	834-3ASQ	Square 304 SS	3" x 4"	6⅝"	⅝"-1¼"	5¼"-6½"	B*	1	1
834-3PTR	834-3ATR	Round tenz	3" x 4"	6½"	0-1¼"	5¼"-6½"	B*	1	1
834-4PNR	834-4ANR	Round ni-brnz	4"	6½"	0-1¼"	5½"-6¾"	B*	1	1
834-4PNQ	834-4ANQ	Square ni-brnz	4"	6⅝"	⅝"-1¼"	5½"-6¾"	B*	1	1
834-4PSR	834-4ASR	Round 304 SS	4"	6½"	0-1¼"	5½"-6¾"	B*	1	1
834-4PSQ	834-4ASQ	Square 304 SS	4"	6⅝"	⅝"-1¼"	5½"-6¾"	B*	1	1
834-4PTR	834-4ATR	Round tenz	4"	6½"	0-1¼"	5½"-6¾"	B*	1	1
ACCESSORIES									
832-S4	—	Two adjustment shims, two ¾" screws					B*	1	10
832-EX4	—	Ductile iron extension nipple - 2" min - 4" max					B*	1	1
832-W	—	Flexible red locating bristles with screw					B*	1	10

Finish Line™

Adjustable Cleanout Stainless Steel No-Hub Connection

- Adjustable AFTER the pour
- 304 stainless steel base adapter with 3½" polypro cleanout plug, stainless steel coring sleeve, head adapter and poly coring plug
- Stainless steel material is suitable for use in commercial/restaurant kitchens, health care facilities or food processing plants
- Other typical applications include breweries, chemical/textile plants, dairies or laboratories
- Medium-duty stainless steel covers



834-4SSR



Rough-in Cleanout
Base adapter, coring sleeve and coring plug



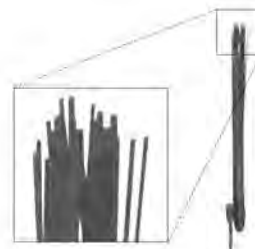
Finish Fixture
Head adapter, ring and cover



Complete Assembly
Includes rough-in cleanout and boxed finish fixture



832-S4



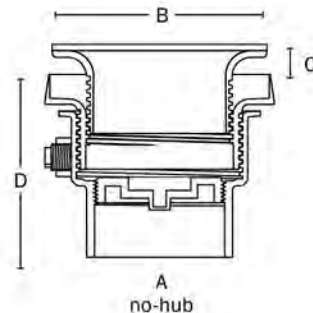
832-W
Locating bristles

[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

Item No	Ring & Cover	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ROUGH-IN CLEANOUT								
834-3SF	(Coring plug)	3"	—	—	5¼"–6½"	B*	1	1
834-4SF	(Coring plug)	4"	—	—	5½"–6¾"	B*	1	1
FINISH FIXTURE								
834-4SHSR	Round 304 SS	—	6½"	—	—	B*	1	1
834-4SHSQ	Square 304 SS	—	6⅝"	—	—	B*	1	1
COMPLETE ASSEMBLY								
834-3SSR	Round 304 SS	3"	6½"	0–1¼"	5¼"–6½"	B*	1	1
834-3SSQ	Square 304 SS	3"	6⅝"	⅝"–1¼"	5¼"–6½"	B*	1	1
834-4SSR	Round 304 SS	4"	6½"	0–1¼"	5½"–6¾"	B*	1	1
834-4SSQ	Square 304 SS	4"	6⅝"	⅝"–1¼"	5½"–6¾"	B*	1	1
ACCESSORIES								
832-S4	Two adjustment shims, two ¾" screws					B*	1	10
832-W	Flexible red locating bristles with screw					B*	1	10



SUPPLY

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Adjustable Cleanout Solvent Weld Connection

Nickel Bronze, Stainless Steel or Ductile Iron
Ring and Cover

- Includes 3½" polypro cleanout plug situated in base adapter
- Nickel bronze, stainless steel and tenzallo covers for use in pedestrian areas
- Ductile iron covers for use in heavy-duty applications



852-4PNR



852-4PNQ



852-4Pi

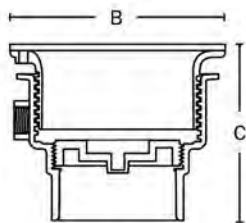
Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping; specify letters ¹
- C** Carpet marker
- Z** Complies with Buy American Act ²
- Y** Ductile iron head adapter in place of ABS

¹ Not available on ductile iron covers.

² Only available on cleanouts with round nickel covers.

[CLICK FOR SUBMITTAL](#)



A
Sch. 40 hub

PVC Item No	ABS Item No	Ring & Cover	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
ROUND PATTERN RING AND COVER								
852-3PNR	852-3ANR	Ni-brnz	3" hub	6½"	5⅝"-6¼"	B*	1	5
852-4PNR	852-4ANR	Ni-brnz	4" hub	6½"	5⅝"-6½"	B*	1	10
852-3PSR	852-3ASR	304 SS	3" hub	6½"	5⅝"-6¼"	B*	1	5
852-4PSR	852-4ASR	304 SS	4" hub	6½"	5⅝"-6½"	B*	1	10
852-3Pi	852-3Ai	Iron	3" hub	6½"	5⅝"-6¼"	B*	1	2
852-4Pi	852-4Ai	Iron	4" hub	6½"	5⅝"-6½"	B*	1	2
852-3PTR	852-3ATR	Tenz	3" hub	6½"	5⅝"-6¼"	B*	1	5
852-4PTR	852-4ATR	Tenz	4" hub	6½"	5⅝"-6½"	B*	1	10
SQUARE PATTERN RING AND COVER								
852-3PNQ	852-3ANQ	Ni-brnz	3" hub	6⅝"	5⅝"-6¼"	B*	1	2
852-4PNQ	852-4ANQ	Ni-brnz	4" hub	6⅝"	5⅝"-6½"	B*	1	2
852-3PSQ	852-3ASQ	304 SS	3" hub	6⅝"	5⅝"-6¼"	B*	1	2
852-4PSQ	852-4ASQ	304 SS	4" hub	6⅝"	5⅝"-6½"	B*	1	2

Adjustable Cleanout ABS MIP Thread

Nickel Bronze, Stainless Steel or Cast Iron
Ring and Cover

- Nickel bronze, stainless steel, tenzalloy and ABS covers for use in pedestrian areas
- Cast iron covers for use in heavy-duty applications
- Slotted polypro cleanout plug included

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping; specify letters ¹

¹ Not available on cast iron covers.

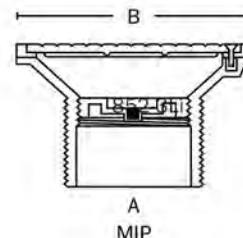
Item No	Ring & Cover	Dimensions			Pkg	Min Qty	Case Qty
		A	B	Plug			
ROUND PATTERN RING & COVER							
852-2LNR	Ni-brnz	2" MIP	4½"	1½"	B*	1	10
852-3LNR	Ni-brnz	3" MIP	5½"	2½"	B*	1	10
852-4LNR	Ni-brnz	4" MIP	6½"	3½"	B*	1	10
852-4LNRPK	Ni-brnz	4" MIP	6½"	3½"	C*	5	5
852-3LSR	304 SS	3" MIP	5½"	2½"	B*	1	10
852-4LSR	304 SS	4" MIP	6½"	3½"	B*	1	10
852-3Li	Iron	3" MIP	6⅝"	2½"	B*	1	2
852-4Li	Iron	4" MIP	6⅝"	3½"	B*	1	2
852-3LTR	Tenz	3" MIP	5½"	2½"	B*	1	10
852-4LTR	Tenz	4" MIP	6½"	3½"	B*	1	10
852-3LP	ABS	3" MIP	5½"	2½"	B*	1	10
852-4LP	ABS	4" MIP	6½"	3½"	B*	1	10
SQUARE PATTERN RING & COVER							
852-3LNQ	Ni-brnz	3" MIP	5⅝"	2½"	B*	1	5
852-4LNQ	Ni-brnz	4" MIP	7"	3½"	B*	1	1
852-3LSQ	304 SS	3" MIP	5⅝"	2½"	B*	1	5
852-4LSQ	304 SS	4" MIP	7"	3½"	B*	1	1



852-3LNQ



852-3Li



Adjustable Cleanout Cast Iron MIP Thread

Nickel Bronze or Cast Iron Ring and Cover

- Nickel bronze covers for use in pedestrian areas
- Cast iron covers for use in heavy-duty applications
- Slotted polypro cleanout plug included

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Options: Add letter suffix. Add price to list.

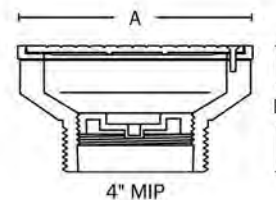
- V** Vandal-resistant screws
- S** Stamping; specify letters ¹

¹ Not available on cast iron covers.

Item No	Dimensions		Pkg	Min Qty	Case Qty
	A	B			
ROUND NICKEL BRONZE RING AND COVER					
852-4iLNR	6½"	2⅝"	B*	1	2
SQUARE NICKEL BRONZE RING AND COVER					
852-4iLNQ	7"	2⅝"	B*	1	2
CAST IRON RING AND COVER					
852-4iLi	6⅝"	3⅝"	B*	1	2



852-4iLNR



SUPPLY

DRAINAGE

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Halo™ Cleanout

Adjustable Cleanout with Deck Flange
Ductile Iron No-Hub Connection

- 3" no-hub connection
- Head adjusts up to 3/4" above flush to accommodate most flooring types
- Finish Line™ models are adjustable AFTER the pour
- Stainless steel deck flange and T-cone style cleanout plug
- Installs easily in cored concrete floors or corrugated decks



822-C3DSR

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822-CF3DNQ

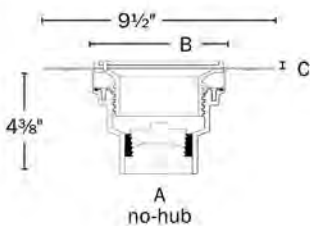
CLICK FOR SUBMITTAL



832-S3



822-EX3



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters
- C** Carpet marker
- Z** Complies with Buy American Act ¹

¹ Only available for round nickel bronze ring and strainer.

Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
HALO CLEANOUT							
822-C3DNR	Round nickel bronze	3"	5 1/2"	0" - 3/4"	B*	1	4
822-C3DSR	Round 304 stainless	3"	5 1/2"	0" - 3/4"	B*	1	4
822-C3DNQ	Square nickel bronze	3"	5 7/8"	5/16" - 3/4"	B*	1	4
822-C3DSQ	Square 304 stainless	3"	5 7/8"	5/16" - 3/4"	B*	1	4
FINISH LINE HALO ROUGH-IN CLEANOUT							
822-C3DF	(Coring plug)	3"	8 1/4"	1"	B*	1	1
FINISH LINE HALO FINISH FIXTURE							
834-3DHR	Round nickel bronze	—	5 1/2"	—	B*	1	1
834-3DHSR	Round 304 stainless	—	5 1/2"	—	B*	1	1
834-3DHNQ	Square nickel bronze	—	5 7/8"	—	B*	1	1
834-3DHSQ	Square 304 stainless	—	5 7/8"	—	B*	1	1
FINISH LINE HALO COMPLETE ASSEMBLY							
822-CF3DNR	Round nickel bronze	3"	5 1/2"	1" - 2"	B*	1	1
822-CF3DSR	Round 304 stainless	3"	5 1/2"	1" - 2"	B*	1	1
822-CF3DNQ	Square nickel bronze	3"	5 7/8"	1 5/16" - 2"	B*	1	1
822-CF3DSQ	Square 304 stainless	3"	5 7/8"	1 5/16" - 2"	B*	1	1
ACCESSORIES							
832-S3	Shim kit for Finish Line Halo: two shims, two 3/4" screws				B*	1	10
822-EX3	Ductile iron extension nipple fits under Halo head or Finish Line coring sleeve				B*	1	1
832-W	Flexible red locating bristles with screw				B	1	10

Halo™ Cleanout

Adjustable Cleanout with Deck Flange
Sch. 40 Connection

- 3" hub or inside 4" connections available
- Head adjusts up to 3/4" above flush to accommodate most flooring types
- Finish Line™ models are adjustable AFTER the pour
- Stainless steel deck flange and T-cone style cleanout plug
- Installs easily in cored concrete floors or corrugated decks

Halo Cleanout



822-C3PNQ

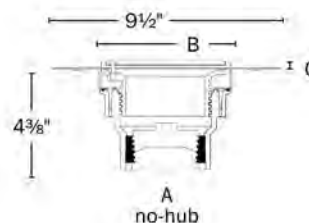
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Finish Line Halo



822-CF3PSR

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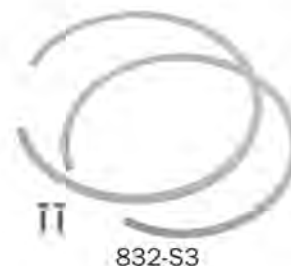


Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters
- C** Carpet marker
- Z** Complies with Buy American Act¹

¹ Only available for round nickel bronze ring and strainer.

PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
HALO CLEANOUT								
822-C3PNR	822-C3ANR	Round nickel bronze	3" hub	5 1/2"	0" - 3/4"	B*	1	1
822-C3PSR	822-C3ASR	Round 304 stainless	3" hub	5 1/2"	0" - 3/4"	B*	1	4
822-C3PNQ	822-C3ANQ	Square nickel bronze	3" hub	5 7/8"	5/16" - 3/4"	B*	1	1
822-C3PSQ	822-C3ASQ	Square 304 stainless	3" hub	5 7/8"	5/16" - 3/4"	B*	1	4
822-C4PNR	822-C4ANR	Round nickel bronze	inside 4"	5 1/2"	0" - 3/4"	B*	1	1
822-C4PSR	822-C4ASR	Round 304 stainless	inside 4"	5 1/2"	0" - 3/4"	B*	1	4
822-C4PNQ	822-C4ANQ	Square nickel bronze	inside 4"	5 7/8"	5/16" - 3/4"	B*	1	4
822-C4PSQ	822-C4ASQ	Square 304 stainless	inside 4"	5 7/8"	5/16" - 3/4"	B*	1	4
FINISH LINE HALO ROUGH-IN CLEANOUT								
822-C3PF	822-C3AF	(Coring plug)	3" hub	8 1/4"	1"	B*	1	4
822-C4PF	822-C4AF	(Coring plug)	inside 4"	8 1/4"	1"	B*	1	4
FINISH LINE HALO FINISH FIXTURE								
	834-3HNR	Round nickel bronze	-	5 1/2"	-	B*	1	1
	834-3HSR	Round 304 stainless	-	5 1/2"	-	B*	1	1
	834-3HNQ	Square nickel bronze	-	5 7/8"	-	B*	1	1
	834-3HSQ	Square 304 stainless	-	5 7/8"	-	B*	1	1
FINISH LINE HALO COMPLETE ASSEMBLY								
822-CF3PNR	822-CF3ANR	Round nickel bronze	3" hub	5 1/2"	1" - 2"	B*	1	1
822-CF3PSR	822-CF3ASR	Round 304 stainless	3" hub	5 1/2"	1" - 2"	B*	1	1
822-CF3PNQ	822-CF3ANQ	Square nickel bronze	3" hub	5 7/8"	1 5/16" - 2"	B*	1	1
822-CF3PSQ	822-CF3ASQ	Square 304 stainless	3" hub	5 7/8"	1 5/16" - 2"	B*	1	1
822-CF4PNR	822-CF4ANR	Round nickel bronze	inside 4"	5 1/2"	1" - 2"	B*	1	1
822-CF4PSR	822-CF4ASR	Round 304 stainless	inside 4"	5 1/2"	1" - 2"	B*	1	1
822-CF4PNQ	822-CF4ANQ	Square nickel bronze	inside 4"	5 7/8"	1 5/16" - 2"	B*	1	1
822-CF4PSQ	822-CF4ASQ	Square 304 stainless	inside 4"	5 7/8"	1 5/16" - 2"	B*	1	1
ACCESSORIES								
832-S3	-	Shim kit for Finish Line Halo: two shims, two 3/4" screws				B*	1	10
822-EX3	-	Ductile iron extension nipple fits under Halo head or Finish Line coring sleeve				B*	1	1
832-W	-	Flexible red locating bristles with screw				B	1	10



832-S3



822-EX3

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Adjustable Cleanout Solvent Weld Connection

Nickel Bronze, Cast Iron or Tenzalloy Cover

- Polypro plug included with threaded brass insert for cover screw
- Over 1½" of vertical adjustment available
- Nickel bronze and tenzalloy covers for use in pedestrian traffic areas
- Cast iron covers for use in heavy-duty applications, also available with nickel bronze veneer



851-44N



851-44i

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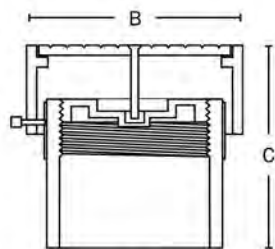
Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

S Stamping: specify letters ¹

C Carpet marker ¹

¹ Not available on cast iron covers.



A
Sch. 40 hub

PVC Item No	ABS Item No	Dimensions			Plug	Pkg	Min Qty	Case Qty
		A	B	C				
NICKEL BRONZE COVER								
851-43N	851-33N	3"	4¾"	3½"-4½"	3"	B*	1	2
851-44N	851-34N	4"	6"	3¾"-4¾"	4"	B*	1	2
851-46N	851-36N	6"	8¾"	5½"-6¾"	6"	B*	1	2
TENZALLOY COVER								
851-43T	851-33T	3"	4¾"	3½"-4½"	3"	B*	1	2
851-44T	851-34T	4"	6"	3¾"-4¾"	4"	B*	1	2
851-46T	851-36T	6"	8¾"	5½"-6¾"	6"	B*	1	2
CAST IRON COVER								
851-44i	851-34i	4"	6"	4½"-6¼"	4"	B*	1	2
851-46i	851-36i	6"	8½"	6"-7¾"	6"	B*	1	2
NICKEL BRONZE LAMINATED CAST IRON COVER								
851-44iN	851-34iN	4"	6"	4¾"-6½"	4"	B*	1	2
851-46iN	851-36iN	6"	8½"	6¼"-8"	6"	B*	1	2

Adjustable Cleanout Cast Iron No-Hub Connection

Nickel bronze, Cast Iron or Tenzalloy Cover

- Polypro plug included with threaded brass insert for cover screw
- Over 1½" of vertical adjustment available
- Nickel bronze and tenzalloy covers for use in pedestrian traffic areas
- Cast iron covers for use in heavy-duty applications and also available with nickel bronze veneer

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters ¹
- C** Carpet marker ¹

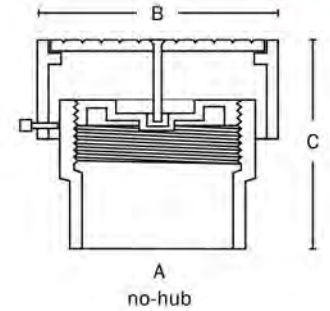
¹ Not available on cast iron covers.

Item No	Dimensions			Plug	Pkg	Min Qty	Case Qty
	A	B	C				
NICKEL BRONZE COVER							
851-24N	4"	6"	3¼"-4½"	4"	B*	1	2
TENZALLOY COVER							
851-24T	4"	6"	3¼"-4½"	4"	B*	1	2
CAST IRON COVER							
851-24i	4"	6"	3¾"-5¾"	4"	B*	1	2
NICKEL BRONZE LAMINATED CAST IRON COVER							
851-24iN	4"	7½"	4"-6"	4"	B*	1	2

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851-24i



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Adjustable Cleanout Cast Iron Push-Joint Connection

Nickel Bronze, Cast Iron or Tenzalloy Cover

- Polypro plug included with threaded brass insert for cover screw
- Over 1½" of vertical adjustment available
- Nickel bronze and tenzalloy covers for use in pedestrian traffic areas. Cast iron covers for use in heavy-duty applications. Also available with nickel bronze veneer

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws
- S** Stamping: specify letters ¹
- C** Carpet marker ¹
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ²

¹ Not available on cast iron covers.

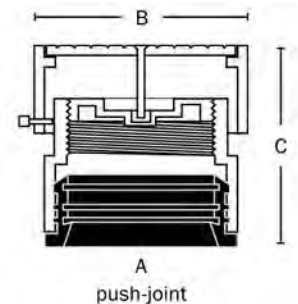
² Only available for 4" cleanouts.

Item No	Dimensions			Plug	Pkg	Min Qty	Case Qty
	A	B	C				
NICKEL BRONZE COVER							
851-64N	4"	6"	4"-5¼"	4"	B*	1	2
851-66N	6"	8¾"	4¾"-6"	6"	B*	1	2
TENZALLOY COVER							
851-64T	4"	6"	4"-5¼"	4"	B*	1	2
851-66T	6"	8¾"	4¾"-6"	6"	B*	1	2
CAST IRON COVER							
851-64i	4"	6"	5¼"-6½"	4"	B*	1	2
851-66i	6"	8¾"	4¾"-6"	6"	B*	1	2

CLICK FOR SUBMITTAL



851-64N



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



850-4N

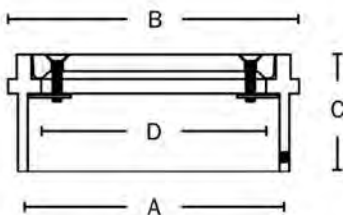


850-4i



850-234N

CLICK FOR SUBMITTAL



Adjustable Access Cover Set Screw Connection

Nickel Bronze, Cast Iron or Tenzalloy Cover

- Set screw allows up to 1½" of vertical adjustment over pipe or fitting
- 850-234N model fits over 2", 3" or 4" pipe and 2" or 3" FIP adapters
- Nickel bronze and tenzalloy covers for use in pedestrian traffic areas
- Cast iron covers for use in heavy-duty applications and also available with nickel bronze veneer

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws

S Stamping: specify letters ¹

¹ Not available on cast iron covers.

Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
NICKEL BRONZE COVER							
850-2N	5½"	6½"	2¾"	5¼"	B*	1	6
850-3N	6⅝"	7⅞"	2¾"	5¾"	B*	1	6
850-4N	8⅝"	9⅞"	2¾"	7¼"	B*	1	6
850-234N	5½"	5½"	2 ¹³ / ₁₆ "	4"	B*	1	10
TENZALLOY COVER							
850-2T	5⅝"	6½"	2¾"	5 ⁵ / ₁₆ "	B*	1	6
850-3T	6⅝"	7⅞"	2¾"	5 ⁹ / ₁₆ "	B*	1	6
850-4T	8⅝"	9⅞"	2¾"	7¼"	B*	1	6
CAST IRON COVER							
850-2i	5½"	6"	3"	4½"	B*	1	6
850-3i	6⅝"	7⅞"	3"	5⅝"	B*	1	4
850-4i	8"	8½"	3"	7⅞"	B*	1	2
NICKEL BRONZE LAMINATED CAST IRON COVER							
850-2iN	5½"	6"	3¼"	4½"	B*	1	6
850-3iN	6⅝"	7⅞"	3¼"	5⅝"	B*	1	4
850-4iN	8"	8½"	3¼"	7⅞"	B*	1	2

Cleanout Cover

- Flat and raised ABS models in chrome-plated, white or ivory finishes
- Stainless steel models in standard 20 gauge or stronger 16 gauge

Options: Add letter suffix. Add price to list.

S Stamping: specify letters ¹ \$5.00

¹ Not available on ABS covers.

Item No	Diameter	Height	Material	Pkg	Min Qty	Case Qty
FLAT CLEANOUT COVER						
871-4	4½"	—	White ABS	B*	25	25
871-6	6½"	—	White ABS	B*	25	25
871-8	8½"	—	White ABS	B*	1	10
872-4	4½"	—	Chrome-plated ABS	B*	25	25
872-6	7¼"	—	Chrome-plated ABS	B*	25	25
872-8	8½"	—	Chrome-plated ABS	B*	1	10
870-93	3"	—	16 gauge stainless steel	B*	1	10
870-94	4"	—	16 gauge stainless steel	B*	1	10
870-95	5"	—	16 gauge stainless steel	B*	1	10
870-96	6"	—	16 gauge stainless steel	B*	1	10
870-98	8"	—	16 gauge stainless steel	B*	1	10
870-3	3"	—	20 gauge stainless steel	B*	25	25
870-4	4"	—	20 gauge stainless steel	B*	25	25
870-5	5"	—	20 gauge stainless steel	B*	25	25
870-6	6"	—	20 gauge stainless steel	B*	25	25
870-8	8"	—	20 gauge stainless steel	B*	10	10
870-810	10"	—	20 gauge stainless steel	B*	5	5
870-812	12"	—	20 gauge stainless steel	B*	5	5
RAISED CLEANOUT COVER						
871-16	7¼"	1¼"	White ABS	B*	25	25
871-18	9¼"	1¼"	Ivory ABS	B*	1	10
872-16	7¼"	1¼"	Chrome-plated ABS	B*	25	25
872-18	9¼"	1¼"	Chrome-plated ABS	B*	1	10



870-96



871-16

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Cleanout Cover Accessories

¼" × 20 Threaded Wall Bar

Carpet Marker for Cleanouts

¼" × 20 Cleanout Cover Screw

Item No	Description	Pkg	Min Qty	Case Qty
THREADED WALL BAR				
870-B	¼" × 20 threaded wall bar, 9" length	B	25	100
CARPET MARKER				
870-2CM	Stainless steel carpet marker with 1½" screw	B*	25	25
CLEANOUT COVER SCREW				
874-1	¼" × 20 stainless steel screw, 1½" length	B	25	1000
874-2	¼" × 20 stainless steel screw, 2¼" length	B	25	1000
874-4	¼" × 20 stainless steel screw, 4" length	B	25	500
874-6	¼" × 20 stainless steel screw, 6" length	B	25	1000
874-1C	¼" × 20 chrome-plated screw, 1½" length	B	25	1000
874-3C	¼" × 20 chrome-plated screw, 3" length	B	25	500
874-4C	¼" × 20 chrome-plated screw, 4½" length	B	25	500
874-6C	¼" × 20 chrome-plated screw, 6" length	B	25	100
874-1W	¼" × 20 white epoxy-coated screw, 1½" length	B	25	100
874-3W	¼" × 20 white epoxy-coated screw, 3" length	B	25	1000
874-4W	¼" × 20 white epoxy-coated screw, 4½" length	B	25	100
874-6W	¼" × 20 white epoxy-coated screw, 6" length	B	25	100



870-B



874-6



870-2CM



870-B3



873-240

Cleanout Cover Kit

20 Gauge Stainless Steel

- Available with 9" wall bar, slotted polypro or countersunk brass plug

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws ¹ \$5.00

¹ Available for 873 Series only

Item No	Cover Diameter	Screw Length	Plug Size	Pkg	Min Qty	Case Qty
COVER, SCREW AND COUNTERSUNK BRASS PLUG						
873-240	4"	2½"	2" IPS	B*	1	10
873-350	5"	2½"	3" IPS	B*	1	10
873-460	6"	2½"	4" IPS	B*	1	10
COVER, SCREW AND SLOTTED POLYPRO PLUG						
873-240P	4"	2½"	2" IPS	B*	1	10
873-350P	5"	2½"	3" IPS	B*	1	10
873-460P	6"	2½"	4" IPS	B*	1	10
COVER, SCREW AND 9" BAR						
870-B3	3"	6"	—	B*	1	10
870-B4	4"	6"	—	B*	1	10
870-B5	5"	6"	—	B*	1	10
870-B6	6"	6"	—	B*	1	10
870-B6PK1	6"	6"	—	B*	10	10
870-B8	8"	6"	—	B*	1	10
COVER AND SCREW						
870-3PK1	3"	4"	—	C*	10	10
870-4PK1	4"	4"	—	C*	10	10
870-6PK1	6"	4"	—	C*	10	10

Cleanout Bushing

- Bushing fits inside Sch. 40 pipe
- Cleanout bushing kits include:
 - Bushing
 - 16 gauge stainless steel cleanout cover
 - ¾" stainless steel screw

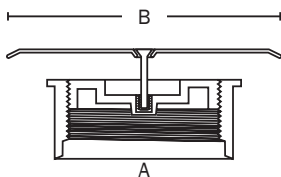


875-4P



875-8230P

Slotted polypro plugs have threaded brass inserts



Sch. 40 inside fit

White ABS Item No	Black ABS Item No	Plug Size	Dimensions		Pkg	Min Qty	Case Qty
			A	B			
CLEANOUT BUSHING							
875-2P	875-2A	1½"	2"	—	B*	20	20
875-3P	875-3A	2½"	3"	—	B*	20	20
875-4P	875-4A	3½"	4"	—	B*	20	20
CLEANOUT BUSHING KIT							
875-8230P	—	1½"	2"	3"	B*	1	10
875-8340P	—	2½"	3"	4"	B*	1	10
875-8450P	—	3½"	4"	5"	B*	1	10

Slotted Polypro Flush Plug

- With or without threaded brass insert
- Combine with FIP adapters to make your own cleanouts
- Plugs are durable, glass-filled polypropylene:
 - Will not seize or weld in ABS or PVC fittings
 - Acid resistant and chemically inert
 - More durable than traditional ABS or PVC plugs



878-40



Available with threaded brass insert for cleanout covers.

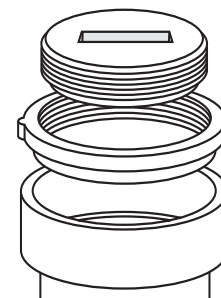
SUPPLY

DRAINAGE

SUPPORT

APPENDIX

White Polypro Item No	Black Polypro Item No	Plug Size	Pkg	Min Qty	Case Qty
PLUGS WITH THREADED BRASS INSERT					
878-15	879-15	1½"	B	25	25
878-20	879-20	2"	B	25	25
878-25	879-25	2½"	B	25	25
878-30	879-30	3"	B	25	25
878-35	879-35	3½"	B	25	25
878-40	879-40	4"	B	25	25
878-50	879-50	5"	B	20	20
878-60	879-60	6"	B	8	8
878-15PK	879-15PK	1½"	C*	25	25
878-20PK	879-20PK	2"	C*	25	25
878-25PK	879-25PK	2½"	C*	25	25
878-30PK	879-30PK	3"	C*	25	25
878-35PK	879-35PK	3½"	C*	25	25
878-40PK	879-40PK	4"	C*	25	25
PLUGS WITHOUT THREADED BRASS INSERT					
878-015	879-015	1½"	B	25	25
878-020	879-020	2"	B	25	25
878-025	879-025	2½"	B	25	25
878-030	879-030	3"	B	25	25
878-035	879-035	3½"	B	25	25
878-040	879-040	4"	B	25	25
878-015PK	879-015PK	1½"	C*	25	25
878-020PK	879-020PK	2"	C*	25	25
878-025PK	879-025PK	2½"	C*	25	25
878-030PK	879-030PK	3"	C*	25	25
878-035PK	879-035PK	3½"	C*	25	25
878-040PK	879-040PK	4"	C*	25	25



flush pipe plug

842-9 series fitting socket ring

Sch. 40 hub

2" - 4" plugs can be used with our 842-9 series fitting socket rings for an inexpensive threaded access hole cover.

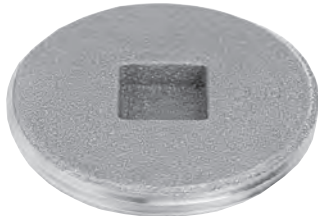
Brass Flush Plug



877-930



876-30



877-30

Options: Add letter suffix. Add price to list.

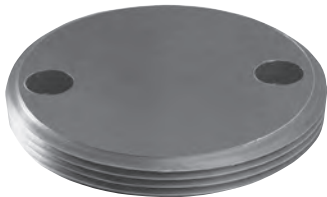
D Drilled & Tapped ¼" × 20 \$12.00

Item No	Plug Size	Pkg	Min Qty	Case Qty
SLOTTED STYLE				
877-915	1½"	B	1	20
877-920	2"	B	1	20
877-930	3"	B	1	20
877-935	3½"	B	1	20
877-940	4"	B	1	10
877-950	5"	B	1	10
877-960	6"	B	1	4
RAISED SQUARE HEAD				
876-15	1½"	B	20	20
876-20	2"	B	20	20
876-25	2½"	B	20	20
876-30	3"	B	20	20
876-35	3½"	B	20	20
876-40	4"	B	20	20
876-50	5"	B	1	10
876-60	6"	B	1	4
876-10PK	1¼"	C*	10	10
876-15PK	1½"	C*	10	10
876-20PK	2"	C*	10	10
876-25PK	2½"	C*	10	10
876-30PK	3"	C*	10	10
876-35PK	3½"	C*	10	10
876-40PK	4"	C*	10	10
876-60PK	6"	C*	10	10
COUNTERSUNK SQUARE HEAD				
877-20	2"	B	1	20
877-25	2½"	B	1	20
877-30	3"	B	1	20
877-35	3½"	B	1	20
877-40	4"	B	1	20
877-60	6"	B	1	20
877-20PK	2"	C*	10	10
877-30PK	3"	C*	10	10
877-35PK	3½"	C*	10	10
877-40PK	4"	C*	10	10

NEW

PVC Flush Plug—Spanner

• Solid PVC material – machined threads



878-940

Options: Add letter suffix. Add price to list.

D Drilled & Tapped ¼" × 20 \$12.00

Item No	Plug Size	Pkg	Min Qty	Case Qty
878-915	1½"	B	10	20
878-920	2"	B	10	10
878-925	2½"	B	10	20
878-930	3"	B	10	10
878-935	3½"	B	10	20
878-940	4"	B	10	10
878-950	5"	B	10	10
878-960	6"	B	10	10
878-980	8"	B	10	10



COMMERCIAL ACCESSORIES

COMMERCIAL DRAIN ADAPTERS

REPLACEMENT STRAINERS

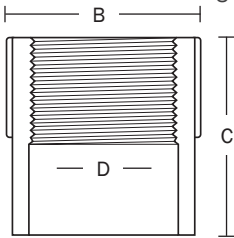
REPLACEMENT COVERS

MISCELLANEOUS

SUPPLY



842-72P



A
Sch. 40 hub

Standard Adapter

FIP Thread × Sch. 40 Hub Connection

- Combine these adapters with any of our 842-_L_ drains or 852-_L_ cleanout tops

DRAINAGE

SUPPORT

PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
NEW 842-712P	842-712A	1½" × 2	2⅝"	2⅜"	2" FIP	B	10	10
842-72P	842-72A	2"	2¾"	2½"	2" FIP	B*	5	5
842-73P	842-73A	3"	4"	3⅜"	3" FIP	B*	5	5
842-74P	842-74A	4"	5"	3⅜"	4" FIP	B*	10	10
842-76P	842-76A	6"	6½"	5⅝"	6" FIP	B*	8	8

APPENDIX

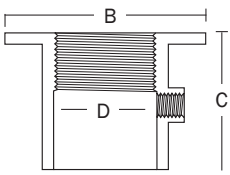


842-82PT

Trap Primer Adapter

FIP Thread × Sch. 40 Hub Connection

- ½" FIP tapped/plugged trap primer port
- Combine these adapters with any of our 842-_L_ drains or 852-_L_ cleanout tops



A
Sch. 40 hub

PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
842-82PT	842-82AT	2"	4 ¹¹ / ₁₆ "	3⅜"	2" FIP	B*	1	10
842-83PT	842-83AT	3"	6"	4"	3" FIP	B*	1	10
842-84PT	842-84AT	4"	7"	4¼"	4" FIP	B*	1	10



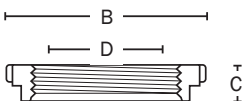
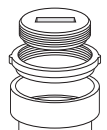
842-92P

Fitting Socket Adapter

FIP Thread × Sch. 40 Spigot Connection

- Fits into Sch. 40 hub

Use a poly flush plug with the 842-9 Series fitting socket rings for an inexpensive cleanout or threaded access cover.



A
Sch. 40 spigot

PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
842-92P	842-92A	2"	2¾"	½"	2" FIP	B	10	20
842-93P	842-93A	3"	4 ¹ / ₁₆ "	⅝"	3" FIP	B	10	20
842-94P	842-94A	4"	5 ¹ / ₁₆ "	⅝"	4" FIP	B	10	20

Push-Joint Adapter

FIP Thread × Push-Joint Connection

- Cast iron with neoprene push-joint gasket
- Combine these adapters with any of our 842-_L_ drains or 852-_L_ cleanout tops



858-64L

SUPPLY

DRAINAGE

SUPPORT

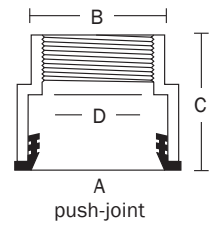
APPENDIX

Options: Add letter suffix. Add price to list.

NEW P Push-joint gasket to fit Sch. 40 ABS/PVC pipe ¹ \$3.00

¹ Only available for 4" cleanouts.

Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
858-63L	3"	3 ¹³ / ₁₆ "	4 ¹ / ₈ "	3" FIP	B*	1	4
858-64L	4"	4 ³ / ₈ "	4 ¹ / ₈ "	4" FIP	B*	1	4



No-Hub Adapter

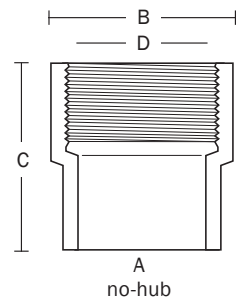
FIP Thread × No-Hub Connection

- Cast iron
- Combine these adapters with any of our 842-_L_ drains or 852-_L_ cleanout tops



842-22i

Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
842-22i	2"	2 ³ / ₄ "	3 ¹ / ₄ "	2" FIP	B*	2	2
842-23i	3"	4"	3 ¹ / ₄ "	3" FIP	B*	2	2
842-24i	4"	5"	3 ¹ / ₄ "	4" FIP	B*	2	2



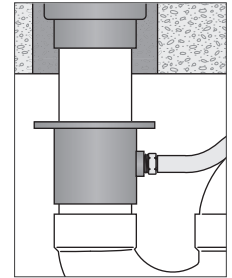


695-3P

Trap Primer Adapter

Sch. 40 Hub with 1/2" FIP Port

- Faster and more professional installation of trap primer supply
- Allows trap primer inlet to be positioned anywhere on the vertical waste line above the trap
- Universal 1/2" FIP thread trap primer supply connection
- Accommodates supply lines from any direction



Trap primer adapter solvent welds in the vertical waste line, typically just above the trap to be served. Adapter keeps the trap primer supply line out of the concrete when necessary.

ABS Item No	PVC Item No	Description	Pkg	Min Qty	Case Qty
695-2A	695-2P	2" Sch. 40 hub adapter with 1/2" FIP port	B	1	10
695-3A	695-3P	3" Sch. 40 hub adapter with 1/2" FIP port	B	1	10
695-4A	695-4P	4" Sch. 40 hub adapter with 1/2" FIP port	B	1	10

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



863-HP44

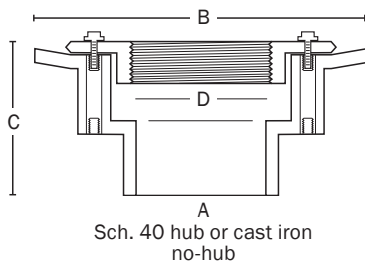
Flashing Drain Adapter

FIP Thread Collar × Flashing Drain Connection

Options: Add letter suffix. Add price to list.

T Tapped/plugged trap primer port for ABS/PVC \$12.00

Note: All 863-HC series are factory tapped and plugged.



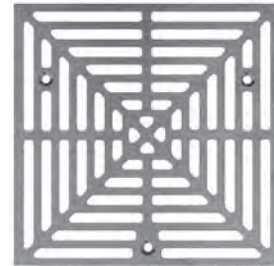
PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ABS COLLAR – SCH. 40 CONNECTION								
863-HP23	863-HA23	2"	8 1/2"	3 3/4"	3" FIP	B*	1	10
863-HP33	863-HA33	3"	8 1/2"	3 3/4"	3" FIP	B*	1	10
863-HP34	863-HA34	3"	8 1/2"	3 3/4"	4" FIP	B*	1	10
863-HP43	863-HA43	4"	8 1/2"	3 3/4"	3" FIP	B*	1	10
863-HP44	863-HA44	4"	8 1/2"	3 3/4"	4" FIP	B*	1	10
DUCTILE IRON COLLAR – CAST IRON NO-HUB CONNECTION								
863-HC223	—	2"	8 1/2"	3 3/4"	3" FIP	B*	1	1
863-HC233	—	3"	8 1/2"	3 3/4"	3" FIP	B*	1	1
863-HC234	—	3"	8 1/2"	3 3/4"	4" FIP	B*	1	1
863-HC243	—	4"	8 1/2"	3 3/4"	3" FIP	B*	1	1
863-HC244	—	4"	8 1/2"	3 3/4"	4" FIP	B*	1	1

Replacement Strainers for Drains

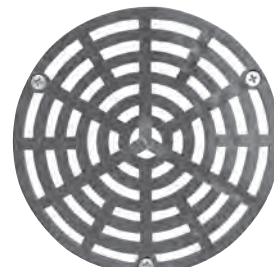
Fits: 822 Series, 832 Series, 833 Series,
842 Series, 843 Series, 844 Series,
863 Series



842-SCS4



842-SNQ4



842-SP4



842-SS4



842-Si4

Item No	Pattern	Diameter	Free Area (in ²)	Thickness	Screw Centers	Pkg	Min Qty	Case Qty
NICKEL BRONZE STRAINER WITH SCREWS								
842-SN2	Round	4"	4.25	3/16"	3"	B*	1	10
842-SNQ2	Square	4"	7.6	3/16"	3"	B*	1	10
842-SN3	Round	5 1/8"	7.5	3/16"	3 7/8"	B*	1	10
842-SNQ3	Square	5 3/8"	12.75	3/16"	3 7/8"	B*	1	10
842-SN4	Round	6 1/8"	11.75	3/16"	4 7/8"	B*	1	20
842-SNQ4	Square	6 5/8"	16.4	3/16"	4 7/8"	B*	1	1
801-NR2	842-SN4 strainer with ring					B*	1	10
801-NQ2	842-SNQ4 strainer with ring					B*	1	10
CAST 304 STAINLESS STEEL STRAINER WITH SCREWS								
842-SCS2	Round	4"	4.25	3/16"	3"	B*	1	10
842-SCSQ2	Square	4"	7.6	3/16"	3"	B*	1	10
842-SCS3	Round	5 1/8"	7.5	3/16"	3 7/8"	B*	1	10
842-SCSQ3	Square	5 3/8"	12.75	3/16"	3 7/8"	B*	1	10
842-SCS4	Round	6 1/8"	11.75	3/16"	4 7/8"	B*	1	10
842-SCSQ4	Square	6 1/2"	16.4	3/16"	4 7/8"	B*	1	10
801-SR2	842-SCS4 strainer with ring					B*	1	10
801-SQ2	842-SCSQ4 strainer with ring					B*	1	10
DUCTILE IRON STRAINER WITH SCREWS								
842-SD4	Round	6 1/8"	13.25"	3/16"	4 7/8"	B*	1	1
801-DR2	842-SD4 strainer with ring					B*	1	10
CAST BRASS STRAINER WITH SCREWS								
842-SB2	Round	4"	4.25	3/16"	3"	B*	1	10
842-SB3	Round	5 1/8"	7.5	3/16"	3 7/8"	B*	1	10
842-SB4	Round	6 1/8"	11.75	3/16"	4 7/8"	B*	1	10
GRAY PVC STRAINER WITH SCREWS								
842-SP2	Round	4"	4.18	3/8"	3"	B*	1	1
842-SP3	Round	5 1/16"	5.15	3/8"	3 7/8"	B*	1	10
842-SP4	Round	6 1/16"	8.74	3/8"	4 7/8"	B*	1	10
STAMPED 430 STAINLESS STEEL STRAINER WITH SCREWS								
842-SS2	Round	4"	2.66	18 gauge	3"	B*	1	10
842-SS3	Round	5 1/16"	5.09	18 gauge	3 7/8"	B*	1	10
842-SS4	Round	6 1/16"	9.25	16 gauge	4 7/8"	B*	1	10
CAST IRON STRAINER - LOOSE SET								
842-Si2	Round	4 1/2"	4.18	9/16"	—	B*	1	5
842-Si3	Round	5 5/8"	6.81	5/8"	—	B*	1	10
842-Si4	Round	6 3/16"	9.58	5/8"	—	B*	1	2

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Replacement Dome Strainers for Roof Drains

Fits: 867 Series, 868 Series



867-HD



867-MD



868-HD



868-MD



868-15CD



868-20CD

Item No	Material	Bottom Diameter	Pkg	Min Qty	Case Qty
DOMESTRAINER FOR 867 SERIES					
867-HD	Polypropylene	7½"	B*	1	5
867-MD	Cast iron	7½"	B*	1	5
DOMESTRAINER FOR 868-P & 868-i SERIES					
868-HD	Polyethylene	9¼"	B*	1	5
868-MD	Cast aluminum	9¼"	B*	1	5
DOMESTRAINER FOR 868-15 SERIES					
868-15CD	Cast iron	12½"	B*	1	1
DOMESTRAINER FOR 868-20 SERIES					
868-20CD	Cast iron	18¼"	B*	1	1

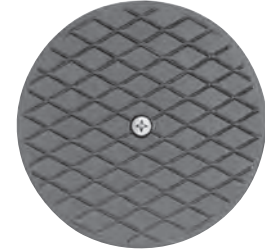
Replacement Covers for Cleanouts

Fits: 834 Series, 852 Series

Item No	Diameter	Thickness	Screw Centers	Pkg	Min Qty	Case Qty
NICKEL BRONZE COVER WITH SCREWS						
852-CN2	4"	3/16"	3"	B*	1	10
852-CN3	5 1/8"	3/16"	3 7/8"	B*	1	10
852-CN4	6 1/8"	3/16"	4 7/8"	B*	1	10
TENZALLOY COVER WITH SCREWS						
852-CT3	5 1/8"	3/16"	3 7/8"	B*	1	2
852-CT4	6 1/8"	3/16"	4 7/8"	B*	1	2
PVC COVER WITH SCREWS						
852-CP3	5 1/8"	3/16"	3 7/8"	B*	1	2
852-CP4	6 1/8"	3/16"	4 7/8"	B*	1	2
CAST IRON COVER WITH SCREW						
852-Ci3	5 5/8"	5/8"	—	B*	1	1
852-Ci4	6 3/16"	5/8"	—	B*	1	5



852-CN4



852-Ci4

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Replacement Covers for Cleanouts

Fits: 851 Series

Options: Add letter suffix. Add price to list.

B Beveled edge for floor plate (not available on cast iron covers) \$5.00

Item No	Diameter	Thickness	Pkg	Min Qty	Case Qty
NICKEL BRONZE COVER WITH SCREW					
851-CN3	5 1/8"	3/16"	B*	1	10
851-CN4	6 1/8"	3/16"	B*	1	10
851-CN6	7 3/4"	3/16"	B*	1	10
851-CN8	8 3/8"	3/16"	B*	1	10
TENZALLOY COVER WITH SCREW					
851-CT3	5 1/8"	3/16"	B*	1	10
851-CT4	6 1/8"	3/16"	B*	1	10
851-CT6	7 3/4"	3/16"	B*	1	10
851-CT8	8 3/8"	3/16"	B*	1	10
CAST IRON COVER WITH SCREW					
851-Ci3	4 1/8"	5/8"	B*	1	1
851-Ci4	5 1/8"	5/8"	B*	1	1
851-Ci6	6 1/8"	5/8"	B*	1	1
851-Ci8	7 3/4"	5/8"	B*	1	1



851-CN4



851-Ci6

Replacement Covers for Cleanouts

Fits: 850 Series



850-CN3



850-Ci3

Item No	Diameter	Thickness	Screw Centers	Pkg	Min Qty	Case Qty
NICKEL BRONZE COVER WITH SCREWS						
850-CN2	6 ³ / ₈ "	3 ³ / ₁₆ "	4 ³ / ₈ "	B*	1	1
850-CN3	6 ³ / ₈ "	3 ³ / ₁₆ "	5 ¹ / ₈ "	B*	1	10
850-CN4	8 ³ / ₈ "	3 ³ / ₁₆ "	6 ³ / ₄ "	B*	1	1
TENZALLOY COVER WITH SCREWS						
850-CT2	6 ³ / ₈ "	3 ³ / ₁₆ "	4 ³ / ₈ "	B*	1	10
850-CT3	6 ³ / ₈ "	3 ³ / ₁₆ "	5 ¹ / ₈ "	B*	1	10
850-CT4	8 ³ / ₈ "	3 ³ / ₁₆ "	6 ³ / ₄ "	B*	1	10
CAST IRON COVER WITH SCREWS						
850-Ci2	5 ¹ / ₈ "	5 ⁵ / ₈ "	—	B*	1	1
850-Ci3	6 ³ / ₈ "	5 ⁵ / ₈ "	—	B*	1	1
850-Ci4	7 ³ / ₄ "	5 ⁵ / ₈ "	—	B*	1	1

Vandal-Resistant Screws & Bits

- Snake-eye pattern
- 1/4" shank



850-VW1



850-VW4

Item No	Span	Pkg	Min Qty	Case Qty
10-24 SIZE				
850-VW1	#10 span for most drain strainers and cleanout covers	B	10	10
NEW 850-V105	Vandal-resistant screws 10-24 x 1/2" long, stainless, bag of 12	B*	1	25
NEW 850-V106	Vandal-resistant screws 10-24 x 5/8" long, stainless, bag of 12	B*	1	25
NEW 850-V109	Vandal-resistant screws 10-24 x 1" long, stainless, bag of 12	B*	1	25
1/4"-20 SIZE				
850-VW4	#14 span for 850 and 851 series covers	B	10	10
NEW 850-V407	Vandal-resistant screws 1/4-20 x 3/4" long, stainless	B*	1	1
NEW 850-V415	Vandal-resistant screws 1/4-20 x 1 1/2" long, stainless	B*	1	1
NEW 850-V425	Vandal-resistant screws 1/4-20 x 2 1/2" long, stainless	B*	1	1

RESIDENTIAL

SHOWER DRAINS

- Double Duty™
- Shower Pan Drains
- StreamLine™
- Shower Module Drains

FLOOR DRAINS

- Weld One™
- Quad Drain™
- Inside Pipe Drains
- General Purpose Drains
- Replace-It™
- Gripper™
- Specialty Floor Drains

CLOSET FLANGES

- TKO™
- Push Tite™
- Open Flanges
- Offset Flanges
- Specialty Flanges
- Spacer/Repair Rings

BACKWATER VALVE

- ProCheck™
- Standard Backwater Valves
- Backup Float Valves

AIR ADMITTANCE VALVES

- TurboVent™
- Accessories

RESIDENTIAL ACCESSORIES

- Replacement Strainers
- Smart Saddle™
- Miscellaneous



Shower Pan Drain with Double Duty™ Test Plug
p 366



Round-to-Square Strainer Adapter
p 368



Large Capacity Shower Pan Drain
p 369



StreamLine™ Linear Shower Drain
p 370



Shower Module Drain
p 371



JackRabbit™ Jacking Bolt Shower Drain
p 373



No-Caulk Shower Module Drain
p 373



Weld One™ Integral Trap Drain
p 376



Quad Drain™ General Purpose Floor Drain
p 377



Floor Drain
p 378



Replace-It™ Adjustable Drain Strainer
p 380



Gripper™ Stainless Steel Pipe Strainer
p 380



TKO™ Knockout Closet Flange
p 384



Push-Tite™ Gasketed Closet Flange
p 385



Full Flush™ Offset Closet Flange
p 386



Raise-A-Ring™ Closet Flange Spacer Ring
p 389



ProCheck™ Backwater Valve
p 392



TurboVent™ Air Admittance Valve
p 396



Replacement Strainer
p 400



Smart Saddle™ DWV Saddle Tee
p 404



SHOWER DRAINS

DOUBLE DUTY™

SHOWER PAN DRAINS

STREAMLINE™

SHOWER MODULE DRAINS

Shower Pan Drain

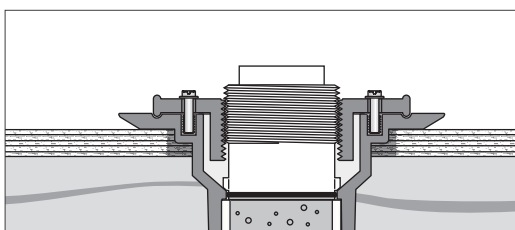
with Double Duty™ Test Plug

- Double Duty™ seals drain for DWV pressure test and shower pan water test
- Plug is easy to install and remove, eliminates reaching through the collar to remove test caps
- No blow-up balls, no glue-in wafers, no mechanical plugs

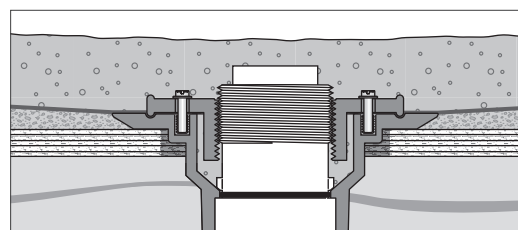


821-T200P

The new Round-to-Square Adapter easily converts 821 drains from round strainer to square. See pg 366



After rough-in, install plug and perform DWV pressure test (plug will hold a 5 lb. air or water test). Plug can remain in place to prevent debris from clogging drain line.



After pan liner installation, re-install plug and perform pan liner test. Loosen plug to drain test water. Plug can remain in place until tile installation.



Align positioning lugs with the slot in the clamping collar threads and push plug into the collar.



Thread the plug into the collar hand-tight. Lugs ensure the o-ring is in the correct position to seal.

PVC Item No	ABS Item No	Description	Brass Inserts in Head	Pkg	Min Qty	Case Qty
DOUBLE DUTY PRESSURE & PAN TEST PLUG						
821-TP		Test plug for 821 series drains		B*	10	10
SCREW-ON STAINLESS STEEL STRAINER—PLASTIC STRAINER RIM						
821-T200P	821-T200A	Plug & drain with screw-on strainer	✓	B*	10	10
821-T2P	821-T2A	Plug & drain with screw-on strainer		B*	10	10
SCREW-ON STAINLESS STEEL STRAINER—NO STRAINER RIM						
821-T2080P	821-T2080A	Plug & drain with screw-on strainer	✓	B*	20	20
821-T280P	821-T280A	Plug & drain with screw-on strainer		B*	10	10
SNAP-IN STAINLESS STEEL STRAINER—PLASTIC STRAINER RIM						
821-T270P	821-T270A	Plug & drain with snap-in strainer		B*	10	10
SNAP-IN STAINLESS STEEL STRAINER—NO STRAINER RIM						
821-T2780P	821-T2780A	Plug & drain with snap-in strainer		B*	10	10
CAST NICKEL BRONZE RING & STRAINER						
821-T200PNR	821-T200ANR	Plug & drain with round ring & strainer	✓	B*	5	5
821-T200PNQ	821-T200ANQ	Plug & drain with square ring & strainer	✓	B*	5	5
CAST 304 STAINLESS STEEL RING & STRAINER						
821-T200PSR	821-T200ASR	Plug & drain with round ring & strainer	✓	B*	5	5
821-T200PSQ	821-T200ASQ	Plug & drain with square ring & strainer	✓	B*	1	5
POLISHED 304 STAINLESS STEEL RING & STRAINER						
NEW 821-T200PCR	821-T200ACR	Plug & drain with round ring & strainer	✓	B*	5	5
NEW 821-T200PCQ	821-T200ACQ	Plug & drain with square ring & strainer	✓	B*	1	5
CAST OIL-RUBBED BRONZE RING & STRAINER						
821-T200PRBR	821-T200ARBR	Plug & drain with round ring & strainer	✓	B*	1	5
821-T200PRBQ	821-T200ARBQ	Plug & drain with square ring & strainer	✓	B*	1	5
CHROME-PLATED HEAD & STRAINER						
821-T2PCP	821-T2ACP	Plug & drain with round head & strainer		B*	5	5
821-T2PQCP	821-T2AQCP	Plug & drain with square head & strainer		B*	5	5
OIL-RUBBED BRONZE HEAD & STRAINER						
821-T2PRB	821-T2ARB	Plug & drain with round head & strainer		B*	5	5
821-T2PQRB	821-T2AQRB	Plug & drain with square head & strainer		B*	5	5

Shower Pan Drain

Screw-on Stainless Steel Strainer

- Available with brass inserts in head adapter for machine screws or pilot holes for standard screws
- Models available with either a (gray) plastic rim around strainer, or no strainer rim
- 430 stainless steel strainer
- Beveled drain body and mounting holes for easy subfloor installation



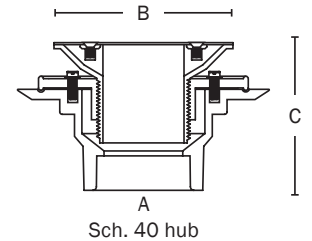
821-200P



The new Round-to-Square Adapter easily converts 821 drains from round strainer to square. See pg 366

PVC Item No	ABS Item No	Dimensions			Brass Inserts in Head	Pkg	Min Qty	Case Qty
		A	B	C				
PLASTIC STRAINER RIM								
821-200P	821-200A	2"	4 ³ / ₈ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	✓	B*	20	20
821-200PPK ¹	821-200APK ¹	2"	4 ³ / ₈ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	✓	C*	8	8
821-2P	821-2A	2"	4 ³ / ₈ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "		C*	20	20
821-2PPK ¹	821-2APK ¹	2"	4 ³ / ₈ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "		B*	8	8
NO STRAINER RIM								
821-2080P	821-2080A	2"	4 ¹ / ₄ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	✓	B*	20	20
821-280P	821-280A	2"	4 ¹ / ₄ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "		B*	20	20

¹Items have white PVC (or black ABS) body



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Shower Pan Drain

Snap-in Stainless Steel Strainer

- Strainer fingers prevent slipping and turning. No screws for a cleaner appearance
- Models available with either a (gray) plastic rim around strainer, or no strainer rim
- 430 stainless steel strainer
- Beveled drain body and mounting holes for easy subfloor installation

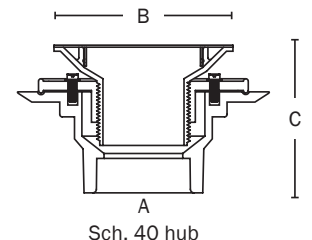


821-2780P



The new Round-to-Square Adapter easily converts 821 drains from round strainer to square. See pg 366

PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
PLASTIC STRAINER RIM							
821-270P	821-270A	2"	4 ³ / ₈ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	B*	20	20
NO STRAINER RIM							
821-2780P	821-2780A	2"	4 ¹ / ₄ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	B*	1	10



NEW Round-to-Square Strainer Adapter Kit

Converts 821 Drains with Round Stamped Strainers to Square

- Simply remove the round strainer from the drain head, attach the square adapter using two screws and snap the new square strainer in place
- Kit includes round-to-square adapter, square stainless steel strainer, two sets of screws and an illustrated instruction sheet



821-2QAS



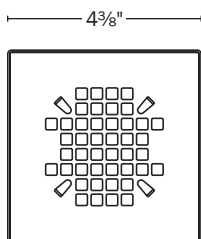
Remove the round stamped strainer from the 821 drain head



Attach the square adapter using two screws



Snap new square strainer into adapter



Item No	Description	Pkg	Min Qty	Case Qty
821-2QAS	Stainless steel square strainer w/ round-to-square adapter & screws	C*	5	5
821-2QASN	Satin finish square SS strainer w/ round-to-square adapter & screws	C*	5	5
821-2QARB	Oil-rubbed bronze finish square SS strainer w/ round-to-square adapter & screws	C*	5	5

Shower Pan Drain

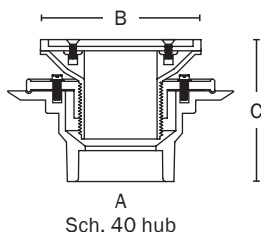
Cast Metal Ring and Strainer

- Machine screws and threaded brass inserts in drain body and head adapter
- Beveled drain body and mounting holes for easy subfloor installation



821-200PNR

NEW
Gray PVC



PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty	
			A	B	C				
CAST NICKEL BRONZE RING & STRAINER									
821-200PNR	821-200ANR	Round	2"	4 1/2"	3 15/16" - 5 15/16"	B*	5	5	
821-200PNQ	821-200ANQ	Square	2"	4 1/2"	3 15/16" - 5 15/16"	B*	1	5	
MATTE 304 STAINLESS STEEL RING & STRAINER									
821-200PSR	821-200ASR	Round	2"	4 1/2"	3 15/16" - 5 15/16"	B*	5	5	
821-200PSQ	821-200ASQ	Square	2"	4 1/2"	3 15/16" - 5 15/16"	B*	1	5	
POLISHED 304 STAINLESS STEEL RING & STRAINER									
NEW	821-200PCR	821-200ACR	Round	2"	4 1/2"	3 15/16" - 5 15/16"	B*	5	5
NEW	821-200PCQ	821-200ACQ	Square	2"	4 1/2"	3 15/16" - 5 15/16"	B*	1	5
CAST OIL-RUBBED BRONZE FINISH RING & STRAINER									
821-200PRBR	821-200ARBR	Round	2"	4 1/2"	3 15/16" - 5 15/16"	B*	1	5	
821-200PRBQ	821-200ARBQ	Square	2"	4 1/2"	3 15/16" - 5 15/16"	B*	1	5	

Shower Pan Drain

Chrome-Plated or Oil-Rubbed Bronze
Adapter and Strainer

- Head adapter available separately
- Beveled drain body and mounting holes for easy subfloor installation
- Square pattern is perfect for tile floors



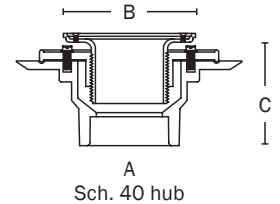
821-2PQCP

NEW
Gray PVC

SUPPLY

DRAINAGE

PVC Item No	ABS Item No	Strainer Pattern	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
CHROME-PLATED ADAPTER & STRAINER								
821-2PCP	821-2ACP	Round	2"	4 1/8"	3 1/2" - 4 3/4"	B*	1	5
821-HCP	—	Round	2" MIP head adapter only			B*	1	5
821-2PQCP	821-2AQCP	Square	2"	4 1/8"	3 1/2" - 4 3/4"	B*	1	5
821-HQCP	—	Square	2" MIP head adapter only			B*	1	5
OIL-RUBBED BRONZE FINISH ADAPTER & STRAINER								
821-2PQRB	821-2AQRB	Square	2"	4 1/8"	3 1/2" - 4 3/4"	B*	1	5
821-2PRB	821-2ARB	Round	2"	4 1/8"	3 1/2" - 4 3/4"	B*	1	5



SUPPORT

APPENDIX

Shower Pan Drain

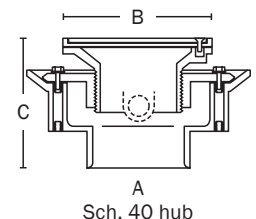
Large Capacity, Cast Metal Ring & Strainer

- For large tile showers and showers with multiple heads or body-spray options
- Larger head/strainer and 3" connection provides increased flow capacity



863-435NQ

PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty	
			A	B	C				
CAST NICKEL BRONZE RING & STRAINER									
863-435NR	863-335NR	Round	3"	5 1/2"	4 3/8" - 6 3/8"	B*	1	6	
863-435NQ	863-335NQ	Square	3"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2	
CAST 304 STAINLESS STEEL RING & STRAINER									
863-435SR	863-335SR	Round	3"	5 1/2"	4 3/8" - 6 3/8"	B*	1	6	
863-435SQ	863-335SQ	Square	3"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2	
POLISHED 304 STAINLESS STEEL RING & STRAINER									
NEW	863-435CR	863-335CR	Round	3"	5 1/2"	4 3/8" - 6 3/8"	B*	1	6
NEW	863-435CQ	863-335CQ	Square	3"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2
CAST OIL-RUBBED BRONZE FINISH RING & STRAINER									
863-435RBR	863-335RBR	Round	3"	5 1/2"	4 3/8" - 6 3/8"	B*	1	6	
863-435RBQ	863-335RBQ	Square	3"	5 7/8"	4 3/8" - 6 3/8"	B*	1	2	



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

NEW StreamLine™

Linear Shower Drain

- Designed for use in "thin-bed" tile applications with a bonded waterproof membrane (ANSI A118.10)
- Provides a unique, contemporary appearance and functional design for shower areas
- Allows for the use of larger, floor-size tiles
- Perfect for use in residential applications for barrier-free or ADA showers, or along thresholds for overflow control
- All StreamLine drains include installation hardware, sealant and an illustrated instruction sheet
- Seamless, internally sloped, PVC body



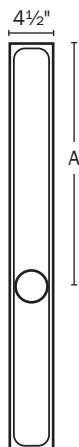
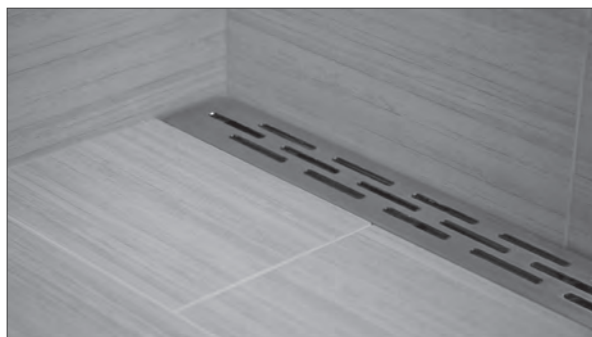
Slotted Strainer Pattern



Pyramid Strainer Pattern



StreamLine™ drains combine sleek, contemporary design with exceptional reliability and simple installation.



Item No	Length	Strainer Pattern	Connection	Dimensions		Pkg	Min Qty	Case Qty
				A	B			
823-24PSP	24"	Pyramid	2" PVC Sch. 40 Hub	15 ³ / ₄ "	1 ¹ / ₄ "	B*	1	1
823-24PSS	24"	Slotted	2" PVC Sch. 40 Hub	15 ³ / ₄ "	1 ¹ / ₄ "	B*	1	1
823-FK24	Full-mortar-bed adapter kit for 24" StreamLine**			—	—	B*	1	1
823-32PSP	32"	Pyramid	2" PVC Sch. 40 Hub	19 ¹ / ₂ "	1 ³ / ₈ "	B*	1	1
823-32PSS	32"	Slotted	2" PVC Sch. 40 Hub	19 ¹ / ₂ "	1 ³ / ₈ "	B*	1	1
823-FK32	Full-mortar-bed adapter kit for 32" StreamLine**			—	—	B*	1	1
823-40PSP	40"	Pyramid	2" PVC Sch. 40 Hub	23 ³ / ₄ "	1 ¹ / ₂ "	B*	1	1
823-40PSS	40"	Slotted	2" PVC Sch. 40 Hub	23 ³ / ₄ "	1 ¹ / ₂ "	B*	1	1
823-FK40	Full-mortar-bed adapter kit for 40" StreamLine**			—	—	B*	1	1
823-60PSP	60"	Pyramid	2" PVC Sch. 40 Hub	33 ³ / ₄ "	1 ⁵ / ₈ "	B*	1	1
823-60PSS	60"	Slotted	2" PVC Sch. 40 Hub	33 ³ / ₄ "	1 ⁵ / ₈ "	B*	1	1
823-FK60	Full-mortar-bed adapter kit for 60" StreamLine**			—	—	B*	1	1

**For use when installing StreamLine in full-mortar-bed applications with standard CPE waterproofing membrane

"Hot Mop" Shower Pan Drain

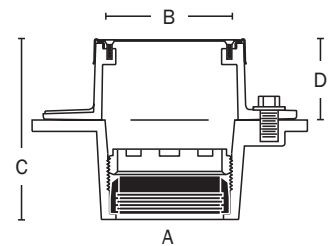
Screw-on Stainless Steel Strainer

- For use in showers with tile floors and hot-mopped tar or asphalt waterproofing
- Enamel-coated cast iron body with stainless steel bolts
- Stainless steel crown/ring and strainer
- Square strainer ring available for easier tile setting



821-2iNS

Item No	Dimensions				Pkg	Min Qty	Case Qty
	A	B	C	D			
NO-CAULK CONNECTION							
821-2iNS	2"	3 ⁵ / ₈ "	4 ³ / ₈ "	2"	C*	1	4
FIP THREAD CONNECTION							
821-2iFS	2"	3 ⁵ / ₈ "	3 ⁵ / ₈ "	2"	C*	4	4
HOT MOP SHOWER DRAIN ACCESSORIES							
821-HSR	Stainless steel strainer & ring				C*	1	10
821-HPR	Polished brass strainer & ring				C*	1	10
821-HSQ	4" square stainless steel strainer ring only				C*	1	10



Solvent Weld Shower Module Drain

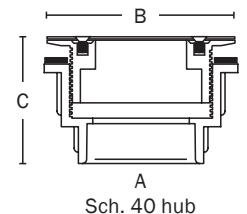
Screw-on Stainless Steel Strainer

- Available with brass inserts in top for machine screws or pilot holes for standard screws
- 430 stainless steel strainer
- 1¹/₂" hub connection is also 2" spigot
- Do not use putty with plastic shower drains



825-20P

PVC Item No	ABS Item No	Dimensions			Brass Inserts	Pkg	Min Qty	Case Qty
		A	B	C				
825-10P	825-10A	1 ¹ / ₂ "	4 ¹ / ₄ "	2 ⁵ / ₈ "	✓	B*	20	20
825-20P	825-20A	2"	4 ¹ / ₄ "	2 ⁵ / ₈ "	✓	B*	20	20
825-1P	825-1A	1 ¹ / ₂ "	4 ¹ / ₄ "	2 ⁵ / ₈ "		B*	20	20
825-2P	825-2A	2"	4 ¹ / ₄ "	2 ⁵ / ₈ "		B*	20	20
825-2PPK	825-2APK	2"	4 ¹ / ₄ "	2 ⁵ / ₈ "		C*	12	12



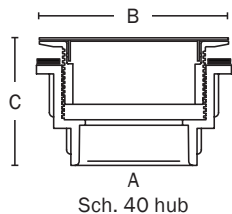


825-27P

Solvent Weld Shower Module Drain

Snap-in Stainless Steel Strainer

- Strainer fingers grip slots in top to prevent slipping and turning
- 430 stainless steel strainer
- 1½" hub connection is also 2" spigot
- Do not use putty with plastic shower drains



PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
825-17P	825-17A	1½"	4¼"	2⅝"	B*	20	20
825-27P	825-27A	2"	4¼"	2⅝"	B*	20	20

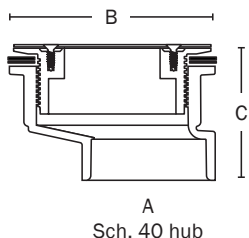
Offset Solvent Weld Shower Module Drain

Screw-on Stainless Steel Strainer

- Provides a ¾" offset in any direction
- Use when needed to offset from a joist or other obstacle
- 430 stainless steel strainer
- Do not use putty with plastic shower drains



825-2PFS

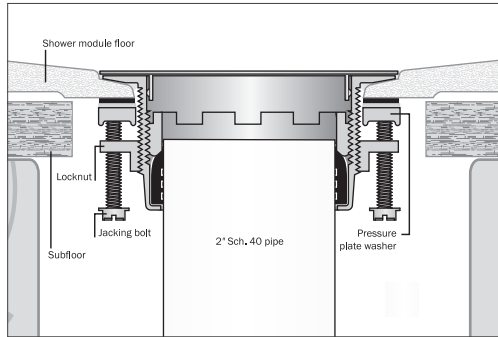


PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
825-2PFS	825-2AFS	2"	4¼"	2"	C*	10	10

JackRabbit™

Jacking Bolt Shower Drain

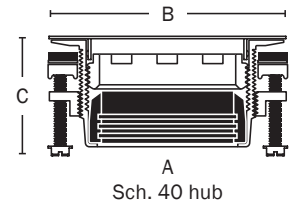
- Perfect for replacement applications when workspace is restricted
- Brass body, locknut and pressure plate washer with elastomer no-caulk gasket



Unique design uses stainless steel "jacking bolts" and a pressure plate washer to create a seal – no need to wrench tighten the outer locknut.



827-2J



Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
SHOWER DRAIN						
827-2J	2"	4¼"	2⅝"	C*	1	6
REPLACEMENT GASKET						
827-2BG	Elastomer compression gasket			B	10	100

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

No-Caulk Shower Module Drain

Brass Body with Snap-in Stainless Steel Strainer

- Brass body and locknut with elastomer no-caulk gasket
- Snap-in 430 stainless steel strainer

PVC Body with Snap-in Stainless Steel Strainer

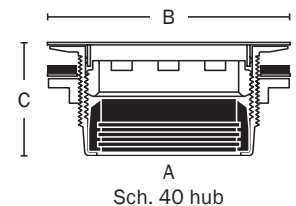
- PVC body and locknut with elastomer no-caulk gasket
- Snap-in 430 stainless steel strainer
- Do not use putty with plastic shower drains



827-2B



828-2



Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
CAST BRASS BODY DRAIN						
827-2B	2"	4¼"	2⅝"	C*	1	10
PVC DRAIN						
828-2	2"	4¼"	2⅝"	B	1	20
828-2PK	2"	4¼"	2⅝"	C*	10	10
REPLACEMENT GASKET						
827-2BG	Elastomer compression gasket			B	10	100



829-S2

Push-Joint Shower Module Drain

Snap-in Stainless Steel Strainer

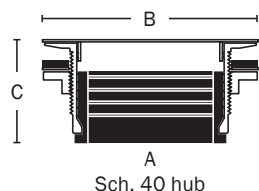
- PVC drain body with outer locknut
- Elastomer push-joint gasket installs over 2" Sch. 40 pipe
- 430 stainless steel strainer
- Do not use putty with plastic shower drains

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



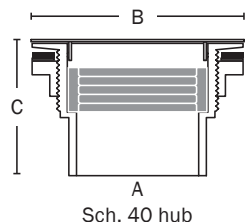
Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
829-S2	2"	4¼"	2 ⁵ / ₁₆ "	B*	1	20



826-2P

Push-Joint/Solvent Weld Shower Module Drain

- Optional full-slip glue hub or gasket seal connection
- Do not use putty with plastic shower drains



PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
826-2P	826-2A	2"	4¼"	2 ⁵ / ₈ "	B*	1	20
826-2PPK	—	2"	4¼"	2 ⁵ / ₈ "	C*	10	10

Weld One™

» Integral Trap Floor Drain



Convenient

Integral trap means fewer fittings and glue joints on the job site – simply connect 2" pipe. Pre-threaded, knockout, 1/2" FIP trap primer connection. Adhesive debris cover protects strainer during rough-in.

Versatile

Great general-purpose drain for slab installations. Multiple strainer options suitable for a variety of applications: economical polypropylene, nickel-bronze or stainless steel for finished areas, and ductile iron for heavy duty traffic.

Dependable

Reinforced hub reduces cracking when pipe is moved. Stake anchor allows better front-side securing. Designed and made in the USA. Molded from engineered resins that stand up to job site abuse.



Note: 2" FIP threaded drain throat is designed for float-ball backwater device. 1-1/2" cleanout plug is pre-installed into FIP cleanout threads.

Supply Drainage Support

www.siouxchief.com

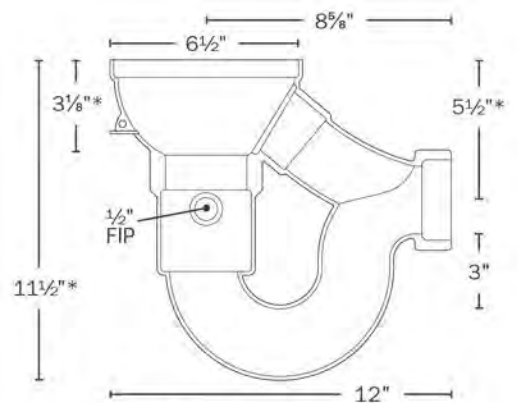
TAKE THE FIELD.





Note: Adhesive debris cover protects drain during pour and removes with no residue.

[CLICK FOR SUBMITTAL](#)



*Add 5/16" for metal ring/strainer



800-P



800-A



800-PNQ

Buying Information

ITEM NO.	DESCRIPTION	U/M	PKG.	MIN. QTY.	CASE QTY.
WELD ONE WITH POLYPRO STRAINER					
800-P	PVC 2" Sch. 40 Hub Weld One W/ Gray Polypro Strainer - Gray PVC	EA	B*	12	12
800-PPK	PVC 2" Sch. 40 Hub Weld One W/ White Polypro Strainer - White PVC	EA	B*	3	3
800-PBW	PVC 2" Sch. 40 Hub Weld One W/ Gray Polypro Strainer - Backwater Device Installed - Gray PVC	EA	B*	12	12
800-A	ABS 2" Sch. 40 Hub Weld One W/ Black Polypro Strainer	EA	B*	12	12
800-APK	ABS 2" Sch. 40 Hub Weld One W/ Black Polypro Strainer	EA	B*	3	3
800-ABW	ABS 2" Sch. 40 Hub Weld One W/ Black Polypro Strainer - Backwater Device Installed	EA	B*	12	12
WELD ONE WITH NICKEL-BRONZE RING & STRAINER					
800-PNR	PVC 2" Sch. 40 Hub Weld One W/ Round Nickel-Bronze Ring & Strainer - Gray PVC	EA	B*	1	2
800-PNQ	PVC 2" Sch. 40 Hub Weld One W/ Square Nickel-Bronze Ring & Strainer - Gray PVC	EA	B*	1	2
800-ANR	ABS 2" Sch. 40 Hub Weld One W/ Round Nickel-Bronze Ring & Strainer	EA	B*	1	2
800-ANQ	ABS 2" Sch. 40 Hub Weld One W/ Square Nickel-Bronze Ring & Strainer	EA	B*	1	2
WELD ONE WITH 304 STAINLESS STEEL RING & STRAINER					
800-PSR	PVC 2" Sch. 40 Hub Weld One W/ Round 304 Stainless Steel Ring & Strainer - Gray PVC	EA	B*	1	2
800-PSQ	PVC 2" Sch. 40 Hub Weld One W/ Square 304 Stainless Steel Ring & Strainer - Gray PVC	EA	B*	1	2
800-ASR	ABS 2" Sch. 40 Hub Weld One W/ Round 304 Stainless Steel Ring & Strainer	EA	B*	1	2
800-ASQ	ABS 2" Sch. 40 Hub Weld One W/ Square 304 Stainless Steel Ring & Strainer	EA	B*	1	2
WELD ONE WITH DUCTILE IRON RING & STRAINER					
800-PIR	PVC 2" Sch. 40 Hub Weld One W/ Ductile Iron Ring & Strainer - Gray PVC	EA	B*	1	2
800-AIR	ABS 2" Sch. 40 Hub Weld One W/ Ductile Iron Ring & Strainer	EA	B*	1	2
REPLACEMENT STRAINERS					
801-PG2	Gray Polypro Strainer	EA	B*	1	25
801-P2	White Polypro Strainer	EA	B*	1	25
801-A2	Black Polypro Strainer	EA	B*	1	25
801-NR2	Round Nickel-Bronze Ring & Strainer	EA	B*	1	10
801-NQ2	Square Nickel-Bronze Ring & Strainer	EA	B*	1	10
801-SR2	Round 304 Stainless Steel Ring & Strainer	EA	B*	1	10
801-SQ2	Square 304 Stainless Steel Ring & Strainer	EA	B*	1	10
801-DR2	Round Ductile Iron Ring & Strainer	EA	B*	1	10
BACKWATER DEVICE					
802-7	Backwater device for 2" FIP threads	EA	B*	12	12

PACKAGING:
 B = Bulk
 C = Cut Case
 * Individually Bar-Coded



24110 South Peculiar Drive
 Peculiar, Missouri 64078
 P 1.800.821.3944
 F 1.800.758.5950



Quad Drain™

General Purpose Floor Drain

- Low profile design
- Standard hub, or full-slip connections available to fit 2" and 3" Sch. 40 pipe
- Full-slip connections allow adjust-to-grade installations. Full-slip models are gray PVC
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas
- Ductile iron strainers for heavy-duty applications
- Square strainers are great for floor tile



Adhesive debris cover protects drain during pour and removes with no residue.



841-2P



841-29PNQ

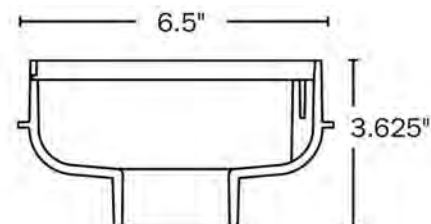
[CLICK FOR SUBMITTAL](#)

Options: Add letter suffix.

H - 2" FIP threaded drain throat for stand pipe \$12.00

PVC Item No	ABS Item No	Connection	Strainer Pattern	Pkg	Min Qty	Case Qty
POLYPRO STRAINER						
841-2P	841-2A	2" x 3"	Round	B*	12	12
841-2PPK	841-2APK	2" x 3"	Round	B*	6	6
841-29P	—	2" full-slip ¹	Round	B*	12	12
841-29PL	—	2" full-slip ¹	Round, less screw	B*	12	12
841-39P	—	3" full-slip ¹	Round	B*	12	12
841-39PL	—	3" full-slip ¹	Round, less screw	B*	12	12
NICKEL BRONZE RING & STRAINER						
841-2PNR	841-2ANR	2" x 3"	Round	B*	1	6
841-29PNR	—	2" full-slip ¹	Round	B*	1	1
841-39PNR	—	3" full-slip ¹	Round	B*	1	2
841-2PNQ	841-2ANQ	2" x 3"	Square	B*	1	2
841-29PNQ	—	2" full-slip ¹	Square	B*	1	1
841-39PNQ	—	3" full-slip ¹	Square	B*	1	2
304 STAINLESS STEEL RING & STRAINER						
841-2PSR	841-2ASR	2" x 3"	Round	B*	1	2
841-29PSR	—	2" full-slip ¹	Round	B*	1	2
841-39PSR	—	3" full-slip ¹	Round	B*	1	2
841-2PSQ	841-2ASQ	2" x 3"	Square	B*	1	2
841-29PSQ	—	2" full-slip ¹	Square	B*	1	2
841-39PSQ	—	3" full-slip ¹	Square	B*	1	2
DUCTILE IRON RING & STRAINER						
841-2PIR	841-2AIR	2" x 3"	Round	B*	1	2
841-29PIR	—	2" full-slip ¹	Round	B*	1	1
841-39PIR	—	3" full-slip ¹	Round	B*	1	2

¹ Full slip models are gray PVC.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

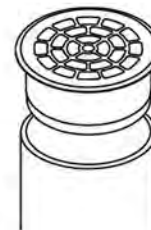


845-3P

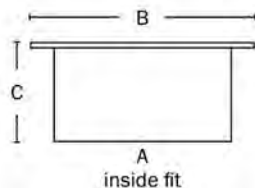
CLICK FOR SUBMITTAL

Inside Pipe Drain

- Solvent welds inside pipe, flush to floor
- Also great for direct vent furnaces and water heaters, or to cover any open ended pipe



Fits inside Sch. 40
ABS/PVC pipe.



White ABS Item No	Black ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
845-2P	—	2" Sch. 40	2 ³ / ₈ "	1"	B*	20	20
845-2PPK	845-2APK	2" Sch. 40	2 ³ / ₈ "	1"	C*	10	10
845-3P	—	3" Sch. 40	3 ¹ / ₂ "	1 ¹ / ₂ "	B*	20	20
845-3PPK	845-3APK	3" Sch. 40	3 ¹ / ₂ "	1 ¹ / ₂ "	C*	10	10
845-4P	—	4" Sch. 40	4 ¹ / ₂ "	1 ⁷ / ₈ "	B*	20	20
845-4PPK	845-4APK	4" Sch. 40	4 ¹ / ₂ "	1 ⁷ / ₈ "	C*	10	10

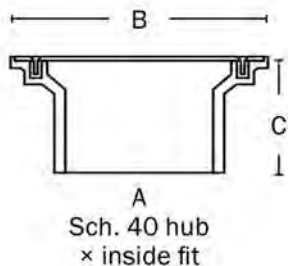
Solvent Weld Floor Drain

Screw-On Stainless Steel Strainer

- Available with brass inserts for machine screws, or pilot holes for standard screws
- 19-gauge 430 stainless steel strainer



840-2P



PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
MACHINE SCREWS & BRASS INSERTS							
840-20P	840-20A	2" x 3"	4 ³ / ₈ "	1 ³ / ₄ "	B*	20	20
840-30P	840-30A	3" x 4"	4 ³ / ₈ "	2 ¹ / ₄ "	B*	1	20
STANDARD SCREWS							
840-2P	840-2A	2" x 3"	4 ³ / ₈ "	1 ³ / ₄ "	B*	20	20
840-2PPK	840-2APK	2" x 3"	4 ³ / ₈ "	1 ³ / ₄ "	C*	10	10
840-3P	840-3A	3" x 4"	4 ³ / ₈ "	2 ¹ / ₄ "	B*	20	20
840-3PPK	840-3APK	3" x 4"	4 ³ / ₈ "	2 ¹ / ₄ "	C*	10	10

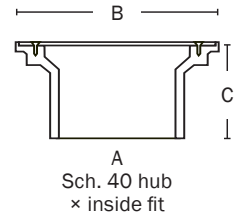
Solvent Weld Floor Drain

Snap-In Stainless Steel Strainer

- Strainer fingers grip slots in drain body to prevent slipping and turning
- 430 stainless steel strainer



840-27P



PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
840-27P	840-27A	2" x 3"	4 ³ / ₈ "	1 ³ / ₄ "	B*	20	20
840-37P	840-37A	3" x 4"	4 ³ / ₈ "	2 ¹ / ₄ "	B*	1	10

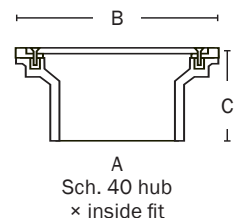
Solvent Weld Floor Drain

Nickel Bronze Ring & Strainer

- Brass inserts in drain body make strainer replacement fast and easy
- Cast, satin-finish nickel bronze ring and strainer for high-end finish floors



840-20PNR



PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
840-20PNR	840-20ANR	2" x 3"	4 ¹ / ₂ "	2 ¹ / ₁₆ "	B*	1	10
840-30PNR	840-30ANR	3" x 4"	4 ¹ / ₂ "	2 ⁹ / ₁₆ "	B*	1	10

SUPPLY

DRAINAGE

SUPPORT

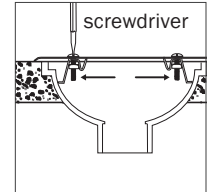
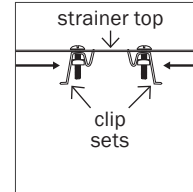
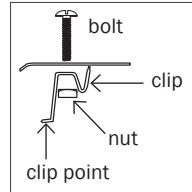
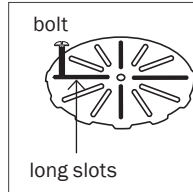
APPENDIX



847-7B



847-7



Replace-It™

Adjustable Drain Strainer

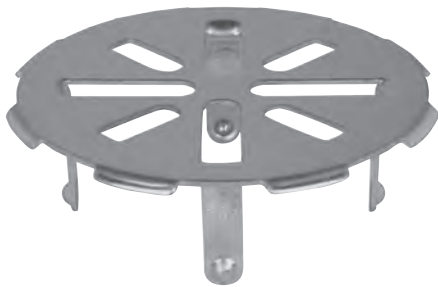
- Replace rusted or broken cast iron strainers or bar grates
- Heavy gauge stainless steel – 100% corrosion proof
- Adjustable screw clips to fit almost any drain
- 7¼" diameter fits 3¼" – 6¾" drain openings
- 9¼" diameter fits 5¼" – 8¾" drain openings

Item No	Description	Gauge	Pkg	Min Qty	Case Qty
847-7B	7¼" diameter	14	B*	20	20
847-7	7¼" diameter, clamshell	14	C*	10	10
847-9	9¼" diameter	12	B*	1	10

Gripper™

Stainless Steel Pipe Strainer

- Gripping fingers fit snugly inside pipe keeping strainer securely in place
- Heavy gauge stainless steel – 100% corrosion proof



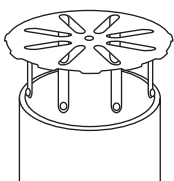
847-3

Options: Add letter suffix. Add price to list.

C Hole for condensate lines ¹ \$4.00

¹ Only available on 847-3 and 847-4.

Item No	Description	Gauge	Pkg	Min Qty	Case Qty
847-2	Fits 2" pipe	18	B	20	20
847-2PK1	Fits 2" pipe, clamshell	18	C*	5	5
847-3	Fits 3" pipe	16	B	20	20
847-3PK1	Fits 3" pipe, clamshell	16	C*	10	10
847-4	Fits 4" pipe	16	B	10	10
847-4PK1	Fits 4" pipe, clamshell	16	C*	10	10



fits inside pipe

Bell Trap Drain

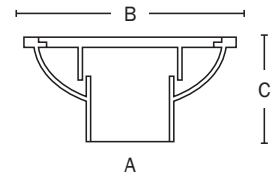
PVC or ABS

- Solvent weld connection
- Bell-type trap is designed into sump area



866-3P

PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
866-2P	—	1½" Sch. 40 hub × 2" Sch. 40 spigot	6"	2¾/16	B*	1	25
866-2PPK	866-2APK	1½" Sch. 40 hub × 2" Sch. 40 spigot	6"	2¾/16	C*	5	5
866-3P	—	3" S & D hub × 3" Sch. 40 spigot	9"	4½"	B*	1	20
866-34P	—	Over 3" or inside 4" Sch. 40	9"	4½"	B*	1	20
866-34PPK	866-34APK	Over 3" or inside 4" Sch. 40	9"	4½"	C*	5	5
866-4P	—	4" S & D hub × 4" Sch. 40 spigot	9"	4½"	B*	1	20



SUPPLY

DRAINAGE

SUPPORT

Bell Trap Drain

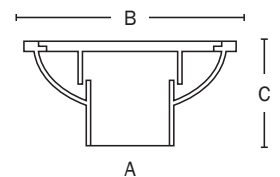
Cast Iron

- No-hub connection
- Bell-type trap is designed into sump area



866-3i

Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
866-2i	2" no hub	5¾"	3¾"	B*	2	2
866-3i	3" no hub	9"	4¾"	B*	2	2



APPENDIX

PVC Vent Cap

- Fits over 3" or 4" DWV pipe
- Two set screws secure cap to vent pipe



869-V34

Item No	Dimensions		Pkg	Min Qty	Case Qty
	A	B			
869-V34	6"	1¾"	C*	4	4

SUPPLY

DRAINAGE

SUPPORT

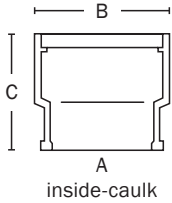
APPENDIX



869-V4

Philadelphia Style Vent Cap

- Cast iron inside-caulk connection
- Set 2" above grade (or in accordance with local code)
- Install outside on sewer lateral to vent gas
- Enamel-coated cast iron



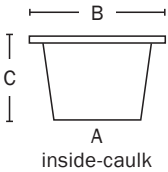
Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
869-V4	4"	6 ⁵ / ₈ "	5 ⁵ / ₈ "	B*	1	1



844-04iQ

Pittsburgh Style Drain

- Cast iron inside-caulk connection
- Enamel-coated cast iron



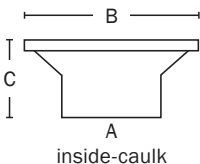
Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
844-04iQ	4"	8 ³ / ₄ "	4 ⁵ / ₈ "	B*	2	2



844-0SL

St. Louis Style Drain

- Cast iron inside-caulk connection
- Enamel-coated cast iron



Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
844-02SL	2"	4 ⁷ / ₈ "	2 ³ / ₈ "	C*	2	2
844-0SL	3"	7"	3 ¹ / ₂ "	C*	2	2
844-04SL	4"	9 ¹ / ₄ "	4"	C*	2	2



CLOSET FLANGES

TKO™

PUSH TITE™

OPEN FLANGES

OFFSET FLANGES

SPECIALTY FLANGES

SPACER/REPAIR RINGS

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



Total Knockout Closet Flange

Patent #5,377,361

- Proven performance, improved design
- Knockout will not break apart and cannot fall down drain pipe
- Corrosion-resistant 430 stainless steel swivel ring is engineered for maximum strength
- Holds five floors (22 PSI) for head test



883-PT



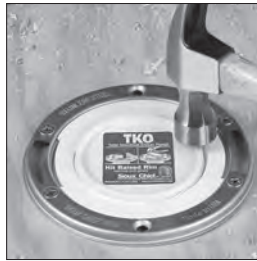
886-4PT



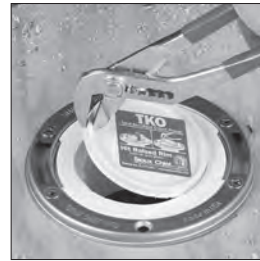
884-PTM



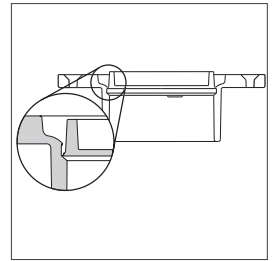
888-PTM



Hit the raised rim of the TKO™ until the knockout cracks loose.



Remove loose knockout with pliers. It always removes in one piece.



Patented design makes the knockout larger than the drain throat. It will not break apart and fall down drain line.

PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
ONE-PIECE PLASTIC RING					
883-PT	883-AT	3" hub/inside 4", flush to floor ¹	B*	25	25
883-PTPK	883-ATPK	3" hub/inside 4", flush to floor ¹	C*	8	8
886-PTS	886-ATS	3" spigot	B*	25	25
886-PT30	—	3" Sch. 30 hub	B*	25	25
886-4PT	886-4AT	4" hub, flush to floor	B*	25	25
886-4PTS	886-4ATS	4" spigot, flush to floor	B*	25	25
STAINLESS STEEL SWIVEL RING					
883-PTM	883-ATM	3" hub/inside 4", flush to floor ¹ , 1 ³ / ₄ "-long tailpiece	B*	24	24
884-PTM	884-ATM	3" hub/inside 4", flush to floor ¹ , 2 ¹ / ₂ "-long tailpiece	B*	24	24
884-PTMPK	884-ATMPK	3" hub/inside 4", flush to floor ¹ , 2 ¹ / ₂ "-long tailpiece	C*	8	8
886-PTMS	886-ATMS	3" spigot	B*	25	25
886-PTMSPK	886-ATMSPK	3" spigot	C*	8	8
888-PTM	888-ATM	3" inside fit ¹	B*	25	25
888-PTMPK	888-ATMPK	3" inside fit ¹	C*	8	8
886-PTM30	—	3" Sch. 30 hub	B*	25	25
886-4PTM	886-4ATM	4" hub, flush to floor	B*	25	25
886-4PTMPK	886-4ATMPK	4" hub, flush to floor	C*	8	8
886-4PTMS	886-4ATMS	4" spigot, flush to floor	B*	25	25
886-4PTMSPK	886-4ATMSPK	4" spigot, flush to floor	C*	8	8

All models UPC listed except Sch. 30 and 3" inside-fit models. cUPC listed where indicated

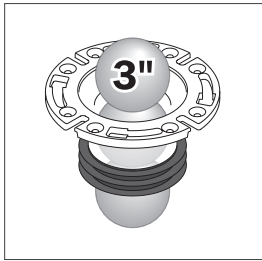


¹ The inside diameter of pipe can vary significantly. These flanges are designed to fit inside most, but may not fit all types of pipe.

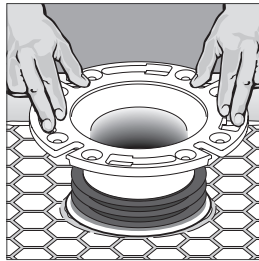
Push Tite™

Gasketed Closet Flange

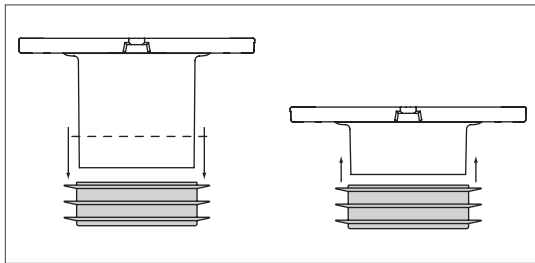
- Gasket seals inside DWV pipe
- Easy installation – simply push in and fasten to floor, perfect for replacement or new installations
- Push Tite™ flanges have larger outlets than other gasketed closet flanges and smooth inner walls with no obstructions or ledges to cause clogs
- Swivel ring is stainless steel for durability



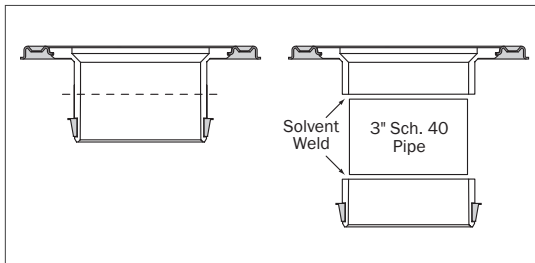
The 886/887 Push Tite models are the only gasketed closet flanges that will allow a 3" ball to pass freely – no obstructions.



Pushes into any DWV pipe. Lubricate gasket before installation if necessary.



To shorten 886 Push Tite... remove gasket, cut tail piece to length & replace gasket.



To extend the 887 Push Tite, cut in half across the outlet, glue in 3" Sch. 40 pipe.



886-GP



887-GPM



888-GPM

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

White ABS Item No	Black ABS Item No	Connection	Pkg	Min Qty	Case Qty
INSIDE 3" DWV PIPE					
888-GPM	888-GAM	3" inside fit gasket with SS swivel ring, 4"-long tailpiece	C*	6	6
INSIDE 4" DWV PIPE					
887-GPM	887-GAM	4" inside fit gasket with SS swivel ring, flush to floor	C*	6	6
886-GP	886-GA	4" inside fit gasket with plastic ring, 4"-long tailpiece	C*	5	5
887-GPTMK		Push-Tite Installation Kit: includes 886-GP, wax ring, closet bolts, and shims	C*	6	6

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



887-PM



886-4P

All models UPC listed except 3" inside fit models. cUPC where indicated



Open Closet Flange

Stainless Steel Swivel Ring

- Corrosion-resistant 430 stainless steel swivel ring is engineered for maximum strength

One-Piece Plastic

- Solid ABS or PVC

PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
ONE-PIECE PLASTIC RING					
888-P	888-A	3" inside fit ¹	B*	20	20
888-PPK	888-APK	3" inside fit ¹	C*	10	10
886-P	886-A	3" hub/inside 4", flush to floor ¹	B*	20	20
886-PPK	886-APK	3" hub/inside 4", flush to floor ¹	C*	10	10
886-4P	886-4A	4" hub, flush to floor	B*	25	25
886-4PPK	886-4APK	4" hub, flush to floor	C*	6	6
886-4PS	—	4" spigot, flush to floor	B*	25	25
STAINLESS STEEL SWIVEL RING					
888-PM	888-AM	3" inside fit, 4" long tailpiece ¹	B*	12	12
887-PM	887-AM	3" hub/inside 4", flush to floor ¹	B*	25	25
886-4PM	886-4AM	4" hub, flush to floor	B*	25	25
886-4PMSPK	886-4AMSPK	4" spigot, flush to floor	C*	6	6

¹ The inside diameter of pipe can vary significantly. These flanges are designed to fit inside most, but may not fit all types of pipe.

Full Flush™

Offset Closet Flange

- Full-flow, 3" I.D. throat – no restriction
- Allows for 1½" offset in any direction for closet bowl setting
- Corrosion-resistant 430 stainless steel swivel ring is engineered for maximum strength



889-POM



889-POTM



889-GPOM



Full Flush™ is the only offset closet flange that will allow a 3" ball to pass freely – no obstructions.

PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
OPEN FLANGE					
889-POM	889-AOM	3" hub/inside 4", flush to floor ¹	B*	20	20
889-POMPK	889-AOMPK	3" hub/inside 4", flush to floor ¹	C*	6	6
889-GPOM	889-GAOM	Inside 4" gasket fit	B*	4	4
WITH KNOCKOUT					
889-POTM	889-AOTM	3" hub/inside 4", flush to floor ¹	B*	20	20

¹ The inside diameter of pipe can vary significantly. These flanges are designed to fit inside most, but may not fit all types of pipe.

Drop-Kick™

45° Offset Closet Flange

- Full-flow, 3" I.D. throat – no restriction
- Solvent welds inside 3" Sch. 40 fitting hub
- Corrosion-resistant 430 stainless steel swivel ring is engineered for maximum strength



Drop-Kick™ is the only 45° offset closet flange that will allow a 3" ball to pass freely – no obstructions.



889-45PM

PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
889-45PM	889-45AM	3" spigot, flush to floor	B*	20	20
889-45PMPK	889-45AMPK	3" spigot, flush to floor	C*	10	10
889-45PMPK2	889-45AMPK2	3" spigot, flush to floor	C*	6	6



Cast Iron Closet Flange

- Fits over 4" cast iron DWV pipe
- Easy compression installation with neoprene gasket
- Perfect for retrofit or remodel applications
- Integral neoprene cover/cap removes with utility knife after test



890-i42

Item No	Connection	Pkg	Min Qty	Case Qty
890-i42B	4" cast iron compression connection	B	500	500
890-i42	4" cast iron compression connection	B*	4	4

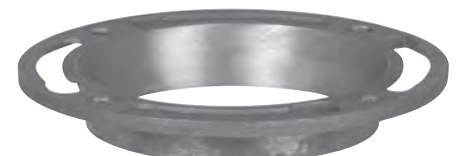


Brass Closet Flange Ring

- Solid brass
- For use with lead pipe
- Deep seal model provides more surface area for better joint



890-4BPK



890-4BDPK

Item No	Description	Pkg	Min Qty	Case Qty
890-4BPK	Brass closet flange ring	C*	10	10
890-4BDPK	Deep seal brass closet flange ring	C*	10	10



886-MR

Ringer™

Stainless Steel Closet Ring

- Stainless steel ring is corrosion-resistant
- Perfect for repairs to damaged closet flanges, or new concrete floor installations
- Fits securely over damaged flanges



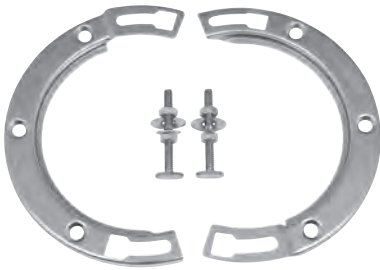
Hanger card packaging for counter areas.

Item No	Description	Pkg	Min Qty	Case Qty
886-MR	Stainless steel closet ring	C*	20	20
886-MRPK	Stainless steel closet ring	B*	10	10

Closet Flange Repair Ring

Patent #6,026,521

- Two-piece, “Moss Bay” design for replacing broken or rusted swivel rings without removing flange
- Includes two-piece galvanized ring, closet bolts, nuts and washers



886-MRM



Hanger card packaging for counter areas.

Item No	Description	Pkg	Min Qty	Case Qty
886-MRM	Two-piece flange repair ring kit, 1/card	C*	8	8

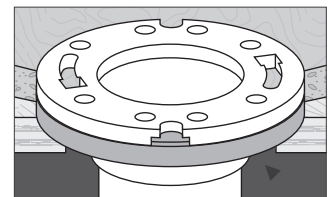


886-ER

Quick Spacer™

Closet Flange Spacer Ring

- Fits under most closet flanges
- Each ring raises the flange 3/4" off the floor
- Use multiple rings for additional height



Fits under most closet flanges and stops lightweight concrete pours from running under the flange.

Item No	Description	Pkg	Min Qty	Case Qty
886-ER	3/4" closet flange spacer ring	B	25	25

Raise-A-Ring™

Closet Flange Extension Ring

- Build up existing flange when added subfloor, tile, etc., leaves flange at or below floor level
- Stack rings for additional height



Hanger card packaging for counter areas.



886-R



886-RQ

Item No	Description	Pkg	Min Qty	Case Qty
886-R	7/16"-thick flange extension ring, carded	C*	20	20
886-411	Raise-A-Ring Kit: One 886-R ring with closet bolts and two shims, bagged	C*	20	20
886-RQ	1/4"-thick flange extension ring	C*	20	20
886-RQK	Raise-A-Ring Kit: Three 886-RQ rings with closet bolts, bagged	B*	25	25

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Urinal Flange Kit

- Unique inside fit connection allows pipe to be cut flush with finished wall
- Kit includes: stainless steel bolts, nuts, washers and gaskets
- Horizontal slots fit 3½" - 7" mounting centers



868-7P

PVC Item No	ABS Item No	Description	Pkg	Min Qty	Case Qty
868-5P	868-5A	2" hub connection urinal flange kit	B*	10	10
868-9P	868-9A	2" spigot connection urinal flange kit	B*	10	10
868-7P	868-7A	2" inside-fit connection urinal flange kit	B*	10	10



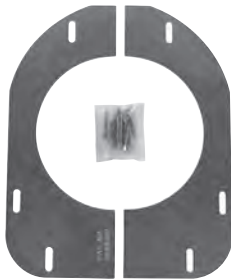
490-11320

Save-A-Flange™

Closet Flange Repair Kit

- Repairs broken closet flanges
- 1/8" stamped, zinc-plated steel
- Kit includes: repair bar, screws, anchors, spacer washer, and instruction sheet

Item No	Description	Pkg	Min Qty	Case Qty
490-11320	Closet flange repair kit	C*	1	10



490-11322

Closet Flange Floor Support

- Repairs and replaces rotted-out flooring around closet flanges
- Two-piece, 18-gauge, zinc-plated plates
- Pre-slotted and furnished with mounting screws

Item No	Description	Pkg	Min Qty	Case Qty
490-11322	Floor flange support for closet flange, 1/bag	C*	1	10



BACKWATER VALVES

PROCHECK™

STANDARD BACKWATER VALVES

BACKUP FLOAT VALVES



ProCheck™

Backwater Valve

Versatile

ProCheck™ backwater valves can be installed in either shallow or deep-bury installations. All that is needed to convert a standard valve to deep-bury is a single adapter kit. This means that a contractor can buy and stock one type of valve and be confident of having the right part for either application.

Simple

The modular design of the 3" and 4" valves makes for many interchangeable accessories. The valve lid, access sleeve, sleeve collar, sleeve lid and deep-bury adapter kit will all fit both 3" and 4" valves. The contractor can buy and carry fewer items while still having all the necessary accessories.

Durable

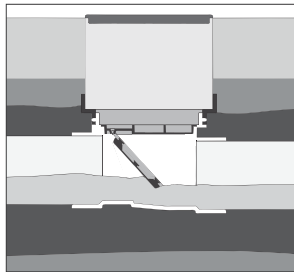
ProCheck backwater valves are designed to take the abuse of a typical ground-rough job site. We use specially formulated, engineered resins to mold the valves in our on-site injection presses, right here in the USA.

Dependable

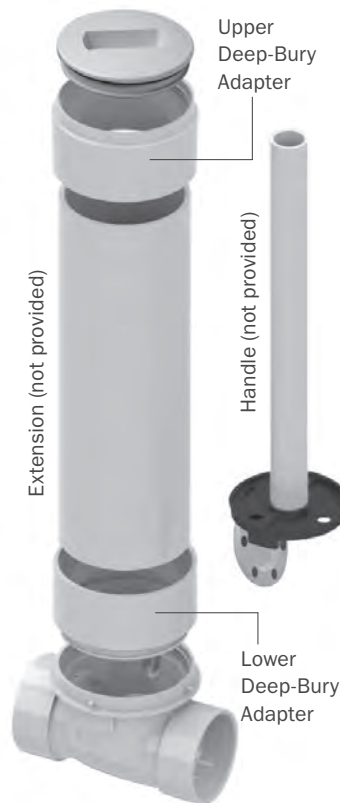
The ProCheck's integrally molded sealing surface on the face of the flapper seals watertight, even at lower backpressure when many o-ring type flappers can leak, leaving property vulnerable to sewer backup.



(optional shallow access sleeve kit)



When the backwater valve is located within "arm's reach," the ProCheck can be used with the optional Shallow Access Sleeve Kit. This kit includes the sleeve collar, 16" long access sleeve and sleeve lid. The valve itself is sealed with the threaded valve lid and the access sleeve is used to provide access to the valve/flapper after installation.

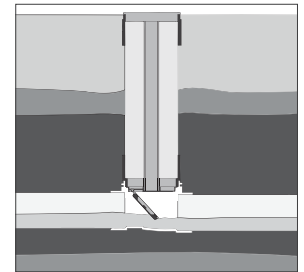


Extension (not provided)

Upper Deep-Bury Adapter

Handle (not provided)

Lower Deep-Bury Adapter



When the backwater valve is installed too deeply to be reached by hand, the ProCheck can be easily converted to a "deep-bury" fixture. Using the Deep-Bury adapters, 6" Sch. 40 pipe is used to bring the point of access to ground level. A handle made from 1-1/2" Sch. 40 pipe is used to retrieve and replace the flapper for inspection or maintenance.

ProCheck™

Backwater Valve

- Available for 3" or 4" Sch. 40 DWV lines.
- Valves can be adapted for standard, shallow-depth or deep-bury installations
- Modular valve design allows for interchangeable accessories – less inventory
- Structurally rugged and molded from engineered resins to stand up to job site abuse
- The unique flapper creates a tighter seal than other backwater valves



Different-sized tabs in the carrier will only fit into the valve body when correctly aligned, which helps prevent improper installation of the flapper.



The HDPE valve lid is impact-resistant and impervious to most solvents and glues. The notch is sized to fit the end of a 2x4 for easier removal and replacement.



The unique flapper uses overmolding techniques to provide a larger and more permanent sealing surface than a typical o-ring.



869-S3P



869-S3AS



869-S4PDB

SUPPLY

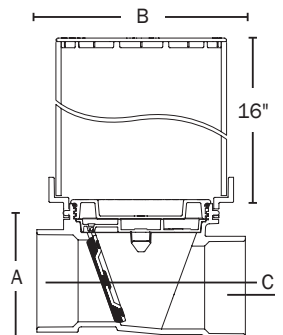
DRAINAGE

SUPPORT

APPENDIX

Item No	Description	Dimensions			U/M	Pkg	Min Qty	Case Qty
		A	B	C				
869-S3A	3" ABS Backwater Valve	5½"	8⅝"	¼"	EA	B*	4	4
869-S3APK	3" ABS Backwater Valve	5½"	8⅝"	¼"	EA	C*	2	2
869-S3AS	3" ABS Backwater Valve with 16" Shallow Access Sleeve Kit	5½"	8⅝"	¼"	EA	B*	1	1
869-S3P	3" PVC Backwater Valve	5½"	8⅝"	¼"	EA	B*	4	4
869-S3PPK	3" PVC Backwater Valve	5½"	8⅝"	¼"	EA	C*	2	2
869-S3PS	3" PVC Backwater Valve with 16" Shallow Access Sleeve Kit	5½"	8⅝"	¼"	EA	B*	1	1
869-S4A	4" ABS Backwater Valve	6½"	10⅞"	⅜"	EA	B*	4	4
869-S4APK	4" ABS Backwater Valve	6½"	10⅞"	⅜"	EA	C*	2	2
869-S4AS	4" ABS Backwater Valve with 16" Shallow Access Sleeve Kit	6½"	10⅞"	⅜"	EA	B*	1	1
869-S4P	4" PVC Backwater Valve	6½"	10⅞"	⅜"	EA	B*	4	4
869-S4PPK	4" PVC Backwater Valve	6½"	10⅞"	⅜"	EA	C*	2	2
869-S4PS	4" PVC Backwater Valve with 16" Shallow Access Sleeve Kit	6½"	10⅞"	⅜"	EA	B*	1	1
ACCESSORIES & REPLACEMENT PARTS								
869-S4ADB	Upper & Lower Deep-Bury Adapters – ABS†				EA	B*	1	1
869-S4PDB	Upper & Lower Deep-Bury Adapters – PVC†				EA	B*	1	1
869-SF3	Flapper & Carrier for 3" Backwater Valve				EA	B*	10	10
869-SF4	Flapper & Carrier for 4" Backwater Valve				EA	B*	10	10
869-SSL	Turn-Lock Collar & Lid for 16" Shallow Access Sleeve				EA	B*	4	4
869-SSK	Shallow Access Sleeve Kit – Collar/Sleeve/Lid				EA	B*	10	10
869-SVLB	Threaded Lid for Backwater Valve, Black W/ O-Ring				EA	B*	10	10
869-SVLW	Threaded Lid for Backwater Valve, White W/ O-Ring				EA	B*	10	10

† For use with 3" or 4" backwater valves purchased separately





869-6P

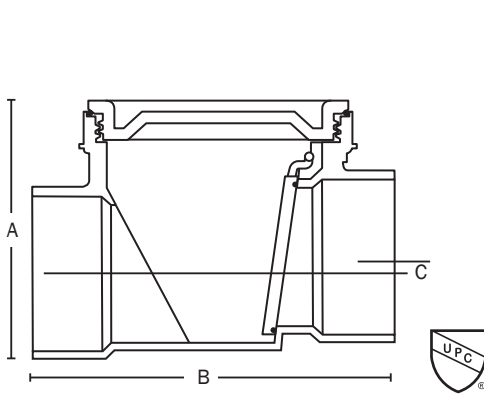


869-2P

DWV Backwater Valve

PVC or ABS Solvent Weld Connection

- Threaded access seals hand-tight and allows for easy maintenance and inspection
- 6" backwater valve extensions – use 10" Sch. 40 pipe (not included)
- For GRAVITY FLOW applications only
- Do not install vertically
- UPC/IAPMO listed



Item No	Description	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
869-2P	2" PVC valve	4 $\frac{1}{8}$ "	5 $\frac{1}{8}$ "	$\frac{1}{4}$ "	B	1	8
869-2A	2" ABS valve	4 $\frac{1}{8}$ "	5 $\frac{1}{8}$ "	$\frac{1}{4}$ "	B	1	8
869-6P	6" PVC valve	9 $\frac{3}{4}$ "	15 $\frac{3}{8}$ "	$\frac{3}{8}$ "	B	1	1
869-6A	6" ABS valve	9 $\frac{3}{4}$ "	15 $\frac{3}{8}$ "	$\frac{3}{8}$ "	B	1	1
REPLACEMENT PARTS							
869-23	Extension sleeve kit for 2" valve includes sleeve, locking collar and lid				B	1	1
869-6A1	6" black ABS threaded lid				B	1	2
869-6P1	6" white PVC threaded lid				B	1	2
869-60	O-ring for 6" threaded lid				B	1	10
869-61	Flapper and o-ring for 6" valve				B	1	10
869-63	Extension sleeve lid for 6" valve				B	1	15

Backup Float Valve

- Insert valve into pipe below drain and tighten screws



803-2PK2

Item No	Description	Pkg	Min Qty	Case Qty
803-2PK2	2" Backup float valve, bagged	C*	12	12
803-3PK2	3" Backup float valve, bagged	C*	12	12
803-4PK2	4" Backup float valve, bagged	C*	12	12



AIR ADMITTANCE VALVES

TURBOVENT™

ACCESSORIES



Internal mechanism



Dual-fit adapter



1.5" CONNECTION



2" CONNECTION

TurboVent™

Air Admittance Valve

Self-Cleaning

The TurboVent™ Air Admittance Valve (AAV) is the only AAV on the market with a self-cleaning internal mechanism. Each time the valve activates to allow air into the DWV system, the mechanism spins. This spinning moves and scours the sealing surface, which ensures a good seal with each activation.

Installation Savings

Compared to traditional plumbing vent installations that penetrate through the roof, using the TurboVent AAV reduces labor and material costs. Additionally, fewer roof penetrations mean fewer potential roof leaks.

Engineered Performance

The open vent design enables the valve mechanism to quickly respond when activated, letting air into the DWV system and preventing sewer gas from entering the living area.

The dual fit 1-1/2" to 2" Hub x 2" FIP combination adapter is designed to glue over 1-1/2" or 2" pipe and conforms to national and local code standards for proper DWV fitting installations.

Single Sealing Surface

Compared to other AAVs, the TurboVent has a single sealing surface instead of a dual sealing surface, making the TurboVent less likely to fail.

Sizing

TurboVent AAVs are sized to accommodate common **Drainage Fixture Unit (DFU)** requirements as marked on the top of each unit and listed on our buying information table. The TurboVent can be used in branch or stack venting applications.

Be sure to verify that the application is consistent with minimum standards for piping installations and drainage output of the appliance or fixture to be vented. Consult all local codes prior to installation.

Tested & Certified

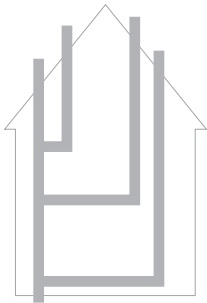
- Certified by ASSE to 1050 and 1051
- Listed by IAPMO (classified listing)
- Conforms to ASTM D2661 / D2665 / F409 for packages with drainage adapters
- Meets requirements of:
 - International Plumbing Code (IPC) 2009 917.1
 - International Residential Code (IRC) 2009
 - Uniform Plumbing Code (UPC) 2009 Section 301.2
 - State of Wisconsin



1050/1051

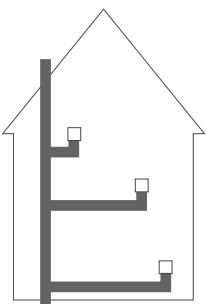


Traditional Venting



A network of DWV pipes, fittings and hangers are used to vent every fixture or group of fixtures throughout a building. Vent pipes penetrate the roof in multiple locations to vent sewer gases, maintain trap seals and prevent pressure fluctuations.

TurboVenting



Using a TurboVent on individual fixtures or groups of fixtures saves on costly labor and extra materials, with no sacrifice to the functioning of the drain, waste and venting system.

TurboVent™

Air Admittance Valve

- Actuating device within the unit spins with each activation, keeping the seal free of dust and debris
- Quick opening air valve at 0.01" negative pressure. Positive seal with 13 PSIG of back-pressure
- Each unit is available with DWV adapter
- Protective debris cover ships with each unit
- New contractor packs available



250-122PB



250-12A


[CLICK FOR SUBMITTAL](#)

The Ox Box provides a clean, professional looking way to access the TurboVent, while the louvered cover provides the perfect finished look.

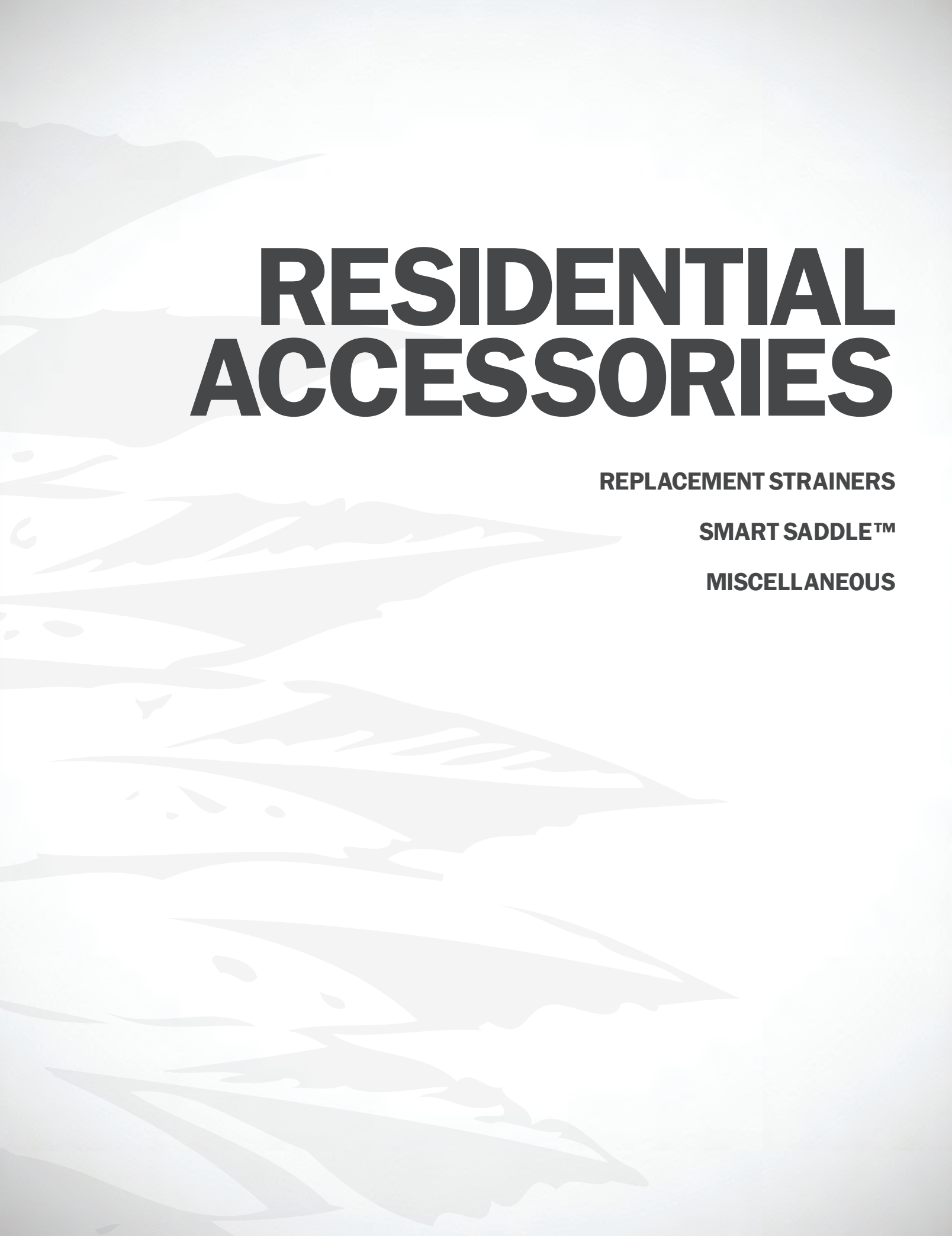
Item No	Description	Sch. 40 Hub Connection	Max DFUs		Pkg	Min Qty	Case Qty
			Stack	Branch			
TURBOVENT LESS ADAPTER							
250-11	TurboVent only – 1½" MIP thread – contractor pack 6/bag	–	8	20	B	1	4
250-12	TurboVent only – 2" MIP thread – contractor pack 6/bag	–	24	160	B	1	4
PVC							
250-11P	TurboVent with adapter – individually boxed	1½"	8	20	B*	1	6
250-11PC	TurboVent with adapter – contractor pack 6/bag	1½"	8	20	B	1	8
250-11TW	TurboVent with adapter & tubular waste arm extension	1½"	8	20	C*	1	6
250-12P	TurboVent with adapter – individually boxed	2"	24	160	B*	1	6
250-12PC	TurboVent with adapter – contractor pack 6/bag	2"	24	160	B	1	8
250-122PB	TurboVent with dual fit adapter – bulk	1½"-2"	8/24 ¹	20/160 ²	B*	50	50
250-122PC	TurboVent with dual fit adapter – contractor pack 6/bag	1½"-2"	8/24 ¹	20/160 ²	B	1	8
250-696122P	TurboVent with dual fit adapter & Ox Box kit ³	1½"-2"	8/24 ¹	20/160 ²	B*	1	6
250-696R122P	TurboVent with dual fit adapter & fire rated Ox Box kit ³	1½"-2"	8/24 ¹	20/160 ²	B*	1	6
696-11P	TurboVent with adapter & Ox Box kit ³	1½"	8	20	B*	1	6
696-12P	TurboVent with adapter & Ox Box kit ³	2"	24	160	B*	1	6
ABS							
250-11A	TurboVent with adapter – individually boxed	1½"	8	20	B*	1	6
250-11AC	TurboVent with adapter – contractor pack 6/bag	1½"	8	20	B	1	8
250-12A	TurboVent with adapter – individually boxed	2"	24	160	B*	1	6
250-12AC	TurboVent with adapter – contractor pack 6/bag	2"	24	160	B	1	8
250-122AB	TurboVent with dual fit adapter – bulk	1½"-2"	8/24 ¹	20/160 ²	B*	50	50
250-122AC	TurboVent with dual fit adapter – contractor pack 6/bag	1½"-2"	8/24 ¹	20/160 ²	B	1	8
250-11TB	TurboVent with adapter & tubular waste arm extension	1½"	8	20	C*	1	6
250-696122A	TurboVent with dual fit adapter & Ox Box kit ³	1½"-2"	8/24 ¹	20/160 ²	B*	1	6
250-696R122A	TurboVent with dual fit adapter & fire rated Ox Box kit ³	1½"-2"	8/24 ¹	20/160 ²	B*	1	6
696-11A	TurboVent with adapter & Ox Box kit ³	1½"	8	20	B*	1	6
696-12A	TurboVent with adapter & Ox Box kit ³	2"	24	160	B*	1	6
ACCESSORIES							
696-7	Ox Box – single box with hole for 2" Sch. 40 pipe				B	10	10
696-1F	Single frame for Ox Box				B	10	10
696-LC	Louvered cover				B	10	10
842-712A	ABS 1½"-2" hub × 2" FIP dual fit adapter				B	10	10
842-712P	PVC 1½"-2" hub × 2" FIP dual fit adapter				B	10	10

¹ 8 DFU when on 1-1/2" pipe, 24 DFU when on 2" pipe

² 20 DFU when on 1-1/2" pipe, 160 DFU when on 2" pipe

³ Kit includes Ox Box, frame, and louvered cover



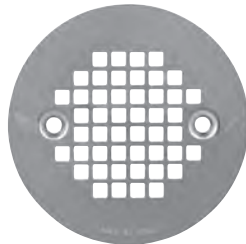


RESIDENTIAL ACCESSORIES

REPLACEMENT STRAINERS

SMART SADDLE™

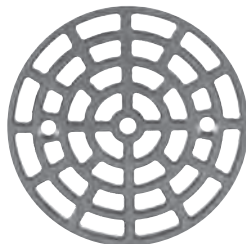
MISCELLANEOUS



821-2S



827-2S



821-2SN



821-2SRBQ

Replacement Strainers for Drains

Fits: 821 Series, 825 Series, 827 Series, 828 Series, 829 Series, 840 Series

Item No	Finish	Diameter	Free Area (in ²)	Screw Centers	Pkg	Min Qty	Case Qty
19 GAUGE STRAINER WITH SCREWS							
821-2S	Stainless steel	4¼"	2.95	2⅝"	B*	1	100
821-2SP	PVD brass	4¼"	2.95	2⅝"	B*	1	100
821-2SW	White enamel	4¼"	2.95	2⅝"	B*	1	100
821-2RB	Oil-rubbed bronze	4¼"	2.95	2⅝"	B*	1	100
825-2SN	Satin finish	4¼"	2.95	2⅝"	B*	1	100
821-2SPK1	Stainless steel	4¼"	2.95	2⅝"	C*	10	10
19 GAUGE STRAINER WITH SNAP-IN FINGERS							
827-2S	Stainless steel	4¼"	2.95	—	B*	1	100
827-2SP	PVD brass	4¼"	2.95	—	B*	1	100
827-2RB	Oil-rubbed bronze	4¼"	2.95	—	B*	1	100
827-2SN	Satin finish	4¼"	2.95	—	B*	1	100
827-2SPK1	Stainless steel	4¼"	2.95	—	C*	10	10
827-2SPPK1	PVD brass	4¼"	2.95	—	C*	10	10
827-2SWPK1	White enamel	4¼"	2.95	—	C*	6	6
827-2RBPK1	Oil-rubbed bronze	4¼"	2.95	—	C*	6	6
827-2SNPK1	Satin finish	4¼"	2.95	—	C*	6	6
CAST STRAINER WITH SCREWS							
821-2SN	Nickel bronze, round	4"	4.5	2⅝"	B*	1	10
821-2SRB	Oil-rubbed bronze, round	4"	4.5	2⅝"	B*	1	10
821-2SS	304 stainless, round	4"	4.5	2⅝"	B*	1	10
CAST RING & STRAINER WITH SCREWS							
821-2SNRPK1	Nickel bronze, round	4½"	4.5	2⅝"	C*	6	6
821-2SNQ	Nickel bronze, square	4½"	7.6	2⅝"	B*	1	10
821-2SRBRPK1	Oil-rubbed bronze, round	4½"	4.5	2⅝"	C*	6	6
821-2SRBQ	Oil-rubbed bronze, square	4½"	7.6	2⅝"	B*	1	10
821-2SSR	304 stainless, round	4½"	4.5	2⅝"	B*	1	10
821-2SSQ	304 stainless, square	4½"	7.6	2⅝"	B*	1	10
821-2SCR	Polished stainless, round	4½"	4.5	2⅝"	B*	1	10
821-2SCQ	Polished stainless, square	4½"	4.5	2⅝"	B*	1	10

Replacement Strainers for Drains

Fits: 826 Series



826-2S

Item No	Finish	Diameter	Free Area (in ²)	Pkg	Min Qty	Case Qty
18 GAUGE STRAINER WITH SNAP-IN FINGERS						
826-2S	Stainless steel	4¼"	3.38	B	1	100
826-2SP	Polished brass	4¼"	3.38	B	1	100

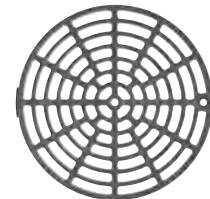
Replacement Strainers for Drains

Fits: Weld One™, Quad Drain™

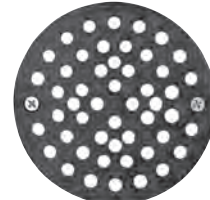
Item No	Color	Diameter	Free Area (in ²)	Thickness	Screw Centers	Pkg	Min Qty	Case Qty
NEW PATTERN POLYPRO STRAINER FOR WELD ONE & QUAD DRAIN								
801-P2	White	6½"	14.25	7/16"	—	B*	1	25
801-P2PK†	White	6½"	14.25	7/16"	—	B*	10	10
801-A2	Black	6½"	14.25	7/16"	—	B*	1	25
801-A2PK†	Black	6½"	14.25	7/16"	—	B*	10	10
801-PG2	Gray	6½"	14.25	7/16"	—	B*	1	25
801-PG2PK†	Gray	6½"	14.25	7/16"	—	B*	10	10
OLD PATTERN POLYPRO STRAINER FOR WELD ONE & QUAD DRAIN								
801-P	White	6¾"	6.6	¾"	5½"	B*	1	25
801-PPK†	White	6¾"	6.6	¾"	5½"	C*	10	10
801-A	Black	6¾"	6.6	¾"	5½"	B*	1	25
801-APK†	Black	6¾"	6.6	¾"	5½"	C*	10	10

† Screws not included

Item No	Material	Shape	Diameter	Free Area (in ²)	Thickness	Screw Centers	Pkg	Min Qty	Case Qty
METAL RING & STRAINER FOR WELD ONE & QUAD DRAIN									
801-NR2	Ni-brnz	Round	6½"	11.75	3/16"	47/8"	B*	1	10
801-NQ2	Ni-brnz	Square	7"	16.4	3/16"	47/8"	B*	1	10
801-SR2	304 Stainless	Round	6½"	11.75	3/16"	47/8"	B*	1	10
801-SQ2	304 Stainless	Square	7"	16.4	3/16"	47/8"	B*	1	10
801-DR2	Ductile iron	Round	6½"	13.25	3/16"	47/8"	B*	1	10



801-PG2



801-A

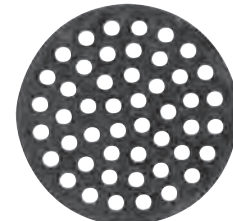


801-DR2

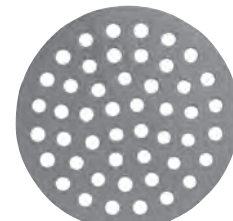
Replacement Strainers for Drains

Fits: Pittsburgh Style Drain
St. Louis Style Drain
Philadelphia Style Vent Cap

Item No	Material	Diameter	Free Area (in ²)	Thickness	Pkg	Min Qty	Case Qty
PITTSBURGH STYLE DRAIN STRAINER							
844-S4	Epoxy-coated cast iron	6¾"	7.13	¾"	B*	1	10
ST. LOUIS STYLE DRAIN STRAINER							
844-02G	Epoxy-coated cast iron	47/16"	4.54	¾"	B*	1	10
844-0G	Epoxy-coated cast iron	6¾"	6.50	¾"	B*	1	10
844-04G	Epoxy-coated cast iron	85/8"	11.00	¾"	B*	1	10
PHILADELPHIA STYLE VENT CAP							
869-SV4	Epoxy-coated with set screw	6"	—	11/16"	B*	10	10



844-S4



844-02G



869-SV4

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



846-S7PK

Cast Iron Strainer

General Purpose

- Cast iron strainers are ¼" thick and epoxy-coated for corrosion-resistance

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Diameter	Pkg	Min Qty	Case Qty
846-S1PK	4 ³ / ₈ "	C*	3	3
846-S3PK	5"	C*	3	3
846-S5PK	6"	C*	3	3
846-S7PK	6 ¹ / ₄ "	C*	3	3
846-S9PK	6 ¹ / ₂ "	C*	3	3
846-S11PK	6 ⁵ / ₈ "	C*	3	3
846-S13PK	6 ⁷ / ₈ "	C*	3	3
846-S15PK	7"	C*	3	3
846-S17PK	8"	C*	3	3
846-S19PK	8 ⁷ / ₈ "	C*	3	3

Replacement Strainers for Drains

Fits: 866 Series Bell Trap Drains



866-2S



866-S3i

Item No	Material	Drain Top Dimension	Strainer Diameter	Thickness	Pkg	Min Qty	Case Qty
866-2S	PVC	6"	4 ⁹ / ₁₆ "	3/8"	B*	1	20
866-3S	PVC	9"	7 ³ / ₄ "	3/8"	B*	1	20
866-S2i	Cast iron	6"	4 ⁷ / ₈ "	1/8"	B*	2	2
866-S3i	Cast iron	9"	6 ³ / ₄ "	5/16"	B*	2	2
866-2SPK	PVC	6"	4 ⁹ / ₁₆ "	3/8"	C*	5	5

Pipe Bore Adapter

- Extruded flexible PVC adapter connects any 6" nominal bore to 4" iron or plastic pipe



880

SUPPLY

DRAINAGE

SUPPORT

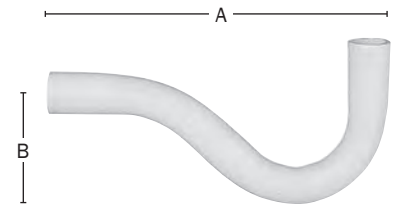
APPENDIX

Item No	Description	Pkg	Min Qty	Case Qty
880	4" to 6" rolling o-ring adapter	B	25	25

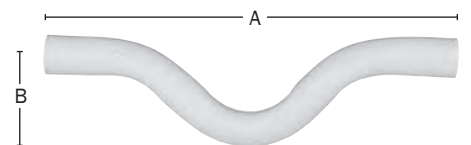
Condensate Trap

P Trap or Running Trap

- One piece ¾" Sch. 40 PVC trap saves fittings and job costs when trapping condensate lines



867-30



867-35

Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
867-30	P trap	8"	2½"	B	50	50
867-35	Running trap	10¾"	2"	B	25	25
867-30PK	P trap	8"	2½"	C*	25	25
867-35PK	Running trap	10¾"	2"	C*	25	25

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



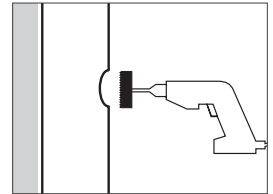
891-0312P

Smart Saddle™

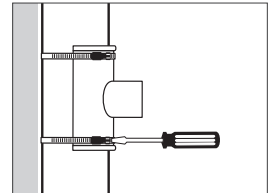
DWV Saddle Tee Fitting

- Compact design is perfect when DWV stacks are close to walls or other obstructions
- Stainless steel bands take up less room than V-bolts or U-bolts and provide even torque, eliminating stress points which can damage pipe and create a poor seal
- Corrosion-resistant

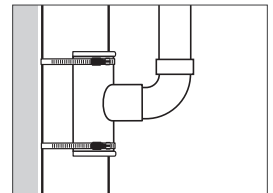
Cut a hole in stack that matches the I.D. of the inlet branch I.D. on the Smart Saddle™.



Apply glue (or silicone for cast iron stacks), align holes on stack and inlet branch, and install stainless steel bands.



Glue appropriate pipe or fitting to the inlet branch.



PVC Item No	ABS Item No	Trunk	Inlet Branch	Pkg	Min Qty	Case Qty
891-0312P	891-0312A	3" Sch. 40 trunk	1½" hub × 2" spigot	C*	5	5
891-033P	—	3" Sch. 40 trunk	3" hub × 4" inside fit	C*	5	5
891-0412P	891-0412A	4" Sch. 40 trunk	1½" hub × 2" spigot	C*	5	5
891-043P	—	4" Sch. 40 trunk	3" hub × 4" inside fit	C*	5	5
891-044P	—	4" Sch. 40 trunk	4" hub	C*	5	5



TESTING

TEST DEVICES

- Test Titan™
- T-Cone™
- Hand Tite™
- Tee Pee™
- Inflatable Test Tee Plug
- Inflatable Test Plug
- Grip Tip™
- Miscellaneous Plugs/Caps

GAUGES & ACCESSORIES

- Pressure Gauges
- Test Assemblies
- Hand Pump



Test Titan™
Mechanical Test Plug
p 408



T-Cone™
Expandable Pipe Plug
p 409



Tee Pee™
Mechanical Test Tool
p 410



Inflatable Test Tee Plug
p 411



Inflatable Test Plug
p 411



Grip Tip™
Test Plug/Test Cap
p 412



Flexible PVC Test Cap
p 413



Knockout Test Plug & Cap
p 413



Quick Plug™
Trap Adapter Test Plug
p 413



Pressure Gauges
p 416



Test Assemblies
p 416



High-Pressure Hand Pump
p 416



TEST DEVICES

TEST TITAN™

T-CONE™

HAND TITE™

TEE PEE™

INFLATABLE TEST TEE PLUG

INFLATABLE TEST PLUG

GRIP TIP™

MISCELLANEOUS PLUGS/CAPS



882-3



882-3P



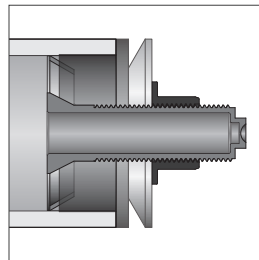
882-115

Fill & drain valve connects male garden hose thread to Test Titan stem. Fill through the stem and close valve to hold test. Attach hose and open valve for controlled drain-down.

Test Titan™

Mechanical Test Plug

- Proven performance, improved design
- For use in both pipe end and cleanout threads – size specific
- Hollow, male hose thread stem allows for fill/drain through the plug
- Non-slip shoulder prevents spinning
- 100% non-corrosive, strong and durable



Fill and drain the system through the Test Titan's™ hollow stem.



Use a 9/16" drill bit or cut off the tip with a hacksaw to access the hollow stem.



Stem thread is 3/4" male hose thread. Connects easily to a standard garden hose.



The Pneumatic Test Titan, with an integral brass air valve, makes air testing faster and easier. Stay clear of plug while under pressure.



Polypro wingnut, ABS disc and stem, soft PVC gasket – simple and durable.

Related Products

High-Pressure Hand Pump

p 414

Item No	Size	DWV Pipe	FIP Threads	Pkg	Min Qty	Case Qty
PIPE & CLEANOUT TEST PLUG						
882-1	1½"	✓	✓	C*	10	10
882-2	2"	✓	✓	C*	10	10
882-3	3"	✓	✓	C*	10	10
882-35	3½"		✓	C*	10	10
882-4	4"	✓		C*	10	10
882-41	4"		✓	C*	10	10
PNEUMATIC TEST PLUG WITH AIR VALVE						
882-1P	1½"	✓	✓	B	10	10
882-2P	2"	✓	✓	B	10	10
882-3P	3"	✓	✓	B	10	10
882-4P	4"	✓		B	10	10
ACCESSORIES						
882-115	Brass fill & drain valve – FSHT × FSHT			B	1	25

T-Cone™

Expandable Pipe Plug

- Easy to install and remove
- Tighten with a crescent wrench
- No metal parts to rust



882-ST302

Item No	Description	Plug Gasket O.D.	Pkg	Min Qty	Case Qty
SCH. 40 PIPE BARREL PLUG					
882-ST152	1½" raised-head pipe plug	1.61"	B	10	100
882-ST202	2" raised-head pipe plug	2.067"	B	10	100
882-CS202	2" flush-head pipe plug	2.067"	B	10	100
882-ST302	3" raised-head pipe plug	3.068"	B	10	100
882-CS302	3" flush-head pipe plug	3.068"	B	10	100
882-ST402	4" raised-head pipe plug	4.026"	B	10	100
882-CS402	4" flush-head pipe plug	4.026"	B	10	100
882-ST602	6" raised-head pipe plug	6.065"	B	10	10
882-ST802	8" raised-head pipe plug	7.981"	B	10	10
SCH. 40 HUB PLUG					
882-ST300	3" raised-head socket plug	3.50"	B	10	100
FIP CLEANOUT PLUG					
882-EB152	1½" raised-head cleanout plug	1.78"	B	10	100
882-EB220	2" raised-head cleanout plug	2.255"	B	10	100
882-EB320	3" raised-head cleanout plug	3.378"	B	10	100
882-EB350	3½" raised-head cleanout plug	3.85"	B	10	100
882-EB420	4" raised-head cleanout plug	4.336"	B	10	100

Hand Tite™

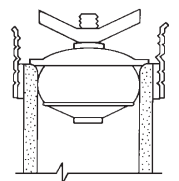
Mechanical Test Plug

- For 4" – 6" models, use ¾" male garden hose thread adapter and drill-out wall on stem for water or air by-pass tests
- For 8" model, tap stem ½" NPT and drill through bulk head to allow for water or air by-pass tests
- Nylon body and ASTM 361 rubber gasket



882-96

Item No	Description	Pkg	Min Qty	Case Qty
882-95	5" large diameter test plug	B	1	30
882-96	6" large diameter test plug	B	1	30
882-98	8" large diameter test plug	B	1	12



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

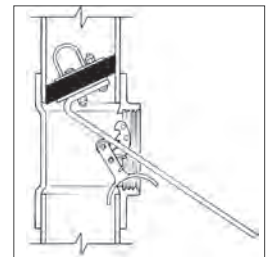


881-54

Tee Pee™

Mechanical Test Tool

- Designed to work on cast iron as well as plastic pipe waste systems
- No couplings to install and remove
- Perfect for high rise construction – will hold 14 floors of pressure
- Completely mechanical device – no air compressor/pump required
- Replacement seals available
- Not recommended for installations where temperatures are below 32°F
- 6" and 8" tools must be retrofitted with legs (included) for Charlotte pipe tees



Insert into pipe through test tee. Lock in place for test. When test is complete, release with no water spillage.



881-64

Item No	Description	Pkg	Min Qty	Case Qty
CLEANOUT TEE TEST TOOL				
881-52	2" mechanical test tool	B	1	5
881-53	3" mechanical test tool	B	1	5
881-54	4" mechanical test tool	B	1	1
881-56	6" mechanical test tool	B	1	1
881-58	8" mechanical test tool	B	1	1
881-510	10" mechanical test tool	B	1	1
WYE TEST TOOL				
881-63	3" wye mechanical test tool	B	1	1
881-64	4" wye mechanical test tool	B	1	1
881-66	6" wye mechanical test tool	B	1	1
PLUG REPLACEMENT SEAL				
881-01-2	2" plug replacement seal	B	5	5
881-01-3	3" plug replacement seal	B	5	5
881-01-4	4" plug replacement seal	B	5	5
881-01-6	6" plug replacement seal	B	1	5
881-01-8	8" plug replacement seal	B	2	2
881-01-10	10" plug replacement seal	B	1	1

Inflatable Test Tee Plug

- Threads into test tee for safety
- No test water backplash
- Seals the branch and run portions of the tee at the same time
- No need for thread sealant

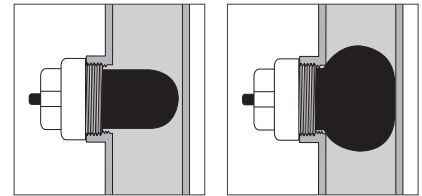


882-TT2

Related Products

High-Pressure Hand Pump p 414

Item No	Description	Inflation Pressure	Max Back Pressure	Pkg	Min Qty	Case Qty
882-TT2	2" inflatable plug	40 PSIG	5 PSIG air 30 ft. hd. water	B*	1	10
882-TT3	3" inflatable plug	40 PSIG	5 PSIG air 30 ft. hd. water	B*	1	1
882-TT4	4" inflatable plug	40 PSIG	5 PSIG air 30 ft. hd. water	B*	1	1



Insertion

Inflation and Use

Inflatable Test Plug

- Long and short models enable testing on any DWV system 1¼" – 6"
- Superior design – concave bottom increases contact area and reduces the likelihood of plug blowout
- Bell shaped ribs for superior seal, even if plug is installed at an angle
- Zinc-plated ring and durable cable for easy removal after deflation

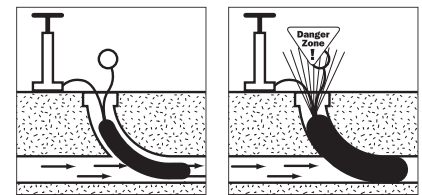


882-ES34

Related Products

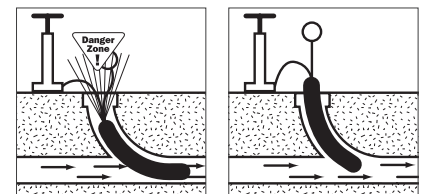
High-Pressure Hand Pump p 416

Item No	Description	Pipe Diameter	Inflation Pressure (PSIG)	Max Back Pressure	Pkg	Min Qty	Case Qty
SINGLE-STAGE PLUG							
882-ES12	1½"-2" × 5½" long	1.17" min 2.25" max	45	5 PSIG air 30 ft head water	B*	1	1
882-ES23	2"-3" × 5" long	1.75" min 3.25" max	45	5 PSIG air 30 ft head water	B*	1	1
882-ES34	3"-4" × 7¼" long	2.88" min 4.25" max	40	5 PSIG air 30 ft head water	B*	1	1
882-ES46	4"-6" × 10¼" long	3.77" min 6.25" max	35	5 PSIG air 30 ft head water	B*	1	1
DUAL-STAGE PLUG							
882-EL23	2"-3" × 22" long	1.75" min 3.25" max	45	10 PSIG air 30 ft head water	B*	1	1
882-EL34	3"-4" × 25" long	2.88" min 4.25" max	40	10 PSIG air 30 ft head water	B*	1	1
882-EL46	4"-6" × 29½" long	3.77" min 6.25" max	35	10 PSIG air 30 ft head water	B*	1	1



Insertion

Inflation & Use



Deflation

Removal

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



880-82



881-13



881-02H



881-02A

Always use a 5/8" poly ferrule (supplied) when attaching compression fittings to the Grip Tip™.



Remove Tip



Air Test



Water Test



Ground-Rough Head Tests



Saw Off Cap



Knock Out & Remove Plug

Grip Tip™

Test Cap & Test Plug

Patent # 6,769,291

- Tip acts as a handle while applying glue and can be snipped to allow filling and bleeding with water or air for testing
- Deeper glue surface ensures a good seal, especially on unevenly cut pipe
- Durable, ABS may be glued to pipe with all-purpose glue
- High-visibility models make installed plugs and caps easy to see for ensured removal
- Test nipple is 5/8" O.D. for connection to compression fittings



Caps and plugs are available in magenta (hot pink) for better visibility



Item No	Description	Color	Pkg	Min Qty	Case Qty
TEST CAP					
880-81	1½" test cap	white	B	25	200
880-82	2" test cap	white	B	25	100
880-83	3" test cap	white	B	10	50
880-84	4" test cap	white	B	10	50
880-81C	1½" test cap	magenta	B	25	200
880-82C	2" test cap	magenta	B	25	100
880-83C	3" test cap	magenta	B	10	50
880-84C	4" test cap	magenta	B	10	50
880-81PK	1½" test cap	white	C*	50	50
880-82PK	2" test cap	white	C*	50	50
880-83PK	3" test cap	white	C*	25	25
880-84PK	4" test cap	white	C*	25	25
TEST PLUG					
881-10	1½" test plug	white	C*	25	200
881-12	2" test plug	white	C*	25	100
881-13	3" test plug	white	C*	10	50
881-14	4" test plug	white	C*	10	50
881-10C	1½" test plug	magenta	C*	25	200
881-12C	2" test plug	magenta	C*	25	100
881-13C	3" test plug	magenta	C*	10	50
881-14C	4" test plug	magenta	C*	10	50
TESTING ACCESSORIES					
881-02A	Air test fitting, 15 PSI gauge 5/8" O.D. comp × air filler valve		B	1	10
881-02H	Water test valve 5/8" O.D. comp × female swivel hose thread		B	1	25
881-02FP	Replacement 5/8" poly ferrule		B	100	1000

Flexible PVC Test Cap

- Can be reused or permanent
- Stainless steel clamp



880-3

Item No	Description	Pkg	Min Qty	Case Qty
880-1	1½" flexible PVC test cap	B	25	25
880-2	2" flexible PVC test cap	B	25	25
880-3	3" flexible PVC test cap	B	25	25
880-4	4" flexible PVC test cap	B	25	25

Knockout Test Plug & Cap

- Standard knockout test plugs solvent weld into PVC or ABS Sch. 40 pipe
- Dual fit knockout test caps solvent weld over 1½" and 2", or 3" and 4" PVC or ABS Sch. 40 pipe



Suggested Product
Grip Tip test plug/cap *p 412*

Item No	Description	Pkg	Min Qty	Case Qty
STANDARD KNOCKOUT TEST PLUG				
881-1	1½" plug	B	100	1000
881-2	2" plug	B	100	1000
881-3	3" plug	B	50	500
881-4	4" plug	B	50	500
DUAL FIT KNOCKOUT TEST CAP				
880-012	1½" and 2" Sch. 40 cap	B	100	500
880-034	3" and 4" Sch. 40 cap	B	50	250



881-3



880-012

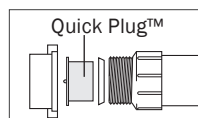
Quick Plug™

1½" Trap Adapter Test Plug

- Eliminates traditional test plugs
- Allows you to fit the trap adapter tightly against the wall for a clean, professional look
- Requires use of 1½" slip joint washer



234-QP



Works with any 1½" trap adapter. Allows installation of the trap adapter during rough-in. No more getting glue and cleaner inside the vanity.

Item No	Description	Pkg	Min Qty	Case Qty
234-QP	1½" trap adapter test plug	B	25	100



GAUGES & ACCESSORIES

PRESSURE GAUGES

TEST ASSEMBLIES

HAND PUMP

SUPPLY

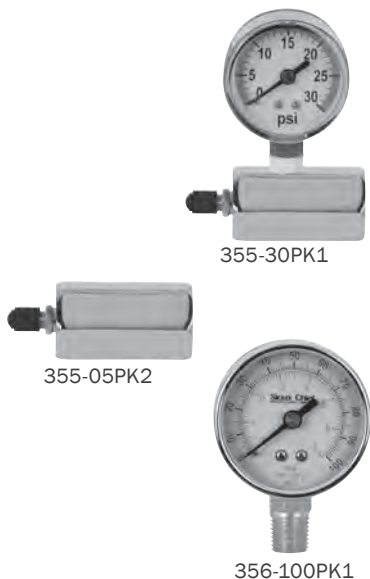
DRAINAGE

SUPPORT

APPENDIX

Pressure Gauges

- 2" diameter steel case
- WOG gauges have 1/4" MIP connection



Item No	Description	Pkg	Min Qty	Case Qty
GAS TEST GAUGE ASSEMBLY				
355-15PK1	0-15 lb. gas test fitting, 3/4" FIP connection, clamshell	C*	1	10
355-30PK1	0-30 lb. gas test fitting, 3/4" FIP connection, clamshell	C*	1	10
355-60PK1	0-60 lb. gas test fitting, 3/4" FIP connection, clamshell	C*	1	10
355-05PK2	Air valve fitting only, 3/4" FIP connection, clamshell	C*	1	10
WOG PRESSURE GAUGE				
360-15PK1	0-15 PSI pressure gauge 1/2 lb. grad, clamshell	C*	1	10
356-30PK1	0-30 PSI pressure gauge 1/2 lb. grad, clamshell	C*	1	10
356-60PK1	0-60 PSI pressure gauge 1 lb. grad, clamshell	C*	1	10
356-100PK1	0-100 PSI pressure gauge 1 lb. grad, clamshell	C*	1	10
356-160PK1	0-160 PSI pressure gauge 2 lb. grad, clamshell	C*	1	10
356-300PK1	0-300 PSI pressure gauge 10 lb. grad, clamshell	C*	1	10

Test Assemblies

Combination Air & Water

- 3/4" female hose swivel
- Schrader valve and 1/4-turn valve

Air Test Fitting

- 5/8" O.D. comp x Schrader valve

Water Pressure Test Fitting

- 3/4" brass female hose swivel connection
- Drag pointer indicator for overnight tests



Item No	Description	Pkg	Min Qty	Case Qty
882-105	300 PSI combination air and water test fitting	B	1	6
882-110	100 PSI air test fitting	B	1	6
360-300PK1	300 PSI water test gauge	B	1	10

High-Pressure Hand Pump

- Maximum pressure 160 PSI
- Various length inflation hoses available separately



Built-in pressure gauge.



Quick release nozzle head.



Item No	Description	Pkg	Min Qty	Case Qty
882-EHPG	High-pressure hand pump with pressure gauge	B*	1	1
882-EH24	2 ft. long - 1/4" I.D. inflation hose	B*	1	12
882-EH36	3 ft. long - 1/4" I.D. inflation hose	B*	1	12
882-EH60	5 ft. long - 1/4" I.D. inflation hose	B*	1	12

SUPPORT

SUPPLY HANGERS

Plastic CTS
Metal CTS / IPS
Anchors & Fasteners

DWV HANGERS

Extension Hangers
Hanger Straps
Ground Stakes

BRACKETS

Stub Out Brackets
Commercial Brackets
Accessories



“ When I hear the name Sioux Chief the word quality comes to mind, starting with the people and continuing with their products. The support system products, if it's the Suspensulator™, Pipe Eye™, Twin Talon™ or TouchDown™ clamps, the dependability and ease of installation are unsurpassed. ”

Johnny Mattingly
H & H Plumbing & Utilities, Inc.



SUPPLY HANGERS

PLASTIC CTS

Tube Hangers
CTS Isolators

METAL CTS/IPS

2-Hole Tube Straps
Drive Hooks
Wire Pipe Hooks

ANCHORS & FASTENERS

Anchor Screw Kits
Hardware
Stainless Steel Bands



Pick-Up Talon™
p 421



Tube Talon™
p 422



Twin Talon™
p 422



Sioux Strap™
p 423



PadLock™
p 423



Totem™
p 424



EZ Glide™ Tube Clamp
p 425



EZ Glide™ Suspension Clamp
p 425



EZ Glide™ Tube Insulator
p 426



Suspensulator™
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Pipe Eye™
p 427



BiFolator™
p 428



Main Block™
p 429



TouchDown™
p 430



TouchDown II™
p 431



TouchDown II™ Strut Clamp
p 432



2-Hole Tube Strap
p 433



Wire Pipe Hook
p 435



Hangs Tuff Jr.™
p 436



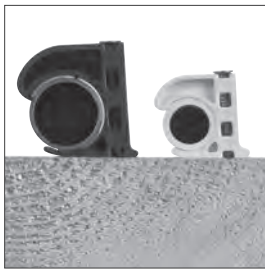
Anchor Screw Kit
p 437

Pick-Up Talon™

Isolating Drive Hook

Patent #7,207,530

- The most affordable solution to keeping tube off the mounting surface for a quiet system
- Installation is fast and easy; snaps onto tube with preloaded nails or screws
- Install in alternating directions to secure piping
- All models with screws feature self-drilling tips
- Compatible with copper, PEX and CPVC



Protects tube from abrasive mounting surface and eliminates ticking noises.



Snaps and rolls easily onto copper tube size (CTS) tubing.



Ivory colored models match CPVC tube.



556-3S



556-3C



556-2HSDR



556-2BK



Self-drilling tips on screws.



Item No.	Description	Pkg	Min Qty	Case Qty
BLACK				
556-1	3/8" CTS with nail	B	100	1000
556-1BK	3/8" CTS with nail, 2,300/bucket	B	1	1
556-1PK2	3/8" CTS with nail, 10/bag	C*	10	10
556-2	1/2" CTS with nail	B	100	1000
556-2BK	1/2" CTS with nail, 1,600/bucket	B	1	1
556-2HSDR	1/2" CTS with stainless steel hex screw	B	100	1000
556-2PK2	1/2" CTS with nail, 10/bag	C*	10	10
556-2PK3	1/2" CTS with nail, 100/bag	C*	1	10
556-2S	1/2" CTS with screw	B	100	1000
556-2SPK2	1/2" CTS with screw, 10/bag	C*	10	10
556-3	3/4" CTS with nail	B	100	1000
556-3BK	3/4" CTS with nail, 800/bucket	B	1	1
556-3HSDR	3/4" CTS with stainless steel hex screw	B	100	1000
556-3PK2	3/4" CTS with nail, 10/bag	C*	10	10
556-3PK3	3/4" CTS with nail, 100/bag	C*	1	10
556-3S	3/4" CTS with screw	B	100	1000
556-3SPK2	3/4" CTS with screw, 10/bag	C*	10	10
556-4	1" CTS with nail	B	50	500
556-4BK	1" CTS with nail, 400/bucket	B	1	1
556-4PK2	1" CTS with nail, 10/bag	C*	10	10
556-4PK3	1" CTS with nail, 50/bag	C*	1	10
556-5	1-1/4" CTS with nail, 25/bag	B	25	250
IVORY				
556-1C	3/8" CTS with nail	B	100	1000
556-2C	1/2" CTS with nail	B	100	1000
556-2CBK	1/2" CTS with nail, 1,600/bucket	B	1	1
556-2CPK4	1/2" CTS with nail, 10/bag, 20 bags/box	D*	1	1
556-3C	3/4" CTS with nail	B	100	1000
556-3CBK	3/4" CTS with nail, 800/bucket	B	1	1
556-3CPK4	3/4" CTS with nail, 10/bag, 15 bags/box	D*	1	1
556-4C	1" CTS with nail	B	50	500
556-4CBK	1" CTS with nail, 400/bucket	B	1	1
556-5C	1-1/4" CTS with nail, 25/bag	B	25	250

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



555-2



555-2BK

Tube Talon™

Drive Hook

- Preloaded ring-shank nails ensure a permanent hold
- Absorbs vibration
- Tube is not damaged if nail is overdriven
- For IPS piping (PVC and iron pipe) use next larger size Tube Talon
- Install in alternating directions to ensure secure piping
- Compatible with copper, PEX and CPVC



Item No.	Description	Pkg	Min Qty	Case Qty
555-1	3/8" CTS with nail	B	100	1000
555-2	1/2" CTS with nail	B	100	1000
555-2BK	1/2" CTS with nail, 1,800/bucket	B	1	1
555-3	3/4" CTS with nail	B	100	1000
555-3BK	3/4" CTS with nail, 1,000/bucket	B	1	1
555-4	1" CTS with nail	B	50	500
555-4BK	1" CTS with nail, 500/bucket	B	1	1



555-23S



555-23BK

Twin Talon™

Double-Duty Drive Hook

- 555-23 series affixes 1/2", 5/8" and 3/4" CTS nominal tube (copper or plastic) and 1/2" Sch. 40 IPS pipe (steel or plastic)
- Available with shorter nail for radiant heat, nail-up applications. 1 5/8" nail won't penetrate 3/4" floors
- Compatible with copper, PEX and CPVC



Item No.	Description	Pkg	Min Qty	Case Qty
555-23	1/2"-3/4" CTS with nail	B	100	1000
555-23BK	1/2"-3/4" CTS with nail, 850/bucket	B	1	1
555-23PK2	1/2"-3/4" CTS with nail, 10/bag	C*	10	10
555-23S	1/2"-3/4" CTS with screw	B	100	1000
555-623	1/2"-3/4" CTS with shorter 1 5/8" nail	B	100	1000
555-623PK2	1/2"-3/4" CTS with shorter 1 5/8" nail, 10/bag	C*	10	10
555-45	3/4" IPS-1 1/4" CTS with nail	B	25	100
555-45BK	3/4" IPS-1 1/4" CTS with nail, 350/bucket	B	1	1
555-45S	3/4" IPS-1 1/4" CTS with screw	B	25	100

Fingers grab and hold tube for "hands-free" installation.



Sioux Strap™

Tube Hanger

- Preloaded ring-shank nail ensures a permanent hold
- Provides 1/4" stand-off
- Snaps onto tube for “hands-free” installation
- Isolates tube from surface to reduce heat loss and noise transfer
- Allows tube to expand and contract
- Compatible with copper, PEX and CPVC



551-3

551-3C



551-2BK

Item No.	Description	Pkg	Min Qty	Case Qty
BLACK				
551-2	1/2" CTS with nail	B	100	1000
551-2PK2	1/2" CTS with nail, 10/bag	C*	20	20
551-2BK	1/2" CTS with nail, 1,000/bucket	B	1	1
551-2SPK2	1/2" CTS with screw, 20/bag	C*	10	10
551-3	3/4" CTS with nail	B	50	500
551-3PK2	3/4" CTS with nail, 10/bag	C*	20	20
551-3BK	3/4" CTS with nail, 600/bucket	B	1	1
551-3SPK2	3/4" CTS with screw, 20/bag	C*	10	10
551-4	1" CTS with nail	B	25	250
551-4PK2	1" CTS with nail, 10/bag	C*	20	20
551-4BK	1" CTS with nail, 350/bucket	B	1	1
IVORY				
551-2C	1/2" CTS with nail	B	100	1000
551-2CBK	1/2" CTS with nail, 1,000/bucket	B	1	1
551-3C	3/4" CTS with nail	B	50	500
551-3CBK	3/4" CTS with nail, 600/bucket	B	1	1
551-4C	1" CTS with nail	B	25	250
551-4CBK	1" CTS with nail, 350/bucket	B	1	1



SPEC SHEET

Insulates and isolates the tube from the mounting surface, reducing noise transfer and heat loss.

PadLock™

Tube Strap

- Nail or screw locks tube into hanger so there is no way for tube to escape
- Will not damage tube if nail or screw is over-driven
- Allows tube to expand and contract
- Isolates tube from surface to reduce heat loss and noise transfer
- Fits and fastens to the Grid Iron bracket (see p 465)
- Compatible with copper, PEX and CPVC



551-P2S

Item No.	Description	Pkg	Min Qty	Case Qty
551-P2	1/2" CTS with nail	B	100	1000
551-P2PK3	1/2" CTS with nail, 100/bag	C*	1	10
551-P2S	1/2" CTS with screw	B	100	1000
551-P3	3/4" CTS with nail	B	50	500
551-P3PK3	3/4" CTS with nail, 50/bag	C*	1	10
551-P3S	3/4" CTS with screw	B	50	500



SPEC SHEET

Fast installations. The PadLock snaps onto tube for “hands-free” installation.

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Totem™

Offset CTS Hanger

Patent #7,896,296

- Reduces callbacks caused by sheet-rock installers piercing the tube
- Provides 1" offset from mounting surface to bottom of tube
- Secures to surface in any position
- Unique V-shaped base easily adapts to engineered wood I-beam joists
- Locking finger holds pipe securely in place
- 100% corrosion proof, impact resistant
- Bulk ring-shank nails included (but not pre-loaded)
- Compatible with copper, PEX and CPVC



552-A2



552-B33



552-C23



Unique hanger base allows clamp to mount on flat surface or on edge of TJI joist.



Twin and stacked models simplify parallel runs while keeping the tubes off the mounting surface to reduce noise transfer.



Item No.	Description	Pkg	Min Qty	Case Qty
SINGLE OFFSET				
552-A2	1/2" CTS	B	50	500
552-A2PK2	1/2" CTS, 10/bag	C*	10	10
552-A3	3/4" CTS	B	50	500
552-A3PK2	3/4" CTS, 10/bag	C*	10	10
TWIN OFFSET				
552-B22	1/2" x 1/2" CTS	B	50	500
552-B22PK2	1/2" x 1/2" CTS, 10/bag	C*	10	10
552-B23	1/2" x 3/4" CTS	B	50	500
552-B33	3/4" x 3/4" CTS	B	50	500
552-B33PK2	3/4" x 3/4" CTS, 10/bag	C*	10	10
STACKED OFFSET				
552-C22	1/2" x 1/2" CTS	B	50	500
552-C22PK2	1/2" x 1/2" CTS, 10/bag	C*	10	10
552-C23	1/2" x 3/4" CTS	B	50	500
552-C33	3/4" x 3/4" CTS	B	50	500
552-C33PK2	3/4" x 3/4" CTS, 10/bag	C*	10	10



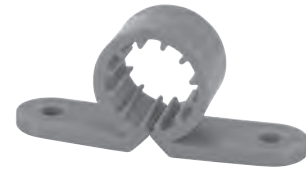
EZ Glide™ Tube Clamp

- Ribs allow pipe to glide easier and more quietly when the pipe expands and contracts
- V-shaped split design for easy installations
- Compatible with copper, PEX or CPVC
- Plenum Safe™ models meet ASTM E84 25/50 Flame/Smoke Spread and UL94 V-0 flame rating

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
559-2	½" CTS	B	100	1000
559-2PK2	½" CTS, 5/bag	C*	10	10
559-3	¾" CTS	B	50	1000
559-3PK2	¾" CTS, 5/bag	C*	10	10
559-4	1" CTS	B	50	500
559-4PK2	1" CTS, 5/bag	C*	10	10
559-5	1¼" CTS	B	25	250
559-5PK2	1¼" CTS, 5/bag	C*	10	10
559-6	1½" CTS	B	25	250
559-6PK2	1½" CTS, 5/bag	C*	10	10
559-7	2" CTS	B	25	250
559-7PK2	2" CTS, 5/bag	C*	10	10
PLENUM SAFE™				
559F2	E84 ½" CTS	B	100	1000
559F3	E84 ¾" CTS	B	50	500
559F4	E84 1" CTS	B	50	500
559F5	E84 1¼" CTS	B	10	10
559F6	E84 1½" CTS	B	10	10
559F7	E84 2" CTS	B	10	10



559-2



559F2



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

EZ Glide™ Suspension Clamp

- Identical features & benefits as EZ Glide Tube Clamp

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
557-2	½" CTS	B	100	1000
557-2PK2	½" CTS, 5/bag	C*	10	10
557-3	¾" CTS	B	100	1000
557-3PK2	¾" CTS, 5/bag	C*	10	10
557-4	1" CTS	B	50	500
557-4PK2	1" CTS, 5/bag	C*	10	10
557-5	1¼" CTS	B	25	250
557-5PK2	1¼" CTS, 5/bag	C*	10	10
557-6	1½" CTS	B	25	250
557-6PK2	1½" CTS, 5/bag	C*	10	10
557-7	2" CTS	B	25	250
557-7PK2	2" CTS, 5/bag	C*	10	10
PLENUM SAFE™				
557F2	E84 ½" CTS	B	100	1000
557F3	E84 ¾" CTS	B	50	500
557F4	E84 1" CTS	B	50	500
557F5	E84 1¼" CTS	B	10	10
557F6	E84 1½" CTS	B	10	10
557F7	E84 2" CTS	B	10	10



557-2



557F4





558-2

EZ Glide™ Tube Insulator

- Ribs allow pipe to glide easier and more quietly when the pipe expands and contracts
- Split design allows for use after piping run
- Fits both 1¹¹/₃₂" and 1³/₈" holes in metal or wood studs
- Compatible with copper, PEX or CPVC

Related Products
BiFolator

p 428



Item No.	Description	Pkg	Min Qty	Case Qty
558-2	1/2" CTS	B	50	500
558-2PK2	1/2" CTS, 5/bag	C*	10	10
558-3	3/4" CTS	B	50	500
558-3PK2	3/4" CTS, 5/bag	C*	10	10
558-4	1" CTS	B	25	250

Suspensulator™

Tube Suspension Clamp & Insulator

- Designed to work in both 1³/₈" and 1¹¹/₃₂" holes in wood or metal studs
- Side fins lock perfectly into I-joist knockout
- Split design allows for use after piping is run
- Durable, UV resistant, high-density polyethylene is 100% corrosion proof and reduces noise due to expansion and contraction in hot water lines
- Compatible with copper, PEX or CPVC



558-E2



Suspend



Insulate

Related Products

Pipe Eye Suspension Bracket

p 474



Item No.	Description	Pkg	Min Qty	Case Qty
558-E1	3/8" CTS, gray	B	50	500
558-E2	1/2" CTS, black	B	50	500
558-E2PK2	1/2" CTS, 5/bag	C*	10	10
558-E3	3/4" CTS, black	B	50	500
558-E3PK2	3/4" CTS, 5/bag	C*	10	10
558-E4	1" CTS, black	B	25	250
558-E4PK2	1" CTS, 5/bag	C*	10	10

Pipe Eye™

Metal Stud Insulator

- Fits 1¹¹/₃₂" holes in metal studs or brackets
- Split design. Offset hole for adjustable tube position
- Reduces noise caused by expansion and contraction
- Flame retardant models meet UL94 V-2 flame rating
- Plenum Safe™ models meet ASTM E84 25/50 Flame/Smoke Spread and UL94 V-0 flame rating
- Compatible with copper, PEX and CPVC



Ideal for use with galvanized brackets.



Use with standard 1¹¹/₃₂" stud punch on metal stud projects.



558-M2



558-M3

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
558-M2	1/2" CTS, black	B	100	1000
558-M2PK2	1/2" CTS, black, 5/bag	C*	10	10
558-M2C	1/2" CTS, blue	B	50	1000
558-M2H	1/2" CTS, red	B	50	1000
558-M3	3/4" CTS, black	B	100	1000
558-M3PK2	3/4" CTS, black, 5/bag	C*	10	10
558-M3C	3/4" CTS, blue	B	50	1000
558-M3H	3/4" CTS, red	B	50	1000
558-M4	1" CTS, black	B	25	250
558-M4PK2	1" CTS, black, 5/bag	C*	10	10
558-M4C	1" CTS, blue	B	50	1000
558-M4H	1" CTS, red	B	50	1000
GLUEABLE				
558-M2G	1/2" CTS	B	100	1000
558-M3G	3/4" CTS	B	100	1000
558-M4G	1" CTS	B	25	250
FLAME RETARDANT				
558-M2R	1/2" CTS	B	100	1000
558-M3R	3/4" CTS	B	100	1000
558-M4R	1" CTS	B	25	250
PLENUM SAFE™				
558FM2	E84 1/2" CTS	B	10	100
558FM3	E84 3/4" CTS	B	10	100
558FM4	E84 1" CTS	B	5	25



Except glueable models

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



558-23

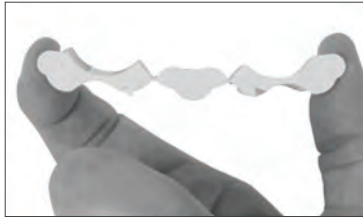
BiFolator™

Reversible Stud Insulator

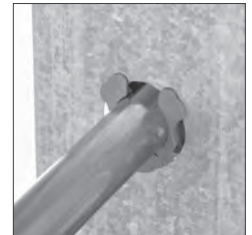
Patent #7,810,762

Canadian Patent #2,638,093

- Reversible insulator for 1/2" and 3/4" CTS copper, PEX or CPVC
- Fits 1 3/8" hole in wood studs or 1 11/32" hole in metal studs
- Fins prevent the tube from touching the wood or metal surface
- Allows tube to expand and contract without binding
- Plenum Safe™ model meets ASTM E84 25/50 Flame/Smoke Spread and UL94 V-0 flame rating



1/2" CTS



3/4" CTS

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
558-23	1/2" & 3/4" CTS, flexible LDPE (ivory)	B	100	1000
558-23B	1/2" & 3/4" CTS, rigid HDPE (black)	B	100	1000
PLENUM SAFE™				
558F23	E84 1/2" & 3/4" CTS	B	100	1000



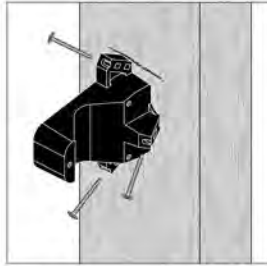
Main Block™

1½" Offset CTS Pipe Clamp

- 1½" offset with 3-axis holding power for securing ¾" and 1" water main inlets, appliance and fixture stub outs, water heater/softener loops, etc.
- Clamps above or below the pressure regulator to eliminate movement for a solid installation
- Non-corrosive and 100% compatible with copper, PEX, PVC and CPVC
- All hardware provided



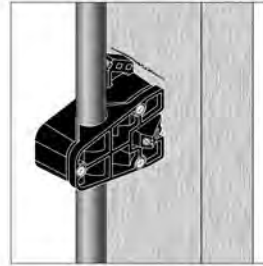
525-34



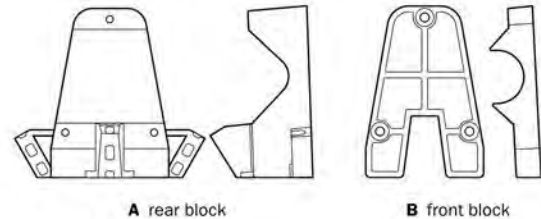
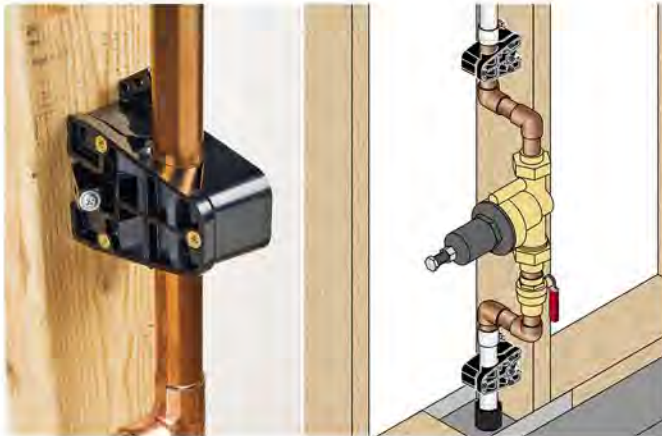
Mount rear block to structure using 1¾" screws.



Position pipe. Secure front block to rear block using 1" screws.



Completed installation.



A rear block

B front block



Each Main Block includes:

- A Rear block (1)
- B Front block (1)
- C #6 × 1¾" pan-head drill-tip screws (3)
- D #6 × 1" bugle-head coarse thread screws (3)

Item No.	Description	Pkg	Min Qty.	Case Qty.	List Price
525-33	¾" Main Block with screws, 1/bag	B*	1	25	3.50 EA
525-34	1" Main Block with screws, 1/bag	B*	1	25	3.75 EA)

SUPPLY

DRAINAGE

SUPPORT

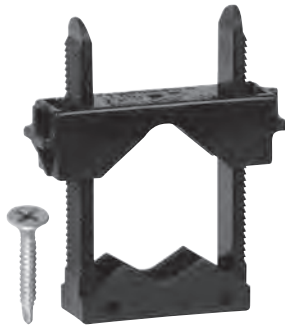
APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



550-11



550-11Q



522-100B



550-11PK4

TouchDown™

Universal Pipe Clamp

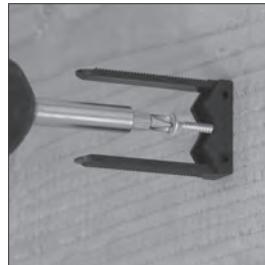
Patent # 6,126,122

- Clamps 1/4" – 1" CTS tube (copper, PEX or CPVC) and 1/8" – 1" Sch. 40 pipe (steel or plastic)
- Releasable locking mechanism allows for variable clamping tension for expansion and contraction
- Provides 1/4" stand-off from mounting surface
- Plenum Safe™ model meets ASTM E84 25/50 Flame/Smoke Spread and UL-94 V0 flame ratings

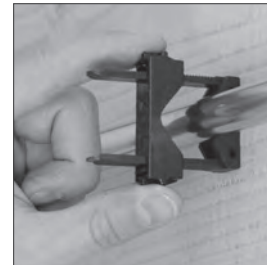
Pipe Down™

Noise Absorbing Inserts

- Thermoplastic elastomer reduces noise
- Red color allows for quick visual inspections to show noise blocks are present, meeting job specifications
- Not for use with Plenum Safe™ clamps



Screw base onto surface.



Ratchet bridge down to secure pipe.



Perfect for many different types of pipe, tube and wire.

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
550-11	1 bridge, 1 base, 1 screw/bag	B	100	100
550-11PK2	5 bridges, 5 bases, 5 screws/bag	C*	1	10
550-11PK4	5 bridges, 5 bases, 5 screws/bag, 10 bags/box	D*	1	1
550-11Q	1 bridge, 1 base, 1 screw, 1 set of Pipe Down inserts/bag	B	100	100
550-11QPK2	10 bridges, 10 bases, 10 screws, 10 sets of Pipe Down inserts/bag	C*	1	10
550-12	100 bridges, 100 bases, 100 screws/bag	B	1	1
PLENUM SAFE™				
550F11	E84 1 bridge, 1 base, 1 screw/bag	B	25	100
PIPE DOWN™ INSERTS				
522-100B	100 inserts for bridge or base (for standard models only)/bag	B	1	100
522-100BPK2	10 inserts for bridge or base (for standard models only)/bag	C*	1	10



TD+™ Universal Clamps

» 550-21 Series



Smart

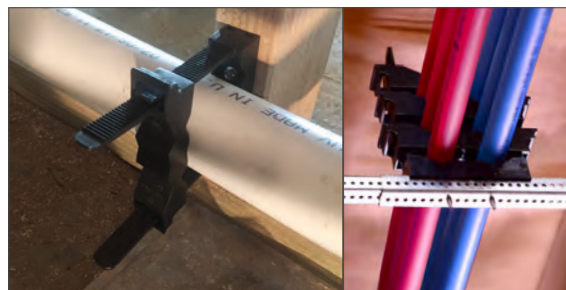
Secure multiple lines in a single clamp.
Stack bridges to hold different pipe sizes.

Convenient

Clamps 1/2" – 2" CTS (copper, PEX or CPVC) and
3/8" – 2" Schedule 40 pipe (steel or plastic).

Versatile

Flat base can be used with PowerBar™ or PowerBar MiniStrut™
brackets; Strut foot model fits common 1-5/8" channel.
Either version is available with our without PipeDown™ acoustical cushions.



» Buying Information

ITEM NO.	DESCRIPTION	U/M	MIN QTY	CASE QTY
TD+™ FLAT BASE MODELS				
550-210	TD+™ Bridge Only	EA	25	250
550-2111	Universal Pipe Clamp 1/bag	BG	50	50
550-2111PK2	Universal Pipe Clamp 1/bag	BG	10	10
550-2111PK3	Universal Pipe Clamp Contractor Pack (50/box)	BX	1	1
550-2112	Universal Pipe Clamp with 2 Bridges	BG	1	25
550-2113	Universal Pipe Clamp with 3 Bridges	BG	1	25
550-2111Q	PipeDown™ Acoustical Universal Clamp 1 set/bag	BG	1	50
550-2111QPK2	PipeDown™ Acoustical Universal Clamp 1 set/bag	BG	10	10
550-2112Q	PipeDown™ Acoustical Universal Clamp 2 bridges & 4 cushions	BG	1	25
TD+™ STRUT CLAMP MODELS				
550-210	TD+™ Bridge Only	EA	25	250
550-2121	Universal Strut Clamp 1/bag	BG	50	50
550-2121PK3	Universal Strut Clamp Contractor Pack (50/box)	BX	1	1
550-2122	Universal Strut Clamp with 2 Bridges	BG	1	25
550-2121Q	PipeDown™ Acoustical Universal Strut Clamp 1 set/bag	BG	1	25
550-2122Q	PipeDown™ Acoustical Universal Strut Clamp with 2 Bridges & 4 Cushions	BG	1	25
TD+™ ACOUSTICAL CUSHIONS ONLY				
550-214QPK2	PipeDown™ Acoustical Cushion 10/bag	BG	1	10
550-214QPK3	PipeDown™ Acoustical Cushion 50/bag	BG	1	4



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#LT3-TD+ 1/18

Supply | Drainage | Support

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TAKE THE FIELD.



TouchDown™ Beam Clamp

Universal Pipe Clamp

- Two clamp sizes available in standard or Plenum Safe™ materials
- Clamp pivots easily and attaches to I-beams or steel truss members for parallel or perpendicular pipe runs
- 550-11E clamps 1/4" - 1" CTS tube (copper, PEX or CPVC) and 1/8" - 1" Sch. 40 pipe (steel or plastic)
- 550-20E clamps 1/2" - 2" CTS tube (copper, PEX or CPVC) and 3/8" - 2" Sch. 40 (steel or plastic)



550-11E



550-20E



Run pipes parallel to steel I-beams.

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
550-11E	1 TouchDown bridge, 1 base with attached beam clamp/bag	B	100	100
550-20E	1 TouchDown II bridge, 1 base, 1 screw, beam clamp/bag	B	25	25
PLENUM SAFE™				
550F11E	E84 1 TouchDown bridge, 1 base with attached beam clamp/bag	B	25	100
550F20E	E84 1 TouchDown II bridge, 1 base, 1 screw, beam clamp/bag	B	25	25



SUPPLY

DRAINAGE

SUPPORT

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Notes

2-Hole Tube Strap

Copper & Copper-plated Steel for CTS Tube
Galvanized Steel for IPS Pipe

- Galvanized straps comply with MSS SP58 Type 26



Related Products
Tube Clamp

p 425



500-2



501-0



502-2

Item No.	Description	Gauge	Nails	Pkg	Min Qty	Case Qty
COPPER						
500-2	½" CTS	26	zinc-coated	B	100	500
500-3	¾" CTS	26	zinc-coated	B	100	500
COPPER-PLATED						
501-0	¼" CTS	24	zinc-coated	B	100	500
501-0PK	¼" CTS	24	—	C*	100	100
501-1	⅜" CTS	24	zinc-coated	B	100	500
501-1PK	⅜" CTS	24	—	C*	100	100
501-2	½" CTS	24	zinc-coated	B	100	500
501-2PK	½" CTS	24	—	C*	100	100
501-2PK2	½" CTS, 10/bag	24	zinc-coated	C*	10	10
501-3	¾" CTS	24	zinc-coated	B	100	500
501-3PK	¾" CTS	24	—	C*	100	100
501-3PK2	¾" CTS, 10/bag	24	zinc-coated	C*	10	10
501-4	1" CTS	22	zinc-coated	B	100	100
501-4PK	1" CTS	22	—	C*	100	100
501-5	1¼" CTS	22	ring-shank	B	100	100
501-5PK	1¼" CTS	22	—	C*	100	100
501-6	1½" CTS	22	ring-shank	B	100	100
501-6PK	1½" CTS	22	—	C*	100	100
501-7	2" CTS	22	ring-shank	B	100	100
501-7PK	2" CTS	22	—	C*	100	100
GALVANIZED STEEL						
502-0PK	¼" IPS	22	—	C*	100	100
502-1	⅜" IPS	22	—	B	100	100
502-1PK	⅜" IPS	22	—	C*	100	100
502-2	½" IPS	22	—	B	100	100
502-2PK	½" IPS	22	—	C*	100	100
502-2PK2	½" IPS, 10/bag	22	—	C*	10	10
502-3	¾" IPS	22	—	B	100	100
502-3PK	¾" IPS	22	—	C*	100	100
502-3PK2	¾" IPS, 10/bag	22	—	C*	10	10
502-4	1" IPS	20	—	B	100	100
502-4PK	1" IPS	20	—	C*	100	100
502-4PK2	1" IPS, 4/bag	20	—	C*	10	10
502-5	1¼" IPS	20	—	B	50	50
502-5PK	1¼" IPS	20	—	C*	50	50
502-5PK2	1¼" IPS, 4/bag	20	—	C*	10	10
502-6	1½" IPS	20	—	B	50	50
502-6PK	1½" IPS	20	—	C*	50	50
502-6PK2	1½" IPS, 4/bag	20	—	C*	10	10
502-7	2" IPS	18	—	B	50	50
502-7PK	2" IPS	18	—	C*	50	50
502-7PK2	2" IPS, 4/bag	18	—	C*	10	10
502-75	2½" IPS	16	—	B	25	25
502-75PK	2½" IPS	16	—	C*	20	20
502-8	3" IPS	16	—	B	25	25
502-8PK	3" IPS	16	—	C*	15	15
502-9	4" IPS	16	—	B	25	25
502-9PK	4" IPS	16	—	C*	10	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



523-33

Vinyl-coated Steel Clamp with Screw

- Perfect for hydronic heating
- Use with Power Bar Universal Slider Bracket
- Complies with 2009 National Fuel Gas Code for supporting CSST
- Not compatible with CPVC pipe or fittings



Item No.	Description	Pkg	Min Qty	Case Qty
523-31	5/16" clamp for 3/8" nom. tube, #3 re-bar or 3/8" all-thread rod	B	100	1000
523-32	5/8" clamp for 1/2" CTS	B	100	1000
523-33	7/8" clamp for 3/4" CTS	B	50	500
523-34	1 1/8" clamp for 1" CTS	B	50	500



550-02

Single-Hole Tube Strap

Ideal for shallow wall installations
Used where furring strips are attached to block wall
Durable Nylon Material

Item No.	Description	Pkg	Min Qty	Case Qty
550-02	1/2" CTS Single Hole Tube Strap	B	100	1000

Drive Hook

Copper-Plated Steel

- Do not use vinyl-coated hooks with CPVC pipe or fittings



503-2



503-2P



504-3



504-3P

For Better Products
Pick-Up Talon
Twin Talon

p 421
p 422



Item No.	Description	Pkg	Min Qty	Case Qty
J-HOOK				
503-2	1/2" CTS	B	100	1000
503-3	3/4" CTS	B	100	1000
503-2P	1/2" CTS, vinyl-coated	B	100	1000
503-3P	3/4" CTS, vinyl-coated	B	100	1000
TUBE NAILER				
504-3	1/2"-3/4" CTS	B	100	1000
504-3PK2	1/2"-3/4" CTS, 10/bag	C*	10	10
504-3PK3	1/2"-3/4" CTS, 100/bag	C*	1	10
504-3P	1/2"-3/4" CTS, vinyl-coated	B	100	1000
504-3PPK2	1/2"-3/4" CTS, vinyl-coated, 10/bag	C*	10	10

Wire Pipe Hook

- 10-gauge material
- Plain or copper-plated steel
- Vinyl-coated steel
- Do not use vinyl-coated wire pipe hooks with CPVC pipe or fittings



506-24



506-24P



506-36PPK2



Related Products
Hangs Tuff Jr.™
 For a better product

p 436

Item No.	Description	Pkg	Min Qty	Case Qty
PLAIN STEEL				
506-24	1/2" IPS x 4"	B	50	500
506-26	1/2" IPS x 6"	B	50	500
506-26PK2	1/2" IPS x 6", 5/bundle	C*	5	5
506-34	3/4" IPS x 4"	B	50	500
506-34PK2	3/4" IPS x 4", 5/bundle	C*	5	5
506-36	3/4" IPS x 6"	B	50	500
506-36PK2	3/4" IPS x 6", 5/bundle	C*	5	5
506-38	3/4" IPS x 8"	B	50	500
506-46	1" IPS x 6"	B	50	500
506-46PK2	1" IPS x 6", 5/bundle	C*	5	5
506-56	1 1/4" IPS x 6"	B	50	500
506-66	1 1/2" IPS x 6"	B	50	500
COPPER-PLATED STEEL				
506-22C	1/2" IPS x 2 1/2"	B	100	2000
506-24C	1/2" IPS x 4"	B	50	500
506-26C	1/2" IPS x 6"	B	50	500
506-26CPK2	1/2" IPS x 6", 5/bundle	C*	5	5
506-32C	3/4" IPS x 2 1/2"	B	100	2000
506-34C	3/4" IPS x 4"	B	50	500
506-36C	3/4" IPS x 6"	B	50	500
506-36CPK2	3/4" IPS x 6", 5/bundle	C*	5	5
506-38C	3/4" IPS x 8"	B	50	500
506-46C	1" IPS x 6"	B	50	500
506-46CPK2	1" IPS x 6", 5/bundle	C*	5	5
VINYL-COATED STEEL				
506-24P	1/2" IPS x 4"	B	50	500
506-26P	1/2" IPS x 6"	B	50	500
506-26PPK2	1/2" IPS x 6", 5/bundle	C*	5	5
506-34P	3/4" IPS x 4"	B	50	500
506-36P	3/4" IPS x 6"	B	50	500
506-36PPK2	3/4" IPS x 6", 5/bundle	C*	5	5
506-38P	3/4" IPS x 8"	B	50	500
506-46P	1" IPS x 6"	B	50	500
506-46PPK2	1" IPS x 6", 5/bundle	C*	5	5



SUPPLY

DRAINAGE

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Hangs Tuff Jr.™

CTS Tube Hanger

Patent # 5,385,320

- Hangs any 1/2" - 1 1/4" CTS copper, PEX or CPVC tube
- 100% corrosion proof, impact resistant ABS
- Two ring-shank nails conveniently supplied



553-2W



553-22W



Snap off sections of the Hangs Tuff Jr.™ to create a shorter hanger for tight spaces.



Twin models hang two lengths of tube side-by-side.

Item No.	Description	Pkg	Min Qty	Case Qty
553-22W	1/2" x 1/2" CTS	C	50	150
553-23W	1/2" x 3/4" CTS	C	50	150
553-33W	3/4" x 3/4" CTS	C	50	150
553-2W	1/2" CTS	C	50	50
553-2WPK3	1/2" CTS, 10/bag	C	1	5
553-3W	3/4" CTS	C	50	50
553-3WPK3	3/4" CTS, 10/bag	C	1	5
553-4W	1" CTS	C	50	50
553-4WPK3	1" CTS, 10/bag	C	1	5
553-5W	1 1/4" CTS	C	50	50
553-5WPK3	1 1/4" CTS, 10/bag	C	1	5

Milford Hanger

Epoxy-coated Steel



512-312PK



Item No.	Description	Pkg	Min Qty	Case Qty
512-26PK	1/2" CTS x 6"	C*	50	50
512-36PK	3/4" CTS x 6"	C*	50	50
512-46PK	1" CTS x 6"	C*	50	50
512-212PK	1/2" CTS x 12"	C*	50	50
512-312PK	3/4" CTS x 12"	C*	50	50
512-412PK	1" CTS x 12"	C*	50	50

Natick Hanger

Copper-plated Steel



513-26PK



Item No.	Description	Pkg	Min Qty	Case Qty
513-26PK	1/2" CTS x 6"	C*	25	25
513-36PK	3/4" CTS x 6"	C*	25	25

Cable Tie

- Durable, non-corrosive black nylon
- Use a #10 screw or nail to secure mounting cable ties



Item No.	Length × Width	Failure Load	Max Bundle	Pkg	Min Qty	Case Qty
STANDARD						
554-08	8" × 3/16"	50 lbs.	2"	B	100	2500
554-14	14½" × 3/16"	40 lbs.	4"	B	100	1000
554-14H	14½" × 5/16"	175 lbs.	4"	B	100	1000
554-21	21" × 5/16"	175 lbs.	6"	B	50	500
554-36	36" × 5/16"	175 lbs.	11"	B	50	250
MOUNTING						
554-608	8" × 3/16"	50 lbs.	2¾"	B	100	500
554-614	14" × 3/16"	50 lbs.	4"	B	100	1000



SUPPLY

DRAINAGE

SUPPORT

Anchors, Screws and Fasteners

- Each anchor screw kit includes:
100 1" zinc-plated screws, 100 flanged plastic anchors, carbide masonry drill bit, reusable polypro box
- Most common fastener hardware available



590-10



591-06B

591-081

509-PK2

Item No.	Description	Pkg	Min Qty	Case Qty
ANCHORS				
590-10	Kit: 100 #10 × 1" 5/16" hex/slotted/Phillips head screws, 100 plastic anchors and one ¼" carbide bit	B	1	10
590-11	Replacement drill bit for 590-10	B	10	50
SCREWS				
591-06B	#6 × 1" yellow zinc-plated, coarse-thread wood screw, 100/bag	B	1	10
591-081	#8 × 1" zinc-plated drill-tip Phillips screw, 100/bag	B	1	10
NAILS				
509-PK2	1½" tube strap nail zinc-plated, 50/bag	B	20	20

APPENDIX



DWV HANGERS

EXTENSION HANGERS

HANGER STRAPS

GROUND STAKES



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Swivel J-Hanger™
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Gas Vent Pipe Support
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ZipStick™
p 443



Metal DWV Hangers
p 444



Stick-Em Up™
p 444



Ape Tape™
p 445



Plastic Hanger Strap
p 445



Metal Hanger Strap
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Tab Tape™
p 446



Tomahawk™
p 447

Hangs Tuff™

DWV Pipe Hanger

Patent # 5,385,320

- Strong and rigid I-beam design keeps pipe secure
- Two ring-shank nails conveniently supplied
- 100% corrosion proof, impact resistant ABS
- Can be glued to ABS or PVC pipe with all-purpose glue



Two nails supplied for easy installation.



Opposing holes are 1/2" on center.



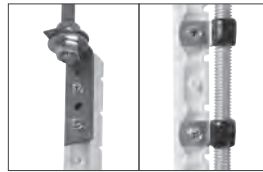
Cradles pipe before final installation.



Locking finger holds pipe in place.



Locking finger allows installation at all angles.



Extend length by using all thread rod and vinyl-coated clamps or L-bracket.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

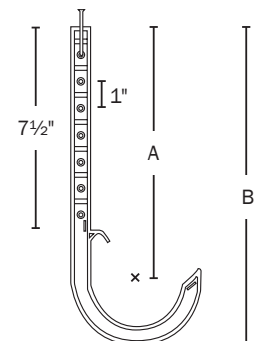


Related Products
Vinyl-Coated Clamp

p 434

Item No.	Description	Dimension		Pkg	Min Qty	Case Qty
		A	B			
WHITE						
553-6W	1½" Sch. 40	8 ⁵ / ₈ "	10"	C*	50	50
553-6WPK3	1½" Sch. 40, 10/bag	8 ⁵ / ₈ "	10"	C*	1	5
553-7W	2" Sch. 40	8 ¹⁵ / ₁₆ "	10½"	C*	50	50
553-7WPK3	2" Sch. 40, 10/bag	8 ¹⁵ / ₁₆ "	10½"	C*	1	5
553-8W	3" Sch. 40	9 ⁷ / ₁₆ "	11¾"	C*	50	50
553-8WPK3	3" Sch. 40, 10/bag	9 ⁷ / ₁₆ "	11¾"	C*	1	5
553-830W	3" Sch. 30	9 ⁵ / ₁₆ "	11¾"	C*	50	50
553-830WPK3	3" Sch. 30, 10/bag	9 ⁵ / ₁₆ "	11¾"	C*	1	5
553-9W	4" Sch. 40	9 ¹⁵ / ₁₆ "	12¾"	C*	25	25
553-9WPK3	4" Sch. 40, 10/bag	9 ¹⁵ / ₁₆ "	12¾"	C*	1	5
BLACK						
553-6	1½" Sch. 40	8 ⁵ / ₈ "	10"	C*	50	50
553-6PK3	1½" Sch. 40, 10/bag	8 ⁵ / ₈ "	10"	C*	1	5
553-7	2" Sch. 40	8 ¹⁵ / ₁₆ "	10½"	C*	50	50
553-7PK3	2" Sch. 40, 10/bag	8 ¹⁵ / ₁₆ "	10½"	C*	1	5
553-8	3" Sch. 40	9 ⁷ / ₁₆ "	11¾"	C*	50	50
553-8PK3	3" Sch. 40, 10/bag	9 ⁷ / ₁₆ "	11¾"	C*	1	5
553-9	4" Sch. 40	9 ¹⁵ / ₁₆ "	12¾"	C*	25	25
553-9PK3	4" Sch. 40, 10/bag	9 ¹⁵ / ₁₆ "	12¾"	C*	1	5
L-BRACKET						
521-210	L-bracket for ¾" all thread rod			B	25	100

According to all national codes, ABS or PVC DWV pipe is to be supported every four feet or less. When hanging steel or cast iron pipe, install Hangs Tuff™ two feet on center (or less), cinch with cable tie, and anchor with min 1½", #10 wood screws.

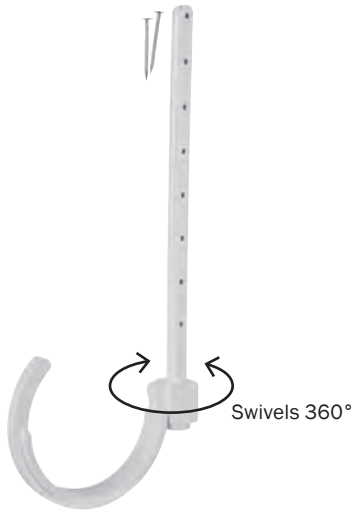


Except 553-830W

Swivel J-Hanger™

DWV Hanger

- Cradle swivels 360°
- Install pipe from any direction
- Allows for expansion and contraction
- Ideal for running vent pipes across the attic
- 100% corrosion proof
- UV resistant



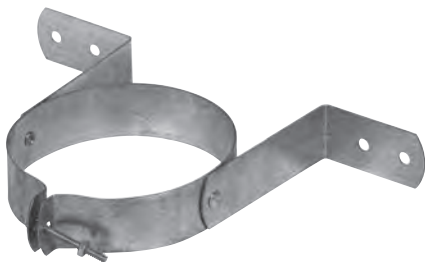
553-8WZ



Item No.	Description	Pkg	Min Qty	Case Qty
553-6WZ	1½" DWV	B	25	100
553-6WZPK2	1½" DWV, 4/bag	B	1	5
553-7WZ	2" DWV	B	25	100
553-7WZPK2	2" DWV, 4/bag	B	1	5
553-8WZ	3" DWV	B	25	100
553-8WZPK2	3" DWV, 4/bag	B	1	5
553-9WZ	4" DWV	B	25	100
553-9WZPK2	4" DWV, 4/bag	B	1	5

Gas Vent Pipe Support

- Use with Type B gas vent pipes
- Supports and stabilizes vertical or horizontal vent pipes
- Pivoting foot with 1½" or 3" offset
- Non-corrosive, 18-gauge galvanized steel



549-809

Item No.	Description	Pkg	Min Qty	Case Qty
549-808	3" metal vent support	B	6	6
549-809	4" metal vent support	B	6	6
549-810	5" metal vent support	B	6	6
549-811	6" metal vent support	B	6	6

ZipStick™

Universal Pipe Hanger

- Perfect for hanging DWV, wrapped or insulated pipe, bundles of PEX, cable, wiring or supporting vent pipe in attics
- Universal cradle hangs any pipe from 1" CTS to 6" IPS
- White or black, with 10", 14" or 26" stems
- Graduated numerals at nail ways for easy measuring
- Releasable locking mechanism

ZipStrap™

Ratchet-Locking Strap

- Extends total strap length on ZipStick for large O.D. applications
- Compatible with copper, PEX or CPVC



Two nails supplied for easy installation.



Opposing holes are 1/2" on center.



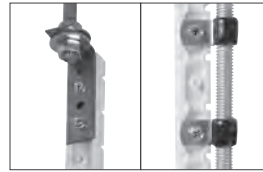
Easy, more natural, pull-down cinching motion.



Hangs any pipe 1 1/8" O.D. to 6 3/8" O.D. over center.



Snap off sections to create a shorter hanger for tight spaces.



Extend stem length by using all-thread rod and vinyl-coated clamps or a L-bracket.



Related Products Vinyl-Coated Clamp

p 434

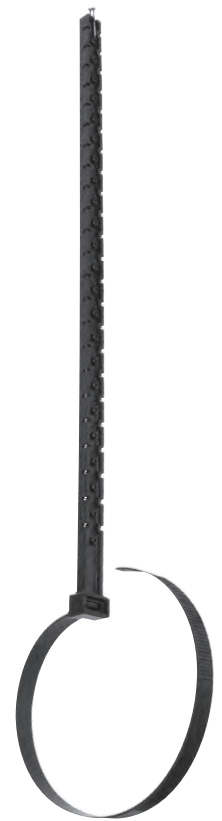
Item No.	Description	Dimension A	Pkg	Min Qty	Case Qty
ZIPSTICK					
553-010W	white	10"	B	25	100
553-014W	white	14"	B	25	100
553-014WPK	white	14"	C*	1	25
553-026W	white	26"	B	25	50
553-010B	black	10"	B	25	100
553-014B	black	14"	B	25	100
553-014BPK	black	14"	C*	1	25
553-026B	black	26"	B	25	50
ZIPSTRAP					
553-0LW	white	—	B	1	100
553-0LB	black	—	B	1	100
L-BRACKET					
521-210	L-bracket for 3/8" all thread rod		B	25	100



553-010W



553-0LB



553-026B

521-210

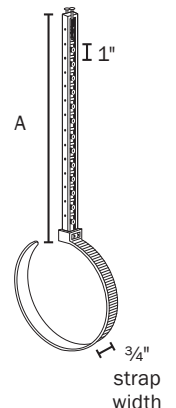
SUPPLY

DRAINAGE

SUPPORT

APPENDIX

According to all national codes, ABS or PVC DWV pipe is to be supported every four feet or less. When hanging steel or cast iron pipe, install ZipStick™ two feet on center (or less), and anchor with mn 1 1/2", #10 wood screws.





Metal DWV Hanger

Galvanized or Vinyl-coated or Stainless Steel

- Locking screw keeps pipe secure
- Keyhole design provides faster installations

Related Products

ZipStick™

A better hanger.

p 443



Item No.	Description	Pkg	Min Qty	Case Qty
GALVANIZED				
510-6PK	1½" DWV	C*	20	20
510-7PK	2" DWV	C*	20	20
510-8PK	3" DWV	C*	20	20
510-9PK	4" DWV	C*	20	20
VINYL-COATED				
510-6VPK	1½" DWV	C*	10	10
510-7VPK	2" DWV	C*	10	10
510-8VPK	3" DWV	C*	10	10
510-9VPK	4" DWV	C*	10	10



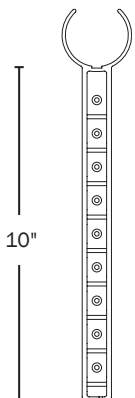
Stick-Em Up™

DWV Pipe Support

- 100% corrosion proof, impact resistant
- Strong I-beam design to support vent pipe
- Can be glued to ABS or PVC pipe with all-purpose glue
- Each model supports two pipe sizes



549-734



Glue to DWV pipe to support vertical runs.



Secure pipe to form for stack placement inside stud wall.



Numbered nail ways are 1" on center for easy measuring and drain calculation.



Support horizontal runs of vent pipe in the attic.



Item No.	Description	Pkg	Min Qty	Case Qty
549-712	1½"-2" DWV	B	50	100
549-712PK	1½"-2" DWV - IBC	C*	25	25
549-734	3"-4" DWV	B	25	100
549-734PK	3"-4" DWV - IBC	C*	25	25

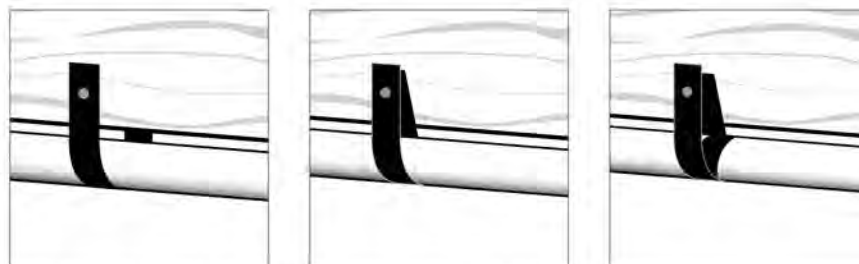
Ape Tape™

Woven Polypropylene Hanger Strap

- No sharp edges to cut installer's hand or pipe
- Strong, durable material yet lightweight
- Max load: 125 lbs.
- Will not fracture in extremely cold temperatures
- Cut to desired length
- Install nail or screw at least 1" from end of strap



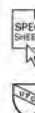
554-25W



Ape Tape may be installed on one, or both sides of the joint. Double-wrap for a more secure installation.

[CLICK FOR SUBMITTAL](#)

Item No.	Description	Pkg	Min Qty	Case Qty
554-10WPK2	5/8" x 10 ft, 1/bag	C*	10	10
554-25W	5/8" x 25 ft, 1/bag	C*	1	20
554-100W	5/8" x 100 ft, 1/bag	C*	1	20



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Plastic Hanger Strap

Polypropylene with 1/8" Holes

- Not recommended in extremely cold climates (below 32°F)
- Max load: 20 lbs.



554-100

Item No.	Description	Pkg	Min Qty	Case Qty
554-10PK2	3/4" x 10 ft coil, 1/bag	C*	10	10
554-25	3/4" x 25 ft coil, 1/bag	B*	1	20
554-100	3/4" x 100 ft coil, 1/bag	B*	1	20



528-50

Metal Hanger Strap

Alternating 1/4" and 3/16" Holes
Galvanized or Copper-plated Steel

SUPPLY

DRAINAGE

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Related Products

Hangs Tuff™
A better hanger.

p 441



Item No.	Description	Gauge	Pkg	Min Qty	Case Qty
GALVANIZED STEEL WITH ALTERNATING 1/4" AND 3/16" HOLES					
524-10	3/4" x 10 ft coil	24	B	50	50
524-10PK	3/4" x 10 ft coil	24	B*	50	50
524-10PK2	3/4" x 10 ft coil, 1/bag	24	C*	10	10
524-1022PK2	3/4" x 10 ft coil, 1/bag	22	C*	10	10
524-50	3/4" x 50 ft coil	24	B	10	10
524-50PK3	3/4" x 50 ft coil, 1/box	24	B*	1	10
524-100	3/4" x 100 ft coil	24	B	5	5
528-10	3/4" x 10 ft coil	28	B	50	50
528-10PK	3/4" x 10 ft coil	28	B*	50	50
528-10PK2	3/4" x 10 ft coil, 1/bag	28	C*	10	10
528-25PK2	3/4" x 25 ft coil, 1/bag	28	C*	1	12
528-50	3/4" x 50 ft coil	28	B	10	10
528-100	3/4" x 100 ft coil	28	B	5	5
COPPER-PLATED STEEL WITH ALTERNATING 1/4" AND 3/16" HOLES					
524-10C	3/4" x 10 ft coil	24	B	50	50
524-10CPK2	3/4" x 10 ft coil, 1/bag	24	C*	10	10

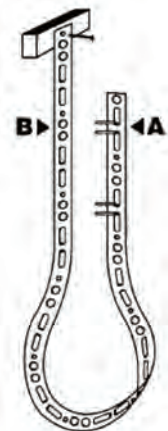


528-10TPK2

NEW TabStrap™

Patent No. 5,522,571

- Galvanized steel
- Spliceable, self-fastening TabStrap™ reduces labor and installation costs
- Bendable tabs eliminate need for additional hardware



Loop around pipe or conduit. Insert two "A" tabs through two "B" holes and bend tabs flat.



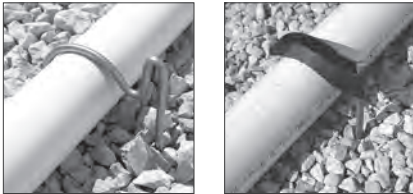
Item No.	Description	Gauge	Pkg	Min Qty	Case Qty
528-10TPK2	3/4" x 10 ft coil, 1/bag	28	C*	12	12

Tomahawk™

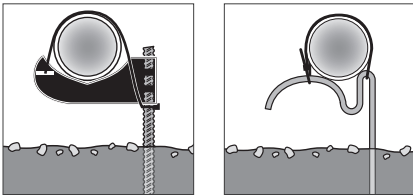
DWV Ground Stake

Patent No. 6,901,716 B1 (535-14 and 535-26)

- Prevents pipe from floating or moving during concrete pours
- Supports closer bends
- Secures 1½" – 6" Sch. 40 DWV piping
- 14" and 26" lengths available



Secures DWV pipe on grade, preventing stub ups from moving or floating during concrete pour.



When supporting pipe above ground, secure pipe with cable ties, wire, tape, etc. Use 535-9P poly head inverted on your own 3/8" (#3) rebar.



535-914



535-14



535-9P

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No.	Length	Pkg	Min Qty	Case Qty
3/8" ALL STEEL				
535-14	14"	B	25	25
535-26	26"	B	25	25
POLYETHYLENE HEAD				
535-914	14"	B	25	25
535-926	26"	B	25	25
535-9P	head only	B	50	50

BRACKETS

STUB OUT BRACKETS

- Strong Arm™ System
- Bend Supports
- Power Bar™
- Secure-All™
- Flat brackets

COMMERCIAL BRACKETS

- Bell Hangers
- Carrier Brackets
- Chase Bracket™ & Mid-Span Brackets
- Pipe Titan™
- Grid Iron™
- Power Bar Mini Strut™

ACCESSORIES

- Sioux Chief Sammy™ Screws
- Cast-In Place Deck Anchors
- Overhead Beam Clamps
- Clevis & Split Ring Hangers
- Pipe Eye Suspension Bracket™
- Touchdown II™ Strut Clamp
- Protective Plates
- Water Heater Stands



Strong Arm™
with Lock Block
p 451



Strong Arm™
with PEX Bend Lock Block
p 454



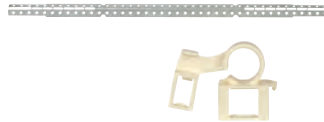
Side Winder™
p 456



Power Bar™
p 457



Simple Strap™
p 459



Edge Support System™
p 460



Secure-All™
p 461



A-1 Pipe Bracket™
p 462



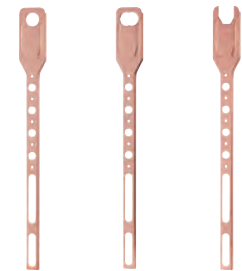
Solder Straps
p 463



Copper Star™
p 463



CTS Bell Hanger
p 464



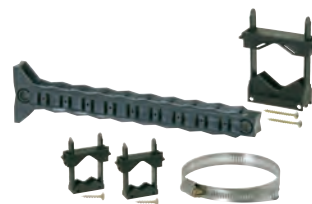
Carrier Bracket
p 464



Chase Bracket™
p 465



Pipe Titan™
p 466



Grid Iron™
p 467



Power Bar Mini Strut™
p 468



Sioux Chief Sammys™
p 470



Pipe Eye Suspension Bracket™
p 474



TouchDown II™ Strut Clamp
p 475



Water Heater Stand
p 477

Strong Arm™ Bracketing System with Lock Block™ CTS Tube Clamp

Patent #8,061,390

- Rigidly secures any 1/2" - 1" CTS stub out and prevents all movement
- Lock Blocks™ are pre-assembled on a pair of brackets or available with 2 1/2" screws to mount directly to structure
- Twisted brackets easily mount to the face of the stud and L-bent brackets mount inside the stud cavity
- Lock Blocks compress on tube and brackets after screws are tightened



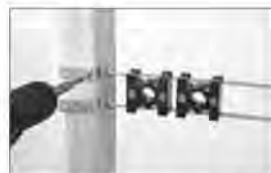
525-1622



525-1012



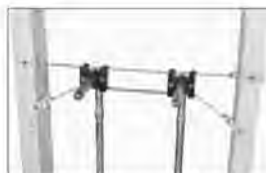
525-2423



Mount top bracket to each stud then slide block(s) to correct stub out location.



Install stub out and tighten screws on blocks.



Bend bottom bracket as close as possible to Lock Block and secure bracket to stud.



525-B2



525-B4

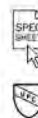


525-B3S

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Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM FOR NARROW (LESS THAN 10") STUD BAYS				
525-1012	Twisted bracket with one 1/2" Lock Block	B	25	25
STRONG ARM WITH STANDARD LOCK BLOCKS FOR 16" STUD BAYS				
525-1612	Twisted bracket with one 1/2" Lock Block	B	25	25
525-1612L	L-Bent bracket with one 1/2" Lock Block	B	25	25
525-1613	Twisted bracket with one 3/4" Lock Block	B	25	25
525-1614	Twisted bracket with one 1" Lock Block	B	25	25
525-1622	Twisted bracket with two 1/2" Lock Blocks	B	25	25
525-1622L	L-Bent bracket with two 1/2" Lock Blocks	B	25	25
525-1622PK1	Twisted bracket with two 1/2" Lock Blocks	C*	10	10
525-1623	Twisted bracket with two 3/4" Lock Blocks	B	25	25
525-1624	Twisted bracket with two 1" Lock Blocks	B	25	25
STRONG ARM WITH STANDARD LOCK BLOCKS FOR 24" STUD BAYS				
525-2412	Twisted bracket with one 1/2" Lock Block	B	25	25
525-2413	Twisted bracket with one 3/4" Lock Block	B	25	25
525-2414	Twisted bracket with one 1" Lock Block	B	25	25
525-2422	Twisted bracket with two 1/2" Lock Blocks	B	25	25
525-2423	Twisted bracket with two 3/4" Lock Blocks	B	25	25
525-2424	Twisted bracket with two 1" Lock Blocks	B	25	25
LOCK BLOCKS ONLY - FASTEN TO ANY STUD				
525-B2S	One 1/2" Lock Block with two 2 1/2" drill-tip screws	B	1	50
525-B3S	One 3/4" Lock Block with two 2 1/2" drill-tip screws	B	1	50
BULK COMPONENTS				
525-B2	1/2" Lock Block with screws	B	50	50
525-B3	3/4" Lock Block with screws	B	50	50
525-B4	1" Lock Block with screws	B	50	50
525-16T	Twisted bracket for 16" stud bays	B	100	100
525-24T	Twisted bracket for 24" stud bays	B	100	100
525-20B	L-bent bracket for 16" stud bays	B	100	100
525-27B	L-bent bracket for 24" stud bays	B	100	100
591-06B	#6 x 1" screw, coarse thread for wood studs, 100/bag	B	1	10
591-081	#8 x 1" screw, drill-tip point for metal studs, 100/bag	B	1	10

NOTE: All pre-assembled brackets include wood screws for mounting brackets to wood studs. For metal studs, please order 591-081 drill-tip screws separately.



Safe soldering distance on 1/2" Lock Block is four inches. Use wet rag to prevent heat transfer on 3/4" or 1" Lock Blocks.

SUPPLY

DRAINAGE

SUPPORT

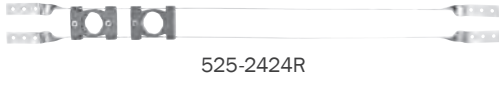
APPENDIX



525-1612R



525-1622R



525-2424R



525-B2R



525-B3R



Mount top bracket to each stud then slide block(s) to correct stub out location.



Install stub out elbows and tighten screws on blocks.



Bend bottom bracket as close as possible to Lock Block and secure bracket to stud.

Strong Arm™ Bracketing System with UL-94 V0 Flame-Rated Lock Block™ CTS Tube Clamp

Patent #8,061,390

- Rigidly secures any CTS stub out and prevents all movement
- Lock Blocks™ are pre-assembled on each pair of brackets
- Twisted brackets easily mount to the face of the stud
- Lock Blocks compress on tube and brackets after screws are tightened
- Available for 16" and 24" stud bays
- UL-94 V0 Flame-Rated Lock Blocks are red for easy inspection and identification when flame ratings are specified

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM WITH UL-94 V0 FLAME-RATED LOCK BLOCKS FOR 16" STUD BAYS				
525-1612R	Twisted bracket with one 1/2" flame-rated Lock Block	B	25	25
525-1613R	Twisted bracket with one 3/4" flame-rated Lock Block	B	25	25
525-1614R	Twisted bracket with one 1" flame-rated Lock Block	B	25	25
525-1622R	Twisted bracket with two 1/2" flame-rated Lock Blocks	B	25	25
525-1623R	Twisted bracket with two 3/4" flame-rated Lock Blocks	B	25	25
STRONG ARM WITH UL-94 V0 FLAME-RATED LOCK BLOCKS FOR 24" STUD BAYS				
525-2412R	Twisted bracket with one 1/2" flame-rated Lock Block	B	25	25
525-2414R	Twisted bracket with one 1" flame-rated Lock Block	B	25	25
525-2422R	Twisted bracket with two 1/2" flame-rated Lock Blocks	B	25	25
525-2424R	Twisted bracket with two 1" flame-rated Lock Blocks	B	25	25
BULK COMPONENTS				
525-B2R	1/2" UL-94 V0 flame-rated Lock Block	B	50	50
525-B3R	3/4" UL-94 V0 flame-rated Lock Block	B	50	50
525-B4R	1" UL-94 V0 flame-rated Lock Block	B	50	50
525-16T	Twisted bracket for 16" stud bays	B	100	100
525-24T	Twisted bracket for 24" stud bays	B	100	100
525-20B	L-bent bracket for 16" stud bays	B	100	100
525-27B	L-bent bracket for 24" stud bays	B	100	100
591-06B	#6 x 1" screw, coarse thread for wood studs, 100/bag	B	1	10
591-081	#8 x 1" screw, drill-tip point for metal studs, 100/bag	B	1	10

Safe soldering distance on 1/2" Lock Block is four inches. Use wet rag to prevent heat transfer on 3/4" or 1" Lock Blocks.



NOTE: All pre-assembled brackets include wood screws for mounting brackets to wood studs. For metal studs, please order 591-081 drill-tip screws separately.

Strong Arm™ Bracketing System with Shower WallNut™ Lock Block™ Shower Riser Support

Patent #8,061,390



The Shower WallNut™ Lock Block™ is larger, providing a greater surface area behind the drywall mud.



The Shower WallNut Lock Block is so rigid, installers can now use a PEX or CPVC riser from the valve to the stub out elbow and use a Shower WallNut to bring the connection outside the wall.



See Shower WallNut instructions to complete the installation.



525-16WLB



525-WLB

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Sioux Chief's Shower WallNut System carries a limited lifetime warranty only when all of the following Sioux Chief components are used and installed per manufacturer's instructions:

1. Sioux Chief copper stub out elbow or preformed copper shower riser
2. Strong Arm™ Bracket with Shower WallNut Lock Block
3. Shower WallNut Shower Arm Adapter

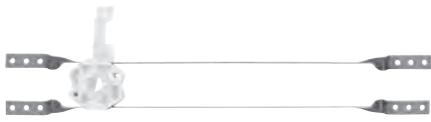


Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM WITH SHOWER WALLNUT LOCK BLOCK				
525-16WLB	Twisted bracket with one 1/2" Shower WallNut Lock Block for 16" stud bays	B	25	25
525-24WLB	Twisted bracket with one 1/2" Shower WallNut Lock Block for 24" stud bays	B	25	25
BULK COMPONENTS				
525-WLB	Shower WallNut Lock Block for supporting 1/2" riser	B	50	50
525-16T	Twisted bracket for 16" stud bays	B	100	100
525-24T	Twisted bracket for 24" stud bays	B	100	100
591-06B	#6 x 1" screw, coarse thread for wood studs, 100/bag	B	1	10
591-081	#8 x 1" screw, drill-tip point for metal studs, 100/bag	B	1	10

NOTE: All pre-assembled brackets include wood screws for mounting brackets to wood studs. For metal studs, please order 591-081 drill-tip screws separately.



SUPPLY



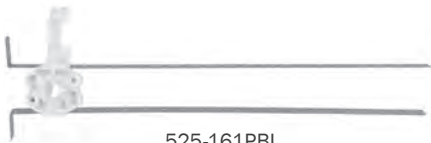
525-161PB

DRAINAGE



525-162PB

SUPPORT



525-161PBL

APPENDIX



525-162PBL



525-P2

Strong Arm™ Bracketing System with PEX Bend Lock Block™ Flexible Tube Support



Patent #8,061,390

Patent #8,141, 831

- Use when stubbing out with ½" flexible CTS tube
- Strong Arm™ brackets provide a very rigid installation
- Plastic elbow swivels 360° to work with tubing coming from any direction
- PEX Bend Lock Blocks™ are pre-assembled on each pair of brackets
- Position stub outs at any desired location within the stud bay
- Twisted brackets mount to face of stud, and L-bent brackets mount inside stud cavity
- When screws on blocks are tightened, blocks compress on tube, brackets and elbow eliminating all movement



525-162PB installed.



One 525-P2 nailed directly to the stud.



Two 525-P2s stacked.

NEW

NEW

NEW

NEW



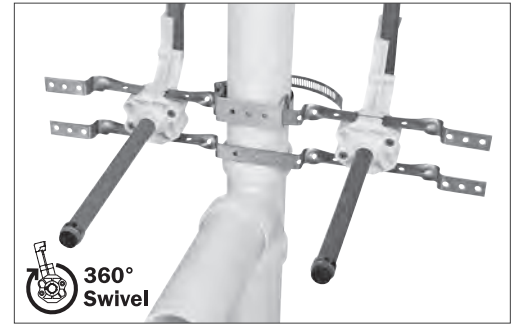
Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM WITH PEX BEND LOCK BLOCK FOR NARROW (LESS THAN 10") STUD BAYS				
525-101PB	Twisted bracket with one PEX Bend Lock Block	B	25	25
STRONG ARM WITH PEX BEND LOCK BLOCK FOR 16" STUD BAYS				
525-161PB	Twisted bracket with one PEX Bend Lock Block	B	25	25
525-162PB	Twisted bracket with two PEX Bend Lock Blocks	B	25	25
525-161PBL	L-bent bracket with one PEX Bend Lock Block	B	25	25
525-162PBL	L-bent bracket with two PEX Bend Lock Blocks	B	25	25
525-161PBPK	Strong Arm with one PEX Bend Lock Block	C*	10	10
525-162PBPK	Strong Arm with two PEX Bend Lock Blocks	C*	10	10
STRONG ARM WITH PEX BEND LOCK BLOCK FOR 24" STUD BAYS				
525-241PB	Twisted bracket with one PEX Bend Lock Block	B	25	25
525-242PB	Twisted bracket with two PEX Bend Lock Blocks	B	25	25
525-241PBL	L-bent bracket with one PEX Bend Lock Block	B	25	25
525-242PBL	L-bent bracket with two PEX Bend Lock Blocks	B	25	25
ACCESSORY AND BULK COMPONENTS				
525-P2	½" PEX Bend (elbow only)	B	50	50
525-P2PK	½" PEX Bend (elbow only)	C*	10	10
525-16T	Twisted bracket for 16" stud bays	B	100	100
525-24T	Twisted bracket for 24" stud bays	B	100	100
525-20B	L-bent bracket for 16" stud bays	B	100	100
525-27B	L-bent bracket for 24" stud bays	B	100	100
591-06B	#6 × 1" screw, coarse thread for wood studs, 100/bag	B	1	10
591-081	#8 × 1" screw, drill-tip point for metal studs, 100/bag	B	1	10

NOTE: All pre-assembled brackets include wood screws for mounting brackets to wood studs. For metal studs, please order 591-081 drill-tip screws separately.

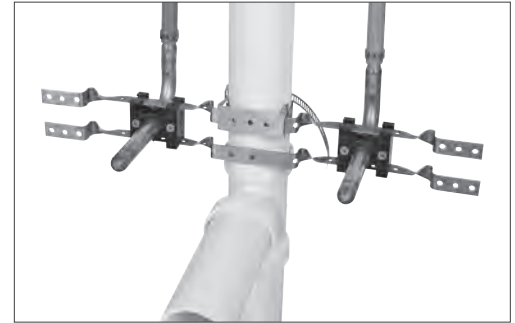
Strong Arm™ Vent Support

Patent #8,061,390
 Patent #8,141, 831

- Secure directly to vent pipe when studs are not available (ideal for pedestal lavatories and island sinks)
- Completely pre-assembled to reduce labor costs
- Snap-lock band secures to 1½" – 2" DWV



525-162PBV



525-1622V

Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM WITH LOCK BLOCKS – VENT PIPE APPLICATION				
525-1622V	Strong Arm with two ½" Lock Blocks for Vent Pipe with saddle clamp and stainless steel snap-lock band	B	25	25
STRONG ARM WITH PEX BEND LOCK BLOCKS – VENT PIPE APPLICATION				
525-162PBV	Strong Arm with two ½" PEX Bend Lock Blocks for Vent Pipe with saddle clamp and stainless steel snap-lock band	B	25	25
STRONG ARM VENT BRACKETS – BULK				
525-24TX2	24" Strong Arm Bracket with extra twists	B	100	100

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

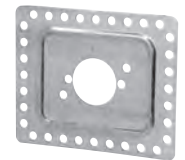
Lock Block™ Faceplate

Flexible Tube Support

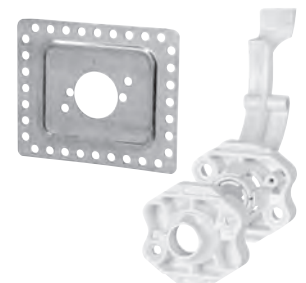
- New faceplate works with both PEX Bend or Standard Lock Blocks™
- Nail directly to stud or retrofit by attaching to pre-existing horizontal brace
- Ideal for re-piping projects



525-P22



525-P2M



525-P2M1

Item No.	Description	Pkg	Min Qty	Case Qty
525-P2	½" PEX Bend (elbow only)	B	50	50
525-P22	½" PEX Bend with Lock Block (no brackets)	B	50	50
525-P2M	Lock Block Faceplate	B	25	100
525-P2M1	Lock Block Faceplate with PEX Bend Lock Block	B	25	25



SUPPLY

DRAINAGE

SUPPORT

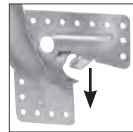
APPENDIX



550-M2



550-MP2



Bendable tab traps tube in place.

SideWinder™

Metal Bend Supports

Patent No. 6,352,224

- Forms tight radius 90° bends in flexible CTS tube without kinking
- Nail plate models have unique open corner which allows tube to be inserted after the bracket is installed and after tubing end has been plugged
- Pre-drilled hole for 3/8" (#3) rebar allows installer to use as a ground stake for flexible CTS tube
- Mount several Sidewinders to Power Bar™ to organize pipes underground before the pour



Item No.	Description	Pkg	Min Qty	Case Qty
550-M1	Metal bend for 3/8" PEX	B	50	50
550-M2	Metal bend for 1/2" PEX	B	50	50
550-M2PK	Metal bend for 1/2" PEX, 10/box	C*	10	10
550-MP2	Metal bend for 1/2" PEX with nail plate	B	25	25
550-MP2PK	Metal bend for 1/2" PEX with nail plate, 10/box	C*	10	10
550-M3	Metal bend for 3/4" PEX	B	25	25
550-M3LS	Metal bend for 3/4" PEX, Long Sweep	B	25	25
550-M3PK	Metal bend for 3/4" PEX, 10/box	C*	10	10
550-MP3	Metal bend for 3/4" PEX with nail plate	B	25	25

Straight Floor Sleeve

- Rigid support for flexible 1/2" CTS tubing
- Supports and protects tube through sub-floor going directly to the fixture
- Shorter tube option allows tube support to be concealed with an escutcheon when penetrating finished floor or base cabinet



550-FP2



550-FP2S



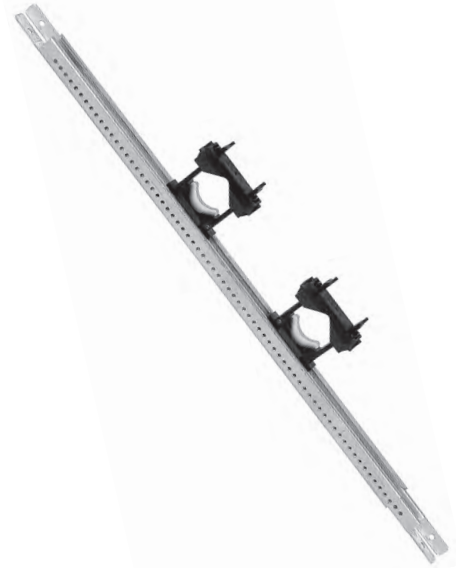
Item No.	Description	Pkg	Min Qty	Case Qty
550-FP2	1/2" CTS floor support	B	25	25
550-FP2S	1/2" CTS floor support with short tube protector	B	25	25

Power Bar™

Universal Slider Bracket

Patent # 6,446,915
 Patent # 6,402,096

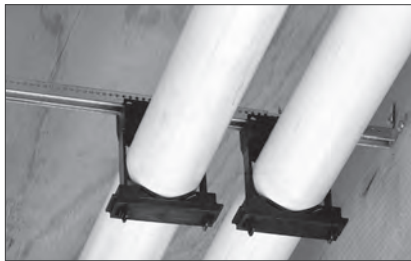
- Galvanized steel bracket and tough plastic clamp are strong and support tube or pipe without bowing
- Available with one, two or three TouchDown clamps pre-loaded to reduce installation time
- Shorter bracket expands to fit openings from 9" – 16"
- Longer bracket expands to fit openings from 14" – 26"
- Clamps secure ¼" – 1" CTS copper, CPVC or PEX



Drop ear: screw directly to the bracket for solid shower arms.



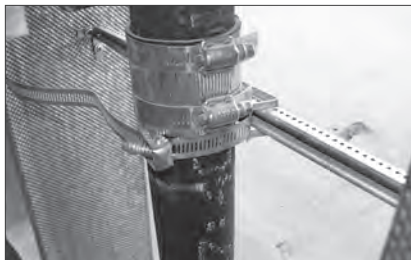
Tub/shower valve: fast, secure and professional installations.



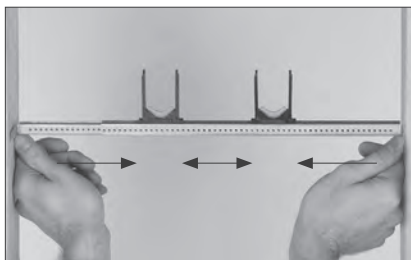
Large pipe: use TouchDown II™ clamps for pipe up to 2".



Wall bracket: use as a pipe stand-off and organizer.



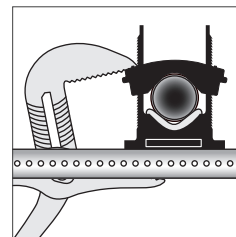
Use with Saddle-Up™ clamp to stabilize vertical vent or header pipes between floors.



Expand bracket to fit stud bay then slide clamps to preferred tube position.



Place tube inside clamps and cinch the bridge down evenly over posts to secure.



Overlap the Bracket. The bracket should overlap a minimum of 2" in center.

Fasten Securely. Make sure all four tabs are secured to the studs.

Cinch Evenly. Use pliers to evenly "bow the bridge" for maximum clamp tension.

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY



523-1610

DRAINAGE



523-2424



522-5501



522-100B



523-01

SUPPORT

APPENDIX



523-712W

523-734W

Power Bar™

Universal Slider Bracket

Patent # 6,446,915

Patent # 6,402,096

TouchDown™

Universal Pipe Clamp

- Clamps 1/4" - 1" CTS (copper, PEX or CPVC) tube and 1/8" - 1" Sch. 40 pipe
- Optional Pipe Down™ noise absorption blocks available
- E84 models meet ASTM E84 25/50 Flame/Smoke Spread and UL94 V-0 flame rating

Item No.	Description	Pkg	Min Qty	Case Qty
POWER BAR FOR 9"-16"				
523-16	1 bracket	B	50	50
523-1604	1 bracket, 6 drill-tip screws	B	50	50
523-1610	1 bracket, 1 TouchDown clamp	B	50	50
523-1614	1 bracket, 1 TouchDown clamp, 4 drill-tip screws	B	50	50
523-1620	1 bracket, 2 TouchDown clamps	B	50	50
523-1620PK1	1 bracket, 2 TouchDown clamps/card	C	10	10
523-1624	1 bracket, 2 TouchDown clamps, 4 drill-tip screws	B	50	50
523-1630	1 bracket, 3 TouchDown clamps	B	50	50
523-1634	1 bracket, 3 TouchDown clamps, 4 drill-tip screws	B	50	50
523-162001	50 brackets, 100 TouchDown clamps; bases loaded into bracket, bridges in bag	B	1	1
523-162401	50 brackets, 100 TouchDown clamps, 200 drill-tip screws; bases loaded into bracket, bridges in bag, screws in bag	B	1	1
POWER BAR FOR 14"-26"				
523-24	1 bracket	B	50	50
523-2404	1 bracket, 6 drill-tip screws	B	50	50
523-2414	1 bracket, 1 TouchDown clamp, 4 drill-tip screws	B	50	50
523-2420	1 bracket, 2 TouchDown clamps	B	50	50
523-2424	1 bracket, 2 TouchDown clamps, 4 drill-tip screws	B	50	50
523-2434	1 bracket, 3 TouchDown clamps, 4 drill-tip screws	B	50	50
523-242001	50 brackets, 100 TouchDown clamps; bases loaded into bracket, bridges in bag	B	1	1
523-242401	50 brackets, 100 TouchDown clamps, 200 drill-tip screws; bases loaded into bracket, bridges in bag, screws in bag	B	1	1
KITS				
523-1K52000	Chase Kit: 1 single-section Power Bar bracket, 2 TouchDown clamps, 1 DWV Saddle Clamp, one self-locking stainless steel band	B	10	10
TOUCHDOWN CLAMP WITH POWER BAR FOOT				
522-5500	100 bases, 100 bridges, 100 base inserts	B	100	100
522-5501	1 bridge, 1 base, 1 base insert/bag	B	100	100
523F5500	E84: 100 bases, 100 bridges, 100 base inserts	B	100	100
522-101	100 bridges	B	100	100
522-102	100 clamp base inserts	B	100	500
522-100B	Pipe Down bridge inserts, 100/bag	B	1	100
522-100BPK2	Pipe Down bridge Inserts, 10/bag	C*	1	10
ZIPSTRAP WITH POWER BAR FOOT ADAPTER				
523-01	1 ratchet-locking strap with Power Bar foot adapter and screw	B	10	50
PLENUM SAFE™				
523F5500	E84: 100 bases, 100 bridges, 100 base inserts	B	100	100
523F2424	1 bracket, 2 E84 TouchDown clamps, 4 drill-tip screws	B	50	50
ComboSaddle™				
523-712W	for 1-1/2" - 2" Sch. 40 with screw		10	50
523-734W	ComboSaddle™ for 3" - 4" Sch. 40 with screw		10	50



Slider™

Adjustable Multi-Purpose Bracket

- Two-piece design adjusts to a range of openings
- 20-gauge galvanized steel or copper-plated steel for spot soldering (heat the tube, not the bracket)
- Pre-drilled models have 1/8" pilot holes on 13/64" centers



520-19



520-419



520-19T



520-419T

Item No.	Description	Pkg	Min Qty	Case Qty
ADJUSTABLE BRACKET WITH SELF-NAILING TABS				
520-19	12"-19", galvanized steel	B	50	50
520-19PK	12"-19", galvanized steel	C*	50	50
520-19C	12"-19", copper-plated	B	50	50
520-19CPK	12"-19", copper-plated	C*	25	25
520-24	19"-24" (3 pieces), galvanized steel	B	25	25
520-419	12"-19", galvanized steel with pilot holes	B	50	50
ADJUSTABLE BRACKET WITH FLAT TABS				
520-19T	12"-19", galvanized steel	B	50	50
520-19TC	12"-19", copper-plated	B	50	50
520-419T	12"-19", galvanized steel with pilot holes	B	50	50
520-419TC	12"-19", copper-plated with pilot holes	B	50	50

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

NEW Simple Strap™

- Low cost stub out clamp
- Use with flat Support Bracket (sold separately)
- Supports 1/2" and 3/4" CTS horizontally or vertically when bracket is repositioned
- Compatible with Copper, PEX or CPVC



525-02



525-03



Related Product
Support Bracket

p 460

Item No.	Description	Pkg	Min Qty	Case Qty
525-02	1/2 CTS	B	100	1000
525-03	3/4 CTS	B	100	1000



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Edge Support System™

Copper-plated and Galvanized Angle Brackets

Edge Clamp Patent No. 7,549,613

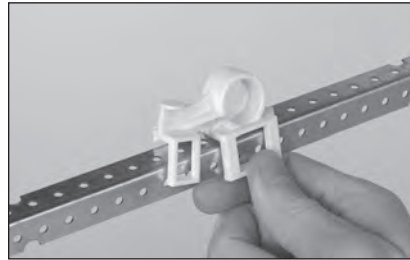
- Angle design provides rigid cross brace between studs
- Single clamp supports both vertical and horizontal applications
- Supports any 1/2" or 3/4" CTS (copper, PEX or CPVC) tube
- Glue Edge Clamp to CPVC at horizontal wall penetrations



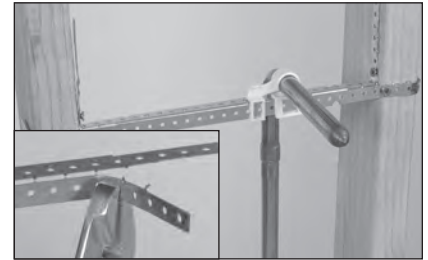
520-E24C



520-EC2



Position Edge™ Clamp anywhere along the bracket to support tube.



Using pliers, tear bracket to fit between narrow stud bays.



Use Edge Clamps with galvanized models.



Solder copper tube directly to copper-plated models.



Item No.	Description	Length	Pkg	Min Qty	Case Qty
COMPONENTS					
520-16CPK	Copper-plated bracket with flat tabs	16"	C*	25	25
520-E16	Galvanized bracket with flat tabs	16"	B	100	100
520-E16C	Copper-plated bracket with flat tabs	16"	B	100	100
520-E24	Galvanized bracket with flat tabs	24"	B	100	100
520-E24C	Copper-plated bracket with flat tabs	24"	B	100	100
520-EC2	1/2" CTS Edge clamp		B	100	1000
520-EC3	3/4" CTS Edge clamp		B	100	1000

Support Bracket

Multi-Purpose Galvanized Bracket

- 5/8" wide, 16 gauge
- Use with any 2-hole tube or suspension clamp or Simple Strap™



525-18

Related Product
Simple Strap™

p 459



Item No.	Length	Pkg	Min Qty	Case Qty
525-18	18"	B	100	100
525-20	20"	B	100	100
525-26	26"	B	100	100

Secure-All™

Copper-plated Bracket

Patent # 7,039,965

- Reduce inventory with one bracket that features multiple hole sizes and notches
- Stiffening ribs on top and bottom provide ultimate rigidity
- Heavy gauge copper-plated steel
- All holes and notches are extruded for maximum soldering surface
- Bracketing area on 521-851 is 14" and on 521-852 is 22"
- Heat the tube, not the bracket



521-851



521-852

SUPPLY

DRAINAGE

SUPPORT

Item No.	Dimensions	Holes	Notches	Gauge	Pkg	Min Qty	Case Qty
521-851	2" x 20"	1/2" CTS, 2" O.C. (7) 3/4" CTS, 4" O.C. (3) 1" CTS, 4" O.C. (3)	1/2" CTS, 2" O.C. (7) 3/4" CTS, 2" O.C. (6)	18	B	50	50
521-851PK	2" x 20"	1/2" CTS, 2" O.C. (7) 3/4" CTS, 4" O.C. (3) 1" CTS, 4" O.C. (3)	1/2" CTS, 2" O.C. (7) 3/4" CTS, 2" O.C. (6)	18	C*	25	25
521-852	2 3/8" x 26"	1/2" CTS, 2" O.C. (11) 3/4" CTS, 4" O.C. (5) 1" CTS, 4" O.C. (5)	1/2" CTS, 2" O.C. (11) 3/4" CTS, 2" O.C. (10)	18	B	50	50



Stub Out Bracket

Copper-plated

- Extruded models provide four times the soldering surface for extra strength
- Heat the tube, not the bracket

Galvanized

- For use with Pipe Eye metal stud insulators



521-118



521-810



521-318



521-360

APPENDIX



Related Products

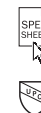
Pipe Eye

p 427



521-3725B

Item No.	Dimensions	Holes	Extruded Holes	Gauge	Pkg	Min Qty	Case Qty
COPPER-PLATED							
521-118	1 1/4" x 20"	1/2" CTS, 2" O.C. (8)		16	B	50	50
521-118R	1 1/4" x 20"	1/2" CTS, 2" O.C. (7)	✓	16	B	25	25
521-126	1 1/4" x 26"	1/2" CTS, 2" O.C. (11)		16	B	50	50
521-810	1 3/4" x 20"	1/2" CTS, 2" O.C. (7) 3/4" CTS, 4" O.C. (4) 1" CTS, 4" O.C. (4)		16	B	50	50
521-810PK	1 3/4" x 20"	1/2" CTS, 2" O.C. (7) 3/4" CTS, 4" O.C. (4) 1" CTS, 4" O.C. (4)		16	C*	50	50
521-820	1 3/4" x 20"	1/2" CTS, 2" O.C. (7) 3/4" CTS, 4" O.C. (4) 1" CTS, 4" O.C. (3)	✓	24	B	50	50
GALVANIZED							
521-318	2" x 20"	1 11/32", 2" O.C. (7)		14	B	50	50
521-360	2" x 26"	1 11/32", 2" O.C. (11)		14	B	50	50
521-3725B	3" x 4 3/4"	1 11/32", 2" O.C. (2)		14	B	100	100



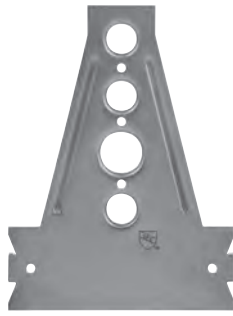
Except Galvanized models

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



521-6415
(wood studs)



521-6416
(metal studs)

Stub Out Bracket with Stud Guard

Copper-Plated

- 16-gauge with built-in stud guard
- Ideal for water closets and hose bibb applications
- Positions 1/2" CTS at 2 1/4", 4 3/4" or 6" from floor for water closets and 3/4" CTS at 3 1/2" from floor or side rough for other piping needs
- Two models, one designed for wood studs and one designed for metal studs

Item No.	Holes	Self-nailing Tabs	Gauge	Pkg	Min Qty	Case Qty
521-6415	1/2" CTS (3) 3/4" CTS (1)	✓	16	B	25	25
521-6416	1/2" CTS (3) 3/4" CTS (1)		16	B	25	25



A-1 Pipe Bracket™

Stub Out Bracket

Patent #7,520,474

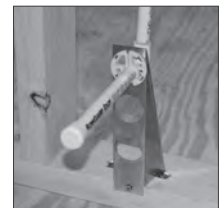


521-6417



521-6418

- Allows both supply lines to be installed off one stud and to one side of the drain pipe
- Copper-plated bracket supports both 1/2" and 3/4" water supplies
- Galvanized bracket supports 1/2" through 1" water supplies when used with Pipe Eye insulators
- Cantilevered design provides rigid support
- Works great for hose bibbs or sillcocks
- Bend front tab to mount bracket inside stud bay to stabilize vertical pipe runs



Related Products
Pipe Eye™

p 427

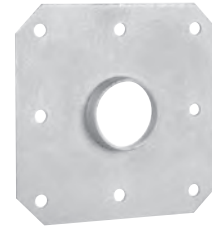


Item No.	Description	Pkg	Min Qty	Case Qty
521-6417	Copper-plated	B	50	50
521-6418	Galvanized	B	50	50

Solder Straps

Copper-eared Tube Hanger

- 1/8" mounting holes align with most conventional brackets
- 17-gauge copper-plated steel
- Spot solder to copper tube (heat the tube, not the strap)



505-24



505-29



505-5



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No.	Description	Pkg	Min Qty	Case Qty
SQUARE O STRAP™				
505-24	1/2" CTS	B	100	100
505-34	3/4" CTS	B	100	100
505-44	1" CTS	B	50	50
SOLDER O STRAP™				
505-29	1/2" CTS	B	100	500
505-39	3/4" CTS	B	100	500
505-49	1" CTS	B	50	50
SOLDER C STRAP™				
505-5	1 1/4" CTS	B	25	100

NEW

Copper Star™

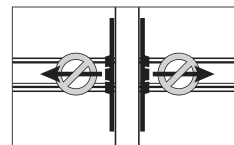
Tube Locking One-Way Push Nut

- 20-gauge pure copper, 2" O.D.
- Slides over and locks copper tube into place
- Secures copper tube when penetrating walls and floors



612-2

Item No.	Description	Pkg	Min Qty	Case Qty
612-2	1/2" CTS	B	50	500
612-2PK2	1/2" CTS, 5/bag	C*	10	10
612-3	3/4" CTS	B	25	250
612-3PK2	3/4" CTS, 5/bag	C*	10	10
612-4	1" CTS	B	25	250



Two Copper Stars™ prevent movement in either direction



508-3PK

CTS Bell Hanger

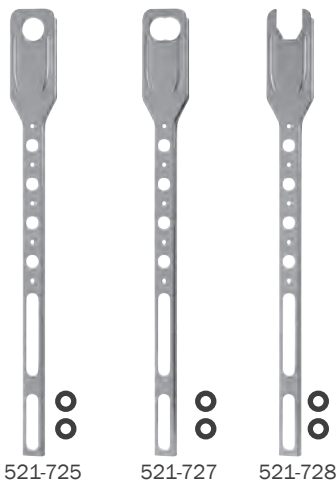
Copper-plated Steel

- 13/16" stand-off
- Includes two clamp screws and one 2 1/2" mounting screw
- Recessed hole for mounting screw



Extend stand-off distance with 1" CTS.

Item No.	Description	Pkg	Min Qty	Case Qty
IMPORTED				
508-2PK	1/2" CTS	C*	25	25
508-3PK	3/4" CTS	C*	25	25
508-4PK	1" CTS	C*	25	25
DOMESTIC				
508-2B	1/2" CTS	B	25	25
508-3B	3/4" CTS	B	25	25
508-4B	1" CTS	B	25	25



521-725

521-727

521-728

Carrier Bracket

Copper-plated

- Channel design extends the entire length of the bracket for maximum strength and rigidity
- Supports water pipe for flush valve 26 1/2" above floor and offsets stub out at 4 1/2" or 4 3/4" from carrier center
- Washers included

Item No.	Description	Gauge	Pkg	Min Qty	Case Qty
521-725	1" CTS hole	16	B	5	5
521-726	1" CTS hole - Domestic	16	B	5	5
521-727	1" CTS double hole	16	B	5	5
521-728	1" CTS notch (for prefab)	16	B	5	5



Chase Bracket™

Copper-plated

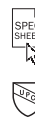
Patent No. D 558,567

- Cradles copper water headers up to 3" diameter
- Spot solder to copper water header. (heat the pipe, not the bracket)
- Heavy duty 16 gauge
- Available with or without 5" stainless steel band
- Wide cradle gives maximum soldering surface



521-723

Item No.	Description	Pkg	Min Qty	Case Qty
521-723	Chase Bracket with 5" s/s band	B	25	25
NEW 521-723BB	Chase Bracket copper-plated - Domestic	B	25	25

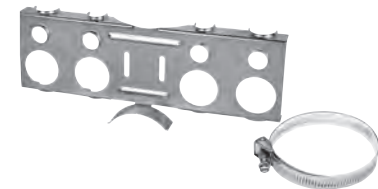


Install on stack or vent pipe or secure directly to wall

Commercial Alignment Bracket

Copper-plated

- Aligns vertical or horizontal pipes in straight runs, especially between floors
- Attaches to vent or waste pipe
- 18-gauge copper-plated steel
- Snap-lock stainless steel band and self-adhesive felt provided



521-110

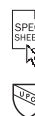


521-111



521-113

Item No.	Description	Pkg	Min Qty	Case Qty
521-110	Positioning bracket for 1/2" stub outs on 4" or 8" centers	B	25	25
521-111	Stabilizing combo bracket for 1/2" and 3/4" vertical runs in walls 3 1/2" or wider	B	50	50
521-112	Multi-purpose bracket for lav/sink stub outs or supporting 3/4" pipe on 6" centerlines between floors	B	50	50
521-113	Multi-purpose bracket for lav/sink stub outs or supporting 3/4" pipe on 8" centerlines between floors	B	50	50



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Pipe Titan™

Universal Bracketing System

Patent # 5,303,887

- Non-metallic – no electrolysis worries
- Isolates pipe and reduces noise
- Compatible with copper, PEX and CPVC

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



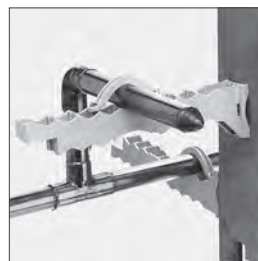
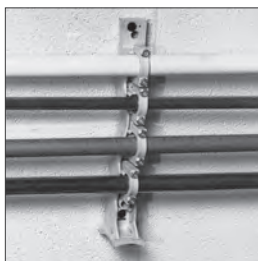
570-20



570-53



570-58



Support piping in mechanical chases, against, or standing off of piping, walls, studs, ceilings or floors.

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD GREEN				
570	1 standard green bracket	B	24	24
570-53	1 Titan strap with screws	B	50	1000
570-58	1 Titan clamp with screws	B	50	50
570-10	Kit: 1 bracket, 2 straps, 1 clamp	B	24	24
570-20	Plus 5 kit: 1 bracket, 2 straps, 1 clamp, one 5" stainless steel band	B	24	24
570-22	Plus 5L kit: 1 bracket, 2 straps, 1 clamp, one 5" stainless steel snap-lock band	B	24	24
570-24	Plus 7 kit: 1 bracket, 2 straps, 1 clamp, one 7" stainless steel snap-lock band	B	24	24
FLAME RETARDANT RED				
572	1 flame retardant red bracket	B	24	24
572-53	1 flame retardant Titan strap with screws	B	50	250
572-58	1 flame retardant Titan clamp with screws	B	50	50
572-20	Plus 5 kit: 1 bracket, 2 straps, 1 clamp, one 5" stainless steel band	B	24	24
572-22	Plus 5L kit: 1 bracket, 2 straps, 1 clamp, one 5" stainless steel snap-lock band	B	24	24
572-24	Plus 7 kit: 1 bracket, 2 straps, 1 clamp, one 7" stainless steel snap-lock band	B	24	24
STAINLESS STEEL BANDS				
574-72	5" diameter standard	B	50	50
574-73	3" diameter snap-lock	B	50	50
574-75	5" diameter snap-lock	B	50	50
574-77	7" diameter snap-lock	B	50	50





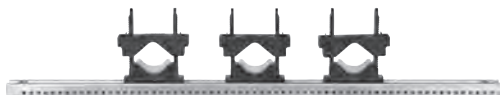
Power Bar Mini Strut™

Steel Support Bracket

Patent No. 6,446,915

- Single Bracket with two pre-drilled holes accepts 3/8" threaded rod
- Available with or without pre-loaded TouchDown™ clamps
- Ideal for a variety of overhead piping needs

SUPPLY



523-2MS3

DRAINAGE

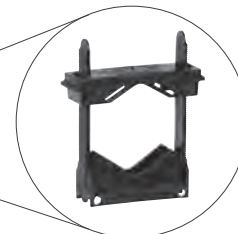
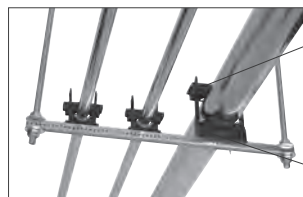


523-3MSS2

SUPPORT



523-3MSS3



Purchase Touchdown II™ separately for larger pipe sizes.

APPENDIX



523-3MSS



523-3MSL

Item No.	Description	Pkg	Min Qty	Case Qty
LIGHT DUTY POWER BAR MINI STRUT (20-GA.)				
 523-2MS	1 bracket, 13-5/8"	B	50	50
 523-2MS2	1 bracket, 2 TouchDown clamps	B	50	50
 523-2MS3	1 bracket, 3 TouchDown clamps	B	50	50
 523-2MS4	1 bracket, 4 TouchDown clamps	B	50	50
HEAVY DUTY POWER BAR MINI STRUT (16-GA.)				
 523-3MSL	Long bracket, 26"	B	25	25
 523-3MSS	Short bracket, 15"	B	25	25
 523-3MSS2	Short bracket (15") with 2 TouchDown clamps	B	25	25
 523-3MSS3	Short bracket (15") with 3 TouchDown clamps	B	25	25
TOUCHDOWN CLAMP				
522-5500	100 bases, 100 bridges, 100 base inserts	B	100	100
522-5501	1 bridge, 1 base, 1 base insert/bag	B	100	100
550-20	Touchdown II: base, bridge & screws	B	50	50



Saddle-Up™

DWV Saddle Clamp

- Ideal for stabilizing vertical pipes between floors when used with Power Bar™
- Galvanized clamp with or without bands
- Fasten directly to block walls



Use with Power Bar or mount directly to wall.

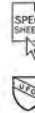
When suspending larger diameter pipes, use with the Power Bar Mini Strut™.



523-1B

[CLICK FOR SUBMITTAL](#)

Item No.	Description	Pkg	Min Qty	Case Qty
SADDLE-UP CLAMPS				
523-1	Clamp only	B	50	50
523-1B	Clamp with 5" snap-lock s/s band	B	5	50
523-1C	Clamp with 4" snap-lock s/s band	B	5	50
523-1D	Clamp with 3" snap-lock s/s band	B	5	50
BULK STAINLESS STEEL BANDS				
574-72	5" diameter standard	B	50	50
574-74	4" diameter snap-lock	B	50	50
574-75	5" diameter snap-lock	B	50	50
574-77	7" diameter snap-lock	B	50	50
574-710	10" diameter snap-lock	B	10	10



Self-Adhesive Felt

- CPVC compatible adhesive
- Cut felt to any desired length
- Isolates pipe and reduces noise



575-100Q

[CLICK FOR SUBMITTAL](#)

Item No.	Description	Pkg	Min Qty	Case Qty
575-100Q	2½" × 100 ft self-adhesive felt	B	1	12

SUPPLY



DRAINAGE



SUPPORT

APPENDIX

Sioux Chief Sammys™

Suspended Anchoring Systems

- Anchors for most common 3/8" all-thread rods
- Installs quickly and easily
- Vertical, horizontal or swivel applications
- Original American-made Sammy® Super Screws
- UL & FM listed

Item No.	Description	Rod Size	Length	Pkg	Min Qty	Case Qty
WOOD APPLICATIONS						
590-4411	GST20 vertical, 25/box	3/8"	2"	B*	1	5
590-4411-3	GST30 vertical, 25/box	3/8"	3"	B*	1	5
590-4421	SWG20 horizontal, 25/box	3/8"	2"	B*	1	5
590-4421-3	SWG30 horizontal, 25/box	3/8"	3"	B*	1	5
CONCRETE APPLICATIONS						
590-4412	CST20 vertical, 25/box	3/8"	1 3/4"	B*	1	5
590-4422	SWC20 horizontal, concrete, 25/box	3/8"	1 3/4"	B*	1	5
STEEL BEAM APPLICATIONS						
590-4413	DST20 vertical, 25/box	3/8"	1 1/4"	B*	1	5
590-4413-R	DSTR516 vertical, with nut, 25/box	3/8"	1 1/4"	B*	1	5
590-4423	SWDR516 horizontal, with nut, 25/box	3/8"	1 1/4"	B*	1	5
METAL DECK, PURLIN OR TUBULAR STEEL APPLICATIONS						
590-4433	XP20 X-Press 22-20 ga., metal deck, 25/box	3/8"	1 3/4"	B*	1	5
590-4434	XP35 X-Press 18-16 ga., Z-Purlin, 25/box	3/8"	1 3/4"	B*	1	5
590-4435	SXP20 swivel X-Press 22-20 ga., metal deck, 25/box	3/8"	2"	B*	1	5
590-4436	SXP35 swivel X-Press 18-16 ga., Z-purlin, 25/box	3/8"	2"	B*	1	5
INSTALLATION TOOLS						
590-44ND1	Nut driver #14 for vertical anchors (black), bagged			B*	1	12
590-44ND2	Nut driver #14SW for horizontal anchors (red), bagged			B*	1	12
590-44ND3	Nut driver kit for wood or concrete			B*	1	12
590-44ND4	UXPIT X-Press installation tool			B*	1	12
590-44ND4-BIT	XPDB X-Press 25/64" bit replacement			B*	1	12



Deck Anchors

Cast-In-Place Anchors for All-Thread Rod

- Install on wood or metal corrugated decks prior to the concrete pour
- Allows insert locations to be pre-planned eliminating overhead masonry anchors
- Installs quickly and easily to reduce labor costs
- Color-coded by rod size, plastic sleeve keeps threads clean
- Easy to locate after the pour



544-2MD



544-2WD

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No.	Description	Sleeve Color	Pkg	Min Qty	Case Qty
WOOD DECK ANCHORS					
544-2WD	Wood deck insert for 3/8" all-thread rod	green	B	50	50
544-3WD	Wood deck insert for 1/2" all-thread rod	yellow	B	50	50
544-4WD	Wood deck insert for 5/8" all-thread rod	red	B	50	50
544-5WD	Wood deck insert for 3/4" all-thread rod	blue	B	25	25
METAL DECK ANCHORS					
544-2MD	Metal deck insert for 3/8" all-thread rod	green	B	50	50
544-3MD	Metal deck insert for 1/2" all-thread rod	yellow	B	50	50
544-4MD	Metal deck insert for 5/8" all-thread rod	red	B	50	50
544-5MD	Metal deck insert for 3/4" all-thread rod	blue	B	25	25



3/8" All-thread Rod

- Zinc-plated carbon steel
- Packed in protective corrugated tubes



544

Item No.	Description	Pkg	Min Qty	Case Qty
544	3/8" x 6 ft	T*	20	20





540



541-CPK2



542-PK2



Commercial Beam Clamp & Connector Products

- Most popular steel I-beam options for commercial applications
- Ductile iron
- Use with 3/8" all-thread rod

Item No.	Description	Pkg	Min Qty	Case Qty
SIDE BEAM CONNECTOR				
540	Malleable iron	B	20	200
TOP PLATE CONNECTOR				
541-CPK2	Epoxy-coated, 1/bag	C*	20	20
541-GPK2	Zinc-plated, 1/bag	C*	20	20
TOP BEAM CLAMP				
542-PK2	MSS SP58 Type 19, 1/bag	C*	10	10

Clevis Hanger

- Copper-plated or galvanized steel
- For use with 3/8" all-thread rod
- For suspension of light loads, pipe or conduit
- MSS-SP58 Type 1



515-3CPK2



515-2GPK2



Item No.	Description	Pkg	Min Qty	Case Qty
COPPER-PLATED				
515-2CPK2	1/2" CTS, 1/bag	C*	10	10
515-3CPK2	3/4" CTS, 1/bag	C*	10	10
515-4CPK2	1" CTS, 1/bag	C*	10	10
515-5CPK2	1 1/4" CTS, 1/bag	C*	10	10
515-6CPK2	1 1/2" CTS, 1/bag	C*	10	10
515-7CPK2	2" CTS, 1/bag	C*	10	10
GALVANIZED				
515-2GPK2	1/2" IPS, 1/bag	C*	10	10
515-3GPK2	3/4" IPS, 1/bag	C*	10	10
515-4GPK2	1" IPS, 1/bag	C*	10	10
515-5GPK2	1 1/4" IPS, 1/bag	C*	10	10
515-6GPK2	1 1/2" IPS, 1/bag	C*	10	10
515-7GPK2	2" IPS, 1/bag	C*	10	10
515-8GPK2	2 1/2" IPS, 1/bag	C*	10	10
515-9GPK2	3" IPS, 1/bag	C*	10	10
515-10GPK2	4" IPS, 1/bag	C*	10	10

Split Ring Hanger

- Malleable iron (imported) or stamped steel (domestic)
- For use with $\frac{3}{8}$ " all-thread rod
- For suspension of non-insulated stationary pipe
- MSS-SP58 Type 13



516-4CPK2



516-2CB

SUPPLY

DRAINAGE

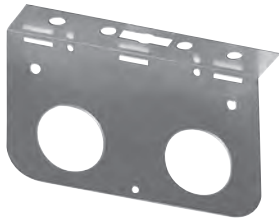
SUPPORT

APPENDIX

Item No.	Description	Pkg	Min Qty	Case Qty
EPOXY-COATED, IMPORTED				
516-2CPK2	$\frac{1}{2}$ " CTS, 1/bag	C*	20	20
516-3CPK2	$\frac{3}{4}$ " CTS, 1/bag	C*	20	20
516-4CPK2	1" CTS, 1/bag	C*	10	10
516-5CPK2	$1\frac{1}{4}$ " CTS, 1/bag	C*	10	10
516-6CPK2	$1\frac{1}{2}$ " CTS, 1/bag	C*	10	10
516-7CPK2	2" CTS, 1/bag	C*	10	10
GALVANIZED, IMPORTED				
516-2GPK2	$\frac{1}{2}$ " IPS, 1/bag	C*	20	20
516-3GPK2	$\frac{3}{4}$ " IPS, 1/bag	C*	20	20
516-4GPK2	1" IPS, 1/bag	C*	10	10
516-5GPK2	$1\frac{1}{4}$ " IPS, 1/bag	C*	10	10
516-6GPK2	$1\frac{1}{2}$ " IPS, 1/bag	C*	10	10
516-7GPK2	2" IPS, 1/bag	C*	10	10
COPPER-PLATED, DOMESTIC				
NEW 516-2CB	$\frac{1}{2}$ " CTS	B	100	100
NEW 516-3CB	$\frac{3}{4}$ " CTS	B	100	100
NEW 516-4CB	1" CTS	B	100	100
NEW 516-5CB	$1\frac{1}{4}$ " CTS	B	100	100
NEW 516-6CB	$1\frac{1}{2}$ " CTS	B	100	100
NEW 516-7CB	2" CTS	B	100	100
GALVANIZED, DOMESTIC				
NEW 516-2GB	$\frac{1}{2}$ " IPS	B	100	100
NEW 516-3GB	$\frac{3}{4}$ " IPS	B	100	100
NEW 516-4GB	1" IPS	B	100	100
NEW 516-5GB	$1\frac{1}{4}$ " IPS	B	100	100
NEW 516-6GB	$1\frac{1}{2}$ " IPS	B	100	100
NEW 516-7GB	2" IPS	B	100	100



SUPPLY



521-558



521-557

DRAINAGE

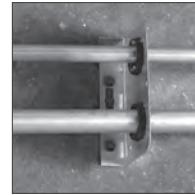
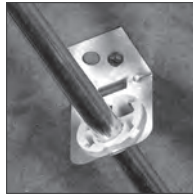


521-559

Pipe Eye Suspension Bracket™

Galvanized Steel

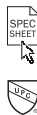
- Supports copper, PEX or CPVC tubing
- Includes one, two or four 1¹¹/₃₂" holes
- Use with Pipe Eye™ insulators
- Suspend bracket with 3/8" all-thread rod
- Multiple nail holes and slots for installation flexibility
- Can be mounted to a concrete pan before the pour



SUPPORT

Related Products
Pipe Eye™

p 427



Item No.	Description	Gauge	Pkg	Min Qty	Case Qty
521-557	Single hole	21	B	25	25
521-558	Double hole	21	B	25	25
521-559	Quadruple hole	21	B	25	25

APPENDIX

Pipe Eye™

» See page 427

- Fits 1¹¹/₃₂" holes in metal studs or brackets
- Split Design. Offset hole for adjustable tube position
- Reduces expansion/contraction noise in hot water lines
- Flame retardant models meet UL94 V-2 flame rating
- Plenum Safe™ models meet ASTM E84 25/50 Flame/Smoke Spread and UL94 V-0 flame rating



CONSIDER SIOUX CHIEF AS YOUR

**ROUGH
PLUMBING
ARMORY**

TOGETHER, WE WILL TAKE THE FIELD.

» SUPPORT > SUPPLY HANGERS > Pipe Eye

TouchDown+™ Strut Clamp

Large Universal Pipe Clamp for Strut

- No tools required for fast and easy installation
- One clamp fits 1/2" CTS tube (copper, PEX or CPVC) – 2" IPS (steel or plastic)
- Use two bridges for tandem pipe runs



Insert base, twist and lock into strut channel.



Strut Dam prevents clamp from sliding down when strut is mounted vertically to wall or surface.



550-2TA

TD+™ STRUT CLAMP MODELS				
550-210	TD+™ Bridge Only	EA	25	250
550-2121	Universal Strut Clamp 1/bag	BG	50	50
550-2121PK3	Universal Strut Clamp Contractor Pack (50/box)	BX	1	1
550-2122	Universal Strut Clamp with 2 Bridges	BG	1	25
550-2121Q	PipeDown™ Acoustical Universal Strut Clamp 1 set/bag	BG	1	25
550-2122Q	PipeDown™ Acoustical Universal Strut Clamp with 2 Bridges & 4 Cushions	BG	1	25

TouchDown™ Beam Clamp

Universal Pipe Clamp

- Two clamp sizes available in standard or Plenum Safe™ models
- Clamp pivots easily and attaches to I-beams or steel truss members for parallel or perpendicular pipe runs
- 550-11E clamps 1/4" – 1" CTS tube (copper, PEX or CPVC) and 1/8" – 1" Sch. 40 pipe (steel or plastic)
- 550-20E clamps 1/2" – 2" CTS tube (copper, PEX or CPVC) and 3/8" – 2" Sch. 40 (steel or plastic)



550-11E



550-20E

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
550-11E	1 TouchDown bridge, 1 base with attached beam clamp/bag	B	100	100
550-20E	1 TouchDown II bridge, 1 base, 1 screw, beam clamp/bag	B	25	25
PLENUM SAFE™				
550F11E	E84 1 TouchDown bridge, 1 base with attached beam clamp/bag	B	25	100
550F20E	E84 1 TouchDown II bridge, 1 base, 1 screw, beam clamp/bag	B	25	25



SPEC SHEET

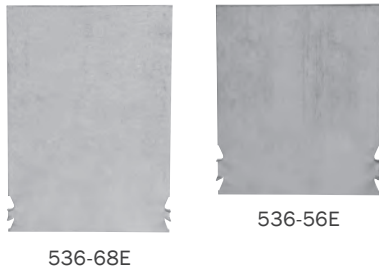
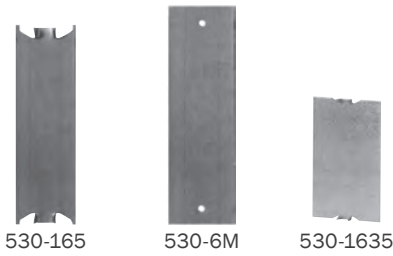
Stud Guard

- Available in 16-gauge or 18-gauge material
- 530-6M is ideal for metal stud projects

SUPPLY

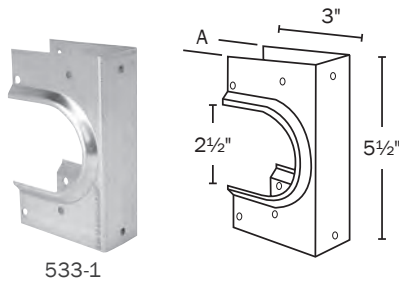
DRAINAGE

SUPPORT



Item No.	Description	Gauge	Distance Between Nail Points	Pkg	Min Qty	Case Qty
530-3	1½" × 3" self-nailing	18	2½"	B	100	100
530-3PK	1½" × 3" self-nailing	18	2½"	C*	100	100
530-5	1½" × 5" self-nailing	18	4½"	B	100	100
530-5PK	1½" × 5" self-nailing	18	4½"	C*	100	100
530-6	1½" × 6" self-nailing	18	5½"	B	100	100
NEW 530-6PK	1¼" × 6" self-nailing	18	5½"	C*	100	100
530-6M	1½" × 6" with nail holes	16	—	B	100	100
530-163	1½" × 3" self-nailing	16	2½"	B	100	100
530-165	1½" × 5" self-nailing	16	4½"	B	100	100
530-166	1½" × 6" self-nailing	16	5½"	B	100	100
NEW 530-166PK	1½" × 6" self-nailing IBC	16	5½"	C*	100	100
530-1635	3" × 5" self-nailing, double	16	4½"	B	100	100
536-35	3" × 5" offset self-nailing	16	—	B	100	100
536-36	3½" × 6" self-nailing	16	—	B	50	50
536-56E	5" × 6" offset self-nailing	16	—	B	50	50
536-58	5" × 8" self-nailing, with nail holes	16	3	B	50	50
536-68E	6" × 8" offset self-nailing	16	—	B	50	50

APPENDIX



533-1

Stud Shoe

- 16-gauge steel
- Formed rib provides added strength
- Installs over pipe up to 2¾" O.D.
- Meets IRC 602.6



Item No.	Description	Dimensions A	Pkg	Min Qty	Case Qty
533-1	Single	1.58"	B	25	25
533-2	Double	3.125"	B	25	25
533-3	Triple	4.7"	B	10	10

Shield Plate

- Available in 16- or 18-gauge material



Item No.	Description	Gauge	Nail Holes	Pkg	Min Qty	Case Qty
536-09	1½" × 9"	16	8	B	50	50
536-12	1½" × 12"	16	8	B	50	50
536-18	1½" × 18"	16	16	B	50	50
536-85	5" × 8"	16	6	B*	50	50
536-612	6" × 12"	16	16	B	25	25
536-616	6" × 16" galvanized	16	2	B	25	25
538-09	1½" × 9"	18	8	B	50	50
538-09PK	1½" × 9"	18	8	C*	50	50
538-12	1½" × 12"	18	8	B	50	50
538-18	1½" × 18"	18	8	B	50	50
539-6	3½" × 6"	16	6	B	50	50
539-18	3½" × 18"	16	16	B	25	25
539-518	5" × 18"	16	16	B	25	25

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Try Me Packs
Order Form



“You have a terrific company; awesome people all lead by obviously dynamic owners and management. We look forward to growing our business and strengthening our relationship.”

Scott Smith
F. W. Webb

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SUPPORT

APPENDIX

Z

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Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
104-22	191	10	120		500038	0.3650	200-092	236	25	25		105011	0.4801
104-23	191	10	90		500045	0.7830	213-090	236	25	25		105028	0.3483
104-24	191	6	60		500052	1.1790	213-092	236	25	25		105035	0.3483
105-22	191	10	120		500069	0.4250	234-QP	413	25	100		300003	0.0350
105-23	191	10	60		500076	0.7980	250-11	397	1	4		501769	0.6041
105-24	191	6	36		500083	1.2020	250-11A	397	1	6	✓	105110	0.3250
106-C22	164	10	100		519153	0.1362	250-11AC	397	1	8		501776	1.1475
106-C23	164	10	100		519146	0.2469	250-11P	397	1	6	✓	105127	0.3250
106-C24	164	10	100		519139	0.2599	250-11PC	397	1	8		501813	1.3131
111-22	192	10	100		500090	0.4900	250-11TB	397	1	6	✓	100658	0.5033
111-23	192	10	100		500106	0.5950	250-11TW	397	1	6	✓	100641	0.5533
113-32	192	10	10		500144	0.5230	250-12	397	1	4		501332	0.6425
113-33	192	10	100		500151	0.5520	250-122AB	397	50	50	✓	501981	0.2614
113-C32	165	25	25		400017	0.5959	250-122AC	397	1	8		501950	1.4950
117-03	194	20	240		500182	0.2340	250-122PB	397	50	50	✓	502025	0.3044
117-22	193	10	100		500199	0.6396	250-122PC	397	1	8		502001	1.7625
117-C22	165	25	25		400055	0.6455	250-12A	397	1	6	✓	105141	0.3217
117-C223E	165	25	25		400277	0.6831	250-12AC	397	1	8		501752	2.6850
117X22	61	25	25		400383	0.6106	250-12P	397	1	6		105134	0.3667
118-01	194	12	12		500007	0.0770	250-12PC	397	1	8		501844	1.5694
118-02	194	12	12		500212	0.0070	250-696R122A	255	1	6	✓	410948	1.0333
118-03	194	1	1		500229	0.0130	250-696R122P	255	1	6	✓	410931	0.8750
118-04	194	12	12		500236	0.0060	250-696122A	255	1	6	✓	502032	0.8817
118-05	194	12	12		506672	0.0010	250-696122P	255	1	6	✓	502049	0.8283
118-06	194	1	1		500342	0.0020	280-A266537	83	10	2500		567062	0.0050
118-07	194	1	1		500441	0.0140	280-A266607	83	50	1000		567079	0.0017
118-08	194	1	1		500274	0.0270	280-A266617	83	50	1000		567086	0.0022
118-0904	194	1	1		500281	0.1160	280-A266627	83	25	25		567093	0.0736
118-0906	194	1	1		500298	0.1400	280-A266637	83	25	25		567109	0.1080
118-0908	194	1	1		500304	0.1580	280-A266647	83	25	25		567116	0.1312
118-0910	194	1	1		500311	0.1760	304-08	83	12	72	✓	510150	0.2760
118-0912	194	1	1		500328	0.3050	304-1	83	1	50		500571	0.0726
118-204	193	2	40		510006	1.0500	304-11	83	1	12	✓	567161	0.6750
118-206	193	2	40		510013	1.1350	304-12	83	1	12	✓	566119	0.3379
118-208	193	2	40		510020	1.2240	304-12B	83	1	12		566102	2.4279
118-210	193	2	40		510044	1.2960	305-100PK1	81	1	10	✓	520425	1.1796
118-210PK	193	5	5	✓	489173	1.7020	305-20CPK	81	1	10	✓	500823	2.6786
118-212	193	2	40		510075	1.3590	305-23CPK	81	1	10	✓	566829	3.2000
118-C208	165	5	5		400390	1.3841	305-30CPK	81	1	10	✓	500830	3.0665
118-C210	165	5	5		406156	1.4915	305-40CPK	81	1	10	✓	566836	3.6000
118X204P	61	5	5		510082	1.2019	305-41CKIT	81	1	10	✓	202543	4.1375
118X206P	61	5	5		510099	1.2274	305-82TX	82	1	10	✓	500175	4.6495
118X208P	61	5	5		489081	1.2020	305-83TX	82	1	10	✓	501134	4.6495
118X210P	61	5	5		510105	1.3120	305-84TX	82	1	10	✓	501677	5.3950
118X212P	61	5	5		510112	1.3940	305-85TX	82	1	12	✓	501738	0.1808
118X212PPK	61	4	4	✓	489128	1.4991	305-91PK	81	1	12	✓	566669	3.2187
119-00	194	1	25		566195	0.0144	305-92PK	81	1	10	✓	566676	3.4107
119-01	194	1	10		566652	0.0957	305-92TX	82	1	10	✓	501905	2.6300
119-03	194	1	10		566218	0.0699	305-93PK	81	1	10	✓	566683	3.5908
119-04	194	1	25		566225	0.0087	305-95	81	12	12	✓	504333	0.0813
119-07	194	1	100		566232	0.1354	305-99	82	1	10	✓	566454	0.8168
119-08	194	1	6		566249	0.0216	305-A137964	146	1	1		500168	5.2500
119-08C	194	1	6		566256	0.0851	305-A139092	83	1	10		566874	2.5287
119-0904	194	1	10		566263	0.0844	305-A139092B	83	1	25		566089	0.3930
119-0906	194	1	10		566270	0.1043	305-A139592-0	146	1	1	✓	566881	1.6512
119-0908	194	1	10		566287	0.1257	305-A235407	148	1	1		566898	75.0000
119-0910	194	1	10		566294	0.1426	305-A235417-5	146	1	1		566997	0.4645
119-0912	194	1	10		566300	0.1693	305-A235427-6	146	1	1		567000	1.2700
119-10	194	1	6		566317	0.0877	305-A235437-7	146	1	1		567017	2.1500
119-204	193	1	25		518811	1.5395	305-A235497	146	1	1		566904	5.8100
119-206	193	1	25		518828	1.5454	305-A243107	147	1	1		566911	2.9375
119-208	193	1	25		518835	1.7200	305-A243737	146	1	1		566955	3.4167
119-210	193	1	25		518842	1.7196	305-A243767	146	1	1		566928	0.9000
119-210CPK	193	5	5	✓	518859	1.7580	305-A243787	146	1	1		566935	1.3500
119-210PK	193	5	5	✓	518866	1.8000	305-A243797	146	1	1		566942	1.2120
119-212	193	1	25		518873	1.8096	305-A261216	147	1	1		566843	15.6700
119-C208	165	5	5		406163	1.5500	305-A261246	147	1	1		566966	12.6000
119-C210	165	5	5		406170	1.6524	305-A261256	147	1	1		566973	18.3000
119X204P	61	2	2		518880	1.4320	305-A261856-1	146	1	1		567024	0.3395
119X206P	61	5	5		518897	1.4828	305-A261866-2	146	1	1		567031	0.3593
119X208P	61	5	5		518903	1.5350	305-A261886-3	146	1	1		567048	0.3750
119X210P	61	5	5		518910	1.6500	305-A261896-4	146	1	1		567055	0.4079
119X212P	61	5	5		518927	1.6780	305Q2	216	1	24	✓	400468	0.0179
200-090	236	25	25		105004	0.4801	305Q3	216	1	24	✓	400482	0.0292

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
305Q4	216	1	12	✓	400499	0.0421	505-29	463	100	500		265494	0.0307
305Q5	216	1	1		408006	0.3450	505-34	463	100	100		200341	0.0488
305Q6	216	1	10		408013	0.3650	505-39	463	100	500		265500	0.0278
305Q7	216	1	1		407979	0.4380	505-44	463	50	50		266965	0.0121
355-05PK2	416	1	10	✓	504555	0.5298	505-49	463	50	50		200327	0.0339
355-15PK1	416	1	10	✓	518019	0.7865	505-5	463	25	100		201164	0.0419
355-30PK1	416	1	10	✓	518033	0.7513	506-22C	435	100	2000		200334	0.0276
355-60PK1	416	1	10	✓	518064	0.7913	506-24	435	50	500		265685	0.0490
356-100PK1	416	1	10	✓	518606	0.3221	506-24C	435	50	500		205643	0.0420
356-160PK1	416	1	10	✓	518668	0.3450	506-24P	435	50	500		265739	0.0475
356-300PK1	416	1	10	✓	377357	0.3417	506-26	435	50	500		265692	0.0645
356-30PK1	416	1	10	✓	504579	0.3223	506-26C	435	50	500		205681	0.0620
356-60PK1	416	1	10	✓	504586	0.3587	506-26CPK2	435	5	5	✓	205667	0.3240
360-15PK1	416	1	10	✓	518514	0.3633	506-26P	435	50	500		265746	0.0660
360-300PK1	416	1	10		520302	0.1387	506-26PK2	435	5	5	✓	205063	0.3070
490-11320	390	1	10	✓	303462	0.2021	506-26PPK2	435	5	5	✓	205360	0.3270
490-11322	390	1	10	✓	303486	0.8169	506-32C	435	100	2000		200426	0.0160
500-2	433	100	500		200013	0.0143	506-34	435	50	500		265708	0.0440
500-3	433	100	500		200020	0.0163	506-34C	435	50	500		200433	0.0440
501-0	433	100	500		265968	0.0180	506-34P	435	50	500		265753	0.0460
501-0PK	433	100	100	✓	204400	0.0075	506-34PK2	435	5	5	✓	205100	0.2556
501-1	433	100	500		265920	0.0190	506-36	435	50	500		265715	0.0608
501-1PK	433	100	100	✓	204417	0.0085	506-36C	435	50	500		265791	0.0640
501-2	433	100	500		265937	0.0133	506-36CPK2	435	5	5	✓	205742	0.3240
501-2PK	433	100	100	✓	204233	0.0090	506-36P	435	50	500		265760	0.0650
501-2PK2	433	10	10	✓	204226	0.1500	506-36PK2	435	5	5	✓	205148	0.3130
501-3	433	100	500		265944	0.0152	506-36PPK2	435	5	5	✓	205445	0.3330
501-3PK	433	100	100	✓	204271	0.0110	506-38	435	50	500		265722	0.0724
501-3PK2	433	10	10	✓	204264	0.1600	506-38C	435	50	500		265807	0.0760
501-4	433	100	100		265951	0.0362	506-38P	435	50	500		265777	0.0810
501-4PK	433	100	100	✓	204301	0.0305	506-46	435	50	500		205247	0.0661
501-5	433	100	100		200082	0.0413	506-46C	435	50	500		265814	0.0662
501-5PK	433	100	100	✓	204318	0.0295	506-46CPK2	435	5	5	✓	205827	0.3360
501-6	433	100	100		200099	0.0556	506-46P	435	50	500		265784	0.0660
501-6PK	433	100	100	✓	204325	0.0360	506-46PK2	435	5	5	✓	205223	0.3070
501-7	433	100	100		200105	0.0444	506-46PPK2	435	5	5	✓	205520	0.3270
501-7PK	433	100	100	✓	204332	0.0420	506-56	435	50	500		200594	0.0576
502-0PK	433	100	100	✓	203953	0.0135	506-66	435	50	500		200662	0.0600
502-1	433	100	100		204004	0.0180	508-2B	464	25	25		201126	0.0730
502-1PK	433	100	100	✓	203991	0.0150	508-2PK	464	25	25	✓	203519	0.0791
502-2	433	100	100		265524	0.0188	508-3B	464	25	25		201133	0.0802
502-2PK	433	100	100	✓	204035	0.0217	508-3PK	464	25	25	✓	203557	0.0671
502-2PK2	433	10	10	✓	204028	0.2255	508-4B	464	25	25		201157	0.0842
502-3	433	100	100		265548	0.0265	508-4PK	464	25	25	✓	203588	0.0821
502-3PK	433	100	100	✓	204073	0.0270	509-PK2	437	20	20		204455	0.1142
502-3PK2	433	10	10	✓	204066	0.2570	510-6PK	444	20	20	✓	260666	0.2453
502-4	433	100	100		265555	0.0440	510-6S	444	20	20	✓	263483	0.2469
502-4PK	433	100	100	✓	204103	0.0596	510-6VPK	444	10	10	✓	260864	0.3044
502-4PK2	433	10	10	✓	203922	0.1920	510-7PK	444	20	20	✓	260673	0.2933
502-5	433	50	50		265562	0.0600	510-7S	444	20	20	✓	263490	0.2535
502-5PK	433	50	50	✓	204127	0.0494	510-7VPK	444	10	10	✓	260871	0.3165
502-5PK2	433	10	10	✓	203939	0.2600	510-8PK	444	20	20	✓	260697	0.3982
502-6	433	50	50		265579	0.0595	510-8S	444	20	20	✓	263506	0.2844
502-6PK	433	50	50	✓	204141	0.0634	510-8VPK	444	10	10	✓	260895	0.3917
502-6PK2	433	10	10	✓	267474	0.2519	510-9PK	444	20	20	✓	260703	0.4362
502-7	433	50	50		265517	0.0960	510-9S	444	20	20	✓	263513	0.3153
502-75	433	25	25		200174	0.1608	510-9VPK	444	10	10	✓	260901	0.4838
502-75PK	433	20	20	✓	204172	0.1550	512-212PK	436	50	50	✓	215673	0.1191
502-7PK	433	50	50	✓	204165	0.1040	512-26PK2	436	50	50	✓	215666	0.0810
502-7PK2	433	10	10	✓	267481	0.4012	512-312PK	436	50	50	✓	215758	0.1445
502-8	433	25	25		265531	0.1832	512-36PK	436	50	50	✓	215741	0.0900
502-8PK	433	15	15	✓	204189	0.1780	512-412PK	436	50	50	✓	215833	0.1261
502-9	433	25	25		200198	0.2400	512-46PK	436	50	50	✓	215826	0.0890
502-9PK	433	10	10	✓	204196	0.2400	513-26PK	436	25	25	✓	215093	0.0638
503-2	434	100	1000		265630	0.0207	513-36PK	436	25	25	✓	215178	0.1021
503-2P	434	100	1000		265647	0.0205	515-10GPK2	472	10	10	✓	261106	0.9742
503-3	434	100	1000		265654	0.0247	515-2CPK2	472	10	10	✓	261229	0.1573
503-3P	434	100	1000		265661	0.0247	515-2GPK2	472	10	10	✓	261021	0.1613
504-3	434	100	1000		200259	0.0225	515-3CPK2	472	10	10	✓	261236	0.1593
504-3P	434	100	1000		265678	0.0257	515-3GPK2	472	10	10	✓	261038	0.1803
504-3PK2	434	10	10	✓	204622	0.1992	515-4CPK2	472	10	10	✓	261243	0.1413
504-3PK3	434	1	10	✓	204646	2.1915	515-4GPK2	472	10	10	✓	261045	0.1983
504-3PPK2	434	10	10	✓	204660	0.2210	515-5CPK2	472	10	10	✓	261250	0.2341
505-24	463	100	100		200273	0.0497	515-5GPK2	472	10	10	✓	261052	0.2891

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
515-6CPK2	472	10	10	✓	261267	0.2924	521-820	461	50	50		206848	0.2560
515-6GPK2	472	10	10	✓	261069	0.2624	521-851	461	50	50		206855	0.5005
515-7CPK2	472	10	10	✓	261274	0.4064	521-851PK	461	25	25	✓	207029	0.5140
515-7GPK2	472	10	10	✓	261076	0.3288	521-852	461	50	50		206862	0.6314
515-8GPK2	472	10	10	✓	261083	0.8826	522-100B	430	1	100		201331	0.2431
515-9GPK2	472	10	10	✓	261090	0.6371	522-100BPK2	430	1	10	✓	266187	0.0482
516-2CB	473	100	100		201171	0.0900	522-101	458	100	100		201355	0.0089
516-2CPK2	473	20	20	✓	263421	0.1104	522-102	458	100	500		267603	0.0078
516-2GB	473	100	100		201324	0.1000	522-5500	458	100	100		201591	0.0317
516-2GPK2	473	20	20	✓	263223	0.1274	522-5501	458	100	100		206923	0.0372
516-3CB	473	100	100		201188	0.1000	523-01	458	10	50		201614	0.0937
516-3CPK2	473	20	20	✓	263438	0.1244	523-1	469	50	50		201232	0.0601
516-3GB	473	100	100		201362	0.1100	523-16	458	50	50		266460	0.2789
516-3GPK2	473	20	20	✓	263230	0.1694	523-1604	458	50	50		266446	0.3289
516-4CB	473	100	100		201195	0.1100	523-1610	458	50	50		266477	0.3285
516-4CPK2	473	10	10	✓	263445	0.1703	523-1614	458	50	50		266361	0.3538
516-4GB	473	100	100		201386	0.1200	523-1620	458	50	50		266354	0.3586
516-4GPK2	473	10	10	✓	263247	0.1923	523-162001	458	1	1		266378	17.6370
516-5CB	473	100	100		201256	0.1200	523-1620PK1	458	10	10		266545	0.4428
516-5CPK2	473	10	10	✓	263452	0.1625	523-1624	458	50	50		266385	0.3819
516-5GB	473	100	100		201393	0.1300	523-162401	458	1	1		266392	18.8503
516-5GPK2	473	10	10	✓	263254	0.2203	523-1630	458	50	50		266439	0.3874
516-6CB	473	100	100		201294	0.1400	523-1634	458	50	50		266408	0.4119
516-6CPK2	473	10	10	✓	263469	0.2010	523-1B	469	5	50		201638	0.1637
516-6GB	473	100	100		201409	0.1400	523-1C	469	5	50		200532	0.1540
516-6GPK2	473	10	10	✓	263261	0.2405	523-1D	469	5	50		200556	0.1340
516-7CB	473	100	100		201416	0.1500	523-1K52000	458	10	10		201645	0.5562
516-7CPK2	473	10	10	✓	263476	0.2430	523-24	458	50	50		201669	0.3950
516-7GB	473	100	100		201430	0.1600	523-2404	458	50	50		201676	0.5465
516-7GPK2	473	10	10	✓	263278	0.2985	523-2414	458	50	50		201683	0.5637
520-09	256	250	250		101167	0.0882	523-2420	458	50	50		201690	0.4800
520-16CPK	460	25	25	✓	208026	0.1630	523-242001	458	1	1		201225	23.3980
520-19	459	50	50		206640	0.2160	523-2424	458	50	50		201713	0.5002
520-19C	459	50	50		206657	0.2160	523-242401	458	1	1		201218	24.5600
520-19CPK	459	25	25	✓	209061	0.2239	523-2434	458	50	50		201737	0.5230
520-19PK	459	50	50	✓	209023	0.2285	523-2MS	468	50	50		267184	0.1950
520-19T	459	50	50		206664	0.2040	523-2MS2	468	50	50		267191	0.2533
520-19TC	459	50	50		206671	0.1920	523-2MS3	468	50	50		267207	0.3636
520-24	459	25	25		206688	0.2920	523-2MS4	468	50	50		267214	0.3732
520-419	459	50	50		206701	0.1920	523-31	434	100	1000		201744	0.0283
520-419T	459	50	50		206725	0.1792	523-32	434	100	1000		201751	0.0403
520-419TC	459	50	50		206732	0.1800	523-33	434	50	500		201768	0.0478
520-E16	460	100	100		266736	0.1257	523-34	434	50	500		201775	0.0511
520-E16C	460	100	100		266705	0.1230	523-3MSL	468	25	25		201621	0.7556
520-E24	460	100	100		266712	0.2425	523-3MSS	468	25	25		201652	0.4360
520-E24C	460	100	100		266682	0.2290	523-3MSS2	468	25	25		201874	0.5080
520-EC2	460	100	1000		267283	0.0135	523-3MSS3	468	25	25		201898	0.5320
520-EC3	460	100	1000		267290	0.0158	523F2424	458	50	50		208071	0.6259
521-110	465	25	25		201201	0.7125	523F5500	458	100	100		265999	0.0490
521-111	465	50	50		267795	0.3084	524-10	446	50	50		201782	0.6000
521-112	465	50	50		267801	0.3540	524-100	446	5	5		201799	5.5880
521-113	465	50	50		267818	0.3572	524-1022PK2	446	10	10	✓	203137	0.6160
521-118	461	50	50		206749	0.3540	524-10C	446	50	50		201812	0.4780
521-118R	461	25	25		206756	0.3736	524-10CPK2	446	10	10	✓	203168	0.3693
521-126	461	50	50		206763	0.4134	524-10PK	446	50	50	✓	203038	0.5628
521-210	441	25	100		206770	0.0697	524-10PK2	446	10	10	✓	203021	0.5107
521-318	461	50	50		206787	0.6000	524-50	446	10	10		201829	2.4383
521-360	461	50	50		206794	0.7640	524-50PK3	446	1	10	✓	203069	2.9000
521-3725B	461	100	100		266552	0.2566	525-02	459	100	1000		314741	0.0129
521-557	474	25	25		265982	0.0556	525-03	459	100	1000		314758	0.0146
521-558	474	25	25		206800	0.1640	525-1012	451	25	25		315083	0.3538
521-559	474	25	25		266163	0.1867	525-101PB	454	25	25		315076	0.4320
521-6415	462	25	25		206817	0.3600	525-10T	451	100	100		201485	0.0133
521-6416	462	25	25		265852	0.3532	525-1612	451	25	25		267078	0.4708
521-6417	462	50	50		266491	0.1345	525-1612L	451	25	25		202277	0.4916
521-6418	462	50	50		266507	0.1124	525-1612R	452	25	25		267498	0.4874
521-723	465	25	25		266156	0.3694	525-1613	451	25	25		300010	0.4738
521-723BB	465	25	25		201447	0.2227	525-1613R	452	25	25		267504	0.4884
521-725	464	5	5		260888	0.8060	525-1614	451	25	25		267610	0.4780
521-726	464	5	5		206824	0.9320	525-1614R	452	25	25		267719	0.4958
521-727	464	5	5		260857	0.7950	525-161PB	454	25	25		267313	0.5200
521-728	464	5	5		260840	0.7880	525-161PBL	454	25	25		267924	0.5704
521-810	461	50	50		206831	0.3880	525-161PBPk	454	10	10	✓	200877	0.5728
521-810PK	461	50	50	✓	220202	0.3972	525-1622	451	25	25		267085	0.5372

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
525-1622L	451	25	25		202314	0.5626	535-26	447	25	25		201980	1.1040
525-1622PK1	451	10	10		266651	0.5293	535-914	447	25	25		201997	0.5900
525-1622R	452	25	25		267511	0.4916	535-926	447	25	25		202000	0.9659
525-1622V	455	25	25		200501	0.6640	535-9P	447	50	50		202017	0.0998
525-1623	451	25	25		267092	0.5372	536-09	476	50	50		202024	0.2200
525-1623R	452	25	25		267528	0.5664	536-12	476	50	50		202031	0.2974
525-1624	451	25	25		267627	0.6085	536-18	476	50	50		202048	0.4280
525-162PB	454	25	25		267320	0.6800	536-35	476	100	100		202055	0.2263
525-162PBL	454	25	25		267917	0.7264	536-36	476	50	50		266064	0.3520
525-162PBPBK	454	10	10	✓	200884	0.7350	536-56E	476	50	50		200006	0.4933
525-162PBV	455	25	25		200518	0.8310	536-58	476	50	50		202062	0.7467
525-16T	451	100	100		267139	0.1925	536-612	476	25	25		266071	1.0523
525-16WLB	453	25	25		267696	0.3649	536-616	476	25	25		267177	1.6305
525-18	460	100	100		266002	0.1980	536-68E	476	50	50		200037	0.7153
525-20	460	100	100		266019	0.1935	536-85	476	50	50	✓	206275	0.7518
525-20B	451	100	100		267047	0.1966	538-09	476	50	50		202086	0.1940
525-2412	451	25	25		267108	0.6067	538-09PK	476	50	50	✓	206220	0.1880
525-2412R	452	25	25		267535	0.6290	538-12	476	50	50		202093	0.2520
525-2413	451	25	25		300515	0.6067	538-18	476	50	50		202109	0.3480
525-2414	451	25	25		267634	0.6196	539-18	476	25	25		202116	0.9970
525-2414R	452	25	25		267733	0.6374	539-518	476	25	25		208088	1.4320
525-241PB	454	25	25		267344	0.6976	539-6	476	50	50		202123	0.3920
525-241PBL	454	25	25		267900	0.7275	540	472	20	200		202130	0.1378
525-2422	451	25	25		267115	0.6788	541-CPK2	472	20	20	✓	263636	0.2014
525-2422R	452	25	25		267559	0.6350	541-GPK2	472	20	20	✓	263629	0.2114
525-2423	451	25	25		267122	0.6788	542-PPK2	472	10	10	✓	264015	0.3973
525-2424	451	25	25		267641	0.6871	544	471	20	20	✓	264510	1.7400
525-2424R	452	25	25		267740	0.7228	544-2MD	471	50	50		268273	0.4234
525-242PB	454	25	25		267351	0.8370	544-2WD	471	50	50		268303	0.2479
525-242PBL	454	25	25		267894	1.3988	544-3MD	471	50	50		268280	0.3813
525-24T	451	100	100		267146	0.2596	544-3WD	471	50	50		268310	0.2206
525-24TX2	455	100	100		309372	0.2810	544-4MD	471	50	50		268297	0.2233
525-24WLB	453	25	25		267689	0.7766	544-4WD	471	50	50		268327	0.7441
525-26	460	100	100		266026	0.2726	544-5MD	471	25	25		201058	0.6658
525-27B	451	100	100		267054	0.2717	544-5WD	471	25	25		201041	0.3146
525-33	429	1	25		200976	0.2348	544-6MD	471	25	25		201041	0.5950
525-34	429	1	25		200983	0.2548	549-712	444	50	100		202185	0.1293
525-B2	451	50	50		267153	0.0714	549-712PK	444	25	25	✓	200907	0.1442
525-B2R	452	50	50		267573	0.0876	549-734	444	25	100		202192	0.1465
525-B2S	451	1	50		200952	0.1015	549-734PK	444	25	25	✓	200914	0.1695
525-B3	451	50	50		267160	0.0732	549-808	442	6	6		200044	0.4667
525-B3R	452	50	50		267580	0.0886	549-809	442	6	6		267764	0.5417
525-B3S	451	1	50		201096	0.1010	549-810	442	6	6		200051	0.6125
525-B4	451	50	50		267658	0.1197	549-811	442	6	6		200068	0.7333
525-B4R	452	50	50		266613	0.1375	550-11	430	100	100		202215	0.0335
525-P2	454	50	50		267375	0.0613	550-11E	432	100	100		266217	0.0621
525-P22	455	50	50		268358	0.1532	550-11PK2	430	1	10	✓	200440	0.1577
525-P2M	455	25	100		268334	0.1379	550-11PK4	430	1	1	✓	204707	1.6520
525-P2M1	455	25	25		268341	0.3200	550-11Q	430	100	100		202239	0.0379
525-P2PK	454	10	10	✓	200891	0.0536	550-11QPK2	430	1	10	✓	266194	0.3521
525-WLB	453	50	50		267702	0.1765	550-12	430	1	1		202246	2.9321
528-10	446	50	50		201836	0.3398	550-20	431	50	50		200471	0.1102
528-100	446	5	5		201843	3.3260	550-200B	431	1	10		202284	0.4738
528-10PK	446	50	50	✓	203090	0.3040	550-200BPK2	431	1	10	✓	266286	0.1129
528-10PK2	446	10	10	✓	203083	0.3400	550-201	431	25	250		266231	0.0283
528-10TPK2	446	12	12	✓	201027	0.4096	550-20E	432	25	25		266224	0.1688
528-25PK2	446	1	12	✓	266972	0.8313	550-20PK2	431	1	10	✓	200471	0.1114
528-50	446	10	10		201867	1.7053	550-20Q	431	50	50		202291	0.1252
530-163	476	100	100		265821	0.0740	550-20QPK2	431	1	10	✓	266170	1.1638
530-165	476	100	100		206077	0.1300	550-22	431	1	1		202307	5.0089
530-166	476	100	100		201904	0.1520	550-22T	432	1	1		266316	4.6750
530-166PK	476	100	100	✓	201003	0.1520	550-2T	432	25	25		202321	0.1134
530-1635	476	100	100		201881	0.2661	550-2T1	432	25	25		266248	0.1384
530-3	476	100	100		201911	0.0531	550-2TA	432	25	500		267467	0.1206
530-3PK	476	100	100	✓	206022	0.0563	550-FP2	456	25	25		266996	0.2800
530-5	476	100	100		265838	0.1000	550-FP2S	456	25	25		267597	0.1962
530-5PK	476	100	100	✓	206046	0.0958	550-M1	456	50	50		202345	0.0416
530-6	476	100	100		201935	0.1115	550-M2	456	50	50		202352	0.1013
530-6M	476	100	100		266149	0.1531	550-M2PK	456	10	10	✓	202352	0.1055
530-6PK	476	100	100	✓	200938	0.1260	550-M3	456	25	25		202369	0.2300
533-1	476	25	25		201942	0.5780	550-M3LS	456	25	25		309150	0.2716
533-2	476	25	25		201959	0.7682	550-M3PK	456	10	10	✓	202369	0.2205
533-3	476	10	10		201966	0.8685	550-MP2	456	25	25		202383	0.2048
535-14	447	25	25		201973	0.7600	550-MP2PK	456	10	10	✓	208545	0.2299

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
550-MP3	456	25	25		266538	0.2300	553-7WPK3	441	1	5	✓	266897	1.0280
550F11	430	25	100		200419	0.0476	553-7WZ	442	25	100		205889	0.1085
550F11E	432	25	100		266569	0.0862	553-7WZPK2	442	1	5		267832	0.5292
550F20	431	25	25		200464	0.1643	553-8	441	50	50	✓	252098	0.1205
550F20E	432	25	25		266576	1.0731	553-830W	441	50	50	✓	252852	0.1447
550F22T	432	1	1		267771	7.0960	553-830WPK3	441	1	5	✓	266903	1.3773
550F2T	432	5	5		200488	0.1754	553-8PK3	441	1	5	✓	266910	1.3159
551-2	423	100	1000		202390	0.0131	553-8W	441	50	50	✓	252241	0.1316
551-2BK	423	1	1		202406	13.9370	553-8WPK3	441	1	5	✓	266927	1.3160
551-2C	423	100	1000		202413	0.0132	553-8WZ	442	25	100		205896	0.1367
551-2CBK	423	1	1		202420	13.9870	553-8WZPK2	442	1	5		267849	0.7614
551-2PK2	423	20	20	✓	200549	0.0504	553-9	441	25	25	✓	252111	0.1626
551-2SPK2	423	10	10	✓	268419	0.3125	553-9PK3	441	1	5	✓	266934	1.6578
551-3	423	50	500		265289	0.0206	553-9W	441	25	25	✓	252289	0.1652
551-3BK	423	1	1		202444	12.9670	553-9WPK3	441	1	5	✓	266941	1.5741
551-3C	423	50	500		200310	0.0218	553-9WZ	442	25	100		205902	0.1525
551-3CBK	423	1	1		202468	13.7110	553-9WZPK2	442	1	5		267856	0.8530
551-3PK2	423	20	20	✓	200587	0.2249	554-08	437	100	2500		202802	0.0033
551-3SPK2	423	10	10	✓	268426	0.4122	554-100	445	1	20	✓	203281	1.2054
551-4	423	25	250		202475	0.0324	554-100W	445	1	20	✓	266514	0.9125
551-4BK	423	1	1		202482	11.9860	554-10PK2	445	10	10	✓	203229	0.1505
551-4C	423	25	250		202499	0.0333	554-10WPK2	445	10	10	✓	260680	0.1232
551-4CBK	423	1	1		202505	12.1570	554-14	437	100	1000		265456	0.0056
551-4PK2	423	20	20	✓	496775	0.3462	554-14H	437	100	1000		200075	0.0127
551-P2	423	100	1000		265296	0.0172	554-21	437	50	500		202833	0.0286
551-P2PK3	423	1	10	✓	200563	1.7452	554-25	445	1	20	✓	203243	0.3461
551-P2S	423	100	1000		265449	0.0186	554-25W	445	1	20	✓	266521	0.2469
551-P3	423	50	500		265302	0.0228	554-36	437	50	250		202857	0.0461
551-P3PK3	423	1	10	✓	200600	1.1886	554-608	437	100	500		202864	0.0048
551-P3S	423	50	500		200624	0.0222	554-614	437	100	1000		202871	0.0076
552-A2	424	50	500		267382	0.0234	555-1	422	100	1000		265319	0.0071
552-A2PK2	424	10	10	✓	267665	0.2771	555-2	422	100	1000		265326	0.0097
552-A3	424	50	500		267399	0.0273	555-23	422	100	1000		265357	0.0155
552-A3PK2	424	10	10	✓	267672	0.2730	555-23BK	422	1	1		202925	14.0970
552-B22	424	50	500		267405	0.0332	555-23PK2	422	10	10	✓	200921	0.1860
552-B22PK2	424	10	10	✓	266484	0.3775	555-23S	422	100	1000		266330	0.0162
552-B23	424	50	500		267412	0.0344	555-2BK	422	1	1		202932	15.5867
552-B33	424	50	500		267429	0.0345	555-3	422	100	1000		265333	0.0148
552-B33PK2	424	10	10	✓	266293	0.3796	555-3BK	422	1	1		202956	15.5870
552-C22	424	50	500		267436	0.0319	555-4	422	50	500		265340	0.0236
552-C22PK2	424	10	10	✓	266675	0.2970	555-4BK	422	1	1		202994	12.5870
552-C23	424	50	500		267443	0.0332	555-45	422	25	100		202970	0.0311
552-C33	424	50	500		267450	0.0351	555-45BK	422	1	1		208101	10.7420
552-C33PK2	424	10	10	✓	266668	0.3860	555-45S	422	25	100		202987	0.0297
553-010B	443	25	100		253002	0.1710	555-623	422	100	1000		203007	0.0135
553-010W	443	25	100		253019	0.1720	555-623PK2	422	10	10	✓	267863	0.1660
553-014B	443	25	100		253026	0.2070	556-1	421	100	1000		203014	0.0076
553-014BPK	443	1	25	✓	202840	0.2426	556-1BK	421	1	1		208118	26.5739
553-014W	443	25	100		253033	0.2080	556-1C	421	100	1000		207005	0.0075
553-014WPK	443	1	25	✓	252845	0.2426	556-1PK2	421	10	10	✓	200143	0.0923
553-026B	443	25	50		253040	0.3221	556-2	421	100	1000		206992	0.0094
553-026W	443	25	50		253057	0.3231	556-2BK	421	1	1		203045	15.4470
553-0LB	443	1	100		253064	0.0659	556-2C	421	100	1000		203052	0.0093
553-0LW	443	1	100		253071	0.0659	556-2CBK	421	1	1		202918	15.2998
553-22W	436	50	150		252005	0.0575	556-2CPK4	421	1	1	✓	266125	2.4997
553-23W	436	50	150		252012	0.0645	556-2HSDR	421	100	1000		266804	0.0104
553-2W	436	50	50		252043	0.0341	556-2PK2	421	10	10	✓	200747	0.0046
553-2WPK3	436	1	5		266828	0.3341	556-2PK3	421	1	10	✓	200761	0.9433
553-33W	436	50	150		252036	0.0655	556-2S	421	100	1000		203076	0.0117
553-3W	436	50	50		252081	0.0354	556-2SPK2	421	10	10	✓	203076	0.1407
553-3WPK3	436	1	5		266835	0.3471	556-3	421	100	1000		206985	0.0145
553-4W	436	50	50		252128	0.0389	556-3BK	421	1	1		207012	12.7270
553-4WPK3	436	1	5		266842	0.4721	556-3C	421	100	1000		203106	0.0146
553-5W	436	50	50		252449	0.0461	556-3CBK	421	1	1		203113	12.7270
553-5WPK3	436	1	5		266859	0.4034	556-3CPK4	421	1	1	✓	566133	2.4550
553-6	441	50	50	✓	252074	0.0777	556-3HSDR	421	100	1000		266811	0.0158
553-6PK3	441	1	5	✓	266866	0.7237	556-3PK2	421	10	10	✓	200785	0.0077
553-6W	441	50	50	✓	252166	0.0844	556-3PK3	421	1	10	✓	200808	1.5199
553-6WPK3	441	1	5	✓	266873	0.8440	556-3S	421	100	1000		203120	0.0155
553-6WZ	442	25	100		205872	0.0955	556-3SPK2	421	10	10	✓	203120	0.1820
553-6WZPK2	442	1	5		267825	0.4028	556-4	421	50	500		206954	0.0268
553-7	441	50	50	✓	252876	0.1013	556-4BK	421	1	1		203144	11.6551
553-7PK3	441	1	5	✓	266880	1.0504	556-4C	421	50	500		203151	0.0265
553-7W	441	50	50	✓	252203	0.1028	556-4CBK	421	1	1		206961	11.5750

SUPPLY

DRAINAGE

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APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
556-4PK2	421	10	10	✓	266989	0.2890	570	466	24	24		203632	0.3040
556-4PK3	421	1	10	✓	200822	1.3831	570-10	466	24	24		203649	0.4738
557-2	425	100	1000		206893	0.0089	570-20	466	24	24		203656	0.5737
557-2PK2	425	10	10	✓	201706	0.0714	570-22	466	24	24		203380	0.5697
557-3	425	100	1000		203199	0.0115	570-24	466	24	24		203670	0.5660
557-3PK2	425	10	10	✓	201720	0.0814	570-53	466	50	1000		203373	0.0360
557-4	425	50	500		203212	0.0156	570-58	466	50	50		203663	0.0630
557-4PK2	425	10	10	✓	200150	0.0993	571	467	24	24		203700	0.3258
557-5	425	25	250		206978	0.0256	571-10	467	24	24		203717	0.4332
557-5PK2	425	10	10	✓	200167	0.1495	571-145	467	24	24		203731	0.7078
557-6	425	25	250		203236	0.0307	571-20	467	24	24		206916	0.5355
557-6PK2	425	10	10	✓	200181	0.2035	571-22	467	24	24		203755	0.5315
557-7	425	25	250		202901	0.0428	572	466	24	24		265869	0.3491
557-7PK2	425	10	10	✓	200204	0.2487	572-20	466	24	24		203793	0.6133
557F2	425	100	1000		203250	0.0163	572-22	466	24	24		203809	0.6093
557F3	425	50	500		203267	0.0212	572-24	466	24	24		203816	0.6333
557F4	425	50	500		203274	0.0291	572-53	466	50	250		208132	0.0369
557F5	425	10	10		200716	0.1083	572-58	466	50	50		203823	0.0710
557F6	425	10	10		200723	0.1083	574-104	438	50	50		506641	0.1299
557F7	425	10	10		200730	0.1330	574-72	438	50	50		506658	0.1081
558-2	426	50	500		265418	0.0210	574-74	438	50	50		200686	0.0905
558-23	428	100	1000		266606	0.0090	574-75	438	50	50		506665	0.1041
558-23B	428	100	1000		267788	0.0092	575-100Q	469	1	12		268365	2.0704
558-2PK2	426	10	10	✓	201522	0.1263	590-10	437	1	10		503022	1.0693
558-3	426	50	500		265425	0.0164	590-11	437	10	50		316905	0.0430
558-3PK2	426	10	10	✓	201560	0.1033	590-4411	470	1	5	✓	267931	1.6300
558-4	426	25	250		265432	0.0163	590-4411-3	470	1	5	✓	200136	1.8940
558-E1	426	50	500		203366	0.0235	590-4412	470	1	5	✓	267948	1.7200
558-E2	426	50	500		265388	0.0193	590-4413	470	1	5	✓	267955	1.5400
558-E2PK2	426	10	10	✓	201300	0.1257	590-4413-R	470	1	5	✓	200358	1.8490
558-E3	426	50	500		265395	0.0174	590-4421	470	1	5	✓	267962	1.9100
558-E3PK2	426	10	10	✓	201348	0.1167	590-4421-3	470	1	5	✓	200129	2.1600
558-E4	426	25	250		265401	0.0163	590-4422	470	1	5	✓	267979	2.1000
558-E4PK2	426	10	10	✓	201379	0.0929	590-4423	470	1	5	✓	267986	2.1000
558-M2	427	100	1000		265975	0.0072	590-4433	470	1	5	✓	268020	2.0780
558-M2C	427	50	1000		266743	0.0073	590-4434	470	1	5	✓	268013	2.0860
558-M2G	427	100	1000		266255	0.0083	590-4435	470	1	5	✓	268037	2.5080
558-M2H	427	50	1000		266750	0.0073	590-4436	470	1	5	✓	268044	2.4550
558-M2PK2	427	10	10	✓	227027	0.0612	590-44ND1	470	1	12	✓	267993	0.0904
558-M2R	427	100	1000		203410	0.0073	590-44ND2	470	1	12	✓	268006	0.1124
558-M3	427	100	1000		266118	0.0070	590-44ND3	470	1	12	✓	268051	0.8774
558-M3C	427	50	1000		266767	0.0069	590-44ND4	470	1	12	✓	268068	1.0274
558-M3G	427	100	1000		266262	0.0124	590-44ND4-BIT	470	1	12	✓	268075	0.0838
558-M3H	427	50	1000		266774	0.0069	591-06B	437	1	10		266958	0.3216
558-M3PK2	427	10	10	✓	227034	0.0525	591-081	437	1	10		266309	0.5313
558-M3R	427	100	1000		203434	0.0070	598-010	477	1	1		200617	14.6450
558-M4	427	25	250		203441	0.0062	598-011	477	1	1		200648	14.3050
558-M4C	427	50	1000		266781	0.0051	598-012	477	1	1		200679	21.2000
558-M4G	427	25	250		266279	0.0068	600-203	181	50	500		400116	0.0768
558-M4H	427	50	1000		266798	0.0051	600-204CV	195	10	10	✓	440402	1.0406
558-M4PK2	427	10	10	✓	200228	0.0507	600-204V	195	10	10	✓	400406	0.7055
558-M4R	427	25	250		203458	0.0063	600-206	181	25	250		400147	0.1533
558F23	428	100	1000		247490	0.0160	600-206C	181	25	25		400154	0.3650
558FM2	427	10	100		203465	0.0151	600-206CPK	181	10	10	✓	440563	0.3741
558FM3	427	10	100		203472	0.0173	600-206PK	181	10	10	✓	400567	0.1678
558FM4	427	5	25		203489	0.0185	600-212	181	50	50		400161	0.3081
559-2	425	100	1000		265364	0.0105	600-212C	181	25	25		400178	0.5201
559-2PK2	425	10	10	✓	201102	0.0779	600-212CPK	181	10	10	✓	440624	0.5205
559-3	425	50	1000		203311	0.0136	600-212N	181	25	25		400185	0.3387
559-3PK2	425	10	10	✓	201140	0.0914	600-212PK	181	10	10	✓	400628	0.3251
559-4	425	50	500		200235	0.0191	600-303	181	25	250		400192	0.1210
559-4PK2	425	10	10	✓	265371	0.1235	600-304CV	195	10	10	✓	440426	1.6786
559-5	425	25	250		200242	0.0322	600-304V	195	10	10	✓	400420	1.1171
559-5PK2	425	10	10	✓	203540	0.1770	600-306	181	50	50		400222	0.2431
559-6	425	25	250		200280	0.0370	600-306C	181	25	25		400239	0.6575
559-6PK2	425	10	10	✓	203533	0.2146	600-306CPK	181	10	10	✓	440761	0.6665
559-7	425	25	250		200303	0.0484	600-306PK	181	10	10	✓	400765	0.2528
559-7PK2	425	10	10	✓	203427	0.2840	600-312	181	50	50		400246	0.4799
559F2	425	100	1000		203571	0.0199	600-312C	181	25	25		400253	0.8931
559F3	425	50	500		203403	0.0253	600-312CPK	181	10	10	✓	440822	0.8878
559F4	425	50	500		203397	0.0364	600-312N	181	25	25		400260	0.5109
559F5	425	10	10		200754	0.0746	600-312PK	181	10	10	✓	400826	0.4951
559F6	425	10	10		200778	0.0836	600-G204CV	195	10	10	✓	441003	1.0406
559F7	425	10	10		200792	0.0905	600-G204V	195	10	10	✓	441010	0.7055

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
600-G212CPK	181	10	10	✓	441027	0.5291	609-L248E	184	25	25		400895	0.3000
600-G304CV	195	10	10	✓	441034	1.6786	609-L248EPK	184	25	25	✓	409195	0.3000
600-G304V	195	10	10	✓	441041	1.1171	609-L248PK	184	50	50	✓	409249	0.2525
600-G312CPK	181	10	10	✓	441058	0.8878	609-L2612	184	50	50		400901	0.3962
600QB206	213	6	6	✓	406224	0.2950	609-L263A	190	50	50		400918	0.1932
600QB306	213	6	6	✓	406231	0.4325	609-L263X	190	50	50		400925	0.2638
600QB406	213	6	6	✓	406248	0.6083	609-L263Y	190	50	50		400932	0.2449
601-20CV	200	6	6	✓	402042	0.7153	609-L27	190	50	50		400949	0.2152
601-20CVPK	201	5	5	✓	407467	1.0610	609-L2812	184	50	50		400956	0.4409
601-20V	200	6	6	✓	402004	0.5475	609-L3248	184	50	50		400963	0.2607
601-21CV	200	6	6	✓	402349	0.6650	609-L348	184	50	50		400970	0.4338
601-21V	200	6	6	✓	402301	0.5901	609-L3612	184	50	50		400987	0.6606
601-22	200	10	10	✓	402264	0.1060	609-L3812	184	50	50		400994	0.7202
601-22CVM	200	6	6	✓	402202	0.7275	609-L4612	184	25	25		401007	0.9674
601-22CVX	200	6	6	✓	402127	0.7092	609-L4812	184	25	25		401014	1.0461
601-22VM	200	6	6	✓	402165	0.6115	612-108	185	25	25		401021	0.4588
601-22VX	200	6	6	✓	402080	0.5955	612-2	463	50	500		203892	0.0295
601-30CV	200	6	6	✓	402066	0.8233	612-2PK2	463	10	10	✓	465221	0.1700
601-30CVPK	201	5	5	✓	407474	1.2370	612-3	463	25	250		465238	0.0371
601-30V	200	6	6	✓	402028	0.7355	612-3PK2	463	10	10	✓	266101	0.2077
601-31CV	200	6	6	✓	402363	0.8763	612-4	463	25	250		465429	0.0251
601-31V	200	6	6	✓	402325	0.5367	612-557	185	25	25		401038	0.4011
601-32	200	10	10	✓	402288	0.1414	612-57	185	25	25		464101	0.3168
601-32CVM	200	6	6	✓	402226	0.8965	612-87	185	25	25		401045	0.3904
601-32CVX	200	6	6	✓	402141	0.8818	613-107	185	50	50		401069	0.3720
601-32VM	200	6	6	✓	402189	0.5508	613-137	185	50	50		401076	0.4388
601-32VX	200	6	6	✓	402103	0.7155	613-139	185	50	50		401083	0.4833
602-22MPK1	183	1	25	✓	420541	0.1364	613-57	185	50	50		401090	0.2576
603Q2	216	1	15		407917	0.0300	613-57E	185	25	25		401106	0.3168
603Q3	216	1	15		407924	0.0433	613-57M	185	50	50		401113	0.3238
603Q4	216	1	15		407931	0.0500	613-57PK	185	20	20	✓	401052	0.2680
603Q5	216	1	20		408020	0.0825	613-57X	185	50	50		401120	0.3300
603Q6	216	1	20		407986	0.1175	613-57Y	185	50	50		401137	0.3111
603Q7	216	1	20		407993	0.1396	613-67	185	50	50		401144	0.2794
605QB2	213	12	12	✓	406378	0.0888	613-67F	185	50	50		498397	0.3716
605QB3	213	6	6	✓	406385	0.2258	613-67M	185	50	50		401151	0.3496
605QB4	213	6	6	✓	406392	0.2267	613-67X	185	50	50		401168	0.3600
608-D288E	184	25	25		400284	0.5812	613-67Y	185	50	50		401175	0.3411
608-L2138	183	50	50		400574	0.4614	613-87	185	50	50		401182	0.3252
608-L2187	183	50	50		400581	0.5506	613-87E	185	25	25		401199	0.4003
608-L2277	183	50	50		400598	0.7503	613-87M	185	50	50		401205	0.3896
608-L2308	190	25	25		400604	0.8608	613-87X	185	50	50		401212	0.3987
608-L2308E	190	25	25		400611	0.9161	613-87Y	185	50	50		401229	0.3869
608-L2308EX	190	25	25		400307	1.0708	613-887L	186	25	25		403537	0.5148
608-L2308EY	190	25	25		400635	1.0063	613-887R	186	25	25		403544	0.5148
608-L2308X	190	25	25		400642	0.9314	614-2	182	50	500		401526	0.0338
608-L2308Y	190	25	25		400659	0.9125	614-22C	182	25	250		401588	0.1328
608-L2337	183	50	50		400666	0.9135	614-22CPK2	182	20	20	✓	404367	0.1345
608-L246	183	50	50		400673	0.2028	614-3	182	50	500		401250	0.0395
608-L246PK	183	50	50	✓	457103	0.2153	614-4	182	25	250		401267	0.0604
608-L248	183	50	50		400680	0.2426	614-6M	188	50	50		401274	0.1687
608-L2488	190	25	25		400697	1.3304	614-6MPK	188	50	50	✓	456502	0.1883
608-L2488E	190	25	25		400703	1.4499	614-8L	188	50	50		401281	0.2481
608-L248PK	183	50	50	✓	457202	0.2525	615-213	180	10	100		401298	0.2925
608-L2508	190	25	25		400710	1.3770	615-214	180	10	100		401304	0.4896
608-L2508E	190	25	25		400727	1.4965	615-233	180	10	100		401311	0.3090
608-L2508EX	190	25	25		400734	1.7785	615-234	180	10	100		401328	0.4942
608-L2508EY	190	25	25		400741	1.8823	615-313	180	10	100		495112	0.3958
608-L2508X	190	25	25		403506	1.6590	615-333	180	10	100		495129	0.4619
608-L2508Y	190	25	25		400758	1.4287	615-C215	157	10	10		499295	0.3140
608-L2612	183	50	50		400314	0.3975	615-C2113	157	25	25		495358	0.5660
608-L263A	190	50	50		401243	0.1772	616-15	191	25	25		401359	0.1567
608-L2812	183	50	50		400789	0.4415	616-2	180	50	50		401366	0.4169
608-L348	183	50	50		400796	0.4315	616-2E	180	50	50		401373	0.2127
608-L3612	183	50	50		400802	0.6606	616-2EPK2	180	20	20	✓	400444	0.2056
608-L3812	183	50	50		400819	0.7202	616-2PK2	180	10	10	✓	401625	0.4397
608-L4612	183	25	25		400291	0.9742	616-630	190	50	50		401380	0.8633
608-L4812	183	25	25		400833	1.0461	616-630X	190	50	50		401397	0.9339
609-D288E	184	25	25		400840	0.5812	616-630Y	190	50	50		401403	0.9150
609-L2138	184	50	50		400857	0.4620	616-648	190	12	12		401410	1.2057
609-L246	184	50	50		400864	0.2069	616-650	190	25	25		401427	1.3640
609-L246E	184	25	25		400871	0.2985	616-650X	190	25	25		401434	1.6700
609-L246EPK	184	25	25	✓	409171	0.3183	616-650Y	190	25	25		401441	1.6511
609-L248	184	50	50		400888	0.2426	616-C2	156	50	50		401458	0.4776

SUPPLY

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A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

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Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
616-C2PK	156	10	10	✓	492968	0.4999	630X2138	50	50	50		403445	0.4601
616-CG2E3	156	50	50		412355	0.1619	630X2412	50	50	50		400376	0.3398
616X1PX	43	50	50		482976	0.4455	630X2412E	51	25	25		441706	0.3843
616X2PX	43	50	50		482969	0.4435	630X246	50	50	50		403438	0.2014
616X2PXP2	43	20	20	✓	482945	0.4370	630X246E	51	25	25		402097	0.2606
622-L06	187	100	100		401489	0.1331	630X246PK	50	20	20	✓	480927	0.2139
622-L06PK	187	100	100	✓	400079	0.1394	630X248	50	50	50		402110	0.2426
622-L08	187	100	100		401496	0.1767	630X248E	51	25	25		495266	0.3018
622-L08N	187	25	25		401519	0.1984	630X248EPK	51	20	20	✓	480965	0.3243
622-L08PK	187	100	100	✓	400093	0.1830	630X248N	50	25	25		403421	0.2686
622-L08W	188	100	100		401236	0.1903	630X248PK	50	6	6	✓	480941	0.2504
622-L09CF	180	25	25		401533	0.2856	630X3136	50	50	50		402134	0.6660
622-L10	187	100	100		401540	0.2203	630X3412	50	50	50		400352	0.5745
622-L12	187	100	100		401557	0.2653	630X348	50	50	50		402158	0.4338
622-L15	187	100	100		401564	0.3287	630X348E	51	25	25		403339	0.4942
622-L18	187	100	100		401571	0.3980	630X4612	50	25	25		410184	0.8818
622-L24	187	50	50		401595	0.5347	630X4612E	51	10	10		441690	0.9531
622-L24E	187	20	20		401601	0.6053	630X468	50	25	25		410177	0.6376
622-M06	187	100	100		495259	0.0983	630X468E	51	10	10		441713	0.7650
622-M06PK	187	20	20	✓	400062	0.1075	630XD288	50	25	25		487117	0.5537
622-M08	187	100	100		401465	0.1304	631-33F	195	25	25		403315	0.2633
622-M08PK2	187	10	10	✓	400086	0.1526	631-C307	161	25	25		402196	0.4578
622-M10	187	100	100		400109	0.1625	631-C307FRV	161	10	10		413154	1.8550
622-M12	187	100	100		401656	0.1946	631-CG307FP	161	10	10		411389	1.2050
622-M12PK2	187	10	10	✓	400123	0.2157	631-G305FP	195	25	25		413338	0.0276
622-M15	187	100	100		401649	0.2422	631A02FP	136	25	25		403988	1.1520
622-M18	187	100	100		401687	0.2943	631VG02FP	94	12	12		411754	1.1338
622-M24	187	50	50		401694	0.3956	631W02	112	25	25		411303	0.3325
623-L06	187	50	50		401700	0.2203	631WG02FP	113	12	12		411785	1.0600
623-L08	187	50	50		401717	0.2956	631X02	54	25	25		402257	0.3167
623-L12	187	50	50		401724	0.4503	631X06	54	25	25		402271	0.4034
623-L15	187	50	50		401748	0.5682	631XG02FP	54	12	12		403216	1.0586
623-L18	187	50	50		401755	0.6636	631XM	54	25	25		403308	0.4120
623-L24	187	50	50		401762	0.9494	631XS	54	50	50		402318	0.3262
624-L08	187	30	30		401809	0.4306	632-C263	161	50	50		402332	0.1892
624-L12	187	30	30		401823	0.6557	632-C263PK	161	10	10	✓	491466	0.2015
624-L12D	188	30	30		401830	0.6557	632-C263X	161	50	50		403278	0.2748
624-L15	187	30	30		401847	0.8271	632-C263XPK	161	10	10	✓	499936	0.2940
624-L18	187	30	30		401854	0.9676	632-C263Y	161	50	50		402356	0.2581
624-L18D	188	30	30		401861	0.9676	632-C263YPK	161	10	10	✓	499943	0.2751
624-L24	187	30	30		401878	1.3824	632-C283	161	50	50		402530	0.2480
624-L24D	188	30	30		401885	1.3824	632-C283PK	161	10	10	✓	491480	0.2732
629-06	189	100	100		401908	0.2382	632-C2123	161	50	50		403261	0.3415
629-12	189	50	50		401915	0.4639	632A260537	133	50	300		432056	0.1327
629-L15	189	50	50		401922	0.2758	632A260557	133	35	35		432063	0.3964
629-M	189	50	50		401939	0.3612	632A260757	133	25	150		432025	0.2400
629-WCL	189	50	50		401946	0.7740	632A260767	133	20	120		432032	0.3617
629-WCMPK	189	50	50	✓	456403	0.5490	632A260817	133	25	150		432049	0.2792
630-C2412	160	50	50		401960	0.3620	632A261196	135	50	50		414434	0.2700
630-C248	160	50	50		401977	0.2686	632A263X	135	50	50		402851	0.3521
630-C248E	160	25	25		401984	0.3359	632A263Y	135	50	50		402875	0.3336
630-C248PK	160	10	10	✓	490735	0.2937	632AG222	132	50	300		414335	0.1300
630-C287	160	50	50		401991	0.3454	632AG225	132	25	150		414373	0.2400
630-C348	160	50	50		401618	0.7196	632AG235	132	35	35		414359	0.3900
630-C3612	160	25	25		406026	0.7036	632AG332	132	25	150		414410	0.2700
630-C41110	160	25	25		400338	1.1968	632AG335	132	20	120		414397	0.3600
630-C41110E	160	10	10		407481	1.2150	632QB222F	214	6	6	✓	406262	0.1875
630A248E	134	25	25		486639	0.3455	632QB222M	214	6	6	✓	406255	0.1917
630A261186	134	25	25		432186	0.3395	632QB444M	214	6	6	✓	411112	0.5212
630A266687	134	5	40		432179	0.6732	632V273	94	50	50		495389	0.2502
630A348E	134	25	25		486622	0.6857	632V273X	94	50	50		495365	0.3215
630V248E	93	25	25		495181	0.3552	632V273Y	94	50	50		495396	0.3026
630WG2138	109	50	50		406712	0.4810	632W273X	112	50	50		402387	0.3314
630WG248	109	50	50		404633	0.3100	632WG222M	108	50	50		409416	0.2512
630WG248E	110	25	25		404640	0.3378	632WG263	112	50	50		406743	0.2513
630WG2813	109	50	50		411143	0.5112	632WG263Y	112	50	50		406736	0.2902
630WG348	109	25	25		404657	0.5698	632WG332	108	25	25		409423	0.2350
630WG348E	110	25	25		404664	0.6224	632WG335	109	25	25		409430	0.1630
630WG4612	109	25	25		406705	1.1985	632X117	46	50	50		402394	0.1182
630WG4612E	110	10	10		406699	1.2885	632X121M	44	50	50		403643	0.1049
630WGD288E	110	25	25		406682	0.6452	632X122	46	100	500		402400	0.0924
630X146	50	50	50		402035	0.2014	632X125	46	100	1000		402417	0.0492
630X148	50	50	50		400345	0.2426	632X125PK2	46	10	10	✓	487308	0.1206
630X148E	51	25	25		400369	0.3045	632X143	53	50	50		402424	0.1366

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
632X217	46	50	50		402431	0.1192	633A18	136	25	25		404084	0.9530
632X221M	44	50	50		403650	0.1059	633A18FP	136	25	25		404077	1.5100
632X221MPK2	44	10	10	✓	487612	0.1873	633A260587	136	30	180		431691	0.2451
632X222	46	100	1000		402448	0.0460	633A306FP	136	10	10		403810	1.2253
632X222M	44	50	50		487667	0.1152	633VG18	94	10	10		411846	0.7756
632X222MPK2	44	10	10	✓	487643	0.1491	633VG18FP	94	10	10		411815	1.5446
632X222PK2	46	10	10	✓	487346	0.1543	633W18FP	113	10	10		412539	1.6020
632X225	46	100	1000		402462	0.0502	633W18FPT	113	20	20		407313	1.6125
632X225PK2	46	10	10	✓	487384	0.1200	633W306FP	112	10	10		403858	1.0066
632X232	46	50	250		402479	0.1049	633WG18	113	25	25		406750	0.8503
632X232MPK2	44	10	10	✓	487650	0.3854	633WG18FP	113	10	10		411839	1.6300
632X235	46	25	250		499646	0.1112	633X02	55	25	25		495433	0.1599
632X243	53	50	50		402486	0.1291	633X02PK	55	6	6	✓	484147	0.1945
632X243PK	53	20	20	✓	481467	0.1564	633X18	55	25	25		402882	0.7534
632X263	53	50	50		402493	0.1877	633X18FP	55	25	25		402899	1.4981
632X263X	53	50	50		402509	0.2583	633X18FPT	55	20	20		402905	1.7268
632X263Y	53	50	50		402516	0.2394	633X18FRV	55	10	10		499240	2.1640
632X283	53	50	50		482419	0.2196	633X18PK	55	25	25	✓	484468	0.7461
632X332	46	25	250		402523	0.1011	633X306FP	55	10	10		403797	1.0254
632X332M	44	50	50		487780	0.1950	633X418	55	25	25		402912	0.8662
632X335	46	25	250		402547	0.1090	633X418FP	55	25	25		402929	1.5282
632X335PK2	46	10	10	✓	487506	0.2300	633XB02	55	25	25		441911	0.1900
632X3412	53	50	50		402554	0.5745	633XG18FP	55	10	10		412867	1.5219
632X364	53	50	50		402561	0.3369	634-112	198	12	12		400413	0.4367
632X4512	53	25	25		431011	0.8104	634-112PK1	198	12	12	✓	409034	0.4317
632X458	53	25	25		499820	0.6376	634-112PK5	198	5	5	✓	409034	0.4700
632XB222M	44	50	50		441898	0.2610	634-115	198	12	12		402936	0.5075
632XB332M	44	50	50		441904	0.3834	634-115PK1	198	12	12	✓	409072	0.5075
632XG222M	44	50	50		404497	0.2519	634-118	198	12	12		402943	0.6010
632XG332M	44	50	50		404510	0.3986	634-118PK1	198	12	12	✓	409096	0.5929
632XP222M	90	25	250		408112	0.0212	634-118PK5	198	5	5	✓	409096	0.6317
632XP232M	90	25	250		408099	0.0290	634-124	198	12	12		400437	0.8067
632XP332M	90	25	250		408075	0.0359	634-124PK1	198	12	12	✓	409119	0.8296
633-212	197	10	10		402578	0.4170	634-124PK5	198	5	5	✓	409119	0.8296
633-212FP	197	10	10		402585	0.7643	634-315	198	12	12		402974	0.4560
633-306FP	196	10	10		403230	0.9745	634-318	198	12	12		402981	0.5400
633-312	197	25	25		402592	0.5587	634-324	198	12	12	✓	408983	0.6640
633-312C	197	25	25		402608	0.8011	634-C118	162	25	25		402998	0.6223
633-312CFP	197	25	25		402615	1.4416	634-C118FP	162	25	25		403001	1.3893
633-318	196	10	10		402455	0.7842	634-CG118FP	162	25	25		407887	1.1600
633-318FP	196	10	10		403223	1.4136	634A418	136	25	25		404091	0.7469
633-318FPT	197	20	20		499493	1.7624	634A418FP	136	25	25		404121	1.3500
633-4312	197	25	25		402653	0.6746	634VG418	95	25	25		414281	0.5993
633-4312FP	197	25	25		402660	0.8153	634VG418FP	95	25	25		413680	1.2334
633-716	197	10	10		409010	1.1600	634WG418	114	25	25		406767	0.6443
633-7416	197	10	10		201584	0.3400	634WG418FP	114	25	25		407894	1.1680
633-C02	155	50	50		402691	0.1983	634X418	56	10	10		403018	0.5554
633-C02PK	155	10	10	✓	493101	0.2112	634X418FP	56	10	10		405906	1.2846
633-C06FP	162	10	10		403865	1.0836	634XG418FP	56	25	25		407900	1.1060
633-C09	162	25	25		402707	0.4413	635-32	199	25	25		403032	0.1607
633-C18	162	25	25		402721	0.7803	635-33	199	25	25		403049	0.2367
633-C18FPM3	162	15	15		402745	1.8555	635-36	199	25	25		405913	0.5239
633-C18FPPK	162	10	10	✓	407450	1.4462	635-43	199	25	25		403063	0.3699
633-C18FRV	162	10	10		495716	2.2124	636-31305F	204	10	10	✓	403070	2.4917
633-C18M3	162	25	25		402769	1.1002	636-31308FK	204	10	10	✓	403087	3.1317
633-C18PK	162	10	10	✓	494467	0.8886	636-3L10888	199	10	10		403094	1.8560
633-C24	162	25	25		402776	0.9744	636-3TR	199	25	25		403117	0.6752
633-C418	162	25	25		402806	0.8962	636-4L10888	199	10	10		403124	2.1600
633-C418FRV	162	10	10		495709	2.3486	636-C1307F2	170	10	10	✓	403131	3.7121
633-C424	162	25	25		402837	1.1879	636-C1310FK2	170	10	10	✓	403148	4.3521
633-C424FP	162	25	25		402844	1.8552	636-L3888	199	25	25		403155	0.8430
633-C4403	155	20	20		402868	0.4033	636X38883	57	12	12		403162	1.5937
633-CG09FP	162	10	10		411396	1.0310	636X3FP	57	12	12		403179	2.0671
633-CG18FP	162	10	10		411419	1.3820	636X48884	57	12	12		403193	2.0071
633-CG18FPT	162	10	10		411426	1.6310	637-B23H	183	5	50		409003	0.1431
633-CG24FP	162	10	10		411433	1.5580	637-C20	155	25	25		403209	0.1108
633-CG418FP	162	10	10		411440	1.6960	637-C20PK2	155	10	10	✓	493088	0.1331
633-G312FP	197	10	10		411709	1.2535	637A260097	134	0	1		432148	0.1560
633-G3TM11	198	25	25		411464	0.6906	637AG20	133	50	50		432148	0.1500
633-G3TM15	198	25	25		411518	0.8714	637X10	48	50	50		481535	0.0440
633-G4TM11	198	25	25		412812	0.8213	637X10PK2	48	10	10	✓	481511	0.1116
633-G4TM15	198	25	25		411877	1.1371	637X15	48	50	500		481573	0.0585
633-G716FP	197	10	10		412850	1.7900	637X20	48	50	500		481542	0.0405
633-G7416FP	197	10	10		412843	2.0000	637X20C	48	50	500		403247	0.0265

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
637X20PK2	48	10	10	✓	481528	0.1069	641A235677	126	5	30		431769	0.8442
637X235	45	50	50		403254	0.1816	641A235807	126	2	12		431776	1.8742
637X25	48	50	50		481580	0.0606	641A235817	126	2	12		431783	1.6667
637X335	45	25	25		487902	0.1868	641A235827	126	2	12		431790	1.4200
637X335PK2	45	10	10	✓	498816	0.1969	641A235837	126	2	12		431806	1.7463
637X410	47	50	500		403285	0.0531	641A235847	126	2	12		431813	1.6442
637X413	47	50	50		403292	0.0966	641A235857	126	2	12		431820	1.4892
637X420	47	50	50		481641	0.0567	641A235867	126	2	12		431837	1.3454
637X423	47	50	50		481689	0.0986	641A235877	126	2	12		431844	1.2658
637X423PK	47	10	10	✓	401663	0.1209	641A235887	126	2	12		431851	1.2213
637X711	49	50	50		403377	0.0964	641A236007	126	1	6		431868	3.3633
637X721	49	50	50		405920	0.0963	641A236017	126	1	6		431875	2.8568
637X920	61	25	250		403346	0.0935	641A236027	126	1	6		431882	2.6142
637X920PK2	61	10	10	✓	485403	0.1158	641A236037	126	1	6		431899	2.2597
637X9220	61	25	250		485427	0.1238	641A236047	126	1	6		431905	3.0942
637X9220PK2	61	10	10	✓	401632	0.1238	641A236057	126	1	6		431912	2.9523
637XB10	49	50	50		441928	0.0613	641A236067	126	1	6		431929	6.2200
637XB20	49	25	25		441935	0.0666	641A236077	126	1	6		431936	2.2942
637XB23H	45	5	50		408990	0.1292	641A236087	126	1	6		431943	2.1242
637XB25	49	50	50		441942	0.0866	641A236097	126	1	6		431950	2.2058
637XP20	91	50	500		432155	0.0264	641A260607	126	25	150		431578	0.2493
637XP25	91	50	500		432476	0.0540	641A260617	126	15	90		431585	0.4200
637XP30	91	10	100		432483	0.0720	641A260627	126	20	120		431592	0.3583
638A266577	135	100	100		432209	0.2935	641A260637	126	20	120		431608	0.3050
638WG208	111	50	50		411150	0.2435	641A260647	126	15	90		431615	0.3667
638WG212E	111	50	50		406774	0.3677	641A260687	126	10	60		431622	0.6900
638WG215	111	50	50		411167	0.3968	641A260697	126	10	60		431639	0.5000
638X208	52	100	100		403360	0.1767	641A260707	126	10	60		431646	0.7000
638X208PK	52	20	20	✓	481306	0.1906	641A260727	126	10	60		431653	0.5000
638X212	52	100	100		481320	0.2613	641A260857	126	20	120		431660	0.3133
638X212E	52	50	50		499837	0.3187	641A260897	126	10	60		431677	0.5533
638X312	52	50	50		403384	0.4503	641A260977	126	8	48		431684	0.7500
638XT263	51	25	25		403391	0.2335	641AG222	125	25	150		414465	0.2400
638XT283	51	25	25		403407	0.2725	641AG223	125	20	120		414588	0.3100
640A235267	128	20	120		431271	0.3195	641AG322	125	20	120		414526	0.3000
640A260087	128	100	600		431240	0.0648	641AG323	125	15	90		414540	0.3600
640A260397	128	60	360		431257	0.1102	641AG332	125	20	120		414502	0.3500
640A260497	128	30	180		431264	0.1928	641AG333	125	15	90		414489	0.4200
640AG2	127	100	100		414458	0.0600	641AG334	125	10	60		414595	0.5500
640AG3	127	60	60		414472	0.1100	641AG433	125	10	60		414557	0.5000
640AG4	127	30	30		414496	0.1900	641AG442	125	10	60		414571	0.5000
640W02	105	100	1000		408440	0.0448	641AG443	125	10	60		414564	0.7000
640W03	105	100	100		408457	0.0950	641AG444	125	8	48		414601	0.7500
640X05	86	10	100		499608	0.1387	641AG544	125	5	30		414366	0.9100
640X06	86	10	50		499592	0.2217	641AG553	125	5	30		414342	0.7100
640XB01	37	100	1000		482624	0.0174	641AG554	125	5	30		414533	1.0000
640XB01PK2	37	20	20	✓	482600	0.0474	641AG555	125	5	30		414519	1.1342
640XB02	37	100	1000		482662	0.0233	641AG664	125	2	12		414403	1.4200
640XB02PK2	37	20	20	✓	482648	0.0593	641AG666	125	2	12		414380	1.8700
640XB03	37	100	1000		482709	0.0465	641AG774	125	1	6		414441	2.2500
640XB03PK2	37	20	20	✓	482686	0.0934	641AG777	125	1	6		414427	3.3600
640XB04	37	25	250		482716	0.0816	641QB222	212	12	12	✓	406279	0.2241
640XB04PK1	37	6	6	✓	420374	0.0779	641QB322	212	12	12	✓	406286	0.2838
640XB04PK2	37	20	20	✓	482693	0.1766	641QB323	212	6	6	✓	406293	0.3558
640XG01	37	100	1000		404626	0.0162	641QB332	212	6	6	✓	406309	0.3442
640XG02	37	100	1000		408648	0.0228	641QB333	212	6	6	✓	406316	0.3942
640XG03	37	100	1000		408655	0.0465	641QB334	212	6	6	✓	411129	0.5417
640XG04	37	25	250		408662	0.0764	641QB424	212	6	6	✓	411136	0.6167
640XP12	90	100	1000		403452	0.0047	641QB443	212	6	6	✓	406323	0.5408
640XP13	90	100	1000		403469	0.0088	641QB444	212	6	6	✓	406330	0.3250
640XP14	90	25	250		498908	0.0169	641W222	104	50	500		408464	0.0684
641-222	220	50	500		403476	0.0536	641W332	104	20	200		408471	0.2961
641-222X	59	50	50		403483	0.1504	641W333	104	20	200		408488	0.2925
641-222XPK2	59	10	10	✓	486684	0.1653	641WG222	103	50	50		409447	0.1360
641-332	220	20	200		403490	0.0957	641WG223	103	20	20		409454	0.2534
641-332X	59	50	50		486721	0.2378	641WG322	103	20	20		409461	0.2751
641-333	220	20	200		403513	0.1094	641WG323	103	20	20		409478	0.2767
641-333X	59	50	50		403520	0.2573	641WG332	103	20	20		409485	0.2913
641-333XPK2	59	10	10	✓	486738	0.2716	641WG333	103	20	20		409492	0.2888
641A235607	126	5	30		431714	1.1147	641WG334	103	20	20		409508	0.4498
641A235617	126	5	30		431721	1.0050	641WG433	103	20	20		409515	0.4630
641A235627	126	5	30		431738	0.7180	641WG442	103	20	20		409522	0.4740
641A235637	126	5	30		431745	1.0487	641WG443	103	20	20		409546	0.4870
641A235657	126	5	30		431752	0.9190	641WG444	103	20	20		409553	0.5035

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
641X544	85	10	50		495174	0.3498	642QB32	212	6	6	✓	406361	0.2380
641X552	85	10	50		499585	0.3603	642QB4	212	6	6	✓	406408	0.5275
641X553	85	10	50		499578	0.3627	642W2	103	25	250		408501	0.1174
641X554	85	10	50		499332	0.3472	642W3	103	25	125		408495	0.2663
641X555	85	5	50		498632	0.3397	642WG2	102	25	25		409560	0.1160
641XB111	35	50	500		486165	0.0671	642WG3	102	25	25		409577	0.2631
641XB111PK2	35	20	20	✓	486141	0.0807	642WG4	102	25	25		409584	0.3832
641XB222	35	50	500		486202	0.0650	642X1	33	25	250		487025	0.0312
641XB222PK2	35	20	20	✓	486189	0.0784	642X1PK2	33	20	20	✓	487001	0.0684
641XB223	35	20	200		486219	0.1385	642X2	33	25	250		487063	0.0426
641XB223PK2	35	20	20	✓	486196	0.1519	642X23PK2	33	20	20	✓	487056	0.2251
641XB322	35	20	200		486240	0.1286	642X2PK2	33	20	20	✓	487049	0.0957
641XB322PK2	35	20	20	✓	486226	0.1144	642X2PK3	33	10	10	✓	498700	1.0822
641XB323	35	20	200		486288	0.1227	642X3	33	25	250		487100	0.0899
641XB323PK2	35	20	20	✓	486264	0.1361	642X3PK2	33	20	20	✓	487087	0.1861
641XB332	35	20	200		486325	0.1312	642X3PK3	33	10	10	✓	498717	2.1872
641XB332PK2	35	20	20	✓	486301	0.1409	642X4	33	25	25		487148	0.2041
641XB333	35	20	200		486363	0.1401	642X43	33	25	25		405937	0.2041
641XB333PK2	35	20	20	✓	486349	0.1535	642X4PK2	33	20	20	✓	487124	0.4253
641XB334	35	20	200		403605	0.2328	642X5	85	10	50		498625	0.3313
641XB432	35	20	200		486448	0.1983	642XB1	34	25	250		441959	0.0528
641XB433	35	20	200		486486	0.1976	642XB2	34	25	250		441973	0.0533
641XB434	35	20	200		403636	0.2096	642XB23	34	25	250		441966	0.1118
641XB442	35	20	200		486523	0.2145	642XB3	34	25	250		441980	0.1267
641XB443	35	20	200		486561	0.2100	642XB4	34	25	25		441997	0.2200
641XB443PK2	35	20	20	✓	486547	0.2271	642XB43	34	25	25		488053	0.2192
641XB444	35	20	100		486608	0.2282	642XG1	33	25	250		408679	0.0528
641XG111	34	50	500		404893	0.0555	642XG2	33	25	250		408686	0.0476
641XG111PK1	34	25	25	✓	405326	0.0664	642XG23	33	25	250		408693	0.1284
641XG222	34	50	500		404909	0.0581	642XG3	33	25	250		408709	0.1099
641XG222PK1	34	25	25	✓	405333	0.0666	642XG4	33	25	25		408716	0.2181
641XG223	34	20	200		404916	0.1280	642XG43	33	25	25		408723	0.1806
641XG223PK1	34	25	25	✓	405708	0.1338	642XP2	88	25	250		432612	0.0109
641XG322	34	20	200		404923	0.1120	642XP3	88	25	250		432636	0.0227
641XG323	34	20	200		404930	0.1130	642XP32	88	25	250		432629	0.0184
641XG323PK1	34	25	25	✓	405821	0.1202	642XP4	88	25	25		432643	0.0442
641XG332	34	20	200		404947	0.1156	643-2	220	100	1000		403704	0.0252
641XG332PK1	34	25	25	✓	405883	0.1236	643-3	220	50	500		403711	0.0603
641XG333	34	20	200		405098	0.1160	643-3B	220	50	50		403759	0.0648
641XG333PK1	34	25	25	✓	405890	0.1230	643-C211	159	100	100		403766	0.2608
641XG442	34	20	200		405111	0.2149	643-C311	159	50	50		403773	0.4389
641XG442PK1	34	25	25	✓	406149	0.2202	643-C418	159	25	25		403780	1.0182
641XG443	34	20	200		405166	0.4098	643-C518	159	10	10		407498	1.4920
641XG443PK1	34	25	25	✓	405944	0.2184	643-C620	159	1	10		465443	2.1385
641XG444	34	20	200		405234	0.2282	643-C722	159	1	10		407504	3.3069
641XG444PK1	34	25	25	✓	406217	0.2311	643-P311	175	50	50		407511	0.4335
641XP222	89	50	500		432490	0.0143	643-P418	175	25	25		407535	1.0690
641XP223	89	20	200		409638	0.0210	643-P518	175	1	10		407528	1.4993
641XP322	89	20	200		432513	0.0221	643-P620	175	1	10		407542	2.1377
641XP323	89	20	200		432520	0.0275	643-P722	175	1	10		407559	3.5104
641XP332	89	20	200		432537	0.0248	643A235567	128	5	30		431356	0.5000
641XP333	89	20	200		432544	0.0304	643A235577	128	5	5		431363	0.5300
641XP334	89	20	200		432551	0.0391	643A235767	128	5	30		431370	0.6782
641XP433	89	20	200		432568	0.0364	643A235777	128	5	5		431387	1.1550
641XP434	89	20	200		432575	0.0489	643A235967	128	5	30		431394	1.4167
641XP442	89	20	200		432582	0.0376	643A235977	128	3	3		431400	1.6600
641XP443	89	20	200		432599	0.0447	643A260017	128	65	65		431288	0.0849
641XP444	89	20	200		432605	0.0542	643A260417	128	25	25		431295	0.2937
642-2	219	25	250		403674	0.0368	643A260827	128	35	35		431301	0.1810
642-3	219	25	250		403681	0.0851	643A260837	129	25	25		431349	0.2602
642A235597	124	8	48		431998	0.8000	643A260947	128	20	20		431318	0.4000
642A235797	124	2	12		432001	1.3600	643AG2	128	65	65		414724	0.0800
642A235997	124	2	12		432018	0.3958	643AG3	128	35	35		414748	0.1800
642A260657	124	40	240		431967	0.1500	643AG4	128	25	25		414731	0.2900
642A260677	124	25	150		431974	0.3200	643AG5	128	5	5		414670	0.5000
642A260717	124	10	60		431981	0.6000	643AG6	128	5	5		414687	0.6700
642AG2	124	40	240		414649	0.1500	643AG7	128	5	5		414700	1.4100
642AG3	124	25	150		414656	0.3200	643W2	105	100	1000		408518	0.0520
642AG4	124	10	60		414663	0.6000	643W3	105	50	50		408525	0.1138
642AG5	124	8	48		414618	0.8000	643W4	105	25	25		408532	0.2036
642AG6	124	2	12		414625	1.3600	643WG2	105	100	100		409591	0.0515
642AG7	124	2	12		414632	0.3900	643WG23	105	50	50		409393	0.0940
642QB2	212	12	12	✓	406347	0.2053	643WG3	105	50	50		409669	0.1138
642QB3	212	12	12	✓	406354	0.2850	643WG32	105	50	50		409409	0.0814

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
643WG4	105	25	25		409683	0.2015
643WG43	105	25	25		409690	0.1412
643WG5	105	5	5		409706	0.3100
643WG6	105	5	5		409713	0.4680
643WG7	105	5	5		409720	1.0486
643X1	38	100	1000		481726	0.0282
643X11	38	100	1000		403803	0.0208
643X1PK2	38	20	20	✓	481702	0.0682
643X2	38	100	1000		481764	0.0262
643X202	38	50	500		403827	0.0442
643X208	52	100	100		403834	0.1740
643X212	52	100	100		403841	0.2613
643X23	38	50	100		481771	0.0353
643X23PK2	38	20	20	✓	481757	0.0792
643X2PK2	38	20	20	✓	481740	0.0642
643X3	38	50	500		481849	0.0524
643X32	38	50	500		481801	0.0528
643X32PK2	38	10	10	✓	481788	0.1243
643X34	38	25	250		403889	0.0866
643X3PK2	38	10	10	✓	481825	0.1240
643X4	38	25	250		481924	0.1048
643X43	38	25	250		403902	0.0846
643X5	86	10	100		498571	0.1735
643X6	86	10	100		410283	0.2926
643XB1	39	100	1000		442000	0.0297
643XB2	39	100	1000		442017	0.0340
643XB23	39	50	500		442239	0.0424
643XB2PK3	39	5	5	✓	400451	3.6000
643XB3	39	50	500		410498	0.0653
643XB32	39	50	500		442031	0.0639
643XB34	39	25	250		442048	0.0796
643XB4	39	25	250		442055	0.1090
643XB43	39	25	250		442062	0.0994
643XG1	39	100	1000		408730	0.0339
643XG2	39	100	1000		408747	0.0346
643XG23	39	50	500		408754	0.0422
643XG3	39	50	500		408761	0.0654
643XG32	39	50	500		408778	0.0622
643XG34	39	25	250		408785	0.0789
643XG4	39	25	250		408792	0.1132
643XG43	39	25	250		408808	0.1145
644-2	220	100	1000		403919	0.0273
644-3	220	50	500		403926	0.0641
644A260047	129	65	65		431325	0.0923
644A260807	129	35	210		431332	0.2380
644AG2	129	65	65		414779	0.0900
644AG3	129	25	25		414755	0.2600
644AG4	128	20	20		414762	0.4000
644AG43	129	35	35		414786	0.2300
644AG5	128	5	5		415035	0.5300
644AG6	128	5	5		414694	1.1500
644AG7	128	3	3		414717	1.6600
644W2	106	100	100		408549	0.0322
644W3	106	50	50		410610	0.1517
644W4	106	25	25		408556	0.2550
644WG2	106	100	100		409737	0.0661
644WG23	106	50	50		409676	0.0956
644WG3	106	50	50		409744	0.1471
644WG32	106	50	50		409973	0.0076
644WG4	106	25	25		409751	0.2641
644WG43	106	25	25		409768	0.2080
644WG5	106	5	5		409775	0.3540
644WG6	106	5	5		409782	0.5503
644WG7	106	5	5		409799	1.0287
644X1	38	100	1000		482020	0.0282
644X1PK2	38	20	20	✓	482006	0.0682
644X2	38	100	1000		495273	0.0281
644X2PK2	38	20	20	✓	482044	0.0680
644X3	38	50	500		495280	0.0569
644X32	38	50	500		482105	0.0566
644X32PK2	38	10	10	✓	482082	0.1324
644X34	38	25	250		403971	0.0756
644X3PK2	38	10	10	✓	482129	0.1324
644X4	38	25	250		482266	0.1125

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
644X43	38	25	250		403995	0.1064
644X45	86	10	50		498533	0.1634
644X4PK2	38	5	5	✓	482242	0.2207
644X5	86	10	50		498526	0.2007
644XB1	40	100	1000		442079	0.0427
644XB2	40	100	1000		442086	0.0448
644XB2PK3	40	100	500	✓	400550	4.2830
644XB3	40	50	500		442093	0.0790
644XB32	40	50	500		442109	0.0735
644XB4	40	25	250		442116	0.1294
644XB43	40	25	250		442123	0.1441
644XB4PK1	40	25	25	✓	420510	0.1359
644XG1	40	100	500		408815	0.0451
644XG2	40	100	1000		408822	0.0442
644XG3	40	50	500		408839	0.0595
644XG32	40	50	500		408846	0.0773
644XG4	40	25	250		408853	0.1265
644XG43	40	25	250		408860	0.1346
645-2	220	100	1000		404008	0.0226
645-3	220	50	500		404015	0.0454
645-C2G	158	50	50		404114	0.0885
645-C3G	158	50	50		404107	0.1893
645A235517	127	10	10		431226	0.4165
645A235527	127	5	5		431165	0.5150
645A235717	127	5	30		431233	0.6098
645A235727	127	5	30		431172	0.7548
645A235737	127	5	30		431189	0.5433
645A235917	127	3	18		431196	1.0375
645A235927	127	3	18		431202	1.3330
645A235937	127	3	18		442147	0.9422
645A235947	127	3	18		431219	0.9333
645A243517	127	70	420		431097	0.0779
645A260227	127	60	60		431103	0.1148
645A260247	127	45	45		431110	0.1501
645A260317	127	35	35		431127	0.1813
645A260427	127	20	20		431134	0.3083
645A260447	127	25	25		431141	0.2382
645A3P	137	50	50		404671	0.3932
645A4P	137	20	20		404862	0.5599
645AC2	137	50	50		409317	0.1600
645AC3	137	50	50		409324	0.3628
645AC4	137	20	20		409331	0.5584
645AG1	127	70	70		414830	0.0700
645AG2	127	60	60		414847	0.1100
645AG3	127	35	35		414854	0.1800
645AG32	127	45	45		414861	0.1500
645AG4	127	20	20		414878	0.3000
645AG43	127	25	25		414885	0.2300
645AG5	127	5	5		414809	0.5100
645AG54	127	10	10		414793	0.4100
645AG6	127	5	5		414816	0.7500
645AG64	127	5	5		414823	0.5400
645AG7	127	3	3		431202	1.3300
645QB2	212	12	12	✓	406415	0.1412
645QB3	212	12	12	✓	406422	0.2217
645QB32	212	6	6	✓	406439	0.1970
645QB4	212	6	6	✓	406446	0.3480
645QB43	212	6	6	✓	406453	0.2980
645QB5	212	3	3	✓	406460	0.7983
645QB6	212	3	3	✓	406477	1.5333
645QB7	212	3	3	✓	406484	2.1450
645VC2	95	50	50		496386	0.1114
645VC3	95	50	50		496287	0.2162
645VC4	95	20	20		496522	0.3613
645WC2	115	50	50		404046	0.0833
645WC3	115	50	50		404053	0.1883
645WC4	115	20	20		404060	0.4634
645WG2	104	100	100		409805	0.0651
645WG3	104	50	50		409812	0.1302
645WG32	104	50	50		409829	0.1122
645WG3P	115	50	50		404879	0.2896
645WG4	104	25	25		409836	0.2308
645WG43	104	25	25		409843	0.1929
645WG4P	115	20	20		404886	0.4777

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
645WGC2	114	50	50		406781	0.1238	646-C324FPT	163	20	20		404336	2.1886
645WGC3	114	50	50		406798	0.2602	646-C3418	163	25	25		404343	0.8222
645WGC4	114	20	20		406804	0.4737	646-C3418FP	163	25	25		404350	1.6454
645X1	35	100	1000		482327	0.0152	646-C3424	163	25	25		404374	1.0591
645X1PK2	35	20	20	✓	482303	0.0170	646-C3424FP	163	25	25		404381	1.8573
645X2	35	100	1000		482365	0.0234	646-C3PK	163	10	10	✓	493200	0.4069
645X23P	58	50	50		495983	0.2009	646-C4308	163	25	25		496836	0.5361
645X2G	59	50	50		482549	0.0580	646-C5	154	10	10		499851	0.7242
645X2GPK2	59	10	10	✓	482549	0.0758	646-C6	154	10	10		499868	0.9564
645X2PK2	35	20	20	✓	482341	0.0590	646-C7	154	10	10		499875	1.5604
645X2PK3	35	10	10	✓	498724	2.3536	646-CG2	154	50	50		406897	0.0910
645X3	35	50	500		482440	0.0382	646-CG3	154	50	50		406903	0.2452
645X32	35	50	500		482402	0.0366	646-CG4	154	20	20		406910	0.3697
645X32PK2	35	20	20	✓	482389	0.0998	646-GP4312FD	201	25	25		412232	1.5090
645X34P	58	20	20		495853	0.3074	646-GP4312FP	201	25	25		412249	1.6006
645X3G	59	50	50		482563	0.0799	646-GP4412FD	201	25	25		412256	2.1240
645X3GPK2	59	10	10	✓	482563	0.0938	646-GP4412FP	201	25	25		412263	2.1010
645X3P	58	50	50		495945	0.2001	646-P3	174	50	50		404411	0.2402
645X3PK2	35	10	10	✓	482426	0.0955	646-P4	174	20	20		404428	0.3728
645X4	35	25	250		482525	0.0807	646-P5	174	10	10		499011	1.9210
645X43	35	25	250		482488	0.0711	646-P6	174	10	10		499882	1.0009
645X43P	58	20	20		495860	0.2261	646-P7	174	10	10		499899	1.6810
645X43PK2	35	10	10	✓	482464	0.1414	646-PG3	174	50	50		407177	0.2789
645X4P	58	20	20		495846	0.3057	646-PG4	174	20	20		407191	0.4165
645X4PK2	35	10	10	✓	482501	0.1535	646A235557	130	5	5		431486	0.6903
645X5	86	10	10		498519	0.1300	646A235757	130	5	5		431493	1.0800
645X54	86	10	100		497581	0.0384	646A235957	130	3	3		431509	1.8670
645X54P	86	10	10		495839	0.3735	646A243537	130	50	50		431417	0.1298
645X5P	86	10	10		496034	0.5771	646A260237	130	65	65		431424	0.1468
645X6	86	10	50		496690	0.2413	646A260327	130	35	35		431431	0.2762
645XB1	36	100	1000		442130	0.0224	646A260437	130	20	20		431448	0.4042
645XB12	36	50	500		488060	0.0255	646A260597	130	20	120		431455	0.3246
645XB12PK2	36	20	20	✓	482310	0.1394	646A260737	131	25	150		431462	0.2600
645XB2	36	100	1000		410603	0.0280	646A260747	132	15	90		431479	0.4000
645XB2PK3	36	5	5	✓	401472	2.7800	646A306FP	137	10	10		403933	0.9212
645XB3	36	50	500		410580	0.0480	646AG2	129	65	65		414939	0.1400
645XB32	36	50	500		410597	0.0474	646AG21	129	50	50		414922	0.1200
645XB4	36	25	250		410566	0.0880	646AG2E	131	25	150		414977	0.2600
645XB43	36	25	250		410573	0.0760	646AG3	129	35	35		414946	0.2700
645XB43PK1	36	25	25	✓	420084	0.0718	646AG34	129	20	20		414960	0.3200
645XC2	58	50	50		404152	0.0684	646AG4	129	20	20		414953	0.4000
645XC23	58	50	50		496225	0.1710	646AG5	129	5	5		414892	0.6900
645XC2PK2	58	10	10	✓	482051	0.0908	646AG6	129	5	5		414908	1.0800
645XC3	58	50	50		404169	0.1267	646AG7	129	3	3		414915	1.8600
645XC34	58	20	20		496119	0.2989	646QB2	213	12	12	✓	406491	0.1323
645XC3PK2	58	10	10	✓	482136	0.1493	646QB3	213	12	12	✓	406507	0.4900
645XC4	58	20	20		404176	0.2025	646QB32	213	6	6	✓	406514	0.1930
645XC43	58	20	20		496201	0.2036	646QB4	213	6	6	✓	406521	0.2892
645XC5	86	10	10		496256	0.5202	646W2	107	100	100		408570	0.1197
645XC54	86	10	10		496041	0.4830	646W3	107	25	250		408587	0.1905
645XG1	36	100	1000		408877	0.0211	646W306FP	112	10	10		403957	1.0200
645XG12	36	50	500		408884	0.0255	646W4	107	25	25		408563	0.2987
645XG2	36	100	1000		408891	0.0028	646WG2	106	100	100		409850	0.1212
645XG3	36	50	500		408907	0.0501	646WG3	106	25	25		409867	0.1883
645XG32	36	50	500		408914	0.0465	646WG32	106	25	25		409874	0.1876
645XG4	36	25	250		408921	0.0843	646WG34	106	25	25		409881	0.2325
645XG43	36	25	250		408938	0.0730	646WG4	106	25	25		409898	0.2987
645XP2	89	100	1000		432650	0.0065	646WG43	106	25	25		409904	0.3384
645XP3	89	50	50		432674	0.0176	646WG5	106	5	5		409911	0.6540
645XP32	89	50	500		432667	0.0011	646WG6	106	5	5		409928	0.9052
645XP4	89	25	250		432704	0.0250	646WG7	106	5	5		409935	1.8665
645XP42	89	25	250		432681	0.0173	646X306FP	56	10	10		403940	1.2066
645XP43	89	25	250		432698	0.0192	646X318	56	25	25		404473	0.7546
646-306FP	196	10	10		403872	0.8422	646X318FP	56	25	25		404480	1.3918
646-C306FP	163	10	10		403964	1.0165	646X5	86	10	50		495525	0.0939
646-C309	163	25	25		495686	0.4383	646XB12PK2	41	20	20	✓	483096	0.1234
646-C309FP	163	25	25		495662	1.0974	646XB2	41	100	100		495303	0.1082
646-C318	163	25	25		404275	0.7537	646XB23	41	50	50		410542	0.1097
646-C318FP	163	25	25		404282	1.4924	646XB23PK2	41	20	20	✓	483157	0.0934
646-C318FPPK	163	10	10	✓	494306	1.7556	646XB2PK2	41	20	20	✓	483102	0.1194
646-C318FPT	163	20	20		404305	1.9433	646XB2PK3	41	100	100	✓	483126	0.1085
646-C318PK	163	10	10	✓	494283	0.9963	646XB3	41	25	250		495310	0.1731
646-C324	163	25	25		404312	0.9790	646XB32	41	50	50		483164	0.1750
646-C324FP	163	25	25		404329	1.6292	646XB32PK2	41	20	20	✓	483140	0.3177

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
646XB34	41	50	50		410528	0.1800	647X23EPK2	43	20	20	✓	482914	0.2632
646XB34PK2	41	25	25	✓	494313	0.1927	647X2E	43	50	50		495297	0.2600
646XB3PK2	41	20	20	✓	483188	0.1824	647X2EPK2	43	20	20	✓	482907	0.2531
646XB4	41	50	50		483249	0.2789	647X2EPK3	43	50	50	✓	482921	0.2650
646XB43	41	50	50		410511	0.2789	647X2HE	43	50	50		412386	0.3092
646XB4PK2	41	20	20	✓	483225	0.2911	647XB2	42	50	250		483027	0.1398
646XG12PK2	41	20	20	✓	407306	0.1234	647XB23	42	50	50		410559	0.1881
646XG2	41	100	100		406958	0.1082	647XB23PK2	42	10	10	✓	483010	0.2063
646XG23	41	50	50		408945	0.1094	647XB2PK2	42	10	10	✓	483003	0.1463
646XG23PK2	41	20	20	✓	406965	0.0934	647XB3	42	50	50		483065	0.1944
646XG3	41	25	250		406972	0.2014	647XB3PK2	42	10	10	✓	483041	0.2124
646XG32	41	50	50		406989	0.1965	647XB4	42	50	50		410504	0.3785
646XG34	41	25	25		406996	0.2357	647XB4PK2	42	10	10	✓	494320	0.3927
646XG4	41	50	50		407054	0.2789	647XG2	42	50	250		407092	0.1181
646XG43	41	50	50		408952	0.2739	647XG23PK2	42	10	10	✓	407115	0.2063
646XG43PK2	41	20	20	✓	407078	0.2509	647XG3	42	50	50		407139	0.1944
646XP2	90	100	100		432711	0.0164	647XG4	42	50	50		407153	0.3436
646XP23	90	50	50		432728	0.0198	648-82	192	10	10		499288	0.5809
646XP3	90	25	250		432742	0.0254	648-83	192	10	10		499271	1.0227
646XP32	90	50	50		432735	0.0240	648-84	192	10	10		499226	1.4230
646XP4	90	25	250		404220	0.0211	648-C2W	164	10	10		404732	0.6299
647-C2D	157	50	50		404558	0.2052	648-C3W	164	10	10		404770	0.8697
647-C2DPK2	157	10	10	✓	493224	0.3073	648-CG2FP	164	10	10		411921	0.6930
647-C2DW	157	50	50		404565	0.2248	648-CG2FPD	164	10	10		412058	0.5360
647-C2DWPk2	157	10	10	✓	493248	0.3193	648-CG3FP	164	10	10		412102	1.0427
647-C2E3	156	50	50		498564	0.3414	648-CG3FPD	164	10	10		412119	0.8972
647-C2E3PK2	156	10	10	✓	492920	0.3578	648-CG4FP	164	10	10		412126	1.2560
647-C3E	156	25	25		407566	0.4312	648-CG4FPD	164	10	10		412133	1.5452
647-C4E	156	10	10		407573	0.7242	648-CG5FP	164	5	5		412140	2.7914
647-C5	154	10	10		499349	0.6990	648-CG6FP	164	1	1		412157	4.3159
647-C6	154	10	10		499356	0.9932	648-CG7FP	164	1	1		412164	6.6868
647-C7	154	10	10		499363	1.5275	648-P3FP	176	10	10		404794	1.0824
647-CG2	154	50	50		406927	0.1073	648-P4FP	176	10	10		404800	1.6298
647-CG3	154	50	50		406934	0.1640	648-P5FP	176	5	5		498939	4.4160
647-CG4	154	20	20		406941	0.4251	648-P6FP	176	1	1		498946	3.8203
647-P3	174	50	50		404602	0.2894	648-P7FP	176	1	1		498953	5.7879
647-P4	174	20	20		404619	0.4276	648A261376	139	18	18		432117	0.5000
647-P5	174	1	10		499004	0.7566	648A261476	139	12	72		432124	0.0715
647-P6	174	1	10		499370	1.0076	648A261906	138	24	24		432131	0.4375
647-P7	174	1	10		499387	1.4509	648A261946	139	24	24		432070	0.3330
647-PG3	174	50	50		407245	0.2894	648A261956	138	12	12		432087	0.5542
647-PG4	174	20	20		407252	0.4276	648A261976	139	18	18		432094	0.3889
647A260287	130	35	35		431516	0.1589	648A261996	139	18	18		432100	0.3982
647A260387	130	25	25		431523	0.2872	648A4FP	138	10	10		404138	1.7686
647A260487	130	10	10		431530	0.5239	648QB2	215	12	12	✓	406590	0.4142
647A260667	131	20	20		431547	0.3000	648QB220A	215	12	12	✓	406606	0.2925
647A260777	131	15	90		431554	0.4778	648QB220S	215	12	12	✓	406613	0.2788
647A260787	131	8	48		431561	0.9181	648QB3	215	12	12	✓	406620	0.6217
647AG2	130	35	35		414991	0.1500	648QB4	215	6	6	✓	406637	1.1275
647AG2E	131	20	20		415028	0.3000	648QB220A	215	12	12	✓	406644	0.3200
647AG3	130	25	25		415004	0.2800	648VG2FP	95	10	10		412997	0.5900
647AG4	130	10	10		415011	0.5200	648VG3FP	95	10	10		413000	0.9015
647QB2	213	12	12	✓	406538	0.1358	648VG4FP	95	10	10		413017	1.4800
647QB2E	214	6	6	✓	406545	0.2350	648WG2FP	115	10	10		412362	0.5895
647QB3	213	6	6	✓	406552	0.2250	648WG3FP	115	10	10		412379	0.9015
647QB32	213	6	6	✓	406569	0.1975	648WG4FP	115	10	1		412348	1.4795
647QB34	213	6	6	✓	406576	0.2792	648X2	60	10	100		506955	0.3135
647QB4	213	6	6	✓	406583	0.3133	648X2PK	60	10	10		485007	0.2991
647QB43	213	1	6	✓	410672	0.2792	648X2W	60	12	12		506993	0.5588
647W2	107	50	250		408594	0.1367	648X2WPK	60	10	10	✓	485144	0.5659
647W2E	108	50	50		406859	0.2824	648X3	60	10	100		507006	0.4150
647W3	107	50	50		408600	0.1985	648X3PK	60	10	10		485021	0.4450
647WG2	107	50	50		409942	0.1391	648X3W	60	12	12		507020	0.7173
647WG23	107	50	50		409959	0.1684	648X3WPK	60	10	10	✓	485168	0.7218
647WG3	107	50	50		409966	0.1960	648X4	60	6	60		442178	0.7369
647WG32	107	25	25		409607	0.2084	648X4FP	60	10	10		495341	1.3767
647WG4	107	25	25		409980	0.4363	648X4FPPK	60	6	6	✓	485045	1.4186
647WG43	107	25	25		409997	0.3923	648X92PK1	60	12	12	✓	441874	0.1648
647WG5	107	5	5		410016	0.5503	648X93PK1	60	12	12	✓	441881	0.3480
647WG6	107	5	5		410030	0.8236	648XG2	60	10	120		406866	0.2994
647WG7	107	5	5		410535	1.6813	648XG3	60	8	96		406873	0.4171
647X1E	43	50	50		482884	0.2407	648XG4	60	4	40		406880	0.5872
647X1EPK2	43	20	20	✓	482860	0.2578	649-1	219	100	1000		404817	0.0103
647X23E	43	50	50		482938	0.2462	649-2	219	100	1000		404824	0.0134

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
649-3	219	100	500		404831	0.0182	660-TB	228	25	25		106124	0.5246
649-4	219	25	250		404848	0.0228	660-TC0	228	6	6	✓	106148	0.5887
649A235507	124	25	25		431066	0.2800	660-TCOB	228	25	25		106155	0.4517
649A235707	124	20	120		431073	0.2830	660-TC1	228	6	6	✓	106384	0.5783
649A235907	124	5	5		431080	0.5203	660-TC1B	228	25	25		106131	0.4413
649A243507	124	150	900		431028	0.0456	660-TK	227	6	6	✓	106162	0.5500
649A260077	124	150	150		431035	0.0482	660-TKB	227	25	25		106186	0.4873
649A260077C	124	20	100		404237	0.0493	660-TR	228	6	6	✓	106728	0.6466
649A260577	124	80	80		431042	0.0776	660-TRO	228	1	6	✓	106797	0.5340
649A260877	124	40	40		431059	0.1545	660-TROB	228	25	25		106803	0.4528
649TX2	32	100	1000		407603	0.0064	660-TR1	228	6	6	✓	106377	0.5815
649TX3	32	100	500		407948	0.0095	660-TR1B	228	25	25		106216	0.4452
649TX4	32	25	250		407955	0.0174	660-TRB	228	25	25		106223	0.5107
649W2	102	50	1000		408617	0.0064	660-TS	227	25	25		106230	0.2834
649W3	102	50	500		410627	0.0119	660-TS8	227	25	25		106247	0.4401
649W4	102	25	250		408624	0.0200	660-TS88	227	25	25		106254	0.7332
649X1	32	100	1000		483522	0.0111	660-TSV7	227	25	25		109880	0.5207
649X1PK2	32	6	6	✓	483508	0.3002	660-TSX	227	25	25		109835	0.4465
649X2	32	100	1000		495327	0.0127	660-TSX7	227	25	25		109897	0.5097
649X2PK2	32	24	24	✓	483546	0.3339	660-TSX88	227	25	25		109828	0.7954
649X2PK3	32	10	10	✓	483560	1.2912	660-TW2	228	25	25		106261	0.4672
649X3	32	100	500		495334	0.0178	660-TX1	228	6	6	✓	106308	0.5585
649X3PK2	32	12	12	✓	483584	0.4532	660-TX1B	228	25	25		106292	0.6390
649X3PK3	32	10	10	✓	483607	1.7443	660-TX2	228	6	6	✓	106285	0.5167
649X4	32	25	250		483645	0.0240	660-TX2B	228	25	25		106278	0.4400
649X4PK2	32	10	10	✓	483621	0.2622	660-V2	226	6	6	✓	106506	0.2567
649X5	32	25	250		495457	0.0894	660-V2B	226	50	50		106513	0.1788
649X6	32	25	250		495372	0.0786	660-V82	226	6	6	✓	490742	0.2550
652-A	229	1	16		107527	0.6090	660-V82B	226	50	50		490759	0.1614
652-AC	229	1	16		106780	0.6980	660-VPX2B	226	50	50		486615	0.2145
652-AD	233	1	16		109668	0.6520	660-WG2B	226	50	50		406811	0.4437
652-AS	229	1	16		107022	0.6997	660-X2B	226	50	50		106315	0.1605
652-AX	229	1	16		430311	0.5645	671X0430	67	25	25		404954	0.7462
653-B	229	1	16		107534	0.7913	671X0490	67	25	25		404961	0.6584
653-BC	229	1	16		154101	0.8193	671X0630	67	25	25		404978	1.0253
653-BS	229	1	16		107053	0.8445	671X0690	67	25	25		404985	0.9161
653-BX	229	1	16		430328	0.7294	671X0830	67	25	25		404992	1.3095
654-C	229	1	16		107541	1.0300	671X0890	67	25	25		405005	1.2170
654-CC	229	1	16		154118	1.2016	671X1030	67	25	25		405012	1.6022
654-CS	229	1	16		107084	1.0591	671X1090	67	25	25		405029	1.4624
654-CX	229	1	16		404466	0.9941	671X1230	67	25	25		405036	1.8138
655-D	229	1	4		107558	2.0476	671X1290	67	25	25		405043	1.5919
655-DS	229	1	4		107114	2.1232	672A04C0	145	10	10		402820	1.0175
656-E	229	1	4		107121	2.3756	672A06C0	145	10	10		404145	1.3376
656-ES	229	1	4		107145	2.4628	672A08C0	145	10	10		404206	1.6814
657-F	229	1	4		107152	2.7856	672A10C0	145	10	10		404299	1.9460
657-FD	233	1	4		109675	2.7856	672A12C0	145	10	10		404398	2.4442
657-FS	229	1	4		107176	2.9875	672A234107	144	1	4	✓	432452	5.0605
658-1503	231	1	1		107268	17.1100	672A234417	143	1	5	✓	432445	2.1151
658-2002	231	1	1		107336	17.9900	672A234427	143	1	10	✓	432438	0.4367
658-2004	231	1	1		107350	18.6360	672A234437	143	1	10	✓	432421	0.6012
658-4004	231	1	1		107411	30.9261	672A234447	143	1	10	✓	432414	0.7651
658-4004F2	231	1	1		107435	32.6249	672A234457	143	1	10	✓	432407	1.3137
658S2002	231	1	1		107503	20.5000	672A234467	143	1	10	✓	432391	1.2800
658S2004F2	231	1	1		107510	29.4572	672A234487	143	1	10	✓	432384	1.2259
658S4004F2	231	1	1		107565	41.3000	672A234517	145	1	5	✓	432377	2.7610
660-3SB	226	50	50		106032	0.2862	672A234527	145	1	10	✓	432360	0.6030
660-C	226	6	6	✓	106643	0.3667	672A234537	145	1	10	✓	432353	1.1206
660-CB	226	50	50		106056	0.2821	672A234547	145	1	10	✓	432346	0.9290
660-G2	226	6	6	✓	154316	0.3821	672A234557	145	1	10	✓	432339	1.5733
660-G2B	226	50	50		407832	0.2620	672A234567	145	1	10	✓	432322	1.7000
660-GT	228	6	6	✓	154323	0.5917	672A234587	145	1	10	✓	432315	3.4100
660-GTB	228	25	25		201553	0.5246	672A234607	143	1	5	✓	432308	2.6615
660-GTR	228	6	6	✓	154330	0.5917	672A234637	143	1	5	✓	432292	2.7863
660-GTR1	228	6	6	✓	154347	0.5333	672A234647	143	1	5	✓	432285	9.8900
660-GTR1B	228	25	25		407849	0.4452	672A234667	143	1	5	✓	432278	7.8400
660-GTRB	228	25	25		407856	0.5107	672A234677	143	1	5	✓	432261	11.6172
660-H	227	6	6	✓	106605	0.5317	672A266327	143	1	10	✓	432254	0.7250
660-HB	227	25	25		106070	0.4638	672A266337	143	1	10	✓	432247	0.9166
660-S	226	6	6	✓	106773	0.3275	672A266347	143	1	10	✓	432230	2.1530
660-SB	226	50	50		106094	0.2409	672A266357	144	1	5	✓	432469	11.5676
660-T	228	6	6	✓	106667	0.6603	672A266367	144	1	1	✓	432223	7.1178
660-T22	227	25	25		106117	0.2620	672A266397	144	1	5	✓	432216	3.7838
660-TA2B	228	1	25		109613	0.5529	672BXT0390	76	10	10	✓	408389	0.2370

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
672BXT0399	76	10	10	✓	408396	0.2360	672X0599	67	25	25		405135	0.7935
672BXT0490	76	10	10	✓	408402	0.2410	672X0630	71	25	25		405142	1.0048
672BXT0499	76	10	10	✓	408419	0.2420	672X0633EE	70	10	10		405159	1.4066
672C0242	74	1	10		499998	1.0737	672X0640	73	25	25		406095	1.0088
672C0342	74	1	10		465436	2.1985	672X0644	71	25	25		406101	1.2257
672C0442	74	1	10		499394	1.8872	672X0670	70	10	10		497987	0.9465
672CB0242	75	1	10		499400	1.9246	672X0677	68	10	10		497833	0.9418
672CB0342	75	1	10		499417	2.7803	672X0690	69	25	25		480361	0.8958
672CB0442	75	1	10		499424	3.5466	672X0690EE	69	10	10		405173	1.4066
672CV0242	74	1	10		499431	1.3647	672X0690PK	69	5	5	✓	402073	0.9876
672CV0342	74	1	10		499448	1.9538	672X0697	68	10	10		497802	0.9465
672CV0442	74	1	10		499455	2.4736	672X0699	67	25	25		405180	0.8958
672PXT0390	92	10	10	✓	412515	0.3746	672X0699PK	67	6	6	✓	480163	0.9740
672PXT0490	92	10	10	✓	412522	0.4125	672X0790	69	25	25		405197	1.0226
672WG0240	119	1	10		407412	0.4610	672X0830	71	25	25		405203	1.2822
672WG0340	119	1	10		407405	0.6952	672X0833EE	70	10	10		405210	1.7579
672WG03C0	120	10	10	✓	412300	1.0330	672X0840	73	25	25		406118	1.3394
672WG0430	119	1	10		412874	1.1217	672X0844	71	25	25		406125	1.4826
672WG0440	119	1	10		407337	0.8440	672X0870	70	10	10		497932	1.1901
672WG04C0	120	10	10	✓	412294	1.2053	672X0877	68	10	10		497864	1.2691
672WG0630	119	1	10		411938	1.5376	672X0890	69	25	25		405227	1.1901
672WG0640	119	1	10		407368	1.0740	672X0897	68	10	10		497765	1.1901
672WG06C0	120	10	10	✓	412287	1.3748	672X0899	67	25	25		480187	1.1901
672WG0830	119	1	10		411884	2.0439	672X0930	71	25	25		405241	1.4109
672WG0840	119	1	10		407375	2.0465	672X0990	69	25	25		405258	1.2998
672WG08C0	120	10	10	✓	412270	2.1491	672X0999	67	25	25		405265	1.2998
672WG1040	119	1	10		407382	1.6900	672X1033EE	70	10	10		405272	2.0149
672WG1240	119	1	10		407399	2.0060	672X1090	69	25	25		405289	1.4285
672WV0230	119	1	10		407726	1.1797	672X1230	71	25	25		405296	1.7731
672WV0330	119	1	10		407719	1.6940	672X1233EE	70	10	10		405302	3.0547
672WV0344	120	1	10	✓	411204	1.5135	672X1240	73	25	25		405319	1.7731
672WV0430	119	1	10		407702	2.8388	672X1244	71	25	25		406132	1.9955
672WV0444	120	1	10	✓	411211	1.9247	672X1270	70	10	10		497918	1.7832
672WV0630	119	1	10		407696	2.9185	672X1277	68	10	10		497901	1.8036
672WV0644	120	1	10	✓	411228	2.8185	672X1290	69	25	25		480460	1.5824
672WV0830	119	1	10		407689	5.1138	672X1297	68	10	10		498427	1.7832
672WV0844	120	1	10	✓	411235	3.5510	672X1299	67	25	25		480224	1.5858
672WV1030	119	1	10		407672	5.9912	672X4L-1131B3	72	5	5		405340	3.8130
672WV1044	120	1	10	✓	411242	4.6911	672XB0242	73	1	10		499684	1.6998
672WV1144	120	1	10	✓	411259	5.0858	672XB0342	73	1	10		499691	2.4035
672WV1230	119	1	10		407429	5.1760	672XB0442	73	1	10		499707	3.0666
672WV1244	120	1	10	✓	411266	5.4989	672XP0480	92	10	10	✓	412959	0.2759
672WV1344	120	1	10	✓	411273	5.9224	672XP0490	91	10	10	✓	412454	0.5157
672WV1444	120	1	10	✓	411280	6.3647	672XP0499	91	10	10	✓	412461	0.6895
672WV1644	120	1	4	✓	411297	6.8869	672XP0690	91	10	10	✓	412478	0.7183
672X03C0	74	10	10		499561	0.7305	672XP0698	92	10	10	✓	413130	0.8310
672X04C0	74	10	10		499233	0.8368	672XP0699	91	10	10	✓	412485	0.7249
672X05C0	74	10	10		499219	0.9398	672XP0890	91	10	10	✓	412492	0.7889
672X06C0	74	10	10		499127	1.0665	672XP0899	91	10	10	✓	412508	0.9579
672X08C0	74	10	10		498830	1.3773	672XV0242	72	1	10		499714	1.1199
672X10C0	74	10	10		498847	1.6374	672XV0342	72	1	10		499721	1.5234
672X12C0	74	10	10		498540	1.9020	672XV0431PK	72	5	5	✓	480835	1.8586
672X0242	72	1	10		499653	0.6390	672XV0442	72	1	10		499738	2.0055
672X0330	71	25	25		400772	0.6592	672XV0490	69	1	10		405357	2.1130
672X0342	72	1	10		499660	0.8061	672XV0490PK	69	5	5	✓	401670	1.9397
672X0390	69	25	25		405050	0.5211	672XV0499	68	1	10		405364	2.1978
672X0390PK	69	5	5	✓	402011	0.5714	672XV0590	69	1	10		405371	2.5752
672X0399	67	25	25		405067	0.5209	672XV0599	68	1	10		405388	2.6204
672X0430	71	25	25		405074	0.7324	672XV0690	69	1	10		405395	2.9734
672X0431PK	70	5	5	✓	480729	1.0780	672XV0699	68	1	10		405401	3.1922
672X0433EE	70	10	10		405081	1.1682	672XV0699-2PK	68	5	5	✓	480170	2.7780
672X0440	73	25	25		406071	0.8368	672XV0810	73	1	10		405418	3.4080
672X0441PK	72	5	5	✓	480828	1.0249	672XV0810L	73	1	10		441737	3.9482
672X0442	72	1	10		499677	0.9478	672XV1010	73	1	10		405425	4.7564
672X0444	71	25	25		406088	0.9087	672XV1010L	73	1	10		441744	4.7564
672X0470	70	10	10		498175	0.7003	672XV1210	73	1	4		405432	6.0507
672X0477	68	10	10		497826	0.7003	672XV1210L	73	1	4		441751	6.1478
672X0490	69	25	25		480323	0.6448	672XV1510	73	1	5		405449	7.3391
672X0490EE	69	10	10		405104	1.1682	672XV1510L	73	1	5		441768	7.3824
672X0490PK	69	5	5	✓	402059	0.6951	672XV1810	73	1	5		405456	8.5368
672X0497	68	10	10		497819	0.7003	672XV1810L	73	1	5		441775	8.5368
672X0499	67	25	25		480125	0.6448	672XV3L-0431PK	71	5	5	✓	480736	1.9399
672X0499PK	67	6	6	✓	420602	0.8850	672XV4L-11313	72	1	5		405463	6.1294
672X0590	69	25	25		405128	0.8035	675-20242	77	10	10		499745	0.7055

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
675-20244	78	10	10		405470	0.5344	689WG3202	117	12	12	✓	408358	1.2634
675-20342	77	10	10		499752	0.9039	689WG3212	117	12	12	✓	408365	1.4207
675-20344	78	10	10		405487	0.7307	689WG5103	117	12	12	✓	408426	1.8165
675-20442	77	10	10		499769	1.1545	689WG5113	117	12	12	✓	408433	1.9258
675-20444	78	10	10		405494	0.9269	689X2101	63	12	12	✓	481658	0.6917
675-20544	78	10	10		405500	1.1232	689X2111	63	12	12	✓	481665	0.9038
675-B20242	78	1	12		499776	1.6954	689X2201	63	12	12	✓	481672	0.8454
675-B20342	78	1	10		499783	2.3879	689X2211	63	12	12	✓	407580	0.9354
675-B20442	78	1	10		499790	3.1208	689X2291	64	12	12	✓	401953	0.7113
675-V20242	77	1	10		499806	1.1574	689X3102	63	12	12	✓	483652	0.9350
675-V20244	77	1	10		405517	1.1597	689X3112	63	12	12	✓	481993	1.2398
675-V20342	77	1	10		499813	1.6412	689X3202	63	12	12	✓	481986	1.0100
675-V20344	77	1	10		405524	1.9628	689X3212	63	12	12	✓	481979	1.3162
675-V20442	77	1	10		499479	2.0393	689X5103	64	12	12	✓	481962	1.5278
675-V20444	77	1	10		405531	2.0576	689X5113	64	12	12	✓	481955	1.6321
675-V20544	77	1	10		405548	2.5596	690-0145	203	1	9	✓	482723	4.3878
677-11	80	1	10		499844	0.6085	690-0175	203	1	1	✓	407801	4.8833
677-116	80	1	10		495051	0.7360	690-2045	203	1	1	✓	482730	4.3260
677-117	80	1	10		495044	1.0438	690-2075	203	1	9	✓	407818	4.7778
67745L-08334	80	1	5		405555	4.6767	690-3045	215	1	1	✓	482747	4.2689
678-20242	76	10	10		405562	0.4528	690-3075	215	1	1	✓	407825	4.7722
678-20342	76	10	10		405579	0.5670	690-4045	203	1	1	✓	482754	4.4820
678-20344	76	10	10		405586	0.5374	690-5055	203	1	1	✓	482761	4.5290
678-20442	76	10	10		405593	0.7080	690C0145	169	1	1	✓	408136	4.2500
678-20644	76	10	10		405609	1.0808	690C0175	169	1	1	✓	408976	5.1380
678-21244	76	10	10		405616	1.7190	690C4045	169	1	1	✓	408150	4.3650
6784L-11313	76	5	5		405623	3.1345	690X0145	65	1	1	✓	408174	4.4806
6795L-12333	78	1	5		405630	4.6994	690X0175	65	1	1	✓	408969	44.6400
6796L-12333	79	1	5		405647	5.6333	690X4045	65	1	1	✓	408198	4.1050
6797L-12333	79	1	4		405654	7.2400	692-1308	201	25	25		405807	0.5756
679X102299	75	10	10		405661	1.6610	693-01024102	166	12	12	✓	405814	2.3871
679X152190	75	10	10		405678	0.9269	693-01124101	62	12	12	✓	497093	2.6583
679X152199	75	10	10		405685	0.9269	693-01155104	62	12	12	✓	497321	2.5897
679X172199	75	10	10		405692	1.2624	693-01226108	202	12	12	✓	411181	2.8839
682-L5113	189	25	25		405715	0.3795	693-01226301	202	12	12	✓	498182	3.3413
682-L5140	189	25	25		405722	0.5361	693-01724101	116	12	12	✓	407610	2.6600
682-M5113	189	25	25		405739	0.2928	693-01755104	116	12	12	✓	402370	2.4010
682-M5140	189	25	25		405746	0.4494	693-01815104	96	12	12	✓	407009	2.3987
682XL5213	52	25	25		405753	0.4103	693-01815304	96	12	12	✓	412805	2.3840
682XL5240	52	25	25		405760	0.5578	693-01824101	96	12	12	✓	406040	2.7516
682XL5240PK	52	10	10	✓	488046	0.4830	693-01915104	140	12	12	✓	404855	2.4383
685-C2	159	20	20		497185	0.1073	693-01924101	140	12	12	✓	404503	2.8129
685-C3	159	20	20		496928	0.1634	693-02016307	166	12	12	✓	409539	2.3000
685-C4	159	20	20		497024	0.2545	693-02134203	62	12	12	✓	498762	4.2122
685-C5	159	10	10		497079	0.5275	693-03124203	62	12	12	✓	498465	3.3417
685-C6	159	5	5		497758	0.6591	693-03226107	202	12	12	✓	411198	3.3839
685-C7	159	5	5		497314	1.0472	693-03724203	116	12	12	✓	485335	4.1556
685-P3	175	20	20		497734	0.1850	693-03824203	96	12	12	✓	405791	4.0093
685-P4	175	20	20		497628	0.2718	693-03924203	140	12	12	✓	403896	4.0706
685-P5	175	10	10		497512	0.5442	693-06024203	166	12	12	✓	405845	3.5917
685-P6	175	5	5		497383	0.6743	693-12213203	202	12	12	✓	495723	3.0292
685-P7	175	5	5		410467	1.0218	693-13032303	166	12	12	✓	495976	1.8542
689AG2201	141	12	12	✓	413208	0.8952	693-13155301	62	12	12	✓	495488	3.3162
689AG2211	141	12	12	✓	413215	1.0506	693-13755301	116	12	12	✓	411310	3.2962
689AG2291	142	12	12	✓	413628	0.8151	693-13815301	96	12	12	✓	405784	3.4017
689AG3202	141	12	12	✓	413642	1.3081	693-13915301	140	12	12	✓	402967	3.4414
689AG3212	141	12	12	✓	413659	1.4802	693-16713203	116	12	12	✓	496980	3.9523
689AG5103	141	12	12	✓	413666	2.0005	693-16913203	140	12	12	✓	405777	3.6124
689AG5113	141	12	12	✓	413673	2.1684	693-32234403	202	12	12	✓	496904	4.4248
689C0101	167	12	12	✓	481603	0.8471	693-32434403	166	12	12	✓	495556	3.0833
689C0111	167	12	12	✓	481559	1.0333	694-G21012091	203	10	10	✓	413369	1.4818
689C0191	168	12	12	✓	402295	1.1371	694-G21012391	203	10	10	✓	413376	1.7098
689C1102	167	12	12	✓	481566	1.1905	694-G2111120	203	10	10	✓	413345	0.6120
689C1112	167	12	12	✓	481610	1.3558	694-G2111123	203	10	10	✓	414298	1.0678
689C3103	168	12	12	✓	481627	1.7680	694-G221224	203	10	10	✓	414304	2.8819
689C3113	168	12	12	✓	481634	1.9357	694-G858520	203	10	10	✓	414311	0.0969
689VG2201	97	12	12	✓	413093	0.8564	694-G868620	203	10	10	✓	414328	0.0969
689VG2211	97	12	12	✓	413161	1.0418	694AG32012091	142	10	10	✓	407641	1.9305
689VG2291	98	12	12	✓	413192	0.8729	694AG32012093	142	10	10	✓	408204	1.7567
689VG3202	97	12	12	✓	413178	1.2191	694AG32012391	142	10	10	✓	407665	3.3000
689VG3212	97	12	12	✓	413185	1.3769	694AG321220	142	10	10	✓	407962	1.0622
689WG2201	117	12	12	✓	408327	0.8120	694AG321223	142	10	10	✓	407658	1.5406
689WG2211	117	12	12	✓	408334	1.0218	694CG33012091	169	10	10	✓	412171	2.6170
689WG2291	118	12	12	✓	408341	0.7496	694CG33012093	169	10	10	✓	412188	2.4860

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
694CG33012391	169	10	10	✓	412195	3.3021
694CG331220	169	10	10	✓	412317	2.1997
694CG36012094	169	10	10	✓	412201	2.9653
694CG361520	169	10	10	✓	412324	2.5516
694VG72032091	98	10	10	✓	408259	1.7440
694VG72032093	98	10	10	✓	410191	1.5702
694VG72032391	98	10	10	✓	409058	2.2243
694VG727820	98	10	10	✓	410108	2.4202
694VG727823	98	10	10	✓	408303	2.8987
694WG71022091	118	10	10	✓	410245	1.8186
694WG71022093	118	10	10	✓	413239	1.6448
694WG71022391	118	10	10	✓	410276	2.2989
694WG717720	118	10	10	✓	413222	2.5803
694WG717723	118	10	10	✓	410252	3.0587
694XG32012091	65	10	10	✓	406675	2.7754
694XG32012093	65	10	10	✓	413079	2.7000
694XG32012391	65	10	10	✓	413055	3.2364
694XG322120	65	10	10	✓	413062	2.3152
694XG322123	65	10	10	✓	413031	2.7713
695-01	234	1	24	✓	109002	1.3595
695-2A	236	1	10		309280	0.3694
695-2P	236	1	10		309297	0.4654
695-3A	236	1	10		309303	0.7254
695-3P	236	1	10		309310	0.8730
695-4A	236	1	10		309327	0.9508
695-4P	236	1	10		309334	1.3308
695-D20	235	1	16		109019	0.6540
695-D30	235	1	16		109026	0.7493
695-D40	235	1	16		109033	0.4628
695-D432	235	1	16		109040	0.4628
695-D432F	235	1	10		105042	0.8392
695-D4325	235	1	16		109057	0.4628
695-ER05	237	1	1		412577	9.7800
695-ER10	237	1	1		412584	11.5600
695-ER15	237	1	1		412591	16.3400
695-ER20	237	1	1		412607	17.6200
695-ER30	237	1	1		412614	19.1800
695-ES01	238	1	1		412676	3.0000
695-ES05	237	1	1		412621	7.2300
695-ES10	237	1	1		412638	8.7600
695-ES15	237	1	1		412645	9.5400
695-ES20	237	1	1		412652	10.8200
695-ES30	237	1	1		412669	12.3800
695-Y52	235	1	10		109064	0.4941
696-1	254	10	10		109071	0.4322
696-1000AF	245	10	10	✓	109088	1.2489
696-1000AR	245	10	10	✓	109095	1.2026
696-1000CF	245	10	10	✓	109101	1.2000
696-1000CFS	245	10	10	✓	110336	1.1413
696-1000CR	245	10	10	✓	109118	1.0582
696-1000MF	245	10	10	✓	109149	1.2000
696-1000MFPK4	245	5	5	✓	109743	1.2000
696-1000MFS	245	10	10	✓	110343	1.6645
696-1000MR	245	10	10	✓	109156	0.9184
696-1000VF	245	10	10	✓	154200	1.3073
696-1000WF	245	10	10	✓	109163	1.3000
696-1000WR	245	10	10	✓	109170	1.1442
696-1000XF	245	10	10	✓	109187	1.1670
696-1000XFS	245	10	10	✓	110350	1.4713
696-1000XR	245	10	10	✓	109194	1.1000
696-1001AF	248	10	10	✓	153432	1.3132
696-1001CF	248	10	10	✓	110008	1.2295
696-1001MF	248	10	10	✓	110015	1.3132
696-1001WF	248	10	10	✓	110022	1.2941
696-1001XF	248	10	10	✓	110039	1.2956
696-1010AF	246	10	10	✓	109200	1.4972
696-1010AR	246	10	10	✓	109217	0.9192
696-1010CF	246	10	10	✓	109224	1.3550
696-1010CFS	246	10	10	✓	110367	1.4717
696-1010CR	246	10	10	✓	109231	1.2743
696-1010CR26	246	10	10	✓	109903	1.0083
696-1010MF	246	10	10	✓	109262	1.4032
696-1010MFPK4	246	5	5	✓	154132	1.1768
696-1010MFS	246	10	10	✓	110374	1.4717

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
696-1010MR	246	10	10	✓	109279	1.3184
696-1010MR26	246	10	10	✓	109910	1.3184
696-1010VF	246	10	10	✓	154170	1.5080
696-1010WF	246	10	10	✓	109286	1.3920
696-1010WR	246	10	10	✓	109293	1.3625
696-1010XF	246	10	10	✓	109309	1.3042
696-1010XFS	246	10	10	✓	110381	1.4717
696-1010XR	246	10	10	✓	109316	1.3129
696-1010XR26	246	10	10	✓	109927	1.3129
696-1011AF	248	10	10	✓	153449	1.4838
696-1011CF	248	10	10	✓	110046	1.3580
696-1011MF	248	10	10	✓	110053	1.4838
696-1011WF	248	10	10	✓	110060	1.5014
696-1011XF	248	10	10	✓	110077	1.4264
696-1020GF	252	6	6	✓	154354	1.6133
696-1021GF	252	6	6	✓	154361	1.6133
696-1031GF	252	6	6	✓	154378	2.0762
696-11A	255	1	6	✓	100665	0.8133
696-11P	255	1	6	✓	100672	0.9167
696-12A	255	1	6	✓	100689	0.8167
696-12P	255	1	6	✓	100696	0.8750
696-1F	254	10	10		109323	0.1418
696-2	254	10	10		109330	0.4211
696-2001AF	247	10	10	✓	154125	1.9002
696-2001CF	247	10	10	✓	153555	1.7349
696-2001CR	247	10	10	✓	153777	1.5576
696-2001MF	247	10	10	✓	153562	1.8442
696-2001MR	247	10	10	✓	153784	1.7295
696-2001WF	247	10	10	✓	153579	1.9029
696-2001XF	247	10	10	✓	153586	1.8210
696-2001XR	247	10	10	✓	153807	1.7499
696-2011CF	247	10	10	✓	153593	2.0704
696-2011MF	247	10	10	✓	153609	2.2866
696-2011WF	247	10	10	✓	153616	2.3160
696-2011XF	247	10	10	✓	153623	2.2138
696-2303AF	243	10	10	✓	109347	2.5628
696-2303AR	243	10	10	✓	109354	1.7262
696-2303CF	243	10	10	✓	109361	2.2160
696-2303CFPK4	243	4	4	✓	153999	2.8148
696-2303CR	243	10	10	✓	109378	2.0660
696-2303MF	243	10	10	✓	109408	2.4140
696-2303MFPK4	243	4	4	✓	109736	2.9250
696-2303MR	243	10	10	✓	109415	1.7263
696-2303VF	243	10	10	✓	154187	2.6241
696-2303WF	243	10	10	✓	109422	2.5000
696-2303WR	243	10	10	✓	109439	2.2891
696-2303XF	243	10	10	✓	109446	2.4080
696-2303XFPK4	243	4	4	✓	153982	2.9661
696-2303XR	243	10	10	✓	109453	2.2758
696-2313AF	244	10	10	✓	109460	2.9080
696-2313AR	244	10	10	✓	109477	1.7597
696-2313CF	244	10	10	✓	109484	2.6600
696-2313CFPK4	244	4	4	✓	153968	2.8047
696-2313CR	244	10	10	✓	109491	2.4985
696-2313CR26	244	10	10	✓	109934	2.4985
696-2313MF	244	10	10	✓	109521	2.7840
696-2313MFPK4	244	4	4	✓	153951	3.3789
696-2313MR	244	10	10	✓	109538	2.6624
696-2313MR26	244	10	10	✓	109941	2.6624
696-2313VF	244	10	10	✓	154194	3.4542
696-2313WF	244	10	10	✓	109545	2.8000
696-2313WR	244	10	10	✓	109552	2.7624
696-2313XF	244	10	10	✓	109569	2.7900
696-2313XFPK4	244	4	4	✓	153975	3.3554
696-2313XR	244	10	10	✓	109576	2.6504
696-2313XR26	244	10	10	✓	109958	2.6504
696-2323MF	243	10	10	✓	110213	3.3033
696-2403CF	253	10	10		410917	1.7000
696-2403MF	253	10	10		100856	1.8849
696-2403WF	253	10	10		100870	1.8355
696-2403XF	253	10	10		410924	1.9400
696-2413CF	253	10	10		410634	1.7000
696-2413MF	253	10	10		101099	1.7128
696-2413WF	253	10	10		101105	1.7393

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
696-2413XF	253	10	10		410641	1.9400	696-PN	256	50	50		109798	0.0092
696-2F	254	10	10		109583	0.2495	696-SC	254	10	10		153487	0.0926
696-3	254	10	10		109590	0.4529	696-SC1	254	10	10		101044	0.0775
696-3F	254	10	10		109132	0.5534	696R1000AF	250	10	10	✓	106810	1.4894
696-5	254	10	10		154415	0.4142	696R1000CF	250	10	10	✓	110091	1.1869
696-6	254	10	10		154422	0.4082	696R1000MF	250	10	10	✓	110114	1.1869
696-7	254	10	10		154439	0.4042	696R1000VF	250	10	10	✓	100849	1.1869
696-BC	254	10	10		109606	0.2785	696R1000WF	250	10	10	✓	110121	1.1869
696-C0	256	10	10		154248	0.0175	696R1000XF	250	10	10	✓	110138	1.1869
696-C1	256	10	10		154255	0.0419	696R1001AF	252	10	10	✓	410900	1.4997
696-C3	256	10	10		154262	0.1574	696R1001CF	252	10	10	✓	106322	1.3946
696-CF	255	10	10	✓	109972	0.1882	696R1001MF	252	10	10	✓	154279	1.3946
696-EX	254	10	10		110312	0.0987	696R1001XF	252	10	10	✓	154293	1.3946
696-G1000CF	245	10	10	✓	100009	1.2000	696R1010AF	251	10	10	✓	100733	1.6639
696-G1000CR	245	10	10	✓	412409	1.1300	696R1010CF	251	10	10	✓	110152	1.3636
696-G1000MF	245	10	10	✓	100016	1.2000	696R1010MF	251	10	10	✓	110329	1.6300
696-G1000MFPK4	245	5	5	✓	137128	1.2000	696R1010VF	251	10	10	✓	700018	1.5080
696-G1000MR	245	10	10	✓	412416	1.2001	696R1010WF	251	10	10	✓	110176	1.1873
696-G1000WF	245	10	10	✓	100023	1.3000	696R1010XF	251	10	10	✓	110183	1.1873
696-G1000XF	245	10	10	✓	100030	1.1670	696R1020GF	252	10	10	✓	154385	1.4511
696-G1000XR	245	10	10	✓	412423	1.1560	696R1021GF	252	10	10	✓	154392	1.8168
696-G1001CF	248	10	10	✓	100047	1.2295	696R1031GF	252	10	10	✓	154408	2.1842
696-G1001MF	248	10	10	✓	100054	1.3132	696R2001AF	251	10	10	✓	410894	2.0974
696-G1001WF	248	10	10	✓	100061	1.2941	696R2001CF	251	10	10	✓	106339	1.8717
696-G1001XF	248	10	10	✓	100078	1.2956	696R2001MF	251	10	10	✓	154286	1.8717
696-G1010CF	246	10	10	✓	100085	1.3550	696R2001WF	251	10	10	✓	154163	1.9591
696-G1010CR	246	10	10	✓	700094	1.3120	696R2001XF	251	10	10	✓	154309	1.8717
696-G1010MF	246	10	10	✓	100092	1.4032	696R2011CF	251	10	10	✓	154149	2.0252
696-G1010MFPK4	246	5	5	✓	100108	1.1768	696R2303AF	249	10	10	✓	100726	2.9023
696-G1010MR	246	10	10	✓	412331	1.3184	696R2303CF	249	10	10	✓	110206	2.2147
696-G1010WF	246	10	10	✓	100115	1.3920	696R2303MF	249	10	10	✓	110220	2.8750
696-G1010XF	246	10	10	✓	100122	1.3042	696R2303WF	249	10	10	✓	110237	2.2147
696-G1010XFPK4	246	5	5	✓	100863	1.7130	696R2303XF	249	10	10	✓	110244	2.8375
696-G1010XR	246	10	10	✓	412430	1.3974	696R2313AF	250	10	10	✓	110251	2.2476
696-G1011CF	248	10	10	✓	100139	1.3580	696R2313CF	250	10	10	✓	110268	2.8233
696-G1011MF	248	10	10	✓	100146	1.4838	696R2313MF	250	10	10	✓	110282	3.1837
696-G1011WF	248	10	10	✓	100153	1.5014	696R2313VF	250	10	10	✓	700001	3.4542
696-G1011XF	248	10	10	✓	100160	1.4264	696R2313WF	250	10	10	✓	110299	3.2558
696-G2001CF	247	10	10	✓	100177	1.7349	696R2313XF	250	10	10	✓	110305	3.2058
696-G2001MF	247	10	10	✓	100184	1.8442	696R3	254	10	10		153500	0.9906
696-G2001WF	247	10	10	✓	100191	1.8230	696RG1000CF	250	10	10	✓	100399	1.1869
696-G2001XF	247	10	10	✓	100207	1.8210	696RG1000MF	250	10	10	✓	100405	1.1869
696-G2011CF	247	10	10	✓	100214	2.0704	696RG1000WF	250	10	10	✓	100412	1.3760
696-G2011MF	247	10	10	✓	100221	2.2866	696RG1000XF	250	10	10	✓	100429	1.1869
696-G2011WF	247	10	10	✓	100238	2.3160	696RG1001CF	252	10	10	✓	100436	1.3946
696-G2011XF	247	10	10	✓	100245	2.2138	696RG1001MF	252	10	10	✓	100443	1.3946
696-G2303CF	243	10	10	✓	100252	2.2160	696RG1001XF	252	10	10	✓	100450	1.3946
696-G2303CFPK4	243	4	4	✓	100269	2.8148	696RG1010CF	251	10	10	✓	100467	1.3636
696-G2303MF	243	10	10	✓	100276	2.4140	696RG1010MF	251	10	10	✓	100474	1.1873
696-G2303MFPK4	243	4	4	✓	100283	2.9250	696RG1010VF	251	10	10	✓	100481	1.1873
696-G2303WF	243	10	10	✓	100290	2.5000	696RG1010XF	251	10	10	✓	100498	1.1873
696-G2303XF	243	10	10	✓	100306	2.4080	696RG2001CF	251	10	10	✓	100528	1.8717
696-G2303XFPK4	243	4	4	✓	100313	2.9661	696RG2001MF	251	10	10	✓	100535	1.8717
696-G2313CF	244	10	10	✓	100320	2.6600	696RG2001WF	251	10	10	✓	100542	1.9591
696-G2313CFPK4	244	4	4	✓	100337	2.8047	696RG2001XF	251	10	10	✓	100559	1.8717
696-G2313CR	244	10	10	✓	700100	2.5480	696RG2303CF	249	10	10	✓	100566	2.2147
696-G2313MF	244	10	10	✓	100344	2.7840	696RG2303MF	249	10	10	✓	100573	2.8750
696-G2313MFPK4	244	4	4	✓	100351	3.3789	696RG2303WF	249	10	10	✓	100580	2.2147
696-G2313WF	244	10	10	✓	100368	2.8000	696RG2303XF	249	10	10	✓	100597	2.8375
696-G2313XF	244	10	10	✓	100375	2.7900	696RG2313CF	250	10	10	✓	100603	2.8233
696-G2313XFPK4	244	4	4	✓	100382	3.3554	696RG2313MF	250	10	10	✓	100610	3.1837
696-GLVCO	257	10	10		100795	0.7245	696RG2313WF	250	10	10	✓	100627	3.2558
696-GLVCOW	257	10	10		100801	0.7150	696RG2313XF	250	10	10	✓	100634	3.2058
696-GLVH1	257	10	10		100771	0.7017	697-2003CF	256	10	10		100900	2.3414
696-GLVH1C	257	10	10		100764	0.6520	697-2003MF	256	10	10		410993	2.5290
696-GLVH1W	257	10	10		700025	0.7210	697-2003WF	256	10	10		411013	2.4370
696-GLVH2	257	10	10		100788	0.7017	697-2003XF	256	10	10		411006	2.4150
696-GLVH2C	257	10	10		700032	0.6450	697-2013CF	256	10	10		100917	1.9165
696-GLVH2W	257	10	10		700049	0.7150	697-2013MF	256	10	10		411020	2.9050
696-LC	254	10	10		153470	0.0951	697-2013WF	256	10	10		411044	2.9220
696-LVH1	257	10	10		700056	0.6895	697-2013XF	256	10	10		411037	2.8250
696-LVH1W	257	10	10		700063	0.7149	697-G1000CF	256	10	10		101112	1.9162
696-LVH2	257	10	10		700070	0.6895	697-G1000MF	256	10	10		411051	1.9980
696-LVH2W	257	10	10		700087	0.7247	697-G1000WF	256	10	10		411075	1.9460

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
697-G1000XF	256	10	10		411068	0.7949	821-280A	367	20	20	✓	352378	1.1264
697-G1010CF	256	10	10		101129	1.9162	821-280P	367	20	20	✓	300300	1.2191
697-G1010MF	256	10	10		411082	2.1880	821-2A	367	20	20	✓	300416	1.0033
697-G1010WF	256	10	10		411105	2.1780	821-2ACP	369	1	5	✓	300331	1.6870
697-G1010XF	256	10	10		411099	2.1390	821-2APK	367	8	8	✓	378323	1.0525
697-G2001CF	256	10	10		100511	2.3780	821-2AQC	369	1	5	✓	381200	1.9300
697-G2001MF	256	10	10		100818	2.4458	821-2AQRB	369	1	5	✓	309617	1.8420
697-G2001WF	256	10	10		100825	2.5416	821-2ARB	369	1	5	✓	309624	1.6790
697-G2001XF	256	10	10		100832	2.4400	821-2IFS	371	4	4	✓	375223	4.0500
697-G2011CF	256	10	10		100924	2.3529	821-2INS	371	1	4	✓	378309	4.5048
697-G2011MF	256	10	10		100931	2.5096	821-2P	367	20	20	✓	300355	1.2787
697-G2011WF	256	10	10		100948	2.4940	821-2PCP	369	1	5	✓	300379	1.7490
697-G2011XF	256	10	10		100955	2.4239	821-2PPK	367	8	8	✓	378330	1.3073
800-A	376	12	12	✓	300102	2.1502	821-2PQC	369	1	5	✓	381194	2.0500
800-ABW	376	12	12	✓	300133	2.2107	821-2PQRB	369	1	5	✓	309631	1.9880
800-AIR	376	1	2	✓	375063	4.2985	821-2PRB	369	1	5	✓	309648	1.7670
800-ANQ	376	1	2	✓	375094	5.2478	821-2QARB	368	5	5	✓	313140	0.2923
800-ANR	376	1	2	✓	356208	4.9642	821-2QAS	368	5	5	✓	313010	0.3040
800-APK	376	3	3	✓	300102	2.3985	821-2QASN	368	5	5	✓	313027	0.3440
800-ASQ	376	1	2	✓	310118	5.2500	821-2RB	400	1	100	✓	300522	0.1753
800-ASR	376	1	2	✓	310125	3.7704	821-2S	400	1	100	✓	300393	0.2219
800-P	376	12	12	✓	300089	2.7111	821-2SCQ	400	1	10	✓	312730	0.9600
800-PBW	376	12	12	✓	300157	2.8021	821-2SCR	400	1	10	✓	312747	0.7100
800-PIR	376	1	2	✓	375087	4.8594	821-2SN	400	1	10	✓	351586	0.5264
800-PNQ	376	1	2	✓	375148	3.3687	821-2SNQ	400	1	10	✓	376503	1.2420
800-PNR	376	1	2	✓	306760	5.7168	821-2SNRPK1	400	6	6	✓	315427	0.8831
800-PPK	376	3	3	✓	300089	3.0578	821-2SP	400	1	100	✓	300409	0.2433
800-PSQ	376	1	2	✓	310132	5.2950	821-2SPK1	400	10	10	✓	300904	0.2490
800-PSR	376	1	2	✓	310149	4.1250	821-2SRB	400	1	10	✓	315434	0.5264
801-A	401	1	25	✓	300096	0.3290	821-2SRBQ	400	1	10	✓	373731	2.1381
801-A2	401	1	25	✓	380180	0.2293	821-2SRBRPK1	400	6	6	✓	315441	0.8833
801-A2PK	401	10	10	✓	380180	0.2224	821-2SS	400	1	10	✓	309921	0.4150
801-APK	401	10	10	✓	300348	0.3075	821-2SSQ	400	1	10	✓	309914	0.9619
801-DR2	359	1	10	✓	380173	1.5251	821-2SSR	400	1	10	✓	309907	0.7120
801-NQ2	359	1	10	✓	380166	2.4745	821-2SW	400	1	100	✓	300942	0.1629
801-NR2	359	1	10	✓	380197	1.3047	821-HCP	369	1	5	✓	351609	0.9195
801-P	401	1	25	✓	300126	0.3340	821-HPR	371	1	10	✓	379764	0.1252
801-P2	401	1	25	✓	380159	0.2293	821-HQCP	369	1	5	✓	308979	0.9195
801-P2PK	401	10	10	✓	380159	0.2224	821-HSQ	371	1	10	✓	379771	0.0876
801-PG2	401	1	25	✓	309273	0.2256	821-HSR	371	1	10	✓	379757	0.1126
801-PG2PK	401	10	10	✓	308917	0.2187	821-T200A	366	10	10	✓	380951	1.0637
801-PPK	401	10	10	✓	300324	0.3121	821-T200ACQ	366	1	5	✓	312433	2.0100
801-SQ2	359	1	10	✓	309204	2.3700	821-T200ACR	366	5	5	✓	312402	1.7500
801-SR2	359	1	10	✓	309198	1.1780	821-T200ANQ	366	1	5	✓	380968	2.3821
802-7	376	12	12	✓	300027	0.1261	821-T200ANR	366	5	5	✓	380975	1.8832
803-2PK2	394	12	12	✓	300058	0.2423	821-T200ARBQ	366	1	5	✓	380982	3.2613
803-3PK2	394	12	12	✓	300065	0.5934	821-T200ARBR	366	1	5	✓	380999	1.8650
803-4PK2	394	12	12	✓	300072	1.0860	821-T200ASQ	366	1	5	✓	310262	2.0050
821-200A	367	20	20	✓	300140	1.0113	821-T200ASR	366	5	5	✓	310279	1.7480
821-200ACQ	368	1	5	✓	312280	1.9600	821-T200P	366	10	10	✓	381002	1.3700
821-200ACR	368	5	5	✓	312273	1.7000	821-T200PCQ	366	1	5	✓	312440	2.1500
821-200ANQ	368	1	5	✓	356376	1.7308	821-T200PCR	366	5	5	✓	312457	1.9000
821-200ANR	368	5	5	✓	301932	1.5504	821-T200PNQ	366	5	5	✓	381019	2.3635
821-200APK	367	8	8	✓	301642	1.0838	821-T200PNR	366	5	5	✓	381026	1.8645
821-200ARBQ	368	1	5	✓	352316	1.7620	821-T200PRBQ	366	1	5	✓	381033	3.2427
821-200ARBR	368	1	5	✓	352323	1.5616	821-T200PRBR	366	1	5	✓	381040	1.6747
821-200ASQ	368	1	5	✓	307378	1.9600	821-T200PSQ	366	1	5	✓	310286	2.1500
821-200ASR	368	5	5	✓	307385	1.7000	821-T200PSR	366	5	5	✓	310293	1.8960
821-200P	367	20	20	✓	300171	1.2307	821-T2080A	366	20	20	✓	381057	1.1854
821-200PCQ	368	1	5	✓	312266	2.0900	821-T2080P	366	20	20	✓	381064	1.1621
821-200PCR	368	5	5	✓	312242	1.1800	821-T270A	366	10	10	✓	381071	0.9517
821-200PNQ	368	1	5	✓	301963	1.8750	821-T270P	366	10	10	✓	381088	1.3134
821-200PNR	368	5	5	✓	301925	1.7604	821-T2780A	366	10	10	✓	381095	1.3363
821-200PPK	367	8	8	✓	301604	1.2185	821-T2780P	366	10	10	✓	381101	1.3176
821-200PRBQ	368	1	5	✓	352330	1.9400	821-T280A	366	10	10	✓	381118	1.2408
821-200PRBR	368	1	5	✓	352347	1.7749	821-T280P	366	10	10	✓	381125	1.3019
821-200PSQ	368	1	5	✓	307392	2.0900	821-T2A	366	10	10	✓	381231	1.1910
821-200PSR	368	5	5	✓	307422	1.8500	821-T2ACP	366	5	5	✓	381132	1.8517
821-2080A	367	20	20	✓	300225	1.0636	821-T2AQC	366	5	5	✓	381149	1.9800
821-2080P	367	20	20	✓	300232	1.2435	821-T2AQRB	366	5	5	✓	309655	1.9940
821-270A	367	20	20	✓	351562	1.0864	821-T2ARB	366	5	5	✓	309662	1.7910
821-270P	367	20	20	✓	300249	1.2778	821-T2P	366	10	10	✓	381156	1.3200
821-2780A	367	1	10	✓	300256	1.1915	821-T2PCP	366	5	5	✓	381163	1.8331
821-2780P	367	1	10	✓	300263	1.3172	821-T2PQC	366	5	5	✓	381170	2.1400

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
821-T2PQRB	366	5	5	✓	309679	2.1120	822-CF4ANQ	347	1	1	✓	315588	4.8500
821-T2PRB	366	5	5	✓	309686	1.9300	822-CF4ANR	347	1	1	✓	315595	4.7900
821-TP	366	10	10	✓	381187	0.0229	822-CF4ASQ	347	1	1	✓	315601	4.8500
822-2AF	328	1	1		379146	1.7645	822-CF4ASR	347	1	1	✓	315618	4.7900
822-2ANQ	328	1	4		305640	3.7981	822-CF4PNQ	347	1	1	✓	315625	4.9000
822-2ANR	328	1	4		300621	3.0931	822-CF4PNR	347	1	1	✓	315632	4.8400
822-2AS	328	1	4		301413	2.2373	822-CF4PSQ	347	1	1	✓	315649	4.9000
822-2ASQ	328	1	4		307439	3.4531	822-CF4PSR	347	1	1	✓	315656	4.8400
822-2ASR	328	1	4		307446	2.8531	822-EX3	327	1	1		309792	2.0564
822-2DF	327	1	1		381361	7.0875	822-F2ANQ	328	1	1	✓	380272	4.1769
822-2DNQ	327	1	4		381330	7.9125	822-F2ANR	328	1	1	✓	380258	4.2321
822-2DNR	327	1	4		381316	6.9000	822-F2ASQ	328	1	1	✓	307576	4.1700
822-2DSQ	327	1	4		307453	7.6619	822-F2ASR	328	1	1	✓	307583	3.9921
822-2DSR	327	1	4		307460	7.0125	822-F2DNQ	327	1	1	✓	381392	11.1500
822-2PF	328	1	4		379139	2.4138	822-F2DNR	327	1	1	✓	381385	10.1500
822-2PNQ	328	1	4		301796	3.9051	822-F2DSQ	327	1	1	✓	307590	10.6256
822-2PNR	328	1	4		304070	3.2001	822-F2DSR	327	1	1	✓	307620	10.0256
822-2PS	328	1	4		304087	2.3443	822-F2PNQ	328	1	1	✓	380265	4.1769
822-2PSQ	328	1	4		307477	3.6750	822-F2PNR	328	1	1	✓	380241	3.5789
822-2PSR	328	1	4		307484	2.9601	822-F2PSQ	328	1	1	✓	307637	3.9389
822-3AF	328	1	1		379153	2.3048	822-F2PSR	328	1	1	✓	307644	2.5365
822-3ANQ	328	1	4		304865	3.7961	822-F3ANQ	328	1	1	✓	380333	4.1749
822-3ANR	328	1	4		304896	3.0911	822-F3ANR	328	1	1	✓	380319	4.2301
822-3AS	328	1	4		304926	2.2353	822-F3ASQ	328	1	1	✓	307651	4.1700
822-3ASQ	328	1	4		307491	3.4511	822-F3ASR	328	1	1	✓	307668	3.9901
822-3ASR	328	1	4		307521	2.9000	822-F3DNQ	327	1	1	✓	381415	10.8000
822-3DF	327	1	1		381378	6.8250	822-F3DNR	327	1	1	✓	381408	10.2000
822-3DNQ	327	1	4		381323	7.7500	822-F3DSQ	327	1	1	✓	307675	10.3816
822-3DNR	327	1	4		381347	7.0375	822-F3DSR	327	1	1	✓	307682	10.0400
822-3DSQ	327	1	4		307538	7.4179	822-F3PNQ	328	1	1	✓	380326	4.2789
822-3DSR	327	1	4		307545	6.9500	822-F3PNR	328	1	1	✓	380302	4.3341
822-3PF	328	1	4		379160	2.4191	822-F3PSQ	328	1	1	✓	307699	4.2600
822-3PNQ	328	1	4		304957	3.9001	822-F3PSR	328	1	1	✓	307705	4.0941
822-3PNR	328	1	4		305152	2.9916	822-TB	328	1	1		379573	0.1096
822-3PS	328	1	4		305442	2.3393	823-24PSP	370	1	1	✓	314789	8.7900
822-3PSQ	328	1	4		307552	3.6750	823-24PSS	370	1	1	✓	314796	8.8050
822-3PSR	328	1	4		307569	3.0375	823-32PSP	370	1	1	✓	314802	11.8850
822-C3AF	347	1	4	✓	315403	2.6600	823-32PSS	370	1	1	✓	314819	11.6850
822-C3ANQ	347	1	4	✓	315182	4.9300	823-40PSP	370	1	1	✓	314826	14.5850
822-C3ANR	347	1	1	✓	379993	4.6262	823-40PSS	370	1	1	✓	314833	14.4950
822-C3ASQ	347	1	4	✓	315199	4.9300	823-60PSP	370	1	1	✓	314840	22.4100
822-C3ASR	347	1	4	✓	315205	3.7100	823-60PSS	370	1	1	✓	314529	21.8300
822-C3DF	346	1	1	✓	315663	7.1900	823-FK24	370	1	1	✓	202161	N/A
822-C3DNQ	346	1	4	✓	315335	8.2900	823-FK32	370	1	1	✓	202222	N/A
822-C3DNR	346	1	4	✓	315298	7.5700	823-FK40	370	1	1	✓	202253	N/A
822-C3DSQ	346	1	4	✓	315373	8.2900	823-FK60	370	1	1	✓	202260	N/A
822-C3DSR	346	1	4	✓	315342	7.5700	825-10A	371	20	20	✓	356246	0.5723
822-C3PF	347	1	4	✓	315458	2.7500	825-10P	371	20	20	✓	356253	0.7013
822-C3PNQ	347	1	1	✓	312082	5.0200	825-17A	372	20	20	✓	356260	0.5826
822-C3PNR	347	1	1	✓	379931	3.7188	825-17P	372	20	20	✓	356277	0.6939
822-C3PSQ	347	1	4	✓	315212	5.0200	825-1A	371	20	20	✓	356284	0.5875
822-C3PSR	347	1	4	✓	315229	3.8400	825-1P	371	20	20	✓	356291	0.6989
822-C4AF	347	1	4	✓	315465	2.7000	825-20A	371	20	20	✓	300423	0.4143
822-C4ANQ	347	1	4	✓	315236	4.9700	825-20P	371	20	20	✓	300430	0.5875
822-C4ANR	347	1	1	✓	377487	3.9960	825-27A	372	20	20	✓	300447	0.5173
822-C4ASQ	347	1	4	✓	315243	4.9700	825-27P	372	20	20	✓	300454	0.5775
822-C4ASR	347	1	4	✓	315250	3.7500	825-2A	371	20	20	✓	300478	0.5215
822-C4PF	347	1	4	✓	315472	2.7900	825-2AFS	372	10	10	✓	301574	0.7066
822-C4PNQ	347	1	4	✓	315267	5.0600	825-2APK	371	12	12	✓	301543	0.6051
822-C4PNR	347	1	1	✓	379344	4.1000	825-2P	371	20	20	✓	300492	0.5833
822-C4PSQ	347	1	4	✓	315274	5.0600	825-2PPK	371	12	12	✓	301505	0.5913
822-C4PSR	347	1	4	✓	315281	3.8400	825-2SN	400	1	100	✓	306159	0.1642
822-CF3ANQ	347	1	1	✓	315519	4.7700	826-2A	372	1	20	✓	301826	0.5193
822-CF3ANR	347	1	1	✓	315526	4.7100	826-2P	374	1	20	✓	352231	0.5888
822-CF3ASQ	347	1	1	✓	315533	4.7700	826-2PPK	374	10	10	✓	301802	0.6226
822-CF3ASR	347	1	1	✓	315540	4.7100	826-2S	400	1	100	✓	301840	0.1904
822-CF3DNQ	346	1	1	✓	315717	11.3400	826-2SP	400	1	100	✓	301864	0.2304
822-CF3DNR	346	1	1	✓	314505	10.7400	827-2B	373	1	10	✓	301765	1.5957
822-CF3DSQ	346	1	1	✓	314857	11.1910	827-2BG	373	10	100	✓	300577	0.0758
822-CF3DSR	346	1	1	✓	313546	10.5866	827-2J	373	1	6	✓	302045	2.2107
822-CF3PNQ	347	1	1	✓	315557	4.8200	827-2RB	400	1	100	✓	374387	0.1554
822-CF3PNR	347	1	1	✓	313485	5.1335	827-2RBP1	400	6	6	✓	315366	0.2183
822-CF3PSQ	347	1	1	✓	315564	4.8200	827-2S	400	1	100	✓	300645	0.1482
822-CF3PSR	347	1	1	✓	315571	4.8700							

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
827-2SN	400	1	100	✓	356451	0.1562
827-2SNPK1	400	6	6	✓	315380	0.2667
827-2SP	400	1	100	✓	300652	0.1726
827-2SPK1	400	10	10	✓	301741	0.2040
827-2SPPK1	400	10	10	✓	301758	0.1990
827-2SWPK1	400	6	6	✓	315410	0.2751
828-2	373	1	20		300676	0.6066
828-2PK	373	10	10	✓	301710	0.6346
829-S2	374	1	20	✓	300713	0.6506
832-25AF	291	1	10	✓	305459	1.2149
832-25ANQ	291	1	1	✓	305466	4.0067
832-25ANR	291	1	1	✓	305473	3.2705
832-25ASQ	291	1	1	✓	307712	3.6617
832-25ASR	291	1	1	✓	307729	3.0000
832-25DF	286	1	1	✓	381446	5.9950
832-25DNQ	286	1	1	✓	381484	9.9500
832-25DNR	286	1	1	✓	381460	9.1500
832-25DSQ	286	1	1	✓	307736	9.6662
832-25DSR	286	1	1	✓	307743	8.9000
832-25PF	291	1	10	✓	306173	1.3700
832-25PNQ	291	1	1	✓	306180	3.5073
832-25PNR	291	1	1	✓	306197	2.7711
832-25PSQ	291	1	1	✓	307750	3.1623
832-25PSR	291	1	1	✓	307767	3.1500
832-2AF	290	1	10	✓	377425	1.7364
832-2ANQ	290	1	1	✓	377418	5.0910
832-2ANR	290	1	1	✓	377395	3.9370
832-2ASQ	290	1	1	✓	307774	4.9099
832-2ASR	290	1	1	✓	307781	3.7000
832-2PF	290	1	10	✓	376565	2.0409
832-2PNQ	290	1	1	✓	377401	5.3261
832-2PNR	290	1	1	✓	376510	4.4345
832-2PSQ	290	1	1	✓	307798	5.2000
832-2PSR	290	1	1	✓	307804	4.0000
832-35AF	291	1	10	✓	306210	1.2129
832-35ANQ	291	1	1	✓	306227	4.0047
832-35ANR	291	1	1	✓	306234	3.2685
832-35ASQ	291	1	1	✓	307811	3.6597
832-35ASR	291	1	1	✓	307828	3.0285
832-35DF	286	1	1	✓	381453	6.3735
832-35DNQ	286	1	1	✓	381491	10.0500
832-35DNR	286	1	1	✓	381477	9.4000
832-35DSQ	286	1	1	✓	307835	10.0500
832-35DSR	286	1	1	✓	307842	8.6500
832-35PF	291	1	10	✓	306241	1.3413
832-35PNQ	291	1	1	✓	306258	4.1087
832-35PNR	291	1	1	✓	306272	3.3725
832-35PSQ	291	1	1	✓	307859	3.7637
832-35PSR	291	1	1	✓	307866	3.3700
832-36AF	290	1	10	✓	374677	1.4364
832-36ANQ	290	1	1	✓	374806	4.8811
832-36ANR	290	1	1	✓	374721	3.8814
832-36ASQ	290	1	1	✓	381583	4.6099
832-36ASR	290	1	1	✓	381590	3.3800
832-36PF	290	1	10	✓	374226	1.5898
832-36PNQ	290	1	1	✓	374530	5.0345
832-36PNR	290	1	1	✓	374462	3.5000
832-36PSQ	290	1	1	✓	381606	4.8000
832-36PSR	290	1	1	✓	381613	3.6500
832-3DF	285	1	10	✓	376046	6.6064
832-3DHNQ	286	1	1	✓	381514	3.6000
832-3DHNR	286	1	1	✓	381507	2.8500
832-3DHSQ	286	1	1	✓	381620	3.1918
832-3DHSR	286	1	1	✓	381637	2.7000
832-3DIR	285	1	1	✓	376053	10.3250
832-3DNQ	285	1	1	✓	376060	11.0378
832-3DNR	285	1	1	✓	376077	10.1486
832-3DSQ	285	1	1	✓	381781	11.0786
832-3DSR	285	1	1	✓	381798	9.9000
832-3HHD	286	1	10	✓	315793	0.8490
832-3HNQ	291	1	10	✓	306289	2.2000
832-3HNR	291	1	10	✓	306296	1.5212
832-3HSQ	291	1	1	✓	381644	2.0760
832-3HSR	291	1	1	✓	381651	1.5300

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
832-3SF	289	1	1	✓	381668	6.6100
832-3SSQ	289	1	1	✓	381675	11.0400
832-3SSR	289	1	1	✓	381682	10.1500
832-49DF	287	1	1	✓	310026	N/A
832-49DNR	287	1	1	✓	310033	N/A
832-49DSR	287	1	1	✓	310040	N/A
832-4AF	290	1	10	✓	374660	1.6212
832-4ANQ	290	1	1	✓	374820	5.0148
832-4ANR	290	1	1	✓	374745	4.0148
832-4ASQ	290	1	1	✓	381699	4.7436
832-4ASR	290	1	1	✓	381705	3.5500
832-4DF	285	1	10	✓	376084	6.7017
832-4DHHH	285	1	1	✓	315779	6.5614
832-4DHIR	285	1	10	✓	376091	3.3488
832-4DHNQ	285	1	10	✓	376107	4.2546
832-4DHNR	285	1	10	✓	376114	3.3738
832-4DHSR	285	1	1	✓	381729	3.0250
832-4DIR	285	1	1	✓	376121	10.2662
832-4DNQ	285	1	1	✓	376138	11.0158
832-4DNR	285	1	1	✓	376145	9.9208
832-4DSQ	285	1	1	✓	381804	10.9886
832-4DSR	285	1	1	✓	381811	9.8500
832-4HHD	285	1	10	✓	377609	0.9304
832-4HNQ	290	1	10	✓	374080	2.7186
832-4HNR	290	1	10	✓	373908	1.5555
832-4HSQ	290	1	1	✓	381736	2.9500
832-4HSR	290	1	1	✓	381743	1.7140
832-4PF	290	1	10	✓	374363	1.7776
832-4PNQ	290	1	1	✓	374547	5.1712
832-4PNR	290	1	1	✓	374400	4.1712
832-4PSQ	290	1	1	✓	381750	4.9000
832-4PSR	290	1	1	✓	381767	3.7500
832-4SF	289	1	1	✓	381774	6.6100
832-4SHSQ	289	1	1	✓	381828	4.1170
832-4SHSR	289	1	1	✓	381835	3.8780
832-4SSQ	289	1	1	✓	381842	11.0400
832-4SSR	289	1	1	✓	381859	10.1500
832-63DF	288	1	1	✓	306319	7.2966
832-63DIR	288	1	1	✓	306333	10.5602
832-63DNQ	288	1	1	✓	306340	11.5096
832-63DNR	288	1	1	✓	306357	10.3648
832-63DSQ	288	1	1	✓	381866	11.3286
832-63DSR	288	1	1	✓	381873	11.0896
832-64DF	288	1	1	✓	306371	9.0259
832-64DIR	288	1	1	✓	306395	12.2620
832-64DNQ	288	1	1	✓	306418	13.2390
832-64DNR	288	1	1	✓	306432	12.0941
832-64DSQ	288	1	1	✓	381880	13.0580
832-64DSR	288	1	1	✓	381897	11.9300
832-6DF	287	1	1	✓	310057	N/A
832-6DHNR	287	1	1	✓	310064	N/A
832-6DHSR	287	1	1	✓	310071	N/A
832-6DNR	287	1	1	✓	310088	N/A
832-6DSR	287	1	1	✓	310095	N/A
832-EX4	285	1	1	✓	374943	0.0322
832-S3	286	1	10	✓	374318	0.0868
832-S4	285	1	10	✓	373823	0.0980
832-UM	285	1	1	✓	356505	0.1599
832-W	285	1	10	✓	303349	0.0896
833-225DF	314	1	1	✓	381903	12.5500
833-225DNQ	314	1	1	✓	381910	16.2751
833-225DNR	314	1	1	✓	381927	15.4000
833-225DSQ	314	1	1	✓	381934	15.9301
833-225DSR	314	1	1	✓	381941	15.0400
833-225F	318	1	1	✓	381958	8.5300
833-225NQ	318	1	1	✓	381965	11.0420
833-225NR	318	1	1	✓	381972	10.3370
833-225SQ	318	1	1	✓	381989	10.6974
833-225SR	318	1	1	✓	381996	10.0974
833-22DF	313	1	1	✓	376152	12.7380
833-22DIR	313	1	1	✓	376169	15.7778
833-22DNQ	313	1	1	✓	376176	16.9359
833-22DNR	313	1	1	✓	376183	15.7631

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
833-22DSQ	313	1	1	✓	382009	16.7700	833-3PF	321	1	10	✓	373878	2.5721
833-22DSR	313	1	1	✓	382016	16.5310	833-3PNQ	321	1	1	✓	375070	5.5997
833-22F	317	1	1	✓	374851	8.2898	833-3PNR	321	1	1	✓	374233	4.3586
833-22NQ	317	1	1	✓	374868	11.8594	833-3PSQ	321	1	1	✓	382481	5.7938
833-22NR	317	1	1	✓	374875	10.8594	833-3PSR	321	1	1	✓	382498	4.5000
833-22SQ	317	1	1	✓	382023	11.5946	833-4AF	321	1	10	✓	375162	5.0604
833-22SR	317	1	1	✓	382030	10.5752	833-4ANQ	321	1	1	✓	375179	7.2236
833-235DF	314	1	1	✓	382047	11.9000	833-4ANR	321	1	1	✓	375186	6.2236
833-235DNQ	314	1	1	✓	382054	14.5241	833-4ASQ	321	1	1	✓	382504	5.6588
833-235DNR	314	1	1	✓	382061	14.3000	833-4ASR	321	1	1	✓	382511	4.6330
833-235DSQ	314	1	1	✓	382078	14.1791	833-4PF	321	1	10	✓	374356	3.7790
833-235DSR	314	1	1	✓	382085	14.7100	833-4PNQ	321	1	1	✓	375483	7.3486
833-235F	318	1	1	✓	382092	6.9946	833-4PNR	321	1	1	✓	374240	6.3486
833-235NQ	318	1	1	✓	382108	9.2910	833-4PSQ	321	1	1	✓	382528	5.7941
833-235NR	318	1	1	✓	382115	8.5860	833-4PSR	321	1	1	✓	382535	4.6000
833-235SQ	318	1	1	✓	382122	8.9464	833-625DF	316	1	1	✓	382542	11.2566
833-235SR	318	1	1	✓	382139	9.1300	833-625DNQ	316	1	1	✓	382559	14.7941
833-23DF	313	1	1	✓	376190	10.9870	833-625DNR	316	1	1	✓	382566	14.0891
833-23DIR	313	1	1	✓	376206	15.2927	833-625DSQ	316	1	1	✓	382573	14.4491
833-23DNQ	313	1	1	✓	376213	16.0864	833-625DSR	316	1	1	✓	382580	13.8491
833-23DNR	313	1	1	✓	376220	15.0649	833-625F	320	1	1	✓	382597	7.2646
833-23DSQ	313	1	1	✓	382146	15.0190	833-625NQ	320	1	1	✓	382603	9.5610
833-23DSR	313	1	1	✓	382153	14.8500	833-625NR	320	1	1	✓	382610	8.8560
833-23F	317	1	1	✓	374905	7.1238	833-625SQ	320	1	1	✓	382627	9.2164
833-23NQ	317	1	1	✓	374912	10.1084	833-625SR	320	1	1	✓	382634	8.6164
833-23NR	317	1	1	✓	374929	9.1084	833-62DF	315	1	1	✓	376275	10.6920
833-23SQ	317	1	1	✓	382160	9.8436	833-62DIR	315	1	1	✓	376282	14.5220
833-23SR	317	1	1	✓	382177	9.5700	833-62DNQ	315	1	1	✓	376299	14.5220
833-24DF	313	1	1	✓	376237	11.9711	833-62DNR	315	1	1	✓	376305	14.3100
833-24DIR	313	1	1	✓	376244	15.3883	833-62DSQ	315	1	1	✓	382641	15.2890
833-24DNQ	313	1	1	✓	376251	16.6523	833-62DSR	315	1	1	✓	382658	15.0500
833-24DNR	313	1	1	✓	376268	14.8151	833-62F	319	1	1	✓	375230	6.8088
833-24DSQ	313	1	1	✓	382184	16.5190	833-62NQ	319	1	1	✓	375247	10.3784
833-24DSR	313	1	1	✓	382191	16.2800	833-62NR	319	1	1	✓	375261	10.9505
833-24F	317	1	1	✓	373885	8.0388	833-62SQ	319	1	1	✓	382665	10.1136
833-24NQ	317	1	1	✓	374950	11.6084	833-62SR	319	1	1	✓	382672	9.0878
833-24NR	317	1	1	✓	374974	10.6084	833-635DF	316	1	1	✓	382689	12.8266
833-24SQ	317	1	1	✓	382207	11.3436	833-635DNQ	316	1	1	✓	304186	16.3641
833-24SR	317	1	1	✓	382214	10.3242	833-635DNR	316	1	1	✓	304414	15.3150
833-25AF	322	1	1	✓	382221	2.2060	833-635DSQ	316	1	1	✓	304438	16.0191
833-25ANQ	322	1	1	✓	382238	4.8920	833-635DSR	316	1	1	✓	305206	14.9500
833-25ANR	322	1	1	✓	382245	4.1870	833-635F	320	1	1	✓	305589	8.8346
833-25ASQ	322	1	1	✓	382252	4.5466	833-635NQ	320	1	1	✓	305596	11.1310
833-25ASR	322	1	1	✓	382269	3.8200	833-635NR	320	1	1	✓	305657	10.4260
833-25PF	322	1	1	✓	382276	2.4910	833-635SQ	320	1	1	✓	305725	11.1300
833-25PNQ	322	1	1	✓	382283	5.1770	833-635SR	320	1	1	✓	306647	10.1864
833-25PNR	322	1	1	✓	382290	4.4720	833-63DF	315	1	1	✓	376312	12.2620
833-25PSQ	322	1	1	✓	382306	4.8316	833-63DIR	315	1	1	✓	376329	16.0920
833-25PSR	322	1	1	✓	382313	4.2316	833-63DNQ	315	1	1	✓	376336	16.8433
833-2AF	321	1	1	✓	375001	2.3317	833-63DNR	315	1	1	✓	376343	15.7410
833-2ANQ	321	1	1	✓	375018	7.0086	833-63DSQ	315	1	1	✓	306951	16.8590
833-2ANR	321	1	1	✓	375025	4.7270	833-63DSR	315	1	1	✓	306968	16.6200
833-2ASQ	321	1	1	✓	382320	5.4541	833-63F	319	1	1	✓	374264	8.3788
833-2ASR	321	1	1	✓	382337	4.2100	833-63NQ	319	1	1	✓	375254	11.9484
833-2PF	321	1	10	✓	374325	2.6168	833-63NR	319	1	1	✓	375285	11.1614
833-2PNQ	321	1	1	✓	375056	5.5850	833-63SQ	319	1	1	✓	306975	11.6836
833-2PNR	321	1	1	✓	365194	4.6500	833-63SR	319	1	1	✓	306982	10.6578
833-2PSQ	321	1	1	✓	382344	5.7392	833-64DF	315	1	1	✓	376350	12.9500
833-2PSR	321	1	1	✓	382351	4.7198	833-64DIR	315	1	1	✓	376367	16.3050
833-35AF	322	1	1	✓	382368	2.3710	833-64DNQ	315	1	1	✓	376374	16.7919
833-35ANQ	322	1	1	✓	382375	5.0570	833-64DNR	315	1	1	✓	376381	15.7924
833-35ANR	322	1	1	✓	382382	4.3520	833-64DSQ	315	1	1	✓	306999	17.0720
833-35ASQ	322	1	1	✓	382399	4.7116	833-64DSR	315	1	1	✓	307002	16.8330
833-35ASR	322	1	1	✓	382405	3.9000	833-64F	319	1	4	✓	374707	8.8693
833-35PF	322	1	1	✓	382412	2.5560	833-64NQ	319	1	1	✓	375315	12.1614
833-35PNQ	322	1	1	✓	382429	5.2420	833-64NR	319	1	1	✓	374370	11.1614
833-35PNR	322	1	1	✓	382436	4.5370	833-64SQ	319	1	1	✓	307019	11.8966
833-35PSQ	322	1	1	✓	382443	4.8966	833-64SR	319	1	1	✓	307026	10.8772
833-35PSR	322	1	1	✓	382450	4.2000	834-3AF	342	1	10	✓	374684	1.5872
833-3AF	321	1	1	✓	375100	2.3207	834-3ANQ	342	1	1	✓	375346	5.6573
833-3ANQ	321	1	1	✓	375117	7.1736	834-3ANR	342	1	1	✓	375353	4.2608
833-3ANR	321	1	1	✓	375124	6.1736	834-3ASQ	342	1	1	✓	307033	5.5700
833-3ASQ	321	1	1	✓	382467	5.6191	834-3ASR	342	1	1	✓	307040	4.6847
833-3ASR	321	1	1	✓	382474	4.3000	834-3ATR	342	1	1	✓	375377	3.3708

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
834-3DF	339	1	1	✓	376398	7.1696
834-3DHNQ	346	1	1	✓	315670	4.1400
834-3DHNR	346	1	1	✓	315687	3.3900
834-3DHSQ	346	1	1	✓	315694	4.1400
834-3DHSR	346	1	1	✓	315700	3.3900
834-3DIR	339	1	1	✓	376404	10.7071
834-3DNQ	339	1	1	✓	376411	12.8062
834-3DNR	339	1	1	✓	376428	11.1554
834-3DSQ	339	1	1	✓	307057	12.0314
834-3DSR	339	1	1	✓	307064	11.2272
834-3HNQ	347	1	1	✓	315489	2.7400
834-3HNR	347	1	1	✓	314727	2.1279
834-3HSQ	347	1	1	✓	315496	2.7400
834-3HSR	347	1	1	✓	315502	2.0600
834-3PF	342	1	10	✓	374219	1.6894
834-3PNQ	342	1	1	✓	374622	5.8107
834-3PNR	342	1	1	✓	374196	4.4151
834-3PSQ	342	1	1	✓	307071	5.6744
834-3PSR	342	1	1	✓	307088	4.7500
834-3PTR	342	1	1	✓	374189	3.5242
834-3SF	343	1	1	✓	307095	7.1700
834-3SSQ	343	1	1	✓	307125	12.8100
834-3SSR	343	1	1	✓	307132	11.1600
834-4AF	342	1	10	✓	374691	1.7006
834-4ANQ	342	1	1	✓	375414	5.7707
834-4ANR	342	1	1	✓	375421	4.3742
834-4ASQ	342	1	1	✓	307149	5.6528
834-4ASR	342	1	1	✓	307156	4.7981
834-4ATR	342	1	1	✓	375445	3.4842
834-4DF	339	1	1	✓	376435	7.0796
834-4DHIR	339	1	10	✓	376442	3.5164
834-4DHNQ	339	1	10	✓	376459	4.8502
834-4DHNR	339	1	10	✓	376466	3.9353
834-4DHSQ	339	1	1	✓	307163	5.0336
834-4DHSR	339	1	1	✓	307170	4.0000
834-4DIR	339	1	1	✓	376473	10.4940
834-4DNQ	339	1	1	✓	376480	11.8168
834-4DNR	339	1	1	✓	376497	11.0000
834-4DSQ	339	1	1	✓	307187	11.9371
834-4DSR	339	1	1	✓	307194	8.8881
834-4HNQ	342	1	10	✓	374165	3.8571
834-4HNR	342	1	10	✓	373915	2.2846
834-4HSQ	342	1	1	✓	307224	3.6700
834-4HSR	342	1	1	✓	307231	2.7085
834-4HTR	342	1	1	✓	374479	1.3946
834-4PF	342	1	10	✓	373892	1.9006
834-4PNQ	342	1	1	✓	375469	5.9707
834-4PNR	342	1	1	✓	365187	4.6500
834-4PSQ	342	1	1	✓	307248	5.7200
834-4PSR	342	1	1	✓	307255	4.8500
834-4PTR	342	1	1	✓	374172	3.6842
834-4SF	343	1	1	✓	307262	7.1700
834-4SHSQ	343	1	1	✓	307279	4.9513
834-4SHSR	343	1	1	✓	307286	4.1470
834-4SSQ	343	1	1	✓	307293	12.8100
834-4SSR	343	1	1	✓	307323	11.5500
834-63DF	341	1	1	✓	377869	7.4196
834-63DIR	341	1	1	✓	306944	10.8461
834-63DNQ	341	1	1	✓	306937	12.3089
834-63DNR	341	1	1	✓	306920	10.9081
834-63DSQ	341	1	1	✓	307330	12.2814
834-63DSR	341	1	1	✓	307347	11.4771
834-64DF	341	1	1	✓	306913	9.1489
834-64DIR	341	1	1	✓	306906	12.5755
834-64DNQ	341	1	1	✓	306890	14.0385
834-64DNR	341	1	1	✓	306883	12.6375
834-64DSQ	341	1	1	✓	307354	14.0108
834-64DSR	341	1	1	✓	307361	13.2065
834-6DF	340	1	1	✓	380715	14.8000
834-6DHIR	340	1	1	✓	380722	7.6500
834-6DHNR	340	1	1	✓	312419	N/A
834-6DHSR	340	1	1	✓	316288	7.5000
834-6DIR	340	1	1	✓	380739	23.0000
834-6DNR	340	1	1	✓	312426	N/A

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
834-6DSR	340	1	1	✓	310781	21.5000
840-20A	378	20	20	✓	300720	0.4205
840-20ANR	379	1	10	✓	300737	0.9172
840-20P	378	20	20	✓	300607	0.5353
840-20PNR	379	1	10	✓	300768	1.0955
840-27A	379	20	20	✓	351579	0.4077
840-27P	379	20	20	✓	300775	0.4885
840-2A	378	20	20	✓	300782	0.4077
840-2APK	378	10	10	✓	300546	0.4470
840-2P	378	20	20	✓	300799	0.4933
840-2PPK	378	10	10	✓	300508	0.5573
840-30A	378	1	20	✓	352491	0.4975
840-30ANR	379	1	10	✓	352514	0.8518
840-30P	378	1	20	✓	351555	0.5992
840-30PNR	379	1	10	✓	300812	1.0450
840-37A	379	1	10	✓	352545	0.5118
840-37P	379	1	10	✓	300829	0.5996
840-3A	378	20	20	✓	300836	0.4500
840-3APK	378	10	10	✓	300744	0.4700
840-3P	378	20	20	✓	300843	0.5784
840-3PPK	378	10	10	✓	300706	0.6123
841-29P	377	12	12	✓	351371	1.1033
841-29PIR	377	1	1	✓	308894	2.2658
841-29PL	377	12	12	✓	300850	1.1283
841-29PNQ	377	1	1	✓	308771	3.2151
841-29PNR	377	1	1	✓	308733	2.0703
841-29PSQ	377	1	2	✓	308856	3.2100
841-29PSR	377	1	2	✓	308818	2.0700
841-2A	377	12	12	✓	300201	0.9585
841-2AIR	377	1	2	✓	308887	1.5298
841-2ANQ	377	1	2	✓	308764	4.2400
841-2ANR	377	1	6	✓	352590	3.1058
841-2APK	377	6	6	✓	300201	0.9727
841-2ASQ	377	1	2	✓	308849	4.2400
841-2ASR	377	1	2	✓	308801	3.1000
841-2P	377	12	12	✓	300188	1.1835
841-2PIR	377	1	2	✓	308870	2.2600
841-2PNQ	377	1	2	✓	308757	3.2100
841-2PNR	377	1	6	✓	351388	3.4524
841-2PPK	377	6	6	✓	300188	1.2415
841-2PSQ	377	1	2	✓	308832	3.2100
841-2PSR	377	1	2	✓	308795	2.0700
841-39P	377	12	12	✓	351395	1.2133
841-39PIR	377	1	2	✓	308900	2.8418
841-39PL	377	12	12	✓	300911	1.1783
841-39PNQ	377	1	2	✓	308788	3.2951
841-39PNR	377	1	2	✓	308740	2.1503
841-39PSQ	377	1	2	✓	308863	3.2900
841-39PSR	377	1	2	✓	308825	2.1500
842-22I	357	2	2	✓	352613	1.6234
842-23I	357	2	2	✓	351401	2.9234
842-24I	357	2	2	✓	351739	4.7500
842-2AI	292	1	2	✓	352644	3.2000
842-2ANQ	292	1	10	✓	352651	2.6748
842-2ANR	292	1	10	✓	300935	1.9651
842-2ASQ	292	1	10	✓	307873	2.3298
842-2ASR	292	1	10	✓	307880	1.7251
842-2ILI	294	1	2	✓	352675	5.3354
842-2ILNQ	294	1	2	✓	352682	3.8075
842-2ILNR	294	1	2	✓	351418	3.4421
842-2LI	293	1	5	✓	352699	3.1014
842-2LNQ	293	1	5	✓	300966	1.5366
842-2LNR	293	1	10	✓	300973	1.2076
842-2LP	293	1	10	✓	300980	0.5936
842-2LSQ	293	1	5	✓	307897	1.2319
842-2LSR	293	1	10	✓	307903	0.9923
842-2PI	292	1	2	✓	301017	4.6658
842-2PNQ	292	1	10	✓	301024	2.8131
842-2PNR	292	1	10	✓	356420	2.0768
842-2PSQ	292	1	10	✓	307910	2.5850
842-2PSR	292	1	10	✓	307927	1.8368
842-36AI	292	1	2	✓	352729	5.6728
842-36ANQ	292	1	1	✓	352736	3.4213
842-36ANR	292	1	10	✓	351630	2.2253

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
842-36ASQ	292	1	1	✓	307934	3.2357	842-SB2	359	1	10	✓	301444	0.5542
842-36ASR	292	1	10	✓	307941	2.9455	842-SB3	359	1	10	✓	353047	0.7242
842-36LI	293	1	5	✓	352774	5.3281	842-SB4	359	1	10	✓	351869	0.9985
842-36LNQ	293	1	5	✓	351432	3.1881	842-SCS2	359	1	10	✓	309891	0.9153
842-36LNR	293	1	10	✓	306678	2.1383	842-SCS3	359	1	10	✓	309884	N/A
842-36LP	293	1	10	✓	352781	1.1576	842-SCS4	359	1	10	✓	309402	0.8450
842-36LSQ	293	1	5	✓	307958	3.1800	842-SCSQ2	359	1	10	✓	309877	N/A
842-36LSR	293	1	10	✓	307965	1.6180	842-SCSQ3	359	1	10	✓	309860	N/A
842-36PI	292	1	2	✓	352811	5.8445	842-SCSQ4	359	1	10	✓	309853	N/A
842-36PNQ	292	1	10	✓	351364	3.5930	842-SD4	359	1	1	✓	310958	N/A
842-36PNR	292	1	10	✓	306685	2.3970	842-SI2	359	1	5	✓	353054	1.6094
842-36PSQ	292	1	1	✓	307972	3.4074	842-SI3	359	1	10	✓	353061	2.3248
842-36PSR	292	1	10	✓	307989	2.2600	842-SI4	359	1	2	✓	351845	3.1134
842-3AI	292	1	2	✓	352859	4.7462	842-SN2	359	1	10	✓	353078	0.2575
842-3ANQ	292	1	10	✓	352866	2.7285	842-SN3	359	1	10	✓	301451	1.1021
842-3ANR	292	1	8	✓	352033	1.9900	842-SN4	359	1	20	✓	301468	0.9766
842-3ASQ	292	1	10	✓	307996	2.3835	842-SNQ2	359	1	10	✓	309846	N/A
842-3ASR	292	1	8	✓	308009	1.7500	842-SNQ3	359	1	10	✓	309839	2.1007
842-3ILI	294	1	2	✓	352880	7.5706	842-SNQ4	359	1	1	✓	376039	1.2515
842-3ILNQ	294	1	2	✓	351456	5.6904	842-SP2	359	1	1	✓	353085	0.2725
842-3ILNR	294	1	2	✓	351463	4.9854	842-SP3	359	1	10	✓	353092	0.4071
842-3LI	293	1	5	✓	301109	4.3410	842-SP4	359	1	10	✓	353108	0.3400
842-3LNQ	293	1	5	✓	305749	2.2517	842-SS2	359	1	10	✓	353115	0.2610
842-3LNR	293	1	10	✓	301123	1.7444	842-SS3	359	1	10	✓	353122	0.3147
842-3LNRPK	293	5	5	✓	320315	1.8420	842-SS4	359	1	10	✓	351883	0.2942
842-3LP	293	1	10	✓	301130	0.9321	842-UM	292	1	1	✓	308139	0.1600
842-3LSQ	293	1	5	✓	308016	1.9669	843-2AI	298	1	2	✓	353153	3.2656
842-3LSR	293	1	10	✓	308023	1.3095	843-2ANQ	298	1	5	✓	353160	1.8452
842-3PI	292	1	2	✓	339218	4.7640	843-2ANR	298	1	10	✓	306098	1.2974
842-3PNQ	292	1	10	✓	305756	2.4245	843-2AP	298	1	10	✓	353177	0.6557
842-3PNR	292	1	8	✓	356437	2.1231	843-2AS	298	1	10	✓	353184	0.6126
842-3PSQ	292	1	10	✓	308030	2.6050	843-2PI	298	1	2	✓	353207	3.3649
842-3PSR	292	1	8	✓	308047	1.9938	843-2PNQ	298	1	5	✓	301499	1.7471
842-4AI	292	1	2	✓	352927	5.7862	843-2PNR	298	1	10	✓	305817	1.3726
842-4ANQ	292	1	1	✓	352934	3.5347	843-2PP	298	1	10	✓	301512	0.7757
842-4ANR	292	1	10	✓	351487	2.3899	843-2PS	298	1	10	✓	305824	0.6928
842-4ASQ	292	1	10	✓	308054	3.3491	843-3AI	298	1	2	✓	353238	4.3449
842-4ASR	292	1	10	✓	308061	3.1101	843-3ANQ	298	1	1	✓	353245	2.4011
842-4ILI	294	1	2	✓	352958	9.2200	843-3ANR	298	1	10	✓	353252	1.7054
842-4ILNQ	294	1	2	✓	352965	7.0800	843-3AP	298	1	10	✓	351876	0.8604
842-4ILNR	294	1	2	✓	301208	5.9806	843-3AS	298	1	10	✓	353269	0.7310
842-4LI	293	1	5	✓	301376	5.2190	843-3PI	298	1	2	✓	301536	4.4606
842-4LNQ	293	1	5	✓	305770	3.0790	843-3PNQ	298	1	10	✓	351951	2.5261
842-4LNR	293	1	10	✓	305787	2.0603	843-3PNR	298	1	10	✓	305831	1.8304
842-4LP	293	1	10	✓	301253	1.0946	843-3PP	298	1	10	✓	305848	0.9914
842-4LSQ	293	1	5	✓	308078	2.8100	843-3PS	298	1	10	✓	306807	0.8560
842-4LSR	293	1	10	✓	308085	2.5310	843-4AI	298	1	2	✓	353313	5.3050
842-4PI	292	1	2	✓	305794	5.9862	843-4ANQ	298	1	1	✓	353320	3.0459
842-4PNQ	292	1	10	✓	301284	3.6835	843-4ANR	298	1	4	✓	353337	2.0177
842-4PNR	292	1	10	✓	320421	2.5899	843-4AS	298	1	4	✓	353351	0.7497
842-4PSQ	292	1	10	✓	308092	3.4979	843-4PI	298	1	2	✓	301673	5.4000
842-4PSR	292	1	10	✓	308122	2.4550	843-4PNQ	298	1	10	✓	351906	3.1124
842-712A	356	10	10		313560	0.1650	843-4PNR	298	1	4	✓	301581	2.1127
842-712P	356	10	10		313577	0.2050	843-4PP	298	1	4	✓	301598	1.1970
842-72A	356	5	5	✓	352989	0.1654	843-4PS	298	1	4	✓	306784	0.8897
842-72P	356	5	5	✓	352996	0.2833	844-02G	401	1	10	✓	301611	1.2747
842-73A	356	5	5	✓	353009	0.4705	844-02SL	382	2	2	✓	344212	2.6805
842-73P	356	5	5	✓	301314	0.5625	844-04G	401	1	10	✓	301635	3.8496
842-74A	356	10	10	✓	353016	1.1730	844-04IQ	382	2	2	✓	344120	9.2075
842-74P	356	10	10	✓	339232	0.8930	844-04SL	382	2	2	✓	344236	10.1585
842-76A	356	8	8	✓	301338	1.5470	844-0G	401	1	10	✓	301659	1.4396
842-76P	356	8	8	✓	353023	2.2810	844-0SL	382	2	2	✓	344229	4.9879
842-82AT	356	1	10	✓	326287	0.3591	844-22I	299	1	4	✓	353368	5.3360
842-82PT	356	1	10	✓	326263	0.4551	844-22NQ	299	1	1	✓	353375	3.7658
842-83AT	356	1	10	✓	351715	0.7423	844-22NR	299	1	4	✓	301680	3.2825
842-83PT	356	1	10	✓	326362	1.0353	844-23I	299	1	4	✓	351913	7.8658
842-84AT	356	1	10	✓	353030	1.0160	844-23NQ	299	1	1	✓	353382	5.8108
842-84PT	356	1	10	✓	326461	1.3204	844-23NR	299	1	4	✓	301697	5.1447
842-92A	356	10	20		326249	0.0308	844-24I	299	1	4	✓	351982	9.5158
842-92P	356	10	20		326225	0.0404	844-24NQ	299	1	1	✓	353399	7.3609
842-93A	356	10	20		326348	0.0749	844-24NR	299	1	4	✓	351937	6.2381
842-93P	356	10	20		326324	0.0937	844-S4	401	1	10	✓	301703	1.2397
842-94A	356	10	20		326447	0.0998	845-2APK	378	10	10	✓	301321	0.0662
842-94P	356	10	20		326423	0.1194	845-2P	378	20	20	✓	301772	0.0758

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
845-2PPK	378	10	10	✓	301307	0.0665
845-3APK	378	10	10	✓	301369	0.1410
845-3P	378	20	20	✓	301857	0.1264
845-3PPK	378	10	10	✓	301345	0.1280
845-4APK	378	10	10	✓	301406	0.3521
845-4P	378	20	20	✓	339249	0.3137
845-4PPK	378	10	10	✓	301383	0.3426
846-S11PK	402	3	3	✓	306425	1.7680
846-S13PK	402	3	3	✓	306449	1.9183
846-S15PK	402	3	3	✓	306463	1.6567
846-S17PK	402	3	3	✓	306562	2.2500
846-S19PK	402	3	3	✓	306661	2.9670
846-S1PK	402	3	3	✓	306302	0.7650
846-S3PK	402	3	3	✓	306326	0.9357
846-S5PK	402	3	3	✓	306364	1.2710
846-S7PK	402	3	3	✓	306388	1.5170
846-S9PK	402	3	3	✓	306401	1.6000
847-2	380	20	20	✓	339256	0.1550
847-2PK1	380	5	5	✓	301222	0.4220
847-3	380	20	20	✓	306692	0.1996
847-3PK1	380	10	10	✓	301239	0.4539
847-4	380	10	10	✓	301819	0.3250
847-4PK1	380	10	10	✓	301246	0.5931
847-7	380	10	10	✓	301277	0.9919
847-7B	380	20	20	✓	306111	0.9393
847-9	380	1	10	✓	301291	2.1433
850-234N	350	1	10	✓	351968	4.1516
850-2I	350	1	6	✓	301475	7.0343
850-2IN	350	1	6	✓	353405	8.8834
850-2N	350	1	6	✓	301871	4.4304
850-2T	350	1	6	✓	301888	1.6904
850-3I	350	1	4	✓	301895	9.8063
850-3IN	350	1	4	✓	353429	11.7897
850-3N	350	1	6	✓	301901	7.3549
850-3T	350	1	6	✓	301918	2.6969
850-4I	350	1	2	✓	305855	12.7947
850-4IN	350	1	2	✓	353443	16.6326
850-4N	350	1	6	✓	306074	9.8086
850-4T	350	1	6	✓	305862	3.4826
850-CI2	362	1	1	✓	353467	2.2082
850-CI3	362	1	1	✓	353474	3.5283
850-CI4	362	1	1	✓	353481	5.1484
850-CN2	362	1	1	✓	353498	1.7564
850-CN3	362	1	10	✓	351975	2.0144
850-CN4	362	1	1	✓	353504	3.6878
850-CT2	362	1	10	✓	353511	0.6485
850-CT3	362	1	10	✓	301956	0.7085
850-CT4	362	1	10	✓	353528	1.2993
850-V105	362	1	25	✓	314673	0.0487
850-V106	362	1	25	✓	314659	0.0585
850-V109	362	1	25	✓	314642	0.1837
850-V407	362	1	1	✓	314635	0.0103
850-V415	362	1	1	✓	314628	0.0153
850-V425	362	1	1	✓	314611	0.0278
850-VW1	362	10	10		351920	0.0351
850-VW4	362	10	10		353535	0.0451
851-24I	349	1	2	✓	305879	11.8315
851-24IN	349	1	2	✓	353603	13.7413
851-24N	349	1	2	✓	351944	8.5491
851-24T	349	1	2	✓	353627	6.1907
851-33N	348	1	2	✓	353702	3.0961
851-33T	348	1	2	✓	353719	1.4622
851-34I	348	1	2	✓	305886	8.3135
851-34IN	348	1	2	✓	353726	10.1687
851-34N	348	1	2	✓	305893	5.0168
851-34T	348	1	2	✓	306722	2.6568
851-36I	348	1	2	✓	353740	14.4978
851-36IN	348	1	2	✓	353757	18.3759
851-36N	348	1	2	✓	353771	8.2747
851-36T	348	1	2	✓	353788	4.6474
851-43N	348	1	2	✓	305909	3.1681
851-43T	348	1	2	✓	302014	1.5542
851-44I	348	1	2	✓	305916	8.2555
851-44IN	348	1	2	✓	351685	10.1574

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
851-44N	348	1	2	✓	302038	4.7098
851-44T	348	1	2	✓	356512	2.5988
851-46I	348	1	2	✓	302052	15.7781
851-46IN	348	1	2	✓	351692	19.7099
851-46N	348	1	2	✓	302069	9.6087
851-46T	348	1	2	✓	306746	4.5875
851-64I	349	1	2	✓	351708	11.3494
851-64N	349	1	2	✓	351746	8.0901
851-64T	349	1	2	✓	353900	5.7301
851-66I	349	1	2	✓	351814	24.1451
851-66N	349	1	2	✓	353931	15.9720
851-66T	349	1	2	✓	353948	13.8785
851-CI3	361	1	1	✓	353955	1.5223
851-CI4	361	1	1	✓	353962	2.1766
851-CI6	361	1	1	✓	353979	3.5811
851-CI8	361	1	1	✓	353986	5.1911
851-CN3	361	1	10	✓	351838	1.1670
851-CN4	361	1	10	✓	351654	1.7513
851-CN6	361	1	10	✓	353993	3.0811
851-CN8	361	1	10	✓	354006	3.9011
851-CT3	361	1	10	✓	302113	0.4270
851-CT4	361	1	10	✓	354013	0.6522
851-CT6	361	1	10	✓	351760	1.1811
851-CT8	361	1	10	✓	354020	1.3111
852-2LNR	345	1	10	✓	302168	1.2355
852-3AI	344	1	2	✓	354280	2.7876
852-3ANQ	344	1	2	✓	354297	4.2461
852-3ANR	344	1	5	✓	350343	2.7633
852-3ASQ	344	1	2	✓	308153	4.2140
852-3ASR	344	1	5	✓	308160	3.2900
852-3ATR	344	1	5	✓	354327	1.7626
852-3LI	345	1	2	✓	351784	4.2123
852-3LNQ	345	1	5	✓	351791	2.9909
852-3LNR	345	1	10	✓	302182	1.9280
852-3LP	345	1	10	✓	354372	1.0551
852-3LSQ	345	1	5	✓	308177	2.6699
852-3LSR	345	1	10	✓	308184	1.9208
852-3LTR	345	1	10	✓	302199	1.2701
852-3PI	344	1	2	✓	350695	2.9593
852-3PNQ	344	1	2	✓	350725	4.4178
852-3PNR	344	1	5	✓	350329	2.9350
852-3PSQ	344	1	2	✓	308191	4.3857
852-3PSR	344	1	5	✓	308221	3.3800
852-3PTR	344	1	5	✓	306050	2.1181
852-4AI	344	1	2	✓	350749	2.9872
852-4ANQ	344	1	2	✓	354426	4.4062
852-4ANR	344	1	10	✓	350442	2.8865
852-4ASQ	344	1	2	✓	308238	4.3741
852-4ASR	344	1	10	✓	308245	3.4509
852-4ATR	344	1	10	✓	354457	2.7783
852-4ILI	345	1	2	✓	350756	9.8211
852-4ILNQ	345	1	2	✓	354464	7.4590
852-4ILNR	345	1	2	✓	305947	6.3758
852-4LI	345	1	2	✓	305961	5.2625
852-4LNQ	345	1	1	✓	302274	3.7997
852-4LNR	345	1	10	✓	302281	2.4886
852-4LNRPK	345	5	5	✓	350411	2.5329
852-4LP	345	1	10	✓	350763	1.3668
852-4LSQ	345	1	1	✓	308252	0.7232
852-4LSR	345	1	10	✓	308269	2.9535
852-4LTR	345	1	10	✓	305978	1.5986
852-4PI	344	1	2	✓	305992	3.4000
852-4PNQ	344	1	2	✓	306036	4.6062
852-4PNR	344	1	10	✓	350428	3.4765
852-4PSQ	344	1	2	✓	308276	4.6500
852-4PSR	344	1	10	✓	308283	3.5250
852-4PTR	344	1	10	✓	302359	2.2477
852-CI3	361	1	1	✓	354549	2.3000
852-CI4	361	1	5	✓	354556	3.6500
852-CN2	361	1	10	✓	354563	1.2790
852-CN3	361	1	10	✓	354570	1.4809
852-CN4	361	1	10	✓	350794	1.8551
852-CP3	361	1	2	✓	354594	0.5809
852-CP4	361	1	2	✓	354600	0.8051

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
852-CT3	361	1	2	✓	354624	0.6809	860-GN2	307	1	1	✓	302557	3.8800
852-CT4	361	1	2	✓	354631	0.8651	860-GN3	307	1	1	✓	305497	4.6800
858-63L	357	1	4	✓	350923	4.3340	860-GP	296	1	16	✓	302571	1.8451
858-64L	357	1	4	✓	302366	4.3038	860-GPJ	296	1	16	✓	305480	1.6194
858-PG4	288	1	1	✓	312006	0.4000	860-RGN	296	1	1	✓	350572	6.0960
860-22I	295	1	1	✓	306876	28.3100	860-RGN2	307	1	1	✓	350589	5.1300
860-22N	295	1	1	✓	306869	24.5900	860-RGN3	307	1	1	✓	354853	5.1000
860-22Z	295	1	1	✓	369987	24.5900	860-RGS	296	1	1	✓	310644	6.0960
860-23I	295	1	1	✓	306845	28.3180	860-RGS2	307	1	1	✓	310651	5.1300
860-23N	295	1	1	✓	306838	24.5983	860-RGS3	307	1	1	✓	310668	5.1000
860-23Z	295	1	1	✓	369994	24.8498	860-S	296	1	20	✓	302786	1.0330
860-24I	295	1	1	✓	306814	28.0000	860-U	296	1	20	✓	302618	0.8580
860-24N	295	1	1	✓	306777	5.6900	860-UM	296	1	5	✓	304834	0.4280
860-24Z	295	1	1	✓	370006	24.7500	860-W2P	306	1	4	✓	316370	5.5000
860-26I	295	1	1	✓	306630	28.0000	860-W2PI	306	1	2	✓	315991	16.1000
860-26N	295	1	1	✓	306623	24.7500	860-W2PN	306	1	4	✓	316387	9.4400
860-26Z	295	1	1	✓	369840	26.3850	860-W2PX	306	1	4	✓	316394	3.7500
860-292X	309	1	1	✓	315847	13.5000	860-W2PZ	306	1	4	✓	316028	9.5900
860-293X	309	1	1	✓	315854	N/A	860-W3P	306	1	4	✓	315908	5.1713
860-294X	309	1	1	✓	315861	13.5000	860-W3PI	306	1	2	✓	316004	15.0900
860-2A	295	1	4	✓	354655	4.2296	860-W3PN	306	1	4	✓	316363	9.1189
860-2AI	295	1	2	✓	354662	15.3775	860-W3PX	306	1	4	✓	316332	3.3500
860-2AN	295	1	4	✓	354679	8.9650	860-W3PZ	306	1	4	✓	316035	9.2900
860-2AZ	295	1	4	✓	370143	9.2165	860-W4P	306	1	4	✓	316356	5.2000
860-2P	295	1	4	✓	350817	5.5076	860-W4PI	306	1	2	✓	316011	15.3500
860-2PI	295	1	2	✓	354693	16.1025	860-W4PN	306	1	4	✓	315984	8.9950
860-2PN	295	1	4	✓	302380	9.4400	860-W4PX	306	1	4	✓	316349	3.3050
860-2PZ	295	1	4	✓	371256	9.5915	860-W4PZ	306	1	4	✓	316042	0.9363
860-3A	295	1	4	✓	350855	3.9296	860-WGP	307	1	16	✓	316059	1.8314
860-3AI	295	1	2	✓	350862	15.0775	860-WGP2	307	1	10	✓	316066	1.3135
860-3AN	295	1	4	✓	354709	8.3150	860-WGP3	307	1	10	✓	316073	1.6100
860-3AZ	295	1	4	✓	370099	8.5665	860-WGPJ	307	1	16	✓	316080	2.1063
860-3P	295	1	4	✓	337030	5.1080	860-WS	307	1	20	✓	316097	1.0060
860-3PI	295	1	2	✓	305626	15.0905	860-WU	307	1	20	✓	316103	0.8400
860-3PN	295	1	4	✓	305114	9.0400	861-22X	304	1	1	✓	302755	22.0000
860-3PZ	295	1	4	✓	370129	9.2915	861-22XF	304	1	1	✓	374899	36.9274
860-3SS	297	1	1	✓	308290	N/A	861-23X	304	1	1	✓	302748	25.3600
860-3SSS	297	1	1	✓	314246	2.1600	861-23XF	304	1	1	✓	374882	36.4204
860-4A	295	1	4	✓	354723	3.9200	861-24X	304	1	1	✓	302656	23.2000
860-4AI	295	1	2	✓	354730	14.9025	861-24XF	304	1	1	✓	374844	37.0818
860-4AN	295	1	4	✓	354747	8.6600	861-282X	305	1	1	✓	309723	15.5000
860-4AZ	295	1	4	✓	369956	8.9115	861-283X	305	1	1	✓	309730	16.3450
860-4P	295	1	4	✓	352262	5.0626	861-284X	305	1	1	✓	309747	17.0000
860-4PI	295	1	2	✓	352279	15.7025	861-2P	302	1	1	✓	350701	7.0593
860-4PN	295	1	4	✓	306753	8.9950	861-2PI	302	1	1	✓	354860	16.3867
860-4PZ	295	1	4	✓	369949	9.2465	861-2PN	302	1	1	✓	354877	15.5067
860-4SS	297	1	1	✓	375728	11.9000	861-2PX	302	1	3	✓	305527	5.3067
860-4SSS	297	1	1	✓	376572	26.9315	861-3P	302	1	1	✓	302670	7.6896
860-592I	309	1	1	✓	315885	N/A	861-3PI	302	1	1	✓	354884	16.1495
860-593I	309	1	1	✓	315892	2.4500	861-3PN	302	1	1	✓	302731	15.6000
860-59I	309	1	1	✓	315878	2.6500	861-3PX	302	1	3	✓	305534	5.3467
860-6	296	1	10	✓	354761	0.2697	861-4P	302	1	1	✓	350503	8.9043
860-6A	295	1	1	✓	354778	5.9146	861-4PI	302	1	1	✓	354891	16.2659
860-6AI	295	1	2	✓	354785	15.3825	861-4PN	302	1	1	✓	354907	16.8404
860-6AN	295	1	1	✓	354792	10.3000	861-4PX	302	1	3	✓	305541	5.3917
860-6AZ	295	1	1	✓	369970	10.7215	861-5	303	1	15	✓	305558	1.8460
860-6P	295	1	1	✓	350510	7.9360	861-5I	303	1	15	✓	305602	1.1873
860-6PI	295	1	2	✓	350527	18.6875	861-51N	303	1	4	✓	302762	4.2729
860-6PN	295	1	1	✓	354815	11.6244	861-51NR	303	1	3	✓	350626	8.3330
860-6PZ	295	1	1	✓	369963	11.8759	861-52I	304	1	10	✓	302779	4.1585
860-62I	295	1	1	✓	306609	30.3483	861-52IN	304	1	1	✓	306500	10.0876
860-62N	295	1	1	✓	306593	24.8683	861-53	303	1	15	✓	305619	1.5823
860-62Z	295	1	1	✓	369659	25.1198	861-53I	304	1	10	✓	302793	4.6075
860-63I	295	1	1	✓	306579	28.3100	861-53IN	304	1	1	✓	306494	11.1774
860-63N	295	1	1	✓	306555	24.5900	861-53N	303	1	1	✓	302809	6.0800
860-63Z	295	1	1	✓	369635	24.5900	861-53NR	303	1	3	✓	354914	9.4000
860-64I	295	1	1	✓	306531	28.3000	861-582I	305	1	1	✓	309761	3.3670
860-64N	295	1	1	✓	306524	25.9637	861-582IN	305	1	1	✓	314109	N/A
860-64Z	295	1	1	✓	369628	24.5900	861-583I	305	1	1	✓	309785	3.8310
860-C	296	1	10	✓	350534	0.7882	861-583IN	305	1	1	✓	314116	5.5000
860-CI	296	1	10	✓	369611	N/A	861-58I	305	1	1	✓	309754	4.0130
860-GA	296	1	12	✓	350541	1.3883	861-58IN	305	1	1	✓	314130	N/A
860-GI	296	1	5	✓	350558	9.4931	861-5CI	303	1	3	✓	350633	10.5211
860-GN	296	1	1	✓	305503	4.6800	861-5CIG	303	1	1	✓	304827	8.3200

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
861-5I	304	1	1		302823	5.0150
861-5IN	304	1	1		306487	13.7315
861-5N	303	1	1	✓	302854	6.6400
861-5NR	303	1	3	✓	302847	10.5211
861-6	303	1	10	✓	305565	0.2666
861-6P	302	1	1	✓	354921	8.2288
861-6PI	302	1	1	✓	354938	16.2224
861-6PN	302	1	1	✓	354945	16.2224
861-6PX	302	1	3	✓	302861	4.7615
861-AC	304	1	1		374837	2.6753
861-AD	304	1	20		302878	0.4510
861-C	303	1	5	✓	374790	0.7252
861-D	303	1	80	✓	302885	0.2820
861-UM	303	1	5	✓	302892	0.0830
861-UMI	304	1	1		306470	0.5919
863-22I	323	1	2	✓	354976	13.3858
863-22NQ	323	1	2	✓	354983	11.2458
863-22NR	323	1	3	✓	302908	8.7200
863-22SQ	323	1	2	✓	308320	10.4069
863-22SR	323	1	3	✓	308337	10.0658
863-23I	323	1	2	✓	355010	11.5314
863-23NQ	323	1	2	✓	355027	9.3914
863-23NR	323	1	2	✓	350640	8.1034
863-23SQ	323	1	2	✓	308344	8.6755
863-23SR	323	1	2	✓	308351	8.4169
863-24I	323	1	2	✓	355058	13.0314
863-24NQ	323	1	2	✓	355065	10.8914
863-24NR	323	1	2	✓	355072	9.8914
863-24SQ	323	1	2	✓	308368	10.1755
863-24SR	323	1	2	✓	308375	9.9365
863-325I	325	1	2	✓	355102	6.2883
863-325NQ	326	1	2	✓	355119	4.3377
863-325NR	325	1	6	✓	302915	2.7833
863-325SQ	326	1	2	✓	308665	3.5217
863-325SR	325	1	6	✓	308535	2.7817
863-32I	325	1	2	✓	355157	7.2443
863-32NQ	326	1	2	✓	355164	4.9857
863-32NR	325	1	6	✓	355171	3.9668
863-32SQ	326	1	2	✓	308672	4.2561
863-32SR	325	1	6	✓	308542	3.8796
863-335CQ	369	1	2	✓	312235	3.6867
863-335CR	369	1	6	✓	312228	2.8167
863-335NQ	326	1	2	✓	355225	4.5983
863-335NR	325	1	6	✓	350657	3.7977
863-335RBQ	369	1	2	✓	309433	3.4587
863-335RBR	369	1	6	✓	309440	3.3078
863-335SQ	326	1	2	✓	308689	3.6867
863-335SR	325	1	6	✓	308559	2.8167
863-33I	325	1	2	✓	355263	7.2863
863-33NQ	326	1	2	✓	355270	5.1463
863-33NR	325	1	6	✓	355287	4.0507
863-33SQ	326	1	2	✓	308696	4.4211
863-33SR	325	1	6	✓	308566	4.0446
863-345NQ	326	1	2	✓	355331	4.6483
863-345NR	325	1	6	✓	355348	3.7583
863-34I	325	1	2	✓	355386	7.3363
863-34NQ	326	1	2	✓	355393	5.1963
863-34NR	325	1	6	✓	355409	4.1007
863-34SQ	326	1	2	✓	308702	4.4711
863-34SR	325	1	6	✓	308573	4.0946
863-425I	325	1	2	✓	355430	6.5733
863-425NQ	326	1	2	✓	350688	4.7183
863-425NR	325	1	6	✓	302939	3.0417
863-425SQ	326	1	2	✓	308580	3.8067
863-425SR	325	1	6	✓	308467	3.0692
863-42I	325	1	2	✓	355461	7.5293
863-42NQ	326	1	2	✓	351159	5.4333
863-42NR	325	1	6	✓	302953	3.1170
863-42SQ	326	1	2	✓	308597	4.5456
863-42SR	325	1	6	✓	308474	3.2167
863-435CQ	369	1	2	✓	312211	3.8717
863-435CR	369	1	6	✓	312204	3.1083
863-435NQ	326	1	2	✓	351166	4.7833
863-435NR	325	1	6	✓	302984	3.0517

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
863-435RBQ	369	1	2	✓	309426	3.2847
863-435RBR	369	1	6	✓	302977	3.2847
863-435SQ	326	1	2	✓	308634	3.8717
863-435SR	325	1	6	✓	308481	3.1083
863-43I	325	1	2	✓	355522	7.4563
863-43NQ	326	1	2	✓	304810	5.3163
863-43NR	325	1	6	✓	304803	4.2207
863-43SQ	326	1	2	✓	308641	4.5500
863-43SR	325	1	6	✓	308498	3.3000
863-445NQ	326	1	2	✓	355577	4.7733
863-445NR	325	1	6	✓	303042	3.9727
863-44I	325	1	2	✓	351203	7.4613
863-44NQ	326	1	2	✓	355614	5.3213
863-44NR	325	1	6	✓	304780	3.2750
863-44SQ	326	1	2	✓	308658	4.5961
863-44SR	325	1	6	✓	308528	3.3417
863-62I	324	1	2	✓	355652	11.9244
863-62NQ	324	1	2	✓	355669	9.7844
863-62NR	324	1	3	✓	355676	8.7844
863-62SQ	324	1	2	✓	308382	8.9455
863-62SR	324	1	3	✓	308399	8.7065
863-63I	324	1	2	✓	355706	13.3714
863-63NQ	324	1	2	✓	355713	11.2314
863-63NR	324	1	2	✓	351210	10.2314
863-63SQ	324	1	2	✓	308429	10.5155
863-63SR	324	1	2	✓	308436	10.2765
863-64I	324	1	2	✓	355744	13.5844
863-64NQ	324	1	2	✓	355751	11.4444
863-64NR	324	1	2	✓	355768	10.3351
863-64SQ	324	1	2	✓	308443	10.7285
863-64SR	324	1	2	✓	308450	10.4895
863-FA	285	1	5	✓	355775	0.9100
863-FN	285	1	5	✓	351128	2.4752
863-FNO	285	1	5	✓	351340	6.0962
863-HA23	358	1	10	✓	304476	1.8834
863-HA33	358	1	10	✓	355782	2.0484
863-HA34	358	1	10	✓	355799	2.0034
863-HA43	358	1	10	✓	355805	2.0984
863-HA44	358	1	10	✓	355812	2.0534
863-HC223	358	1	1	✓	355829	10.6082
863-HC233	358	1	1	✓	355836	8.8572
863-HC234	358	1	1	✓	355843	8.7332
863-HC243	358	1	1	✓	355850	10.3572
863-HC244	358	1	1	✓	355867	10.2332
863-HP23	358	1	10	✓	303295	2.1172
863-HP33	358	1	10	✓	303134	2.2334
863-HP34	358	1	10	✓	351531	2.1734
863-HP43	358	1	10	✓	351357	2.2234
863-HP44	358	1	10	✓	303158	2.1784
863-U	303	1	5	✓	305572	0.3194
864-2A	297	1	3	✓	351241	2.3617
864-2P	297	1	3	✓	351142	3.0750
864-3A	297	1	3	✓	355874	2.5250
864-3P	297	1	3	✓	303172	2.6617
864-4A	297	1	3	✓	355881	4.3294
864-4P	297	1	3	✓	303219	2.7300
864-GP	297	1	1	✓	355898	1.1584
864-S	297	1	10	✓	303196	0.3245
864-UM	297	1	10	✓	306456	0.6992
864-W2P	308	1	3	✓	315724	2.9498
864-W3P	308	1	3	✓	315731	3.0000
864-W4P	308	1	3	✓	315748	3.0833
864-WGP	308	1	1	✓	315755	1.2000
864-WS	308	1	10	✓	315762	0.3200
866-2APK	381	5	5	✓	301079	0.5932
866-2I	381	2	2	✓	301055	5.1992
866-2P	381	1	25	✓	303202	0.7700
866-2PPK	381	5	5	✓	301062	0.8952
866-2S	402	1	20	✓	356369	0.2248
866-2SPK	402	5	5	✓	301161	0.2751
866-3I	381	2	2	✓	301086	12.9707
866-3P	381	1	20	✓	303233	1.8100
866-3S	402	1	20	✓	301192	0.6900
866-34APK	381	5	5	✓	301116	1.8360

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
866-34P	381	1	20	✓	301178	1.9200	868-MD	360	1	5	✓	350961	1.9009
866-34PPK	381	5	5	✓	301093	2.1680	868-P3	334	1	2	✓	305183	5.0475
866-4P	381	1	20	✓	303257	2.1000	868-P3M	334	1	2	✓	350978	6.2451
866-S2I	402	2	2	✓	301154	1.4500	868-P4	334	1	2	✓	303431	4.3100
866-S3I	402	2	2	✓	301185	2.9500	868-P4M	334	1	2	✓	350985	6.4451
867-30	403	50	50	✓	315311	0.2506	868-P6	334	1	2	✓	305190	4.4575
867-30PK	403	25	25	✓	315304	0.2641	868-P6M	334	1	2	✓	350992	5.8529
867-35	403	25	25	✓	315328	0.2476	868-S	333	1	10	✓	305091	1.8000
867-35PK	403	25	25	✓	315359	0.2481	868-WD	333	1	1	✓	310521	3.9418
867-A2	335	1	2	✓	351289	2.8422	869-23	394	1	1	✓	303479	2.4929
867-A2M	335	1	2	✓	355904	6.8490	869-2A	394	1	8	✓	305084	0.6340
867-A3	335	1	2	✓	303264	2.9422	869-2P	394	1	8	✓	306005	0.8126
867-A3M	335	1	1	✓	355911	6.9490	869-6A	394	1	1	✓	306265	7.7000
867-A4	335	1	2	✓	351296	2.9922	869-6A1	394	1	2	✓	303769	3.9920
867-A4M	335	1	2	✓	355928	6.9990	869-6P	394	1	1	✓	306203	9.8000
867-C	335	1	25	✓	339188	1.5140	869-6P1	394	1	2	✓	303783	2.3025
867-HC	335	1	5	✓	355935	0.6542	869-60	394	1	10	✓	303721	0.0440
867-HD	360	1	5	✓	351302	0.5883	869-61	394	1	10	✓	303738	0.6300
867-L3AP	336	1	1	✓	374554	7.0000	869-63	394	1	15	✓	303776	1.5650
867-L3PP	336	1	1	✓	374585	7.0500	869-S3A	393	4	4	✓	313638	N/A
867-L4AP	336	1	1	✓	374516	7.0000	869-S3APK	393	2	2	✓	313645	N/A
867-L4PP	336	1	1	✓	374509	7.0000	869-S3AS	393	1	1	✓	313652	N/A
867-MC	335	1	5	✓	355942	3.6992	869-S3P	393	4	4	✓	313669	N/A
867-MD	336	1	5	✓	351319	4.6261	869-S3PPK	393	2	2	✓	313676	N/A
867-P2	335	1	2	✓	303301	3.0352	869-S3PS	393	1	1	✓	313683	N/A
867-P2M	335	1	2	✓	355959	7.1790	869-S4A	393	4	4	✓	313690	N/A
867-P3	335	1	2	✓	339034	3.2872	869-S4ADB	393	1	1	✓	313706	1.7488
867-P3M	335	1	2	✓	303332	7.2940	869-S4APK	393	2	2	✓	313713	N/A
867-P4	335	1	2	✓	339041	3.3572	869-S4AS	393	1	1	✓	313720	N/A
867-P4M	335	1	2	✓	305244	3.7640	869-S4P	393	4	4	✓	313737	N/A
867-UM	335	1	1	✓	375865	0.9500	869-S4PDB	393	1	1	✓	313744	2.3690
868-1503	330	1	1	✓	376763	32.5623	869-S4PPK	393	2	2	✓	313751	N/A
868-1504	330	1	1	✓	376534	33.0000	869-S4PS	393	1	1	✓	313768	N/A
868-1506	330	1	1	✓	375919	32.0552	869-SF3	393	10	10	✓	313775	N/A
868-1508	330	1	1	✓	375339	32.2206	869-SF4	393	10	10	✓	313782	N/A
868-15CD	330	1	1	✓	375391	6.7900	869-SSF	393	1	1	✓	313805	N/A
868-15EXT	330	1	1	✓	375322	27.7400	869-SSL	393	4	4	✓	313812	1.2227
868-15S	330	1	1	✓	375872	8.3330	869-SV4	401	10	10	✓	344045	2.0452
868-15S2	331	1	1	✓	310002	27.0000	869-SVLB	393	10	10	✓	313829	N/A
868-15SH	330	1	1	✓	311139	8.9352	869-SVLW	393	10	10	✓	313836	N/A
868-15U	330	1	1	✓	375902	8.4200	869-V4	382	1	1	✓	344021	9.2468
868-15WD	330	1	5	✓	375384	12.2000	869-V34	381	4	4	✓	302076	0.6352
868-2010	332	1	1	✓	375308	N/A	870-2CM	351	25	25	✓	303813	0.0574
868-2012	332	1	1	✓	375292	N/A	870-3	351	25	25	✓	305237	0.1394
868-20CD	332	1	1	✓	375278	N/A	870-3PK1	352	10	10	✓	312136	0.2831
868-20S	332	1	1	✓	375155	N/A	870-4	351	25	25	✓	306708	0.1168
868-20U	332	1	1	✓	375193	18.5400	870-4PK1	352	10	10	✓	312143	0.2802
868-20WD	332	1	1	✓	375216	21.8120	870-5	351	25	25	✓	304094	0.1700
868-5A	389	10	10	✓	303356	0.4876	870-6	351	25	25	✓	303851	0.2449
868-5P	389	10	10	✓	303509	0.5476	870-6PK1	352	10	10	✓	312167	0.4200
868-7A	389	10	10	✓	376671	0.3861	870-8	351	10	10	✓	303868	0.6369
868-7P	389	10	10	✓	376657	0.4272	870-810	351	5	5	✓	303875	0.7650
868-9A	389	10	10	✓	303370	0.5026	870-812	351	5	5	✓	303882	1.1150
868-9P	389	10	10	✓	305145	0.5846	870-93	351	1	10	✓	303899	0.1661
868-A3	334	1	2	✓	355966	4.7475	870-94	351	1	10	✓	303905	0.4111
868-A3M	334	1	2	✓	355973	5.9451	870-95	351	1	10	✓	303912	0.3300
868-A4	334	1	2	✓	355980	5.2475	870-96	351	1	10	✓	303929	0.5743
868-A4M	334	1	2	✓	355997	6.4451	870-98	351	1	10	✓	303936	0.8250
868-A6	334	1	2	✓	303394	5.4975	870-B	351	25	100	✓	303943	0.0846
868-A6M	334	1	2	✓	356000	6.6951	870-B3	352	1	10	✓	303950	0.3377
868-C	333	1	5	✓	303400	2.0679	870-B4	352	1	10	✓	303967	0.4173
868-D1503	331	1	1	✓	311252	N/A	870-B5	352	1	10	✓	303974	0.6242
868-D1504	331	1	1	✓	311269	N/A	870-B6	352	1	10	✓	303981	0.4093
868-D1506	331	1	1	✓	311276	N/A	870-B6PK1	352	10	10	✓	352040	0.7295
868-D1508	331	1	1	✓	311283	N/A	870-B8	352	1	10	✓	303998	0.6200
868-E	333	1	5	✓	303417	1.7510	871-4	351	25	25	✓	313041	0.0716
868-HD	360	1	5	✓	351043	0.5140	871-6	351	25	25	✓	313065	0.1392
868-I3	333	1	2	✓	351258	11.0975	871-8	351	1	10	✓	313089	0.2798
868-I3M	333	1	2	✓	356017	12.2951	871-16	351	25	25	✓	304001	0.1570
868-I4	333	1	2	✓	351234	11.7475	871-18	351	1	10	✓	304018	0.6825
868-I4M	333	1	2	✓	350947	12.9451	872-4	351	25	25	✓	356413	0.0902
868-I6	333	1	2	✓	350954	12.0475	872-6	351	25	25	✓	313362	0.1980
868-I6M	333	1	2	✓	356024	13.7473	872-8	351	1	10	✓	313386	0.2624
868-MC	333	1	10	✓	356031	1.6004	872-16	351	25	25	✓	304056	0.2326

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
872-18	351	1	10	✓	304032	0.3786	878-15PK	353	25	25	✓	307118	0.0485
873-240	352	1	10	✓	306715	0.4530	878-20	353	25	25	✓	304544	0.0648
873-240P	352	1	10	✓	369666	0.2271	878-20PK	353	25	25	✓	307217	0.0650
873-350	352	1	10	✓	304117	1.0138	878-25	353	25	25	✓	304551	0.0857
873-350P	352	1	10	✓	369765	0.5981	878-25PK	353	25	25	✓	307316	0.0988
873-460	352	1	10	✓	304285	0.8850	878-30	353	25	25	✓	304568	0.1138
873-460P	352	1	10	✓	369772	0.7561	878-30PK	353	25	25	✓	307415	0.1230
874-1	351	25	1000		304421	0.0173	878-35	353	25	25	✓	304575	0.1396
874-1C	351	25	1000		304278	0.0203	878-35PK	353	25	25	✓	307514	0.1485
874-1W	351	25	100		306791	0.0227	878-40	353	25	25	✓	304582	0.1708
874-2	351	25	1000		304261	0.0274	878-40PK	353	25	25	✓	307613	0.1760
874-3C	351	25	500		304179	0.0330	878-50	353	20	20	✓	304599	0.7116
874-3W	351	25	1000		304254	0.0206	878-60	353	8	8	✓	304605	0.4101
874-4	351	25	500		304193	0.0457	878-915	354	10	20		356147	0.7950
874-4C	351	25	500		304209	0.0538	878-920	354	10	10		351050	0.1372
874-4W	351	25	100		304216	0.0554	878-925	354	10	20		356154	0.1849
874-6	351	25	1000		304223	0.0681	878-930	354	10	10		304636	0.2880
874-6C	351	25	100		304230	0.0706	878-935	354	10	20		356161	0.9201
874-6W	351	25	100		351012	0.0709	878-940	354	10	10		304643	0.4740
875-2A	352	20	20	✓	314048	0.0930	878-950	354	10	10		351067	1.0247
875-2P	352	20	20	✓	314024	0.1107	878-960	354	10	10		304650	1.1586
875-3A	352	20	20	✓	314086	0.1719	878-980	354	10	10		351074	2.3430
875-3P	352	20	20	✓	314062	0.1903	879-015	353	25	25		304667	0.0414
875-4A	352	20	20	✓	314123	0.2197	879-015PK	353	25	25	✓	308108	0.0428
875-4P	352	20	20	✓	265913	0.2422	879-020	353	25	25		304674	0.0585
875-8230P	352	1	10	✓	304308	0.3192	879-020PK	353	25	25	✓	308207	0.0599
875-8340P	352	1	10	✓	304315	0.6519	879-025	353	25	25		356178	0.0689
875-8450P	352	1	10	✓	304322	0.9435	879-025PK	353	25	25	✓	308306	0.0820
876-10PK	354	10	10	✓	302502	0.1228	879-030	353	25	25		304681	0.0898
876-15	354	20	20		304339	0.1568	879-030PK	353	25	25	✓	308405	0.1162
876-15PK	354	10	10	✓	302519	0.1638	879-035	353	25	25		356185	0.1391
876-20	354	20	20		304407	0.2708	879-035PK	353	25	25	✓	308504	0.1460
876-20PK	354	10	10	✓	302526	0.2778	879-040	353	25	25		304698	0.1651
876-25	354	20	20		304353	0.2728	879-040PK	353	25	25	✓	308603	0.1683
876-25PK	354	10	10	✓	302533	0.3428	879-15	353	25	25	✓	304704	0.0481
876-30	354	20	20		304391	0.5148	879-15PK	353	25	25	✓	308115	0.0495
876-30PK	354	10	10	✓	302540	0.5218	879-20	353	25	25	✓	304711	0.0636
876-35	354	20	20		304377	0.6623	879-20PK	353	25	25	✓	308214	0.0650
876-35PK	354	10	10	✓	302564	0.6678	879-25	353	25	25	✓	356192	0.0857
876-40	354	20	20		304384	0.7053	879-25PK	353	25	25	✓	308313	0.0988
876-40PK	354	10	10	✓	302588	0.7181	879-30	353	25	25	✓	304728	0.1138
876-50	354	1	10		302595	1.0647	879-30PK	353	25	25	✓	308412	0.1230
876-60	354	1	4		302601	1.4257	879-35	353	25	25	✓	304735	0.1370
876-60PK	354	10	10	✓	310514	1.4650	879-35PK	353	25	25	✓	308511	0.1459
877-20	354	1	20		365149	0.2398	879-40	353	25	25	✓	304742	0.1732
877-20PK	354	10	10	✓	302625	0.2086	879-40PK	353	25	25	✓	308610	0.1764
877-25	354	1	20		302632	0.3458	879-50	353	20	20	✓	304759	0.2944
877-30	354	1	20		304445	0.5258	879-60	353	8	8	✓	304766	0.7777
877-30PK	354	10	10	✓	302649	0.5436	880	403	25	25		304773	0.5412
877-35	354	1	20		304452	0.6623	880-012	413	100	500		302816	0.0461
877-35PK	354	10	10	✓	302663	0.6801	880-034	413	50	250		302830	0.1117
877-40	354	1	20		308627	0.5825	880-1	413	25	25		302311	0.2081
877-40PK	354	10	10	✓	302687	0.6725	880-2	413	25	25		302328	0.2322
877-60	354	1	20		302700	1.9451	880-3	413	25	25		302335	0.3716
877-915	354	1	20		356079	0.4038	880-4	413	25	25		356390	0.4772
877-920	354	1	20		356086	0.4108	880-81	412	25	200		304841	0.0255
877-930	354	1	20		356109	1.2549	880-81C	412	25	200		304858	0.0253
877-935	354	1	20		356116	1.1168	880-81PK	412	50	50	✓	303035	0.0303
877-940	354	1	10		351135	1.7197	880-82	412	25	100		304872	0.0393
877-950	354	1	10		351036	2.5703	880-82C	412	25	100		304889	0.0350
877-960	354	1	4		356123	3.8517	880-82PK	412	50	50	✓	303073	0.0331
878-015	353	25	25		304483	0.0414	880-83	412	10	50		304902	0.0697
878-015PK	353	25	25	✓	307101	0.0550	880-83C	412	10	50		304919	0.0693
878-020	353	25	25		304490	0.0585	880-83PK	412	25	25	✓	303080	0.0684
878-020PK	353	25	25	✓	307200	0.0599	880-84	412	10	50		304933	0.0977
878-025	353	25	25		350930	0.0689	880-84C	412	10	50		304940	0.0984
878-025PK	353	25	25	✓	307309	0.0840	880-84PK	412	25	25	✓	303103	0.0967
878-030	353	25	25		304506	0.1054	881-01-2	410	5	5		566546	0.1508
878-030PK	353	25	25	✓	307408	0.1158	881-01-3	410	5	5		566539	0.2925
878-035	353	25	25		304513	0.1391	881-01-4	410	5	5		566522	0.5159
878-035PK	353	25	25	✓	307507	0.1480	881-01-6	410	1	5		566515	0.5440
878-040	353	25	25		304520	0.1651	881-01-8	410	2	2		566508	2.8605
878-040PK	353	25	25	✓	307606	0.1703	881-01-10	410	1	1		566553	5.3837
878-15	353	25	25	✓	304537	0.0471	881-02A	412	1	10		304964	0.6085

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
881-02FP	412	100	1000		304971	0.0017	884-ATM	384	24	24	✓	303189	0.6952
881-02H	412	1	25		304988	0.4189	884-ATMPK	384	8	8	✓	303189	0.7256
881-1	413	100	1000		302410	0.0122	884-PTM	384	24	24	✓	303141	0.8249
881-10	412	25	200	✓	305008	0.0171	884-PTMPK	384	8	8	✓	303141	0.9662
881-10C	412	25	200	✓	305015	0.0171	886-411	389	20	20	✓	303523	0.3306
881-12	412	25	100	✓	305022	0.0256	886-4A	386	25	25	✓	305510	0.5362
881-12C	412	25	100	✓	305039	0.0256	886-4AM	386	25	25	✓	356635	0.7249
881-13	412	10	50	✓	305046	0.0464	886-4AMSPK	386	6	6	✓	303691	0.6617
881-13C	412	10	50	✓	305053	0.0464	886-4APK	386	6	6	✓	303752	0.5717
881-14	412	10	50	✓	305060	0.0608	886-4AT	384	25	25	✓	352071	0.6504
881-14C	412	10	50	✓	305077	0.0637	886-4ATM	384	25	25	✓	352057	0.6715
881-2	413	100	1000		302427	0.0135	886-4ATMPK	384	8	8	✓	352057	0.6813
881-3	413	50	500		356406	0.0332	886-4ATMS	384	25	25	✓	352064	0.6568
881-4	413	50	500		302441	0.0546	886-4ATMSPK	384	8	8	✓	352064	0.7056
881-510	410	1	1		566492	20.9439	886-4ATS	384	25	25	✓	352088	0.6138
881-52	410	1	5		566485	0.8172	886-4P	386	25	25	✓	303608	0.6650
881-53	410	1	5		566478	1.8453	886-4PM	386	25	25	✓	356628	0.7137
881-54	410	1	1		566621	3.2555	886-4PMSPK	386	6	6	✓	303684	0.7192
881-56	410	1	1		566591	9.7836	886-4PPK	386	6	6	✓	303745	0.6438
881-58	410	1	1		566607	15.3662	886-4PS	386	25	25	✓	356765	0.6650
881-63	410	1	1		374783	3.5715	886-4PT	384	25	25	✓	352118	0.8404
881-64	410	1	1		374608	4.2843	886-4PTM	384	25	25	✓	352095	0.7786
881-66	410	1	1		374615	8.0175	886-4PTMPK	384	8	8	✓	352095	0.8050
882-1	408	10	10	✓	302212	0.1765	886-4PTMS	384	25	25	✓	352101	0.8645
882-105	416	1	6		507594	0.9553	886-4PTMSPK	384	8	8	✓	352101	0.7988
882-110	416	1	6		507600	0.8034	886-4PTS	384	25	25	✓	352125	0.7904
882-115	408	1	25		308726	0.3298	886-A	386	20	20	✓	303066	0.5152
882-1P	408	10	10		351081	0.4260	886-APK	386	10	10	✓	303066	0.4915
882-2	408	10	10	✓	302229	0.2426	886-ATMS	384	25	25	✓	352132	0.5910
882-2P	408	10	10		305176	0.4566	886-ATMSPK	384	8	8	✓	352132	0.6300
882-3	408	10	10	✓	302236	0.3800	886-ATS	384	25	25	✓	352149	0.5405
882-35	408	10	10	✓	302298	0.4837	886-ER	388	25	25		303561	0.1922
882-3P	408	10	10		305220	0.6353	886-GA	385	5	5	✓	380944	0.6738
882-4	408	10	10	✓	302243	0.4837	886-GP	385	5	5	✓	380937	0.6838
882-41	408	10	10	✓	302304	0.6677	886-MR	388	20	20	✓	303448	0.3704
882-4P	408	10	10		351098	0.8817	886-MRM	388	8	8	✓	309105	0.6500
882-95	409	1	30		305275	1.0660	886-MRPK	388	10	10	✓	303448	0.3470
882-96	409	1	30		305282	1.0700	886-P	386	20	20	✓	303028	0.6102
882-98	409	1	12		305299	2.0330	886-PPK	386	10	10	✓	303028	0.6309
882-CS202	409	10	100		357557	0.1144	886-PT30	384	25	25	✓	356611	0.6092
882-CS302	409	10	100		357540	0.2241	886-PTM30	384	25	25	✓	352156	0.6276
882-CS402	409	10	100		357533	0.4112	886-PTMS	384	25	25	✓	352163	0.6868
882-EB152	409	10	100		357526	0.0197	886-PTMSPK	384	8	8	✓	352163	0.7294
882-EB220	409	10	100		357519	0.0790	886-PTS	384	25	25	✓	352170	0.7105
882-EB320	409	10	100		357502	0.3577	886-R	389	20	20	✓	303424	0.2722
882-EB350	409	10	100		357496	0.4285	886-RQ	389	20	20	✓	378644	0.1470
882-EB420	409	10	100		357489	0.5394	886-RQK	389	1	25	✓	317445	0.5377
882-EH24	416	1	12	✓	305305	0.2583	887-AM	386	25	25		303165	0.6336
882-EH36	416	1	12	✓	305312	0.6775	887-GAM	385	6	6	✓	303844	0.6242
882-EH60	416	1	12	✓	305329	0.5688	887-GPM	385	6	6	✓	303820	0.6843
882-EHPG	416	1	1	✓	305336	4.3388	887-GPTMK	385	6	6	✓	339270	1.7360
882-EL23	411	1	1	✓	305343	2.1500	887-PM	386	25	25	✓	303127	0.7444
882-EL34	411	1	1	✓	305350	4.1900	888-A	386	20	20	✓	305633	0.4802
882-EL46	411	1	1	✓	305367	4.2800	888-AM	386	12	12	✓	356581	0.8402
882-ES12	411	1	1	✓	305374	0.4300	888-APK	386	10	10	✓	303363	0.4300
882-ES23	411	1	1	✓	305381	0.5500	888-ATM	384	25	25	✓	352187	0.5328
882-ES34	411	1	1	✓	305398	0.7000	888-ATMPK	384	8	8	✓	352187	0.6679
882-ES46	411	1	1	✓	305404	2.8406	888-GAM	385	6	6	✓	378279	0.7017
882-ST152	409	10	100		357472	0.0110	888-GPM	385	6	6	✓	356598	0.6967
882-ST202	409	10	100		357465	0.0126	888-P	386	20	20	✓	365132	0.6077
882-ST300	409	10	100		357458	0.3549	888-PM	386	12	12	✓	356574	1.0337
882-ST302	409	10	100		357441	0.2626	888-PPK	386	10	10	✓	303325	0.6865
882-ST402	409	10	100		357434	0.4354	888-PTM	384	25	25	✓	352200	0.6222
882-ST602	409	10	10		357427	0.9758	888-PTMPK	384	8	8	✓	352200	0.6438
882-ST802	409	10	10		357410	2.0576	889-45AM	387	20	20	✓	352217	0.7823
882-TT2	411	1	10	✓	305411	0.6234	889-45AMPK	387	10	10	✓	352217	0.8070
882-TT3	411	1	1	✓	305428	1.2024	889-45AMPK2	387	6	6	✓	352217	0.8008
882-TT4	411	1	1	✓	305435	2.3072	889-45PM	387	20	20	✓	305664	0.9850
883-AT	384	25	25	✓	303097	0.6063	889-45PMPK	387	10	10	✓	303288	0.9620
883-ATM	384	24	24	✓	310156	0.7193	889-45PMPK2	387	6	6	✓	303288	1.0272
883-ATPK	384	8	8	✓	303097	0.6442	889-AOM	386	20	20	✓	305671	0.9110
883-PT	384	25	25	✓	303059	0.7410	889-AOMPK	386	6	6	✓	303240	0.9412
883-PTM	384	24	24	✓	310163	0.8563	889-AOTM	386	20	20	✓	357403	0.8573
883-PTPK	384	8	8	✓	303059	0.8142	889-GAOM	386	5	5	✓	309068	0.9400

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

A 10% surcharge will be applied to any item NOT purchased in multiples of the stated Minimum Quantity, except on drop ship orders. Items that are bold in the Min Qty column may NEVER be broken

SUPPLY

DRAINAGE

SUPPORT

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
889-GPOM	386	5	5	✓	313225	0.9400
889-POM	386	20	20	✓	305688	1.0582
889-POMPK	386	6	6	✓	303226	1.1344
889-POTM	386	20	20	✓	357397	1.1265
890-4BDPK	387	10	10	✓	303554	0.8605
890-4BPK	387	10	10	✓	303547	0.6585
890-I42	387	4	4		303622	3.8559
890-I42B	387	500	500		305701	3.3200
891-0312A	404	5	5	✓	311320	0.7092
891-0312P	404	5	5	✓	310323	0.6814
891-033P	404	5	5	✓	310330	0.9239
891-0412A	404	5	5	✓	311429	0.8696
891-0412P	404	5	5	✓	310422	0.8763
891-043P	404	5	5	✓	310439	1.1318
891-044P	404	5	5	✓	310446	1.2410
970-112	259	20	20		302120	0.5952
970-117	259	12	12		508911	1.3920
970-208	258	1	12	✓	302083	0.7500
970-214	258	1	12	✓	302144	1.7670
970-214S	258	1	6	✓	100702	1.7750
970-269S	258	1	6	✓	100719	0.7500
971-1414	259	1	1		101143	5.5000
971-1430	259	1	1		101150	11.0000

SAMPLES & ORDER FORM

TRY ME PACKS 520

Try Me Packs 520

Order Form 522

TRY ME PACKS

You don't always want to buy first. Sometimes you need to field test a product to get the hands on experience and to see if Sioux Chief or Tomahawk has what you need. See what we see by ordering Try Me Packs at no charge, for your real life on-the-job needs.



Try Me Pack No.	Item Description	Contents
SUPPLY		
X1620	Fittings for Sweat	1 × 612-2, 505-29, 614-2, 613-57, 609-L246, 608-L246, 622-M06, 609-L263A, 609-L263X, 609-L263Y
X1640	Fittings for PEX	2 × 649X2 1 × 641XB222, 642X2, 645X2, 632X222, 630X246, 643X2, 647X2E, 632X263, 638X208, 632X263X, 632X263Y, 644X2
X1660	Fittings for CPVC	2 × 551-2C 1 × 647-C2E3, 646-C2, 632-C283, 637-C20, 630-C248, 632-C263X, 632-C263Y
X1670	Full Slip Brass Adapter	2 × 614-22C
X1673	Tub Spout Elbow	1 × 613-67, 928-2
X6231	Hydra-Rester cutaway sample	1 × 652-A
X6232	Mini-Rester cutaway sample	1 × 660-2B
X6235	Tug Spout cutaway short sample	1 × 972-32
DRAINAGE		
X1883	TKO (PVC) with Plumb Perfect closet bolts	1 × 883-PT, 425-PB
X1883A	TKO (ABS) with Plumb Perfect closet bolts	1 × 883-AT, 425-PB
X1884A	TKO (ABS, metal ring) closet flange with Plumb Perfect closet bolts	1 × 884-ATM, 425-PB
X1884P	TKO (PVC, metal ring) closet flange with Plumb Perfect closet bolts	1 × 884-PTM, 425-PB
X1886	Raise-A-Ring with Plumb Perfect closet bolts	1 × 886-R, 427-PB
X1886M	Ringer with Plumb Perfect closet bolts	1 × 886-MR, 425-PB
X1889A	Drop Kick (ABS) with Plumb Perfect closet bolts	1 × 889-45AM, 425-PB
X1889P	Drop Kick (PVC) with Plumb Perfect closet bolts	1 × 889-45PM, 425-PB
X1890-A	Full Flush (ABS) with Plumb Perfect closet bolts	1 × 425-PB, 889-AOM
X1890-P	Full Flush (PVC) with Plumb Perfect closet bolts	1 × 425-PB, 889-POM
SUPPORT		
X1502Combo	TouchDown tube clamp	3 × 550-11 1 × 550-20
X1503	1/2" Tube Talon CTS hanger	20 × 555-2
X1507	1/2" Padlock CTS hanger	5 × 551-P2
X1508-1	Colored Pipe Eye	2 × 558-M2C, 558-M2H 1 × 558-M3C, 558-M3H
X1509	1/2" Sioux Straps	5 × 551-2
X1511	Twin Talon CTS hanger	5 × 555-23
X1511Combo	Twin Talon Combo	4 × 555-23 2 × 555-45B
X1520	Edge Bracket and Clamp	2 × 520-E1622 4 × 520-221
X1521	Secure-All Bracket	4 × 521-851
X1523	Power Bar	2 × 523-16 1 × 523-1624, 523-2424
X1525	Square O tube hanger	4 × 505-24

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Try Me Pack No.	Item Description	Contents
SUPPORT (CONTINUED)		
X1526	Stick-Em Up	1 × 549-712 4 × 523-2424
X1527	Power Bar with all accessories	1 × 523-01, 523-1, 523-31, 523-32, 523-33, 523-34, 550-20, 574-72 Literature
X1528	Power Bar with Drop Ear elbow	1 × 523-24, 616-2E, screws Literature
X1529	Power Bar Mini-Strut	2 × 523-2MS2
X1530	Strong Arm with Lock Blocks	2 × 525-1622 1 × 525-1612, 525-1623
X1531	BiFolator	4 × 558-23, 558-23B 2 × 558F23
X1531F	BiFolator E84 Fire Rated	6 × 553F23
X1533	Strong Arm Plastic Bend Support	2 × 525-162PB
X1534	Pex Bend Elbow	5 × 525-P2 10 × ring shank nails
X1535	Strong Arm with Shower Walnut Lock Block	2 × 525-16WLB assemblies with screws
X1536	L Bent Strong Arm Brackets with PEX Bend Support	2 × 525-162PBL, screws Installation instructions
X1537	Lock Block Face Plate	2 × 525-P2M, screw packs (4/bag) 1 × 525-B2, 525-P22 Installation instruction
X1544	Sammy Screws	1 × 590-4411, 590-4412, 590-4423, 590-4433, 590-4435
X1545	Big Twin Talon (See X1511Combo)	2 × 555-45B
X1552A	Totem, single version	3 × 552-A2, 552-A3 6 nails
X1552B	Totem, twin version	2 × 552-B22, 552-B23, 552-B33 6 nails
X1552C	Totem, stacked version	2 × 552-C22, 552-C23, 552-C33 6 nails
X1556	Pick Up Talon	25 × 556-2
X1556C	Pick Up Talon, ivory	25 × 556-2C
X1556H	Pick Up Talons with stainless steel screws	4 × 556-2HSDR 2 × 556-3HSDR
X1560	Suspension Clamp E84 Fire Rated	2 × 557F2
X1561	Pipe Eye Insulator E84 Fire Rated	2 × 558FM2
X1562	Tube Clamp E84 Fire Rated	2 × 559F2
X1563	Pipe Eye Suspension Bracket	1 × 521-558, 558-M2, 558-M3, 558-M4
X1569	Power Bar E84 Fire Rated	2 × 523F2424
X1570	TouchDown Beam Clamp	2 × 550-11E, 550-20E, 1-550-20E Installation instruction
X1571	A-1 Pipe Bracket	1 × 521-6417, 521-6418, 558-M2H, 558-M2C Literature
SIGNAGE		
X6140	Vinyl banner with grommets 30" × 60"	
SPECIALTIES		
X1291	Drip Free Washer	3 × 290-20301, 290-20311, 290-20313, 290-20381
X1292	Wedge-It	2 × 460-10, 460-20
X1295	Dry Seal Pipe Collar moisture barrier	5 × 928-2
X1296	Shower WallNut	1 × 614-8L, 622-L08, 616-02C, 523-2414
X1401	Plumb Perfect closet bolt	6 × 425 (nut), 430 (bolt)
X1901	Trim Tite escutcheon	5 × 920-2W
X1902	No Putty Gasket	2 × 290-20320, 290-20322, 290-20324
TOOLS		
X1300	Handsaws	1 × 300-12, 301-062
X6235	Smart Spout Cut-Away	1 × 972-32



Please COPY this form for future orders

DATE		
PAGE	OF	

INSTRUCTIONS

1. Fill in all Bill to and Ship to information.
2. Complete one line for each item ordered and fully extend for item total. Add all lines for order total.
3. Fax or mail page(s) to factory, representative or wholesaler.

BILL TO

new address

Qualified wholesale distributors only

Purchase order no.		
Contact name		
Company		
Street address		
City		
State	Zip	
Phone	Fax	
Special instructions		

SHIP TO

new address

Leave blank if same as "bill to"

Purchase order no.		
Contact name		
Company		
Street address		
City		
State	Zip	
Phone	Fax	
Special instructions		

ORDER

	Item No.	Description	Qty.	List Price Each	List Price Total	Mult.	Net Price Total
	1						
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
Signature / Date			Order Totals				

www.siouxchief.com

Sioux Chief Manufacturing Company, Inc.
 P.O. Box 397 24110 South Peculiar Drive
 Peculiar, Missouri 64078 USA
P 1.800.821.3944 or 816.779.6104
F 1.800.758.5950 or 816.758.5950
 www.siouxchief.com
 info@siouxchief.com





EDITION 31 CATALOG

PLUMBING SPECIALTY /// GAS SPECIALTY /// TOOLS





Tomahawk wants you to gain an edge in the field. Our quality lines of plumbing specialty, gas specialty and tools will help you do just that.

Our focus on product innovation shapes new ideas for labor savings before, during or after an installation.

Our quality-tested solutions for finish plumbing provide the professional plumber peace of mind and helps you successfully build your brand, win bids and make profits.

The face of plumbing specialty is changing.

TOMAHAWK.
OUR SPECIALTY. YOUR EDGE.





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- 24 Flush Valves & Parts
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- 100 Buckets, Boxes & Hooks

ABOUT

TOMAHAWK 07

The Idea
Why Tomahawk?
The Logo
New Communication
Customer Service

MARKS, INSIGNIA & CODES 08

List Price Disclaimer
Packaging Codes
Shipping & Packaging Disclaimer





Tomahawk – Another Sioux Chief Innovation

As a new brand in the Sioux Chief family, Tomahawk represents a more concentrated focus upon our Specialty and Tool items that are built upon the strong foundation and legacy of Sioux Chief.

Over the years, the specialty lines developed independently into three solid product categories:

- plumbing specialty
- gas specialty
- tools

These categories have been home to several respected industry mainstays, such as Plumb Perfect closet bolts, the HearthMaster Log Lighter products, and the Smart Spout replacement tub spout.

Sioux Chief set the cornerstone for success in plumbing specialty with these and other products. Tomahawk is built on that success.

Why Tomahawk?

Sioux Chief rough plumbing products often require additional Specialty items and tools to finish the installation.

For years, you have relied on Sioux Chief to produce and carry these vital extras that enable you to finish the job to a high standard. Our innovative and tested specialty plumbing products, gas products and tools have given you an edge in the field because they equal labor savings, quality and reputation building — and your business has grown. As a result, Sioux Chief has grown.

And while we have all gone about our regular business each day, our specialty plumbing and gas products and tool offerings have also quietly and consistently grown.

Today, these products represent a business in its own right, one that supports Sioux Chief's Supply, Drainage and Support categories and yet is worthy of its own name and brand — Tomahawk.

Our Tomahawk brand promise is to continue to provide and expand our offering in quality, innovative specialty plumbing and gas products and tools for you.

Our Specialty. Your Edge.

The Logo

The tomahawk is a serious tool. What you see in the Tomahawk logo is merely the head of a tomahawk, formed in the white space, connecting with its mark, which is a cutting edge — the kind of edge we want you to have as a result of relying on the Tomahawk brand.

New Communication

Tomahawk is working hard to supply you with the right information at the right time. From our new website and online catalog experience, to our information-packed posts that help build your business and brand via our social media presence on Facebook, YouTube and Twitter — you can connect with industry professionals, learn from our product videos or simply stay up-to-date.

Our Specialty + (Right Information @ the Right Time) = Your Edge.

Customer Service

The launch of Sioux Chief's new Tomahawk brand focuses on plumbing specialty, gas specialty and tools.

With this change, it is important to know that your customer service experience will remain the same.

Tomahawk, including both the new catalog and website, is fully supported by the same Sioux Chief customer service and sales processes, pricing programs, shipping services and product warranties.

Contact us anytime for additional information at 800-821-3944 or 816-779-6104, info@goTomahawk.com or www.goTomahawk.com.

MARKS, PACKAGING CODES & DISCLAIMER

List Price Disclaimer

All prices shown in the Tomahawk catalog are subject to change without notice up to time of shipment. Invoice totals and discounts will be calculated out to the fourth decimal digit. Any price discrepancies by Buyer must be brought to the attention of Seller within 60 days' notice, after which Tomahawk's invoice price calculation prevails.

Packaging Codes

The Packaging column highlights purchasing options (see Pkg column) while keeping similar products in consecutive rows. Codes for the Packaging column are repeated at the bottom of each spread.

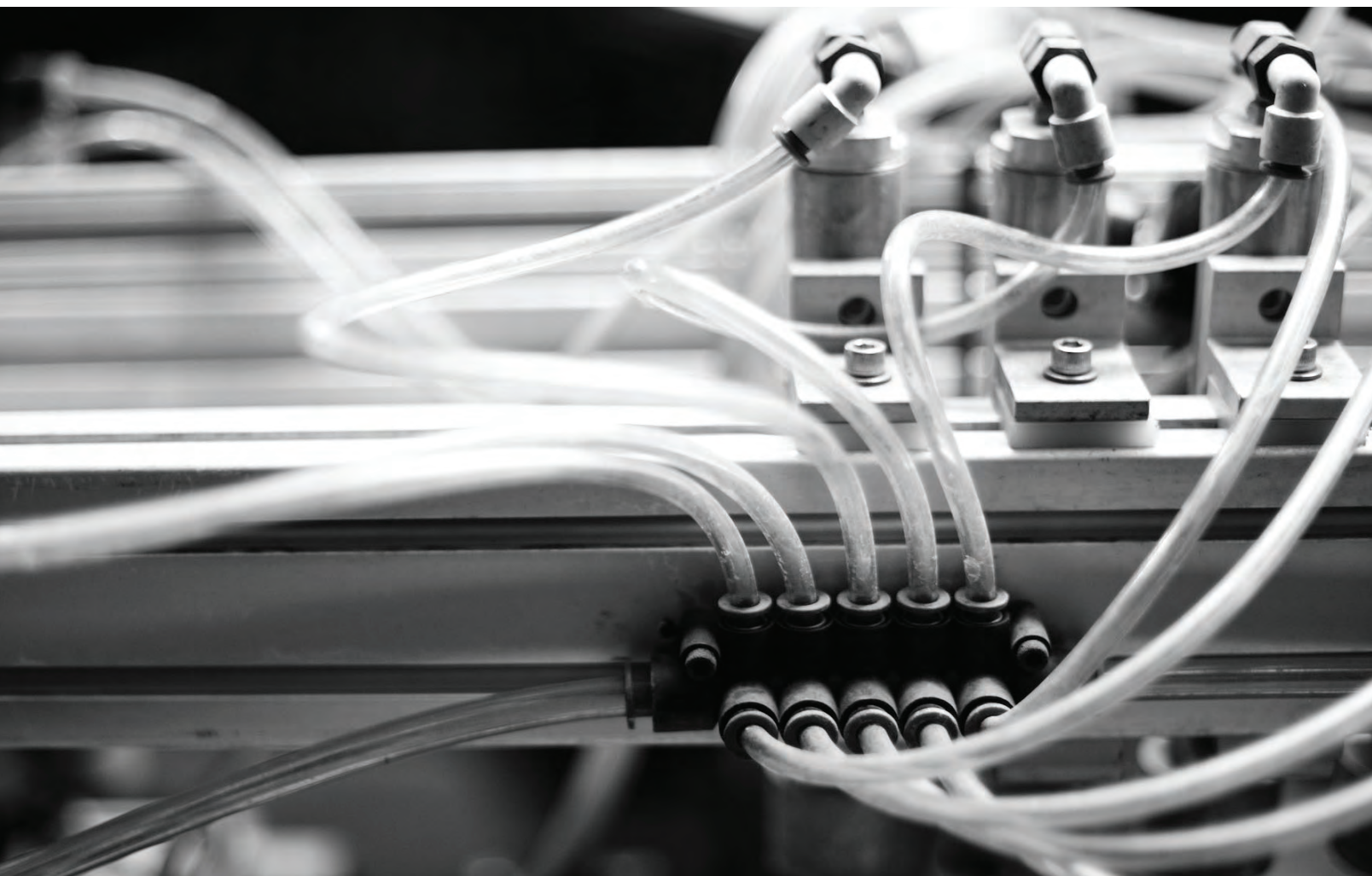
B: Bulk | **C:** Cut Case | **D:** Dispenser Box | **T:** Tube

*: Individually Bar-Coded

Shipping & Packaging Disclaimer

Tomahawk, as a brand of Sioux Chief, is dedicated to having your experience remain consistent and transparent when ordering and communicating with us, with no change in service. Order the same way; the product will ship the same way and you will be billed the same Sioux Chief way.

Tomahawk is expanding our product line and developing packaging and promotions specific to our Tomahawk brand in the near future. During our transition, Tomahawk orders may arrive in Sioux Chief packaging.



AMERICAN INNOVATION

MAKING IT IN AMERICA 10
Mission Statement
American Company
No Lead



Tomahawk Mission

Tomahawk's mission is to design, manufacture and distribute quality and innovative plumbing specialty, gas specialty and tool products while offering superior value and customer service to professional plumbing tradesmen and installers, through qualified distributors.

For plumbing professionals, Tomahawk means tested design and quality materials that embrace the Sioux Chief tradition of product development, built upon the goal to make plumbing installations easier, more effective and more efficient. For end users, this means lasting durability and peace of mind.

American Company

Tomahawk is a brand of Sioux Chief, a Buy American compliant company located in Peculiar, Missouri. We support the American worker whenever feasible by creating jobs and designing and manufacturing products in America.

Green initiative supporters should note that the total carbon footprint of a part made in America is half of that made in China and shipped to the USA.

American manufacturing generates almost 12% of the US Gross Domestic Product. It accounts for 60% of our exports and employs nearly 12 million people. 70% of US dollars spent on research and development come from the manufacturing sector.

Buy American when you can. We will succeed as Americans when you do!

No Lead

The Reduction of Lead in Drinking Water Act, a federal law enacted in 2011 and going into effect January 4, 2014, mandates the wetted surface of every pipe, fixture and fitting installed for use in potable water applications not contain more than .025% lead by weight.

Through innovation, production and inventory management processes, Tomahawk is committed to being ahead of the transition to the full implementation of this law.



FEATURED PRODUCTS

PLUMBING SPECIALTY 12

GAS SPECIALTY 12

TOOLS 12

FEATURED PRODUCTS



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Log Lighter Kits
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Dishwasher Tailpiece
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Closet Bolt
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Smart Cap™
Closet Bolt Cover Cap
p.18



Trim Tite™
Shallow Escutcheon
p.36



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Multi-Purpose Stability Wedge
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F1807 Multi-Size Crimp Tool
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V-Sleeve™ Compact Crimp Tool
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PowerPEX™
F2080 Standard Tool Kit
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Sawhorse™
Multi-Purpose Saw
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PLUMBING SPECIALTY

- 15 CLOSET SPECIALTIES & REPAIR
- 29 TUB & SHOWER SPECIALTIES & REPAIR
- 35 LAV/SINK SPECIALTIES & REPAIR
- 47 TUBULAR SPECIALTIES



CLOSET SPECIALTIES & REPAIR

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PLUMBING

GAS

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APPENDIX



425

Plumb Perfect™ Closet Bolt

- Tensile strength exceeds 1,100 lbs. per bolt
- Thread design provides increased strength and smoother, faster threading
- 100% corrosion proof bolts are available in convenient 2½" and 3½" lengths
- Improved adaptability – open end nut now fits ½" sockets and fits under most bolt caps. Bolt base loads into any flange
- Unique design allows for quick and hassle free installation
- Pyramid base design keeps bolt upright and does not allow bolt to spin in flange, eliminating need to double nut bolt

Beware of cheap imports that can break!

Ask for the Sioux Chief original Plumb Perfect. Look for the Sioux Chief logo at the base of the bolt.



425-PBJ



For use with bolt caps. Fits ½" sockets.



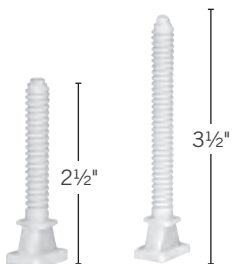
Install over cap washer and hand tighten.



Tighten nut with wrench. (1 to 2 full turns)



Cut off excess bolt. Snap on bolt cap.



Related Product
Smart Cap

p 18



Item No	Description	Pkg	Min Qty	Case Qty
425	2½" bolt, bulk box	B	100	100
425-PB	2½" bolt, 2/bag	B	25	250
425-PBJ	2½" bolt, 2/bag, 50 bar-coded bags/dispenser box	D	1	1
425-PBPK2	2½" bolt, 2/ bar-coded bag	C*	10	10
427	3½" bolt, bulk box	B	100	100
427-PB	3½" bolt, 2/bag	B	50	50
427-PBJ	3½" bolt, 2/bag, 50 bar-coded bags/dispenser box	D*	1	1
427-PBPK2	3½" bolt, 2/ bar-coded bag	C*	10	10
NEW 425-N	Replacement Nut	B	100	500

Solid Brass Closet Bolt

- Nickel-plated steel nut and zinc-plated washer included
- Nuts and washers also available separately



416



417

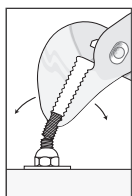


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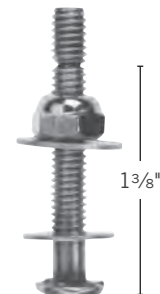
Item No	Description	Pkg	Min Qty	Case Qty
SOLID BRASS CLOSET BOLT				
410	1/4" x 20-2 1/4" bolt with nut & washer, bulk	B	100	1000
410-PB	1/4" x 20-2 1/4" bolt with nut & washer, 2/bag	B	50	50
411	1/4" x 20-3 1/2" bolt with nut & washer, bulk	B	100	500
411-PB	1/4" x 20-3 1/2" bolt with nut & washer, 2/bag	B	50	50
415	5/16" x 18-1 3/4" bolt with nut & washer, bulk	B	100	500
415-PB	5/16" x 18-1 3/4" bolt with nut & washer, 2/bag	B	50	50
416	5/16" x 18-2 1/4" bolt with nut & washer, bulk	B	100	500
416-PB	5/16" x 18-2 1/4" bolt with nut & washer, 2/bag	B	50	50
416PK2	5/16" x 18-2 1/4" bolt with nut & washer, 2/bag	C*	25	25
COMPONENTS				
417	1/4" x 20, 7/16" hex, nickel-plated steel open end nut	B	100	1000
418	5/16" x 18, 9/16" hex, nickelplated steel open end nut	B	100	1000
419	Closet washer-zinc-plated steel (.042 thick)	B	100	5000
490-11223	1/4" x 20, 7/16" hex, nickel-plated brass open end nut	B	25	2500
490-11227	5/16" x 18, 9/16" hex, nickel-plated brass open end nut	B	25	2500
490-11221	Closet washer-nickel-plated brass	B	25	2500

Snap-It™ Brass Closet Bolt

- Nickel-plated steel nut and zinc-plated washers included



Snap off tip with pliers after installation.



412-PB

Item No	Description	Pkg	Min Qty	Case Qty
412-PB	1/4" x 20-2 1/4" bolt with nut & washers, 2/bag	B*	50	50
412-PBPK2	1/4" x 20-2 1/4" bolt with nut & washers, 2/bag	C*	25	25
414-PB	5/16" x 18-2 1/4" bolt with nut & washers, 2/bag	B*	50	50

Smart Cap™ Closet Bolt Cover Cap

Patent # 7,658,580 B1

- Taller cap eliminates the need to cut bolts
- Base creates a tight seal that helps provide a continuous sanitary seal between base and toilet
- Cap threads onto base and is less likely to get lost or knocked off



442-2W



Never cut brass bolts again. Bolts that are cut become too short to reuse when additional flooring is added.



Base is installed between the bowl and nut.



Cap screws onto base for a secure connection.

Related Product Plumb Perfect

p 16



Item No	Description	Pkg	Min Qty	Case Qty
WHITE				
440-2W	Cover cap with 425-PB closet bolts, 2/bag	C*	1	25
442-2W	Cover cap, 2/bag	C*	1	25
BONE				
442-2B	Cover cap, 2/bag	C*	1	25



Closet Bolt Cover Cap

- White polypropylene

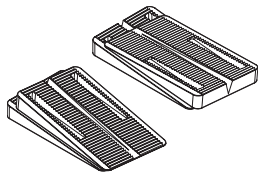


490-11240

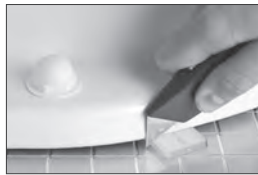
Item No	Description	Pkg	Min Qty	Case Qty
490-11240	White cap & snap-on washer, 2/bag	B*	1	50

Wedge-It™ Multi-Purpose Stability Wedge

- Stiff polypropylene is drivable
- Soft rubber-like PVC is easy to trim and resists slipping on tile floors
- Dozens of uses on the job site, in the office, home, etc.
- Corrosion proof
- Interlocking for stability and stacking



Stack in the same or opposite direction.



Ideal for leveling unsteady closet bowls.



460-10



460-20



460-20J

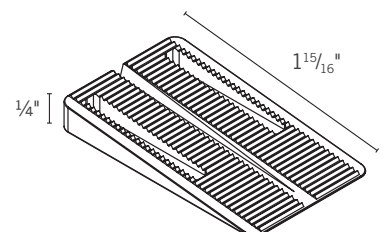
PLUMBING

GAS

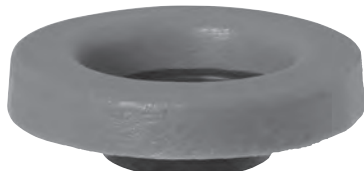
TOOLS

APPENDIX

Item No	Description	Pkg	Min Qty	Case Qty
460-10	Stiff polypro, bulk box	B	100	1000
460-10J	Stiff polypro, 10/bag, 20 bags/dispenser box	D*	1	1
460-11300	Stiff polypro job pack, 10/bag	B	1	10
460-20	Soft PVC, bulk box	B	100	1000
460-20J	Soft PVC, 10/bag, 20 bags/dispenser box	D*	1	1
460-11310	Soft PVC job pack, 10/bag	B	1	10



PLUMBING

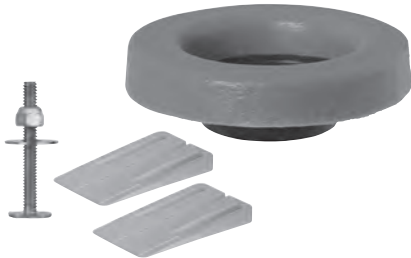


402-10

Wax Gaskets

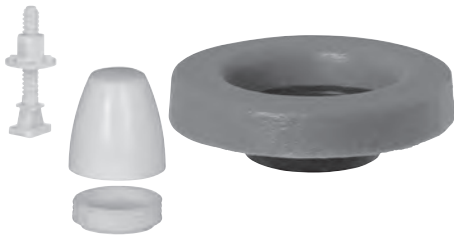
- Plastic flange extends discharge opening
- Gasket forms a watertight, gas-tight and odor-tight seal
- Fits 3" and 4" waste lines
- Meets Fed spec TT-P-1536A

GAS



402-410

TOOLS



402-440

APPENDIX

Item No	Description	Pkg	Min Qty	Case Qty
402-10	Wax gasket with poly flange	B	24	24
402-410	Wax gasket with 410-PB 1/4" x 2 1/4" brass bolt with two 460-20	B*	24	24
402-427	Wax gasket with 427-PB open nut 3 1/2" bolt	B*	24	24
402-440	Wax gasket with 425 and 442-2W smart cap	B*	24	24

Closet Bowl Cushion

- Bowl setting alternative material to wax
- Pre-drilled holes on wide flange model hold bolts upright, eliminating need to double nut



490-10540



490-10545

Item No	Description	Pkg	Min Qty	Case Qty
SPONGE RUBBER - RING TYPE				
490-10540	5 3/8" O.D. x 3 3/8" I.D. x 9/16" high	B	10	10
490-10541	5 1/4" O.D. x 3 7/16" I.D. x 1/2" high	B	10	10
490-10542	5 3/8" O.D. x 3 1/2" I.D. x 3/4" high	B	10	10
490-10543	5 5/8" O.D. x 3 1/2" I.D. x 1" high	B	10	10
SPONGE RUBBER - WIDE FLANGE				
490-10545	6 3/4" O.D. x 3 1/2" I.D. x 3/8" high	B	10	10
490-10546	6 3/4" O.D. x 3 1/2" I.D. x 9/16" high	B	10	10
490-10547	6 3/4" O.D. x 3 1/2" I.D. x 3/4" high	B	10	10
490-10548	6 3/4" O.D. x 3 1/2" I.D. x 1" high	B	10	10

Tank Bowl Kits

Universal

- ¾" high universal sponge gasket with deluxe tank-to-bowl bolts

American Standard†

- 1½" high recessed gasket with deluxe brass tank-to-bowl bolts

Gerber†

- 1¾" high gasket with deluxe brass tank-to-bowl bolts

Kohler†

- ¾" high molded rubber gasket with three deluxe brass tank-to-bowl bolts
- ¾" high sponge gasket with deluxe brass tank-to-bowl bolts

Eljer†

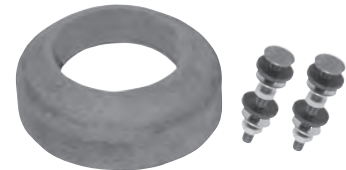
- 7/16" high gasket with deluxe brass tank-to-bowl bolts

Mansfield†

- Sponge gasket with three deluxe solid brass tank-to-bowl bolts
- Also used for American Standard* gasket (our 490-10660)



490-10555



490-10560



490-10565



490-10570



490-10572



490-10575



490-10585

Item No	Description	Pkg	Min Qty	Case Qty
UNIVERSAL				
490-10555	¾" high universal tank bowl kit	B*	1	25
AMERICAN STANDARD†				
490-10560	1½" high tank bowl kit	B*	1	25
GERBER†				
490-10565	1¾" high tank bowl kit	B*	1	25
KOHLER†				
490-10570	¾" high tank bowl kit	B*	1	25
490-10572	Tank bowl kit with "sponge" gasket	B*	1	25
ELJER†				
490-10575	7/16" high tank bowl kit	B*	1	25
MANSFIELD†				
490-10585	Tank bowl kit with 3 tank bolts and sponge gasket	B*	1	25

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

PLUMBING



490-10656

GAS



490-10661

TOOLS



490-10666

APPENDIX



490-10671



490-10673



490-10676

Tank-to-Bowl Gaskets

Universal

- 3⁵/₈" O.D. × 2¹/₄" I.D. × 3/4" high

American Standard† / Mansfield†

- 3¹/₂" O.D. × 2¹/₈" I.D. × 1¹/₈" high

Gerber†

- 3¹/₄" O.D. × 2¹/₈" I.D. × 1³/₁₆" high

Kohler†

- Molded rubber: 3³/₄" O.D. × 2¹/₂" I.D. × 3/4" high
- Sponge: 3¹/₄" O.D. × 2" I.D. × 3/4" high

Eljer†

- 3¹/₈" O.D. × 2¹/₄" I.D. × 7/16" high

Item No	Description	Material	Pkg	Min Qty	Case Qty
UNIVERSAL					
490-10656	3/4" high gasket	molded rubber	B	25	25
AMERICAN STANDARD†/MANSFIELD†					
490-10661	1 1/8" high gasket	sponge	B	25	25
GERBER†					
490-10666	1 3/16" high gasket	sponge	B	25	25
KOHLER†					
490-10671	3/4" high gasket	molded rubber	B	25	25
490-10673	3/4" high gasket	sponge	B	25	25
ELJER†					
490-10676	7/16" high gasket	molded rubber	B	25	25

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

Tank Bolt Set

- Cloth inserted washers
- 7/8" truss head with deep slot

Item No	Description	Pkg	Min Qty	Case Qty
452-PB	Solid brass bolts with ²³ / ₃₂ " head and hex nuts; plated washers and wing nut; cloth inserted washers, 2/bag	B	50	50
490-10500	Solid brass bolts with 7/8" head and hex nuts; brass washers and cloth inserted washers, 2/bag	B*	1	50
490-10502	Cloth inserted washer for tank bolt	B	25	250
490-10505	Brass hex nut for 490-10500	B	25	200



452-PB



490-10500



490-10502

Spud Gasket

- Installs on flush valve spud
- Seals brass spud to china
- Natural rubber

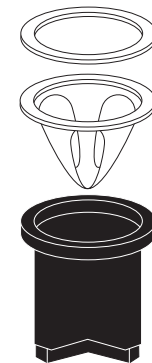


490-11520

Item No	Description	Pkg	Min Qty	Case Qty
490-11520	1 1/4" urinal spud gasket	B	5	25
490-11522	1 1/2" closet spud gasket	B	5	25
490-11530	1" x 3/4" closet spud gasket	B	5	25

Sloan Vacuum Breaker

- Three-piece vacuum breaker kit



490-10700

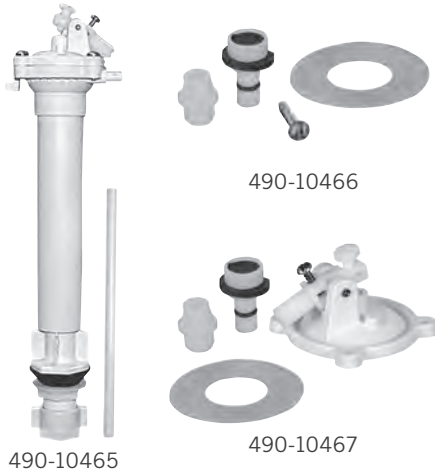
Item No	Description	Pkg	Min Qty	Case Qty
490-10700	Sloan† vacuum breaker kit	B*	1	12

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

PLUMBING

GAS

TOOLS



Anti-Siphon Ballcock

- 8½" Hoov-R-Line† Replacement
- Rebuild kit includes spare screw (reuse original brass screws when repairing)
- Conforms to ASSE 1002

Item No	Description	Pkg	Min Qty	Case Qty
490-10465	8½" anti-siphon ballcock assembly	B	1	12
490-10466	Ballcock rebuild kit, includes 1 spare screw	B	1	12
490-10467	Ballcock top assembly kit	B	1	12

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

APPENDIX



Plastic Flush Valve

- Complete replacement plastic flush valve with flapper
- Blue vinyl chemical-resistant flapper
- Stainless steel chain

Item No	Description	Pkg	Min Qty	Case Qty
490-11150	8" flush valve with chemical-resistant flapper	B*	1	12
490-11151	10⅝" flush valve with chemical-resistant flapper	B*	1	12
490-11152	Gasket only for 490-11150	B	5	25

American Standard† Flush Valve Seal

- For American Standard† (N-3055)



Item No	Description	Pkg	Min Qty	Case Qty
490-10320	Flush valve replacement seal	B*	1	50

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

American Standard† Flush Valve Disc Without Helmet

- Genuine American Standard – snap-on or screw-on

With Helmet

- Snap-on or screw-on



490-10312



490-10316

Item No	Description	Attachment Method	Pkg	Min Qty	Case Qty
WITHOUT HELMET					
490-10302	A. S. #33643-07	snap-on	B*	1	25
490-10312	A. S. #73383-07	screw-on	B*	1	25
WITH HELMET					
490-10306	Flush valve disc†	snap-on	B	25	25
490-10316	Flush valve disc†	screw-on	B	25	25

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

Mansfield Flush Valve Gasket

- Genuine Mansfield, old and new styles



490-10340



490-10341

Item No	Description	Pkg	Min Qty	Case Qty
490-10340	Mansfield gasket - old style	B*	1	25
490-10341	Mansfield gasket - new style	B*	1	25

Flush Valve Balls For Douglas† and Eljer†



490-10206



490-10211

Item No	Description	Pkg	Min Qty	Case Qty
490-10206	3" replacement flush valve tank ball for Douglas models	B*	1	25
490-10211	Replacement flush valve tank ball for Eljer models	B*	1	50

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

PLUMBING



490-10125

GAS



490-10115

TOOLS



490-10108

APPENDIX



490-10110



490-10120

Flappers

- Replacement flappers for most popular closet brands
- Produced with high quality co-polymer vinyl or ABS materials
- Chemical-resistant flappers prevent warping
- Stainless steel (Type 303) chains will not rust

Item No	Description	Pkg	Min Qty	Case Qty
ELJER "LOW BOY"				
490-10125	Plastic with styrofoam cone - Genuine Eljer Flapper for Patrician, Windsor and Canterbury Aqualine models	B*	1	20
KOHLER†				
490-10115	One-piece toilet Replacement #GP49114	B*	1	25
490-10117	Long Arm Replacement #GP83064	B*	1	25
CHEMICAL RESISTANT - VINYL RESISTS WARPING				
490-10108	Blue vinyl with 9" stainless steel chain and hook	B*	1	25
490-10112	Clear vinyl with 9" chain. 1.6 GPF with 4 orifices	B*	1	25
490-10110	Clear vinyl with 9" stainless steel chain and hook, 3-way, co-polymer	B*	1	25
STANDARD STYLE				
490-10120	ABS with TPR seal - fits Kohler†, Am. Standard† and Coast†, with 9" chain and hook	B*	1	25
490-10121	TPR seal for 1.6 GPF models, 9" stainless steel chain and hook	B*	1	25
490-10122	TPR replacement seal only	B*	1	25

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

Tank Handles

Metal Tank Handle

- 8" brass arm

American Standard†/Eljer†

- 4" arm

American Standard† Neo Angle Mount

- 45° arm for Cadet II series

Kohler† Neo Angle Mount

- For Wellworth II series

Eljer† Side Mount

- New Emblem series

Mansfield ABS

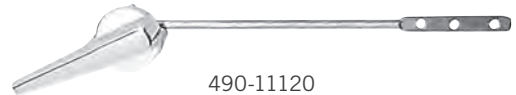
- Non-bendable arm for water saver flush valve

Item No	Description	Pkg	Min Qty	Case Qty
METAL HANDLE WITH 8" BRASS ARM				
490-11100	Chrome metal handle, die cast nut, & cushion washer, 1/bag	B*	1	25
490-11101	Chrome metal handle, die cast nut, & cushion washer	B	50	50
490-11120	Chrome metal handle, brass nut, & cushion washer, 1/bag	B*	1	15
AMERICAN STANDARD†/ELJER†				
490-11130	Chrome-plated ABS tank handle with 4" arm, 1/bag	B*	1	12
AMERICAN STANDARD† NEO MOUNT				
490-11157	Chrome-plated ABS, 1/bag	B*	1	12
KOHLER† NEO ANGLE MOUNT				
490-11155	Chrome-plated die-cast with ABS arm, 1/bag	B*	1	12
ELJER† SIDE MOUNT				
490-11159	Chrome-plated die cast with brass arm	B*	1	12
MANSFIELD ABS				
490-11140	Chrome-plated ABS	B*	1	12

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.



490-11100



490-11120



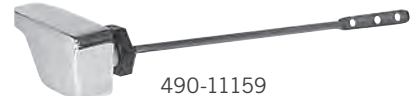
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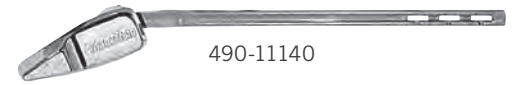
490-11157



490-11155



490-11159



490-11140

PLUMBING

GAS

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APPENDIX

Eljer Touch-Flush Tank Ball & Handle Set

- Clip style handle lock

Item No	Description	Pkg	Min Qty	Case Qty
490-10325	Eljer† Flush valve tank ball & handle set	B*	1	12

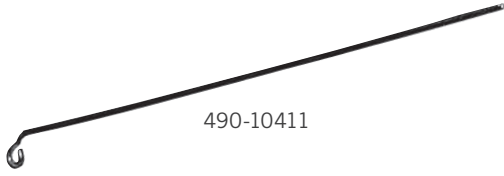
† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.



490-10325

PLUMBING

Brass Tank Ball Wire



Item No	Description	Pkg	Min Qty	Case Qty
490-10411	10" brass upper wire, bulk	B	25	100
490-10415	5½" brass lower wire, bulk	B	25	200

GAS

Poly Tank Float Ball

- High buoyancy polyethylene float ball, ¼" x 20 female thread



Item No	Description	Pkg	Min Qty	Case Qty
490-10451	Black polyethylene	B	24	24

TOOLS

APPENDIX

Notes

TUB & SHOWER SPECIALTIES & REPAIR

SMART SPOUT	30
STANDARD SPOUT & ACCESSORIES	31
SHOWER ARM & ACCESSORIES	34

PLUMBING



972-32

GAS



972-36

TOOLS



972-3RA

APPENDIX



972-3RAKIT

Smart Spout™ Replacement Tub Spout for 1/2" Copper Tube

Patent # 7,373,674

- Installs directly onto 1/2" copper stub out with #2 Phillips screwdriver
- Slip-fit convenience; secure, clean, tight to finished wall eliminating the need to caulk
- 5 1/4" overall length in three finish options
- Free Dry Seal Pipe Collar included with every Smart Spout
- Optional copper extension adapter available

Smart Spout™ Extension Adapter 1/2" CTS Extension Nipple

- Reduced end fits inside Type M or Type L copper to extend the length of the stub out



Tightens firm and flush to the finished wall.



See installation video on YouTube:
thvideo.us/your_edge



972-361PK2

Related Product
Dry Seal Pipe Collar

p 31

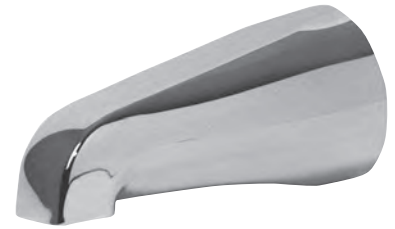


Item No	Description	Finish	Pkg	Min Qty	Case Qty
972-32	Smart Spout	chrome	B*	1	18
972-32RB	Smart Spout	oil-rubbed bronze	B*	1	18
972-32SN	Smart Spout	satin nickel	B*	1	18
972-36	Smart Spout with shower diverter	chrome	B*	1	18
972-36RB	Smart Spout with shower diverter	oil-rubbed bronze	B*	1	18
972-36SN	Smart Spout with shower diverter	satin nickel	B*	1	18
NEW 972-361PK2	Smart Spout with shower diverter & repair adapter kit, clamshell	chrome	B*	6	6
NEW 972-362PK2	Smart Spout with shower diverter & repair adapter kit, clamshell	satin nickel	B*	6	6
REPAIR ADAPTER					
NEW 972-3RA	1/2" CTS Extension 5/BG		B*	1	10
NEW 972-3RAKIT	1/2" CTS Extension Repair Kit 1/BG**		B*	1	10

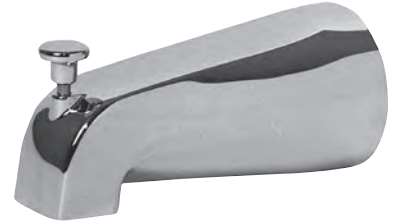
**Kit includes: Extension adapter, sand cloth, 2-part epoxy, applicator stick and instruction sheet.

Tub Spout

- Chrome-plated zinc
- 5¼" overall length
- Tapered threads



972-10



972-15

Item No	Connection	Pkg	Min Qty	Case Qty
WITH FRONT DIVERTER				
972-15	½" FIP nose end	B*	1	50
972-35	Slip connects to ⅝" O.D. with 1⅜" adjustment	B*	1	50
WITHOUT DIVERTER				
972-10	½" FIP nose end	B*	1	50
972-20	¾" or ½" FIP nose end with ½" × ¾" bushing	B*	1	50
972-30	Slip connects to ⅝" O.D. with 1⅜" adjustment	B*	1	50

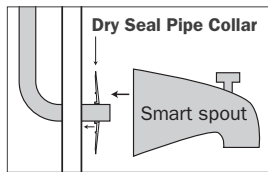
Dry Seal Pipe Collar™ Water/Moisture Barrier

Patent # 7,197,777

- Creates a watertight seal around pipe or tube
- Thin, tapered design compresses tightly to wall
- Helps keep moisture out of wall cavity which helps prevent mold growth



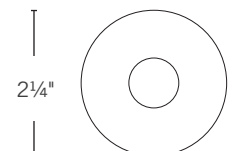
928-2



Related Product
Smart Spout

p 30

Item No	Description	Pkg	Min Qty	Case Qty
928-12	½" IPS	B	50	500
928-125	½" shower arm	B	50	500
928-13	¾" IPS	B	50	500
928-2	½" CTS	B	50	500
928-3	¾" CTS	B	50	500



PLUMBING

GAS

TOOLS

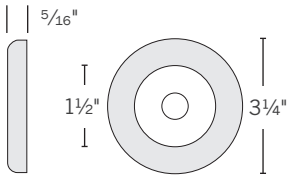
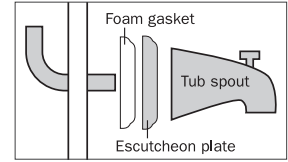
APPENDIX



972-100

Tub Spout Escutcheon

- For use with 1/2" CTS, 1/2" or 3/4" IPS
- Chrome-plated brass with foam gasket
- Helps protect against leaks between spout and wall



Item No	Description	Pkg	Min Qty	Case Qty
972-100	Tub spout seal escutcheon - chrome	B*	1	12



974-60102

Tub Faceplate

Blank

- Two hole chrome-plated steel blank faceplate with two chrome-plated screws

Trip Lever

- Two hole tub faceplate with two 2" chrome-plated screws and one 3/32" x 3/4" brass cotter key



974-60100

Item No	Description	Pkg	Min Qty	Case Qty
BLANK				
974-60102	Blank tub faceplate, two hole, chrome-plated steel with 2" chrome screws/bag	B*	1	12
TRIP LEVER FACEPLATE				
974-60100	Chrome-plated Zamac, two hole with spring, two chrome screws and brass cotter key/bag	B*	1	20
TRIP LEVER FACEPLATE ACCESSORIES				
974-60105	Screw - 2" chrome-plated brass for faceplate	B	6	120

Tub Overflow Gasket

- Molded sponge



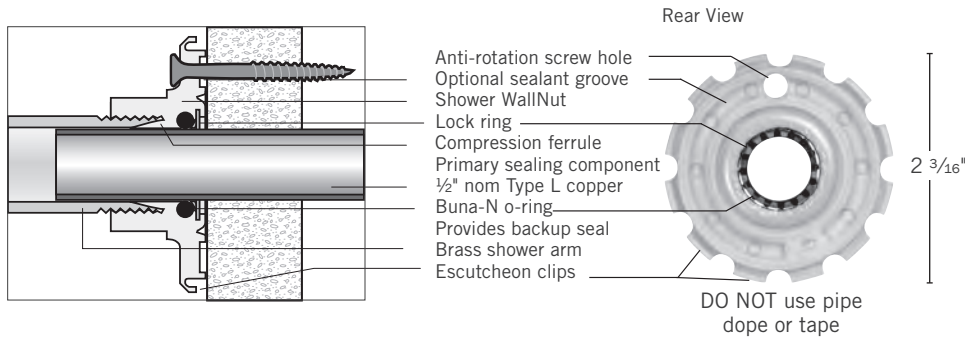
974-60116

Item No	Description	Pkg	Min Qty	Case Qty
974-60116	Molded tub overflow gasket	B	12	120

Shower WallNut™ Shower Arm Adapter

Patent # 6,378,912

- Stub out to shower arm connection is made outside the finished wall. No hidden leaks behind the wall that promote mold growth
- Stub out with copper tube, just like other fixtures
- No pipe seal tape or pipe joint compound needed on shower arm threads



307-625
Patent # 6,460,432



307-616

Required components for warranty

Sioux Chief's **Shower WallNut System** carries a Limited Lifetime Warranty only when all of the following Sioux Chief components are used and installed per manufacturer's instructions:

1. Sioux Chief copper stub out elbow or preformed copper shower riser
2. Strong Arm Bracket with WallNut Lock Block
3. Shower WallNut Shower Arm Adapter



SATIN NICKEL AND OIL RUBBED BRONZE ESCUTCHEON FINISHES

Satin Nickel matches	Delta® Satin Nickel Kohler® Vibrant Brushed Nickel Price Pfister® Brushed Nickel Moen® Brushed Nickel
Oil Rubbed Bronze matches	Moen® Oil Rubbed Bronze Delta® Venetian Bronze Danze® Oil Rubbed Bronze Price Pfister® Oil Rubbed Bronze

Item No	Description	Escutcheon Finish	Pkg	Min Qty	Case Qty
SHOWER WALLNUT KITS					
616-02C	WallNut with escutcheon, bagged	chrome	B*	25	25
616-02P	WallNut with escutcheon, bagged	polished brass	B*	25	25
616-02RB	WallNut with escutcheon, bagged	oil-rubbed bronze	B*	1	25
616-02SN	WallNut with escutcheon, bagged	satin nickel	B*	1	25
616-02W	WallNut with escutcheon, bagged	white enamel	B*	25	25
TOOLS & ACCESSORIES					
307-625	Shower Arm Installation Tool, individually bagged		B*	1	6
307-616	WallNut Removal Tool, bagged		B*	1	10



PLUMBING

GAS

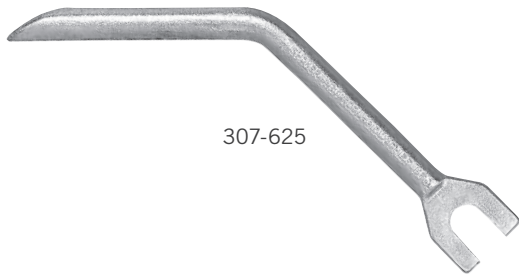
TOOLS

APPENDIX

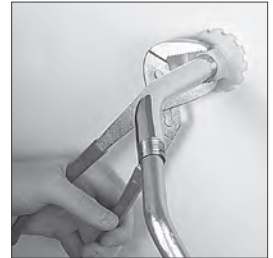
Shower Arm Installation Tool

Patent # 6,460,432

- Easier shower arm installations
- Allows shower arm installation with no external damage
- Wrench locks into shower arm for secure, no slip installation
- Can be used on all brass shower arms
- Heavy-duty malleable iron wrench with galvanized finish



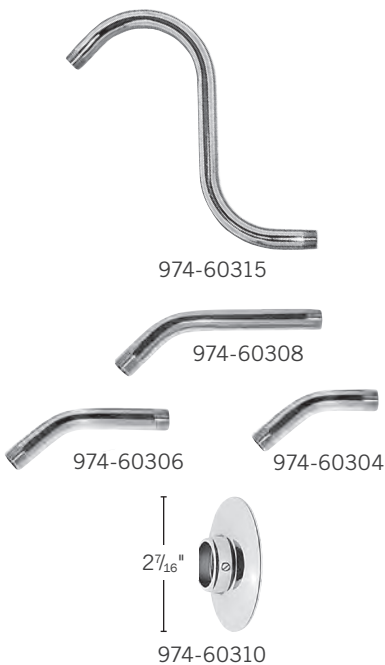
307-625



Item No	Description	Pkg	Min Qty	Case Qty
307-625	Shower arm installation tool, individually bagged	B	1	6

Shower Arm and Accessories

- Chrome-plated finish



974-60315

974-60308

974-60306

974-60304

27/16"

974-60310

Item No	Description	Pkg	Min Qty	Case Qty
STANDARD SHOWER ARM				
974-60304	4" long x 1/2" MIP	B*	1	25
974-60306	6" long x 1/2" MIP	B*	1	25
974-60308	8" long x 1/2" MIP	B*	1	25
"S" TYPE SHOWER ARM				
974-60315	"S" type, 1/2" MIP, 10" rise	B*	1	10
SHOWER ARM ACCESSORIES				
974-60310	Flange with set screw	B*	1	10

Shower Head Adjustable Spray

- 1 3/4" diameter
- Chrome-plated brass
- 2.5 GPM



974-60300

Item No	Description	Pkg	Min Qty	Case Qty
974-60300	Shower head	B*	1	6

LAV/SINK SPECIALTIES & REPAIR

ESCUTCHEONS, FLOOR & CEILING PLATES	36
SUPPLY STOP VALVES	38
SUPPLY CONNECTORS	40
WASHERS, O-RINGS, GASKETS	41
OTHER LAV/SINK REPAIR ACCESSORIES	43

PLUMBING



920-2W



921-6W



922-5W

GAS

TOOLS

APPENDIX

Trim Tite™

Shallow Escutcheon

- Corrosion proof. Will never rust or pit
- Will not come loose. Molded-in “memory” retains a permanent grip on pipe or tube
- Will not scratch the tube and disrupt compression connections
- Low cost and attractive appliance white color makes the Trim Tite an excellent substitution for chrome-plated or stainless steel escutcheons
- IPS sizes available for steel, PVC and ABS Sch. 40
- 1" CTS and 1" through 2" IPS sizes have deluxe 3½" O.D.

Deep Tubular Escutcheon

- 3" deep, extra wide 4" base
- Perfect for pedestal lavatory installations
- Perfect for covering waste-arm adapters



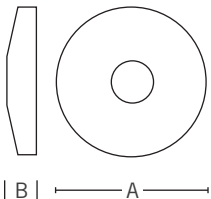
No more rust, corrosion or pitting.



Give all your stub outs the professional look of the Trim Tite.



Covers most wall openings. Perfect for pedestal lavatory installations.



Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
ESCUTCHEON						
920-1W	¾" CTS	2½"	⅜"	B	50	500
920-2W	½" CTS	2½"	⅜"	B	25	250
920-2WPK2	½" CTS, 2/bag	2½"	⅜"	C*	10	10
920-3W	¾" CTS	2½"	⅜"	B	25	250
920-3WPK2	¾" CTS, 2/bag	2½"	⅜"	C*	10	10
920-4W	1" CTS	3½"	⅜"	B	20	100
920-4WPK2	1" CTS, 2/bag	3½"	⅜"	C*	10	10
921-2W	½" IPS	2½"	½"	B	50	500
921-2WPK2	½" IPS, 2/bag	2½"	½"	C*	10	10
921-3W	¾" IPS	2½"	½"	B	50	500
921-3WPK2	¾" IPS, 2/bag	2½"	½"	C*	10	10
921-4W	1" IPS	3½"	⅜"	B	20	100
921-4WPK2	1" IPS, 2/bag	3½"	⅜"	C*	10	10
921-6W	1½" IPS	3½"	⅜"	B	20	100
921-6WPK2	1½" IPS, 1/bag	3½"	⅜"	C*	10	10
921-7W	2" IPS	3½"	⅜"	B	20	100
921-7WPK2	2" IPS, 1/bag	3½"	⅜"	C*	10	10
DEEP ESCUTCHEON						
922-5W	1¼" tubular	4"	3"	B	25	25
922-5WPK2	1¼" tubular	4"	3"	C*	10	10
922-6W	1½" tubular	4"	3"	B	25	25
922-6WPK2	1½" tubular	4"	3"	C*	10	10

Snap One™ Floor and Ceiling Plate

- Available in white or chrome-plated polypropylene
- Split for pre-piped jobs
- 100% rust proof

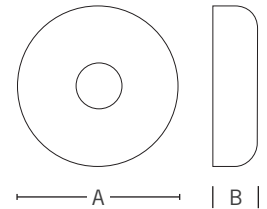
Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
CHROME-PLATED ABS						
926-2	½" CTS	2½"	¾"	B	12	120
926-2PK2	½" CTS, 1/bag	2½"	¾"	C*	12	12
926-3	¾" CTS	2¾"	¾"	B	12	120
926-3PK2	¾" CTS, 1/bag	2¾"	¾"	C*	12	12
926-4	1" CTS	3"	¾"	B	12	120
926-4PK2	1" CTS, 1/bag	3"	¾"	C*	12	12
927-2	½" IPS	2¾"	¾"	B	12	120
927-2PK2	½" IPS, 1/bag	2¾"	¾"	C*	12	12
927-3	¾" IPS	3"	¾"	B	12	120
927-3PK2	¾" IPS, 1/bag	3"	¾"	C*	12	12
927-4	1" IPS	3¾"	¾"	B	12	120
927-4PK2	1" IPS, 1/bag	3¾"	¾"	C*	12	12
927-5PK2	1¼" IPS, 1/bag	3¾"	¾"	C*	12	12
927-6	1½" IPS	3¾"	¾"	B	12	120
927-6PK2	1½" IPS, 1/bag	3¾"	¾"	C*	12	12
927-7	2" IPS	4¾"	¾"	B	12	120
927-7PK2	2" IPS, 1/bag	4¾"	¾"	C*	12	12
WHITE ABS						
926-2W	½" CTS	2½"	¾"	B	12	120
926-3W	¾" CTS	2¾"	¾"	B	12	120
926-4W	1" CTS	3"	¾"	B	12	120
927-2W	½" IPS	2¾"	¾"	B	12	120
927-3W	¾" IPS	3"	¾"	B	12	120
927-4W	1" IPS	3¾"	¾"	B	12	120
927-6W	1½" IPS	3¾"	¾"	B	12	120
927-7W	2" IPS	4¾"	¾"	B	12	120
927-8W	3" IPS	4¾"	¾"	B	12	120



926-2



926-2W



PLUMBING

GAS

TOOLS

APPENDIX

Shallow Escutcheon

- Chrome-plated Steel
- Sure grip fit

Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
910-2	½" CTS	2½"	¾"	B	25	250
910-2PK2	½" CTS, 2/bag	2½"	¾"	C*	10	10
910-3	¾" CTS	2½"	½"	B	25	250
910-3PK2	¾" CTS, 2/bag	2½"	½"	C*	10	10
911-2	½" IPS	2½"	½"	B	25	250
911-2PK2	½" IPS, 2/bag	2½"	½"	C*	10	10
911-3	¾" IPS	2½"	½"	B	25	250
911-3PK2	¾" IPS, 2/bag	2½"	½"	C*	10	10
911-4	1" IPS	2 ¹³ / ₁₆ "	½"	B	25	250
911-4PK2	1" IPS, 2/bag	2 ¹³ / ₁₆ "	½"	C*	10	10
911-6	1½" IPS (Sch. 40 DWV)	3"	½"	B	25	250
911-6PK2	1½" IPS (Sch. 40 DWV), 1/bag	3"	½"	C*	10	10
911-6D	1½" IPS (Sch. 40 DWV)	3½"	¾"	B	25	250
911-7	2" IPS (Sch. 40 DWV)	3½"	¾"	B	25	250
911-7PK2	2" IPS (Sch. 40 DWV), 1/bag	3½"	¾"	C*	10	10



910-2



PLUMBING



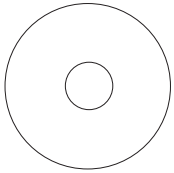
916-2

Floor & Ceiling Plate

- Chrome-plated steel
- Split for pre-piped jobs

GAS

TOOLS



A

APPENDIX

Item No	Description	Dia. A	Pkg	Min Qty	Case Qty
916-2	1/2" CTS	2 3/8"	B	12	120
916-2PK2	1/2" CTS, 1/bag	2 3/8"	C*	12	12
916-3	3/4" CTS	2 3/8"	B	12	120
916-3PK2	3/4" CTS, 1/bag	2 3/8"	C*	12	12
916-4	1" CTS	2 3/8"	B	12	120
916-4PK2	1" CTS, 1/bag	2 3/8"	C*	12	12
917-2	1/2" IPS	2 3/8"	B	12	120
917-2PK2	1/2" IPS, 1/bag	2 3/8"	C*	12	12
917-3	3/4" IPS	2 3/8"	B	12	120
917-3PK2	3/4" IPS, 1/bag	2 3/8"	C*	12	12
917-4	1" IPS	3 5/8"	B	12	120
917-4PK2	1" IPS, 1/bag	3 5/8"	C*	12	12
917-6	1 1/2" IPS	3 5/8"	B	12	120
917-6PK2	1 1/2" IPS, 1/bag	3 5/8"	C*	12	12



TH648QB220A



TH648QBD220A



TH648QB220S

Fit Quick Quarter-Turn Stop Valve

- Chrome plated
- Valves tested to 200 PSI at 200°F
- 1/4-turn ball valve operation

Individually bagged with tube stiffeners



Item No	Description	Pkg	Min Qty	Case Qty
TH648QB220A	1/2" Push-Fit x 3/8" O.D. angle stop	C*	12	12
TH648QB220S	1/2" Push-Fit x 3/8" O.D. straight stop	C*	12	12
TH648QBD220A	1/2" Push-Fit x 3/8" O.D. dual angle stop	C*	12	12



PDQ™ Sillcock

➤➤ Removeable/Replaceable
Push Fit Connection



INSTALLATION INSTRUCTIONS

- Works with all 1/2" CTS Tubing

1. Be sure the stub out is bracketed securely behind the wall. Use a StainlessStar (#612-2S) if necessary to prevent backward movement.
2. After outside wall finish, use sillcock body to measure/mark stubout. Carefully cut, deburr and clean stubout where marked.
3. Place removal ring over stubout with slots toward wall surface. Push sillcock on and push back against wall surface. Align sillcock spout to desired position. Fasten sillcock to the wall with screws. Tighten set screw.

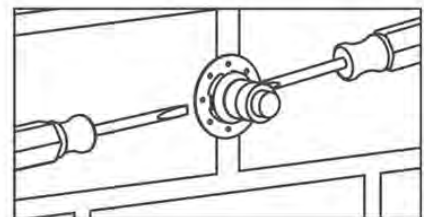
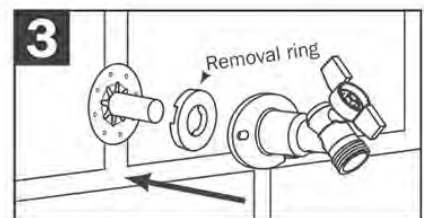
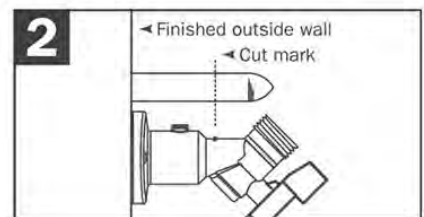
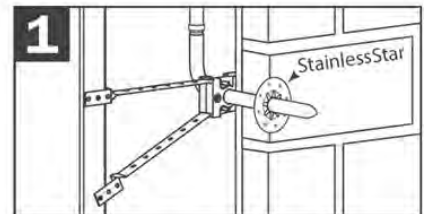
IMPORTANT: Test the Installation

To assure the o-ring was not damaged during installation and that all seals are undamaged, turn on water supply to the fixture and check for leaks. Be sure to tighten the set screw before turning on water supply.

REMOVAL

1. Turn off water supply to valve. Open valve to relieve pressure. Loosen set screw and remove flange screws. Pull sillcock to remove.
2. Use two flat-head screw drivers to pry removal ring against push fitting to release.

117Q22



⚠ **WARNING:** Cancer and Reproductive Harm
⚠ **ADVERTENCIA:** Cáncer y Daños Reproductivos
⚠ **ADVERTISSEMENT:** Cancer et effets néfastes sur la reproduction
www.P65Warnings.ca.gov

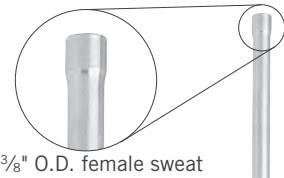


“ After visiting your plant, we have decided to make changes in our operation to start using many of your products. We think that your products and your customer support is an excellent asset to our business. ”

Ross Zacharzuk, President
Precision Plumbing Inc.

Supply Tube Extension Copper – 3/8" O.D. Male Sweat x Female Sweat

- Soft copper tube
- Great for faucet change-outs or supply tube extensions



3/8" O.D. female sweat

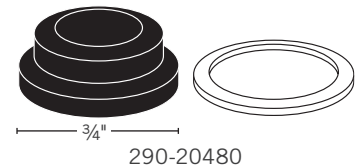
289-20



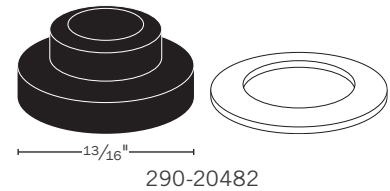
Item No	Length	Description	Pkg	Min Qty	Case Qty
289-12	12"	3/8" O.D. male sweat x female sweat	B	100	100
289-20	20"	3/8" O.D. male sweat x female sweat	B	100	100

Supply Step Washer for Lavatory or Closet

- Deluxe rubber lavatory supply washer with brass friction ring



290-20480



290-20482

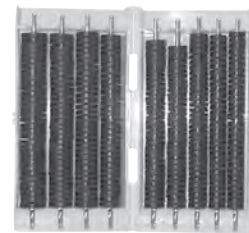
Item No	Description	Pkg	Min Qty	Case Qty
290-20480	Lavatory 3/8" tall	B	50	500
290-20482	Closet 7/16" tall	B	50	500

SBR Bibb Washer Flat

- SBR (synthetic blended rubber)
- Includes 150 assorted washers with six 10-24 bibb screws
- Washer chest includes 270 washers in plastic chest complete with snap-in chrome wire holders

Beveled

- SBR (synthetic blended rubber)
- Includes 150 assorted washers with six 10-24 bibb screws
- Washer chest includes 170 washers in plastic chest complete with snap-in chrome wire holders



291-30126



291-30125



291-30226



291-30225

Item No	Description	Pkg	Min Qty	Case Qty
FLAT WASHER				
291-30125	SBR flat bibb washer kit	B*	1	10
291-30126	SBR flat bibb washer chest	B*	1	10
BEVELED WASHER				
291-30225	SBR beveled bibb washer kit	B*	1	10
291-30226	SBR beveled bibb washer chest	B*	1	10

PLUMBING

GAS

TOOLS

APPENDIX

Buna-N O-Ring

- Kit includes 150 assorted o-rings in a 12-compartment plastic box



291-30380

Item No	Description	Pkg	Min Qty	Case Qty
291-30380	Buna-N o-ring kit	B*	1	10

Hose Washer

- Standard rubber hose washer



291-30500

Item No	Description	Pkg	Min Qty	Case Qty
291-30500	Washer	B	12	240

Aerators

Faucet

- Chrome-plated brass
- 2.2 GPM maximum
- Complies with ANSI A112.18.1M




290-21100

Adapter

- Chrome-plated brass



290-21110

Item No	Description	 Pkg	Min Qty	Case Qty
FAUCET AERATORS				
290-21100	Standard combo male/female non-slotted	✓ B	6	48
290-21104	$1\frac{3}{16}$ " × 27 male threaded non-slotted	✓ B	6	48
ADAPTER				
290-21110	Dual thread ($1\frac{5}{16}$ "-27 female thread $5\frac{5}{64}$ " male thread) × $\frac{3}{4}$ " male thread	B	5	250

Kitchen Hose Spray Kit and Accessories

- Universal coupling connection:
1/8" MIP with 1/8" FIP x 1/4" FIP
- Accessories available in black or white



242-10



242-20

Item No	Description	Color	Pkg	Min Qty	Case Qty
242-10	Kit with universal coupling connection	black	B*	1	10
242-20	Plastic hose guide with stainless steel skirt	black	B*	1	100
242-25	Universal spray head only	black	B*	1	10
242-20102	Kit with universal coupling connection	white	B*	1	10
242-20116	Plastic hose guide with stainless steel skirt	white	B*	1	25

Dishwasher Air Gap

- Heavy-duty model has a solid brass chrome-plated cap
- Economy model has a chrome-plated plastic cap
- Inlet 1/2" hose barb; outlet 3/4" hose barb
- Molded polypropylene body, full 3/8" passageway
- Uniquely designed inlet tube and inner cup eliminates spitting/discharge action
- UPC IAPMO Listed



249

249-20135

Item No	Description	Pkg	Min Qty	Case Qty
249	Heavy-duty air gap with chrome-plated brass cap	B	25	25
249-20135	Economy air gap with chrome-plated poly cap	B*	1	10

Faucet Hole Cover

- Available in chrome-plated steel or ABS
- 2" cover includes putty cup
- ABS material will not corrode



961-6



961-7



961-20155

Item No	Description	Pkg	Min Qty	Case Qty
961-6	1 3/4" cover, chrome-plated steel, toggle nut	B	25	25
961-7	2" cover, chrome-plated steel, wing nut	B	25	25
961-20150	2" cover, chrome-plated steel, wing nut	B*	1	25
961-20155	1 3/4" white ABS, o-ring seal, wing nut	B*	1	25
961-20158	1 3/4" bone ABS, o-ring seal, wing nut	B*	1	25



901



902

Dishwasher Drain Connector

Item No	Description	Pkg	Min Qty	Case Qty
901	Black elastomer adapter only – bulk pack	B	100	100
902	Black elastomer adapter with 100% stainless steel hose clamps – slotted/hex screws	B	50	50



905

Dishwasher Drain Hose

- 5/8" connects dishwasher pump to air gap inlet, directly to our Long Branch tailpiece or to a disposal tap-in (with a connector kit)
- 7/8" connects the air gap outlet to branch tailpiece or disposal tap-in
- Maximum Temperature: 225°F at 20 PSI

Related Products

Long Branch Tailpiece p 51



Item No	Description	Pkg	Min Qty	Case Qty
905	5/8" I.D. × 50 ft. coil	B*	1	1
905-PK	5/8" I.D. × 50 ft. (full coils only)	B	1	1
906	7/8" I.D. × 50 ft. coil	B*	1	1
906-PK	7/8" I.D. × 50 ft. (full coils only)	B	1	1



Hose Clamp

- 300 series stainless steel band and housing
- 1/2" wide × 0.025 thick steel band for strength
- Finished edges prevent hose damage



901-10



901-12

Item No	Description	Pkg	Min Qty	Case Qty
901-10	9/16" min – 1 1/16" max	B	10	100
901-12	1 1/16" min – 1 1/4" max	B	10	100
901-16	1 3/16" min – 1 1/2" max	B	10	100
901-20	1 3/16" min – 1 3/4" max	B	10	100
901-24	1 1/16" min – 2" max	B	10	100
901-28	1 5/16" min – 2 1/4" max	B	10	100
901-32	1 9/16" min – 2 1/2" max	B	10	100

Garbage Disposal Replacement Parts



290-20185



290-20180

Item No	Description	Pkg	Min Qty	Case Qty
290-20180	Replacement In-Sink-Erator† drain ell gasket, bagged	B*	5	25
290-20185	7" long poly disposal elbow	B*	1	12

† Not made by original manufacturer, but manufactured to same specifications as original part.

Anti-Siphon Auto Vent

- For secondary venting only. Each drainage system must have a main vent stack
- To be installed in a readily accessible location with free flow of air, never in a sealed wall cavity
- Sealing disc of auto vent must be located at least 6" above the top of the trap arm
- Two fixtures may be drained by a common 1½" drain pipe. Three or more fixtures will require a 2" drain pipe
- ABS material



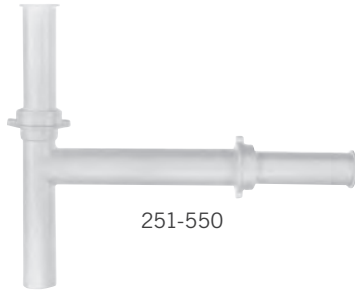
239

Item No	Description	Pkg	Min Qty	Case Qty
239	1½" MIP vent	B	50	50
239PK2	1½" MIP vent, bag	C*	10	10

TUBULAR SPECIALTIES

PLASTIC TUBULAR	48
TAILPIECE WASHERS, NUTS, & ADAPTERS	51
BRASS TUBULAR	54

PLUMBING



251-550

Disposal Waste Kit End Outlet

- Telescopic with baffle tee and 6" sink tailpiece
- Available in white or black polypropylene

Item No	Description	Color	Pkg	Min Qty	Case Qty
251-550	Disposal waste kit	white	B	25	25
251-550B	Disposal waste kit	black	B	25	25

GAS

TOOLS



231-2

Dishwasher Tailpiece

- One piece polypropylene body with baffle

Item No	Dimensions	Tubular Connection	Branch Connection	Color	Pkg	Min Qty	Case Qty
231-2	1½" × 8"	direct	½" hose barb	white	B	25	25
231-3	1½" × 8"	direct	¾" hose barb	white	B	25	25
232-2	1½" × 8"	slip joint	½" hose barb	white	B	25	25
232-3	1½" × 8"	slip joint	¾" hose barb	white	B	25	25
232-3B	1½" × 8"	slip joint	¾" hose barb	black	B	25	25

APPENDIX



234-2

Traps

S Traps

- 1½" tube body × 18" long
- Tubular polypropylene
- Wing nuts and washers included

P Traps

- Tubular polypropylene
- Wing nuts and washers included



234-10

Item No	Size	Description	Color	Pkg	Min Qty	Case Qty
S TRAPS						
234-2	1½"	PVC adapter, slip joint connection	white	B	25	25
P TRAPS						
234-5	1¼"	P trap	white	B	25	25
234-5B	1¼"	P trap	black	B	25	25
234-10	1½"	P trap with trap adapter	white	B	25	25
234-10B	1½"	P trap with trap adapter	black	B	25	25

End Outlet Waste

Direct Connect

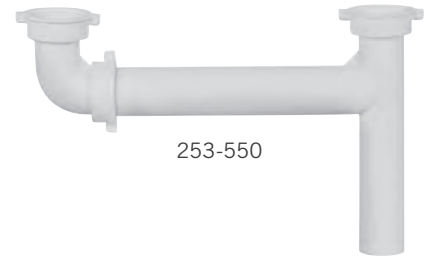
- Telescopic 12" to 16" with baffle tee
- Available in white or black polypropylene

Universal

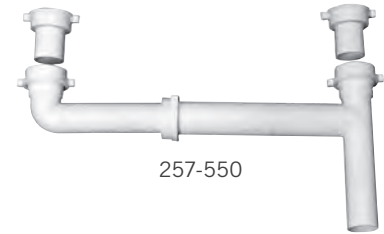
- Telescopic 12" to 16" with baffle tee
- Slip joint with two direct connect adapters
- Available in white or black polypropylene

Wye Branch – Direct Connect

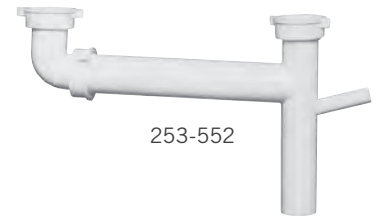
- Telescopic 12" to 16" with baffle tee
- 1/2" or 3/4" "Y" branch connection
- Available in white or black polypropylene



253-550



257-550



253-552

Item No	Color	"Y" Size	Pkg	Min Qty	Case Qty
DIRECT CONNECT					
253-550	White	—	B	25	25
253-550B	Black	—	B	25	25
UNIVERSAL					
257-550	White	—	B	25	25
257-550B	Black	—	B	25	25
WYE BRANCH – DIRECT CONNECT					
253-552	White	1/2"	B	15	15
253-552B	Black	1/2"	B	15	15
253-553	White	3/4"	B	15	15

Center Outlet Waste

Universal

- 16" baffle tee
- Slip joint with two direct connect adapters
- White polypropylene



258-160

Item No	Description	Pkg	Min Qty	Case Qty
258-160	Universal center outlet waste	B	25	25

PLUMBING

GAS

TOOLS

APPENDIX

Poly Sink Tailpiece

Single Flange or Double Flanged

- Available in white or black polypropylene



230-160



230-060

Item No	Dimensions	Color	Pkg	Min Qty	Case Qty
230-040	1½" x 4" flanged one end	white	B	25	25
230-040B	1½" x 4" flanged one end	black	B	25	25
230-060	1½" x 6" flanged one end	white	B	25	25
230-080	1½" x 8" flanged one end	white	B	25	25
230-120	1½" x 12" flanged one end	white	B	25	25
230-160	1½" x 16" double flanged	white	B	25	25
230-160B	1½" x 16" double flanged	black	B	25	25

Extension Tube

Slip Joint or Solvent Weld

- Available in white or black polypropylene and white PVC



236-160



238-160

Item No	Dimensions	Connection	Material	Pkg	Min Qty	Case Qty
236-060	1½" x 6"	slip joint	white polypro	B	25	25
236-080	1½" x 8"	slip joint	white polypro	B	25	25
236-120	1½" x 12"	slip joint	white polypro	B	25	25
236-160	1½" x 16"	double slip joint	white polypro	B	25	25
236-160B	1½" x 16"	double slip joint	black polypro	B	25	25
238-120	1½" x 12"	solvent weld	white PVC	B	25	25
238-160	1½" x 16"	double solvent weld	white PVC	B	25	25

Slip Nut

- Rough Brass
- Chrome-Plated Brass
- Chrome-Plated Zinc
- White Poly

Item No	Size	Material	Finish	Pkg	Min Qty	Case Qty
980-5	1¼" × 1¼"	solid brass	chrome plated	B	100	100
980-6	1½" × 1½"	solid brass	chrome plated	B	100	100
980-8	1½" × 1¼"	solid brass	chrome plated	B	100	100
981-5	1¼" × 1¼"	solid brass	rough brass	B	100	100
981-6	1½" × 1½"	solid brass	rough brass	B	100	100
985-5	1¼" × 1¼"	zinc	chrome plated	B	100	100
985-6	1½" × 1½"	zinc	chrome plated	B	100	100
985-8	1½" × 1¼"	zinc	chrome plated	B	100	100
986-6	1½" × 1½"	zinc	brass plated	B	100	100
988-6	1½" × 1½"	polypro	white	B	100	100



980-5



985-5



988-6

Tailpiece & Slip Washer

- Cloth-Inserted Rubber
- Rubber
- Polyethylene

Item No	Description	Material	Pkg	Min Qty	Case Qty
990-7	1½" cloth-inserted tailpiece washer	C.I. rubber	B	100	1000
991-6	1½" flanged tailpiece washer	poly	B	100	1000
995-5	1¼" × 1¼" slip washer	rubber	B	100	1000
995-6	1½" × 1½" slip washer	rubber	B	100	1000
995-8	1½" × 1¼" slip washer	rubber	B	100	1000
996-6	1½" × 1½" slip washer, beveled	poly	B	100	1000
996-8	1½" × 1¼" slip washer, beveled	poly	B	100	1000
JOB PACK					
990-20385	1½" cloth-inserted tailpiece washer, job pack	C.I. rubber	B	25	300
995-20320	1¼" square-cut slip washer, job pack	rubber	B	25	200
995-20330	1½" square-cut slip washer, job pack	rubber	B	25	200
995-20335	1½" × 1¼" square-cut slip washer, job pack	rubber	B	25	200
995-20340	2" square-cut slip washer, job pack	rubber	B	25	200



995-6



990-7



996-6



991-6

PLUMBING



290-20300



290-20310



290-20313



290-20380

GAS

TOOLS

APPENDIX

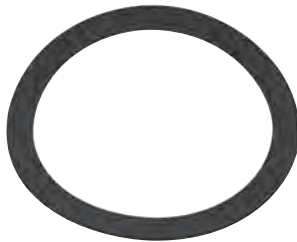
Drip-Free™ Washer Slip Joint Washer Combo Washer Tailpiece Washer

- Beveled design provides a better seal when used with standard slip nut
- Perfect washer for basket strainer installations

Item No	Description	Material	Color	Pkg	Min Qty	Case Qty
SLIP JOINT WASHERS						
290-20300	1¼" washer	soft PVC	white	B	25	300
290-20301	1¼" washer	soft PVC	white	B	100	1000
290-20310	1½" washer	soft PVC	black	B	25	300
290-20311	1½" washer	soft PVC	black	B	100	1000
COMBO WASHERS						
290-20313	1½" × 1¼" reducing slip joint washer	thermoplastic rubber	—	B	50	500
TAILPIECE WASHERS						
290-20380	1½" washer	urethane	—	B	25	300
290-20381	1½" washer	urethane	—	B	100	1000

No-Putty Gasket™

- Replaces plumbers putty, won't dry out, stain or smudge
- Self adhesive eliminates mess
- Creates a tight seal on all finishes and materials
- Fits all standard drain attachments
- Stands up to the toughest commercial cleaners
- Allows you to pre-fab fixtures



290-20320



290-20322



290-20324

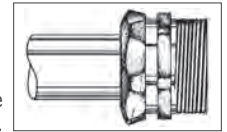
Item No	Description	Pkg	Min Qty	Case Qty
290-20320	4¼" O.D. × 3⅜" I.D. gasket for kitchen basket strainer	B	100	1000
290-20322	2" O.D. × 1½" I.D. gasket for lavatory drain, kitchen spray hose guide	B	100	1000
290-20324	2¾" O.D. × 2" I.D. gasket for laundry sink, bar sink, tub drain	B	100	1000
290-20320PK2	4¼" O.D. × 3⅜" I.D. gasket for kitchen basket strainer 4/bag, 12 bar-coded bags/box	C*	1	12
290-20322PK2	2" O.D. × 1½" I.D. gasket for lavatory drain, kitchen spray hose guide, 4/bag, 12 bar-coded bags/box	C*	1	12
290-20324PK2	2¾" O.D. × 2" I.D. gasket for laundry sink, bar sink, tub drain, 4/bag, 12 bar-coded bags/box	C*	1	12

Brass DWV Connector Desanco Fitting

- Solid brass body and nut
- Male and female connections



Item No	Description	Pkg	Min Qty	Case Qty
270-6	1½" tube × 1½" MIP connection—with brass ferrule	B	25	25
272-6	1½" tube × 1½" FIP connection—with brass ferrule	B	25	25



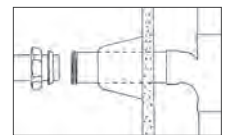
Connects tubular pipe to drainage pipe.

DWV Slip Joint Adapter Brass Marvel Thread

- Sweat on to copper DWV pipe to make slip joint connections



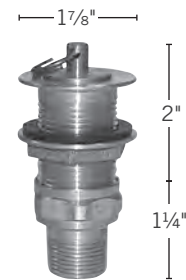
Item No	Description	Pkg	Min Qty	Case Qty
274-5	1¼" female sweat × 1¼" slip joint thread	B	10	100
274-6	1½" female sweat × 1½" slip joint thread	B	10	100
274-7	2" female sweat × 2" slip joint thread	B	10	100



Slip joint thread for copper DWV pipe.

Industrial Sink Plug

- All brass industrial sink plug complete as shown with 1" tailpiece and brass stopper

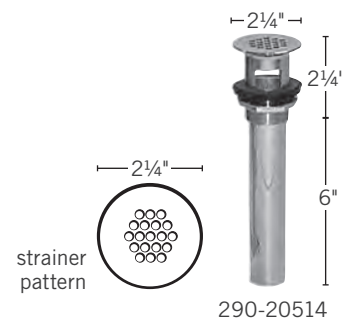


290-20200

Item No	Description	Pkg	Min Qty	Case Qty
290-20200	Brass sink plug with 1" tailpiece and brass stopper	B*	1	10

Lavatory Drain

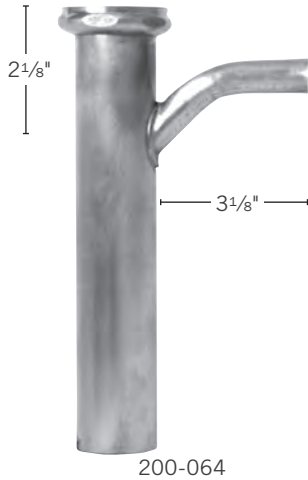
- Comes standard with brass nut and grid strainer
- 17 gauge brass tailpiece



290-20514

Item No	Description	Pkg	Min Qty	Case Qty
290-20514	6" tailpiece with grid strainer and brass lock nut	B*	1	12

PLUMBING



200-064

Long Branch™ Dishwasher Tailpiece

- Downward inlet eliminates splash up
- Faster installation – fewer pieces
- Long 1/2" nominal copper branch provides work space for easy sweat or hose clamp connection
- No connector kits needed
- Quality copper and brass construction



GAS

TOOLS

APPENDIX



204-068



206-064

Item No	Dimensions	Gauge	Nut Type	Branch Connection	Finish	Pkg	Min Qty	Case Qty
DIRECT CONNECTION								
200-062	1 1/2" x 6"	22	Zinc die cast	1/2" CTS	unfinished	B	25	25
200-064	1 1/2" x 6"	22	Solid brass	1/2" CTS	unfinished	B	25	25
200-066	1 1/2" x 6"	22	Solid brass	1/2" CTS	chrome plated	B	25	25
200-082	1 1/2" x 8"	22	Zinc die cast	1/2" CTS	unfinished	B	25	25
200-084	1 1/2" x 8"	22	Solid brass	1/2" CTS	unfinished	B	25	25
200-122	1 1/2" x 12"	22	Zinc die cast	1/2" CTS	unfinished	B	25	25
200-124	1 1/2" x 12"	22	Solid brass	1/2" CTS	unfinished	B	25	25
FINE THREAD CONNECTION								
204-068	1 1/2" x 6"	20	—	1/2" CTS	chrome plated	B	25	25
SLIP JOINT CONNECTION								
206-064	1 1/2" x 6"	22	Solid brass	1/2" CTS	unfinished	B	25	25
206-066	1 1/2" x 6"	22	Solid brass	1/2" CTS	chrome plated	B	25	25
206-084	1 1/2" x 8"	22	Solid brass	1/2" CTS	unfinished	B	25	25

Dishwasher Tailpiece

- 1½" tube body – 22 gauge brass
- 7/8" O.D. copper branch

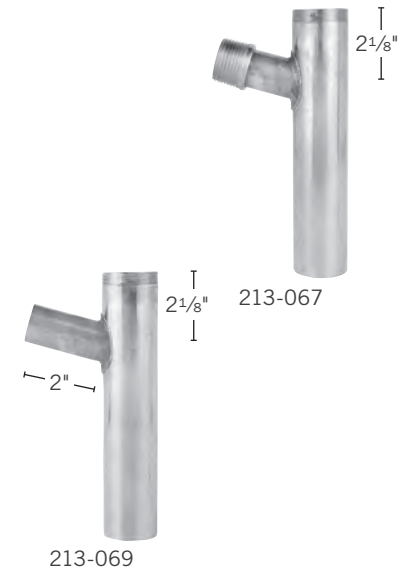
Item No	Dimensions	Nut Type	Branch Connection	Finish	Pkg	Min Qty	Case Qty
DIRECT CONNECT							
210-064	1½" × 6"	Solid brass	7/8" O.D.	Unfinished	B	25	25
210-066	1½" × 6"	Solid brass	7/8" O.D.	Chrome plated	B	25	25
210-084	1½" × 8"	Solid brass	7/8" O.D.	Unfinished	B	25	25
210-086	1½" × 8"	Solid brass	7/8" O.D.	Chrome plated	B	25	25
210-122	1½" × 12"	Zinc die cast	7/8" O.D.	Unfinished	B	25	25
SLIP JOINT CONNECTION							
216-084	1½" × 8"	Solid brass	7/8" O.D.	Unfinished	B	25	25
216-086	1½" × 8"	Solid brass	7/8" O.D.	Chrome plated	B	25	25



Major Tee™ Brass Condensate Tailpiece

- 1¼" tube body – 20 gauge
- Branch is higher than standard tailpieces – keeps drain line high and out of sight
- Improves looks and adds storage space
- Eliminates extension tailpiece

Item No	Dimensions	Tubular Connection	Branch Connection	Finish	Pkg	Min Qty	Case Qty
213-067	1¼" × 6"	Fine thread	¾" MIPv	Unfinished	B	25	25
213-069	1¼" × 6"	Fine thread	7/8" O.D.	Unfinished	B	25	25



Lavatory Branch Tailpiece

- For condensate drain
- 1¼" tubular brass body
- 7/8" O.D. copper branch

Item No	Dimensions	Gauge	Tubular Connection	Finish	Pkg	Min Qty	Case Qty
213-060	1¼" × 6"	20	Fine thread	Unfinished	B	25	25
213-061	1¼" × 6"	20	Fine thread × fine thread	Unfinished	B	25	25
213-068	1¼" × 6"	20	Fine thread	Chrome plated	B	25	25
215-064	1¼" × 6"	22	Slip joint	Unfinished	B	25	25
215-066	1¼" × 6"	22	Slip joint	Chrome plated	B	25	25



PLUMBING

GAS

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220-168

Brass Sink Tailpiece Single or Double Flange

- 22 gauge
- 1½" tube body

Item No	Dimensions	Finish	Pkg	Min Qty	Case Qty
220-040	1½" × 4"	Unfinished	B	50	50
220-048	1½" × 4"	Chrome	B	48	48
220-068	1½" × 6"	Chrome	B	24	24
220-088	1½" × 8"	Chrome	B	24	24
220-120	1½" × 12"	Unfinished	B	25	25
220-128	1½" × 12"	Chrome	B	24	24
220-168	1½" × 12" – double flange	Chrome	B	24	24



223-128

Brass Threaded Tube–T.B.E.

- 20 gauge
- Fine threads on both ends

Item No	Dimensions	Finish	Pkg	Min Qty	Case Qty
223-128	1¼" × 12"	Satin	B	24	24
224-128	1½" × 12"	Satin	B	24	24

GAS SPECIALTY

61 LOG LIGHTER PRODUCTS



LOG LIGHTER PRODUCTS

HEARTHMASTER™ & ACCESSORIES 63

GAS BALL VALVE 67

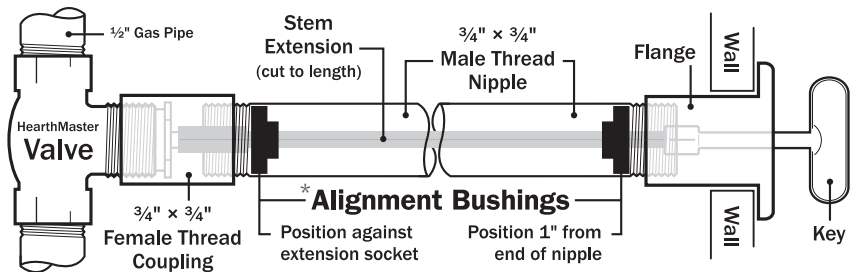
GAS OX BOX™ 67



Important Note

Gas Valve Deep Set Installations

- Alignment bushings are REQUIRED* for installations where valve is set in the wall, and flange is not directly connected to the valve.
- Measure distance from male threads of the valve to finished wall (or where finished wall will be) and subtract 1/2". This distance will determine the length of the 3/4" male thread steel pipe nipple (not included).
- Install a 3/4" female thread steel coupling (not included) on to one end of male thread steel pipe nipple. Install coupling on the male threads of the valve. Slide the 2 alignment bushings over the male (non-socket) end of the stem extension. Position one bushing against socket of stem extension, and the other bushing 1" from end of pipe nipple.
- If necessary, cut the stem extension flush with the end of the male thread steel pipe nipple. After wall is finished, insert the flange through the wall and thread on to pipe nipple. Tighten flange to the wall.
- Alignment bushings are included with all Sioux Chief stem extensions.



Temperature Ratings of HearthMaster Log Lighter Valves:

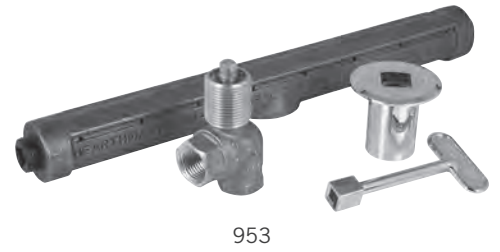
Minimum: 32°F / 0°C

Maximum: 125°F / 51.6°C

HearthMaster™

Log Lighter Kits

- Angle and straight ball valve kits
- Log lighter bar, valve, flange and key – everything you need for installation in one convenient box
- Quarter-turn style ball valves
- Log lighter bars available in two or three FIP inlets
- Each chrome-plated component is individually bagged
- Our kits can be customized to fit the specific needs of most any job
- Log lighter bar is for NATURAL GAS ONLY



953



PLUMBING

GAS

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Item No	Description	Finish	Pkg	Min Qty	Case Qty
ANGLE BALL VALVE KITS					
953	3 FIP inlets, 16 flame outlets	chrome-plated flange, 3/4" cast zinc key	B*	1	6
953-12	2 FIP inlets, 16 flame outlets	chrome-plated flange, 3/4" cast zinc key	B*	1	6
STRAIGHT BALL VALVE KITS					
955	3 FIP inlets, 16 flame outlets	chrome-plated flange, 3/4" cast zinc key	B*	1	6
955-12	2 FIP inlets, 16 flame outlets	chrome-plated flange, 3/4" cast zinc key	B*	1	6



PLUMBING



940-10



940-10PK1

GAS

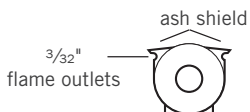
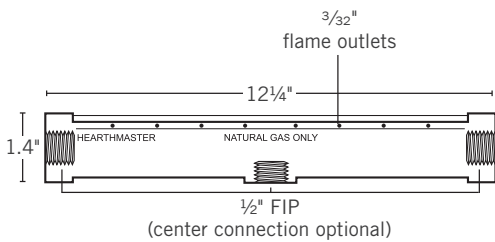
TOOLS

APPENDIX

HearthMaster™

Log Lighter Bar

- 90,000 BTU/hour at ½ PSI (16 outlet model)
- Durable cast iron bars for NATURAL GAS ONLY
- Ash shield prevents ash and other debris from clogging flame outlets. To install upright, be sure the ash shield slopes downward. The words “HEARTHMASTER” and “NATURAL GAS ONLY” will read upright

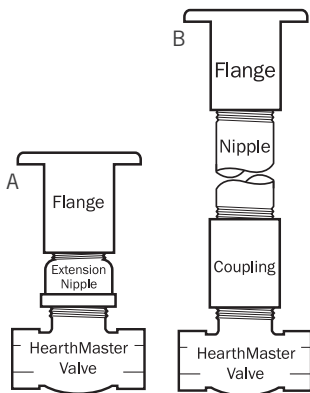


Item No	Description	Pkg	Min Qty	Case Qty
LOG LIGHTER BAR – 3 FIP INLETS				
940-10	16 flame outlets (8 per side)	B	6	6
940-11	8 flame outlets (one side)	B	6	6
940-10PK1	16 flame outlets (8 per side)	C*	1	10
LOG LIGHTER BAR – 2 FIP INLETS				
940-12	16 flame outlets (8 per side)	B	6	6
940-13	8 flame outlets (one side)	B	6	6

HearthMaster™

Gas Ball Valve

- ¼-turn angle or ¼-turn straight ball valves
- Cast brass bodies with P.T.F.E. seats
- Available in bulk or with flange and key included
- ½" FIP × ½" FIP with ¾" NPSM flange thread
952: 150,000 BTU/hr @ ½ PSI
954: 350,000 BTU/hr @ ½ PSI
- For use with both natural gas and LP gas
- Manufactured in compliance with ANSI Z21.15b-2006

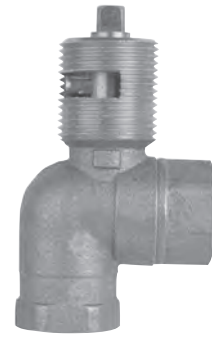


When valve-to-flange connections need extending, use our 948-EX extension piece (A), or for custom extensions, use a ¾" IPS coupling and nipple (B).

Temperature Ratings of HearthMaster Log Lighter Valves:

Minimum: 32°F / 0°C

Maximum: 125°F / 51.6°C



952



954



954-PK1

Item No	Description	Pkg	Min Qty	Case Qty
ANGLE BALL VALVE				
952	Bagged kit: valve, chrome-plated flange, 949 key	B	1	24
952-P	Bagged kit: valve, polished brass flange, 949-P key	B	1	6
952-V	Bulk: angle ball valve only	B	1	12
952-PK1	Kit: valve, chrome-plated flange, 949 key	C*	1	6
952-PPK1	Kit: valve, polished brass flange, 949-P key	C*	1	6
STRAIGHT BALL VALVE				
954	Bagged kit: valve, chrome-plated flange, 949 key	B	1	24
954-P	Bagged kit: valve, polished brass flange, 949-P key	B	1	6
954-V	Bulk: straight ball valve only	B	1	12
954-PK1	Kit: valve, chrome-plated flange, 949 key	C*	1	6
954-PPK1	Kit: valve, polished brass flange, 949-P key	C*	1	6



PLUMBING

GAS

TOOLS

APPENDIX



948



949-F



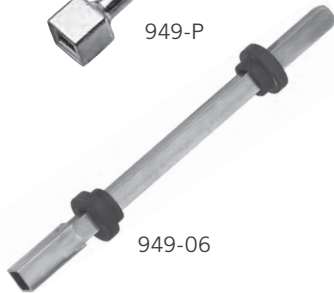
948-EX



949-K09



949-P



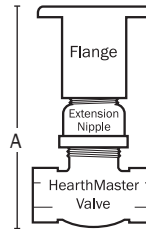
949-06

HearthMaster™

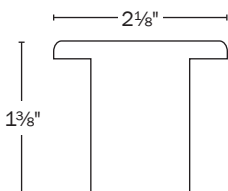
Log Lighter Accessories

- Flanges available in chrome-plated or polished brass finish
- Keys available with polished brass or zinc-coated finish
- Longer keys and stem extensions available for applications when the valve must be installed too deep in the wall or floor for standard keys

948-EX (PVC) extension is perfect when valve/flange connections need to be extended. Extends (A) to between 5⁵/₈" and 6³/₁₆".



Adapter/key combo tool enables fast, easy installation or replacement of flanges without scratching.



Item No	Description	Pkg	Min Qty	Case Qty
FLANGE				
948	Chrome plated	B	12	12
948-P	Polished brass	B	1	12
948-EX	Flange extension: 3/4" FIP x 3/4" MIP x 1.58" long, PVC	B	12	120
949-F	Flange Installation Tool, includes key	B	1	25
948PK2	Chrome plated, 1/bag	C*	10	10
948-PPK2	Polished brass, 1/bag	C*	1	10
KEY				
949	5/16" x 1/4" dual socket, 3 3/4" long, chrome	B	12	120
949-P	5/16" x 1/4" dual socket, 3 3/4" long, polished brass	B	1	12
949-K09	5/16" x 1/4" dual socket, 9 1/2" long, cast zinc	B	1	1
949-K09P	5/16" x 1/4" dual socket, 9 1/2" long, polished brass	B	1	1
949-K12	5/16" x 1/4" dual socket, 12" long, cast zinc	B	1	1
949-CP	5/16" socket, 2 7/8" long, chrome, 1/bag	B*	12	120
949-1PK2	1/4" socket, 2 7/8" long, cast zinc, 1/bag	C*	1	10
949PK2	5/16" socket, 2 7/8" long, cast zinc, 1/bag	C*	1	10
949-PPK2	5/16" socket, 2 7/8" long, polished brass, 1/bag	C*	1	10
949-K09PK2	5/16" socket, 9 1/2" long, cast zinc, 1/bag	C*	1	10
949-K12PK2	5/16" socket, 12" long, cast zinc, 1/bag	C*	1	10
STAINLESS STEEL STEM EXTENSION				
949-06	5/16" socket, 6" long, with alignment bushings	B	1	10
949-10	5/16" socket, 10" long, with alignment bushings	B	1	50
949-12	5/16" socket, 12" long, with alignment bushings	B	1	50
949-21	5/16" socket, 21" long, with alignment bushings	B	1	50
949-12PK2	5/16" socket, 12" long, 1/bag	C*	1	10

Gas Ball Valve

- Solid brass body
- Teflon® packing and seats
- Complies with ANSI Z21.15 manual valve and AGA 3-88
- ¼-turn valve



108-13

Item No	Description	Pkg	Min Qty	Case Qty
108-12	½" FIP gas ball valve	B	12	144
108-12PK	½" FIP gas ball valve	C*	12	12
108-13	¾" FIP gas ball valve	B	12	72
108-13PK	¾" FIP gas ball valve	C*	12	12
108-14	1" FIP gas ball valve	B	6	60



Excludes
1" model

Ox Box™

Gas Valve Outlet Box & Fire-Rated Gas Valve Outlet Box

Patent #7,360,553 & #7,735,511

- ¼-turn ball valve for easy, secure, accessible operation
- Box is available for ½" or ¾" iron-pipe applications or ½" CSST applications in both standard and fire-rated products
- Recessed box is made of high-impact ABS, providing the strongest finished installation for all gas appliance needs
- Valve has CSA certification to ANSI Z21.15-1997 / CGA 9.1-M97

Item No.	Connection	Pkg	Min. Qty	Case Qty
GAS OX BOX				
696-1021GF	½" NPT valve and adapter for iron pipe, bagged	B	6	6
696-1031GF	¾" NPT valve and adapter for iron pipe, bagged	B	6	6
696-1020GF	½" FIP valve for CSST connection, bagged	B	6	6
FIRE-RATED GAS OX BOX				
696R1021GF	½" NPT valve and adapter for iron pipe, bagged	B	6	6
696R1031GF	¾" NPT valve and adapter for iron pipe, bagged	B	6	6
696R1020GF	½" FIP valve for CSST connection, bagged	B	6	6
OX BOX ACCESSORIES				
696-EX	Frame extension	B	10	10
696-SC	Solid frame insert	B	10	10



696-1031GF



696-1020GF



696-EX



696-SC

Packaging Codes || B: bulk

TOOLS

- 71 POWERPEX™ TOOLS
- 77 CUTTING DEVICES
- 83 BRUSHES & ABRASIVES
- 87 WRENCHES
- 91 OTHER TOOLS & ACCESSORIES



PowerPEX™ TOOLS

F1807 & F2159 72

F2080 74

FIT QUICK™ 76

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TOOLS

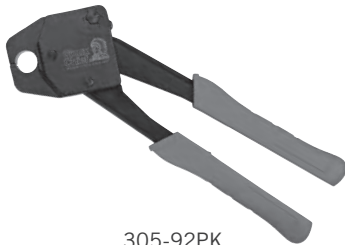
APPENDIX



305-40



305-23CPK



305-92PK



305-100PK1



305-95



305-41CKIT



PowerPEX™ Crimp Tools

Complete Line of F1807 Crimp Tool Options

- Steel or Composite handles
- Composite handles are strong and durable, yet lightweight
- Compact tools allow one-hand crimping
- Combo tool for the most common crimp connections and added cost savings
- Free Go/No-Go gauge provided with every model
- Also work on PB 1380 tube and fittings

Item No	Description	Length	Pkg	Min Qty	Case Qty
COMPOSITE HANDLE					
NEW 305-20CPK	1/2"	14"	B*	1	10
NEW 305-30CPK	3/4"	14"	B*	1	10
305-23CPK	1/2" over 3/4" combo	14"	B*	1	10
305-40CPK	1"	14"	B*	1	10
COMPOSITE HANDLE KIT					
NEW 305-41CKIT	3/8", 1/2", 3/4" & 1"	16"	B*	1	10
COMPACT OFFSET WITH STEEL HANDLE					
305-91PK	3/8" with carrying case	11"	B*	1	12
305-92PK	1/2" with carrying case	11"	B*	1	10
305-93PK	3/4" with carrying case	11.5"	B*	1	10
MULTI-SIZE BLOCK STYLE					
305-100PK1	3/8"-1" economical model	—	C*	1	10
GO/NO-GO GAUGE					
305-95	Gauge 3/8", 1/2", 3/4" & 1"	—	C*	12	12

PowerPEX™ Crimp Ring Removal Tool F1807 PEX Tool

- Two cuts on copper ring allows user to reclaim fitting
- Cutting blade only penetrates the copper ring and pipe
- Suitable for use on ½" through 1" PEX pipe sizes
- Allows fitting recovery without damaging the sealing surfaces of the fitting
- Do not use on Copper F1807 PEX or AccuCrimp fittings



305-99

Item No	Description	Pkg	Min Qty	Case Qty
305-99	Crimp ring removal tool	B*	1	10

PowerPEX™ V-Sleeve™ Stainless Steel PEX Compression Tools

Patent Pending

- Exclusively for installing Sioux Chief's V-Sleeve stainless steel PEX compression system
- Steel handle



Unique jaw design for stainless steel sleeves reduces chances of confusion with common *crimp ring* tools.



305-83TX



305-92TX

Item No	Description	Pkg	Min Qty	Case Qty
305-82TX	½" press tool	B*	1	10
305-83TX	¾" press tool	B*	1	10
305-84TX	1" press tool	B*	1	10
305-85TX	Go/No-Go gauge ½", ¾" & 1"	B*	1	12
305-92TX	½" offset tool	B*	1	10

NEW

PLUMBING



305-A139592-0

NEW PowerPEX™
Expander Tool
F2080 PEX Tool

• Expander heads sold separately

Item No	Description	Pkg	Min Qty	Case Qty
305-A139592-0	F2080 Pipe Expander Tool	B	1	1

GAS



305-A261866-2

NEW PowerPEX™
Expander Head
F2080 PEX Tool



305-A235417-5

Item No	Description	Pkg	Min Qty	Case Qty
305-A261856-1	3/8"	B	1	1
305-A261866-2	1/2"	B	1	1
305-A261886-3	3/4"	B	1	1
305-A261896-4	1"	B	1	1
305-A235417-5	1 1/4"	B	1	1
305-A235427-6	1 1/2" for H2 Tool	B	1	1
305-A235437-7	2" for H2 Tool	B	1	1

TOOLS

APPENDIX



305-A243737

NEW PowerPEX™
Compression Tool
F2080 PEX Tool

• Compression jaw set sold separately

Item No	Description	Pkg	Min Qty	Case Qty
305-A243737	1/2" - 1 1/4"	B	1	1



305-A243787

NEW PowerPEX™
Compression Jaw Set
F2080 PEX Tool

Item No	Description	Pkg	Min Qty	Case Qty
305-A243767	3/8", 1/2", 5/8", 3/4" Jaw (Set), 4-in-1	B	1	1
305-A243787	1" Jaw (Set)	B	1	1
305-A243797	1 1/4" Jaw (Set)	B	1	1
305-A137964	1 1/2" Jaw (Set) for H2 Tool	B	1	1
305-A235497	2" Jaw (Set) for H2 Tool	B	1	1

PowerPEX™

NEW Combo Tool: Compression & Expansion
F2080 PEX Tool

- Expander heads sold separately
- Use to expand 3/8" – 1" PEX tube
- Use to compress 3/8" – 1/2" PEX tube only



305-A243107

Item No	Description	Pkg	Min Qty	Case Qty
305-A243107	3/8" – 1"	B	1	1

PowerPEX™

NEW Tool Kit
F2080 PEX Tool

- Standard Kit:
 - One 305-A139592-0, pipe expander tool
 - One 305-A261866-2, 1/2" expander head
 - One 305-A261886-3, 3/4" expander head
 - One 305-A243107, 1/2" & 3/8" compression/expansion tool
 - One 305-A243737, compression tool
 - One 305-A243767, 4-in-1 compression jaw set
 - One 304-12, pipe cutter
 - One tool box
- Basic Kit:
 - One 305-A139592-0, pipe expander tool
 - One 305-A261866-2, 1/2" expander head
 - One 305-A261886-3, 3/4" expander head
 - One 305-A243737, compression tool
 - One 305-A243767, 4-in-1 compression jaw set
 - One 304-12, pipe cutter
 - One tool box
- Deluxe Kit:
 - One 305-A139592-0, pipe expander tool
 - One 305-A261866-2, 1/2" expander head
 - One 305-A261886-3, 3/4" expander head
 - One 305-A243107, 1/2" & 3/8" compression/expansion tool
 - One 305-A243737, compression tool
 - One 305-A243767, 4-in-1 compression jaw set
 - One 304-12, pipe cutter
 - One tool box
 - One 304-11, ratchet pipe cutter
 - One 305-A261896-4, 1" expander head
 - One 305-A243787, 1" compression Jaw set



305-A261216
Standard



305-A261246
Basic



305-A261256
Deluxe

Item No	Description	Pkg	Min Qty	Case Qty
305-A261216	F2080 Standard Tool Kit	B	1	1
305-A261246	F2080 Basic Tool Kit	B	1	1
305-A261256	F2080 Deluxe Tool Kit	B	1	1

PLUMBING

GAS

TOOLS

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GAS

TOOLS

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305-A235407

NEW PowerPEX™
**H2 Hydraulic Tool and Head
 for Compression & Expansion
 F2080 PEX Tool**

Item No	Description	Pkg	Min Qty	Case Qty
305-A235407	F2080 H2 Hydraulic Tool Kit: 1½" & 2"	B	1	1



305Q4

Fit Quick™ Disconnect Tool

- Quickly and easily disconnects push fittings
- 1¼" – 2" disconnect tools are unique to their sizes and come with special instructions on use

Item No	Description	Pkg	Min Qty	Case Qty
305Q2	½" disconnect tool	C*	1	24
305Q3	¾" disconnect tool	C*	1	24
305Q4	1" disconnect tool	C*	1	12
305Q5	1¼" disconnect tool	B	1	1
305Q6	1½" disconnect tool	B	1	10
305Q7	2" disconnect tool	B	1	1

CUTTING DEVICES

Tube Cutters	78
Deburring Tool	79
Utility Knife	79
Saws	80
Inside Pipe Cutters	81
Stud Punch	82

PLUMBING

GAS



304-08

Plastic Tube Cutter

- Quickly cut PEX, PVC, CPVC and other poly pipe or non-metallic hose
- For 1 1/8" O.D. tube or smaller

Item No	Description	Pkg	Min Qty	Case Qty
304-08	Plastic tube and hose cutter - 2 1/4" blade length	C*	12	72
304-1	Stainless steel replacement blade for 304-08	B	1	50
304-12	Plastic tube and hose cutter - 3 1/4" blade length	C*	1	12
304-12B	Stainless steel replacement blade for 304-12	B	1	12

TOOLS

APPENDIX



304-11

Ratchet Tube Cutter

- For use with PVC and polyethylene piping
- Easy ratchet cutting action



305-A139092

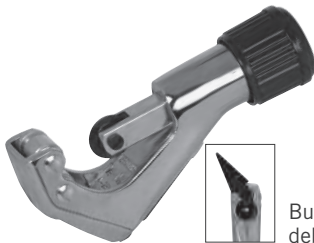
Item No	Description	Pkg	Min Qty	Case Qty
304-11	Cuts 3/8" thru 1 1/4" diameter tube/pipe	C*	1	12
305-A139092	Cuts 1 1/4" thru 2" diameter tube/pipe	B	1	10
305-A139092B	Replacement blade	B	1	25



304-20

Copper Tube Cutters Mini Cutter

- 1/8"-5/8" capacity
- Large ribbed feed screw knob



304-25



Built-in deburring tool.

Internal Adjustment Cutter

- 1/8"-1 1/8" capacity
- Extra cutter wheel in body
- Body and knob made of lightweight aluminum
- Telescoping feed mechanism keeps turning radius constant

Zip Action Cutter

- 3/16"-1 1/4" capacity
- Aluminum alloy die cast body with zip adjustable action
- Spare cutter wheel in knob



304-30

Item No	Description	Pkg	Min Qty	Case Qty
304-20	Mini cutter	B*	1	24
304-25	Internal adjustment cutter with deburring tool	B*	1	10
304-30	Zip action cutter with deburring tool	B*	1	10
304-32	Replacement wheel for 304-25/304-30	B*	1	20

Deburring Tool

- Plastic body
- High carbon steel blade
- Blade storage in body



304-06

Item No	Description	Pkg	Min Qty	Case Qty
304-06	Deburring tool, includes one spare blade	B*	1	24
304-6B	Replacement blades, 5 blades/bag	B*	1	50

Utility Knife

- Uses standard double pointed blades



315-10

Item No	Description	Pkg	Min Qty	Case Qty
315-10	Utility knife with one blade	B	12	60
315-1	Replacement blades, 5 blades/card	B*	10	100

PLUMBING

GAS

TOOLS

APPENDIX



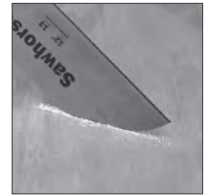
300-12



300-20

Sawhorse™ Multi-Purpose Saw

- High-quality, hardened-steel blade remains sharp through thousands of cuts
- Perfect for plastic pipe, wood and many other materials
- 12" model has 13 teeth/inch for fine cutting. Teeth are on the nose for notching in tight areas and starting cuts in the middle of floor or wall
- 20" model has 10 teeth/inch for faster cutting
- Both include plastic teeth protector



Item No	Description	Pkg	Min Qty	Case Qty
300-12	12" with plastic teeth protector	B	12	12
300-20	20" with plastic teeth protector	B	4	4
300-12B	Replacement blade for 300-12	B	1	25
300-20B	Replacement blade for 300-20	B	6	6

Mini Hacksaw Pistol Grip & Standard

- Separate screw sets the 6" blade tension
- Good for fine work in small areas. Six inch steel blade cuts copper and brass tube, bolts, steel, wood and plaster
- Pistol Grip is easier to hold and grasp



301-062

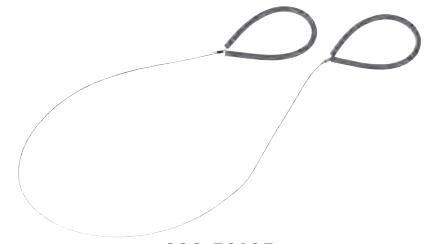


301-065

Item No	Description	Pkg	Min Qty	Case Qty
301-062	Deluxe pistol grip, 6" blade	B	10	10
301-065	Standard D-type, 6" blade	B	20	20
301-061	6" carbon steel replacement blade 32 teeth/inch, pin ends	B	5	100

Wire Cable Saw

- Cuts PVC pipe in tight spaces
- Disposable, good for approximately 40 cuts



390-50105

PLUMBING

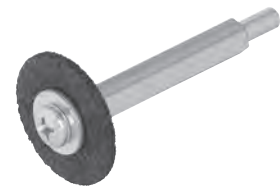
GAS

TOOLS

Item No	Description	Pkg	Min Qty	Case Qty
390-50105	Wire cable saw for plastic pipe	B*	1	25

Inside Pipe Cutter

- Steel blade for plastic pipe
- Abrasive disc for plastic or steel pipe



390-50153



390-50163

APPENDIX

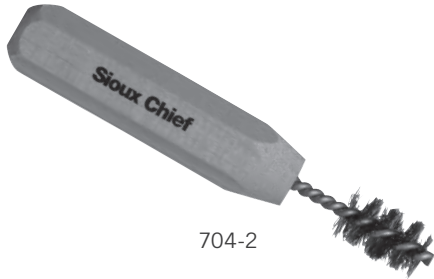
Item No	Description	Pkg	Min Qty	Case Qty
390-50153	Inside pipe cutter with two 1 $\frac{9}{16}$ " abrasive discs	B*	1	100
390-50154	Replacement kit: 3 discs, 1 bolt, 1 washer	B*	1	100
NEW 390-50155	Replacement discs only, 10/bg	B	1	5
390-50163	Inside pipe cutter with 1 $\frac{1}{4}$ " steel blade	B*	1	10
390-50164	1 $\frac{1}{4}$ " hardened steel replacement blade	B*	1	100

BRUSHES & ABRASIVES

BRUSHES 84

ABRASIVES 86

PLUMBING



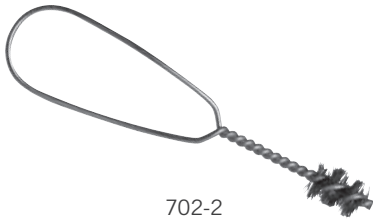
704-2

GAS



705-3

TOOLS



702-2

APPENDIX



706-4

Fitting Brushes

Deluxe Wood Handle

- Solid wood, screwdriver type handle is easy to hold and turn
- Stainless steel bristles

Plastic Handle

- Carbon or stainless steel bristles

Open-Loop Handle

- Carbon or stainless steel bristles

Drill Attachment

- Stem fits all power drill chucks
- Carbon or stainless steel bristles

Item No	Description	Bristles	Pkg	Min Qty	Case Qty
DELUXE WOOD HANDLE					
704-2	1/2" CTS	stainless steel	B	12	72
704-3	3/4" CTS	stainless steel	B	12	72
704-4	1" CTS	stainless steel	B	12	72
PLASTIC HANDLE					
700-0	1/4" CTS	carbon steel	B	12	120
700-1	3/8" CTS	carbon steel	B	12	120
700-2	1/2" CTS	carbon steel	B	12	120
700-3	3/4" CTS	carbon steel	B	12	120
700-4	1" CTS	carbon steel	B	12	120
700-5	1 1/4" CTS	carbon steel	B	6	60
700-6	1 1/2" CTS	carbon steel	B	6	60
700-7	2" CTS	carbon steel	B	6	60
705-2	1/2" CTS	stainless steel	B	12	120
705-3	3/4" CTS	stainless steel	B	12	120
705-4	1" CTS	stainless steel	B	12	120
OPEN-LOOP HANDLE					
702-2	1/2" CTS	carbon steel	B	24	240
702-3	3/4" CTS	carbon steel	B	24	240
702-4	1" CTS	carbon steel	B	24	240
703-2	1/2" CTS	stainless steel	B	24	240
703-3	3/4" CTS	stainless steel	B	24	240
703-4	1" CTS	stainless steel	B	24	240
703-5	1 1/4" CTS	stainless steel	B	12	120
703-6	1 1/2" CTS	stainless steel	B	6	60
703-7	2" CTS	stainless steel	B	6	60
DRILL ATTACHMENT					
706-2	1/2" CTS	carbon steel	B	6	60
706-3	3/4" CTS	carbon steel	B	6	60
706-4	1" CTS	carbon steel	B	6	60
707-2	1/2" CTS	stainless steel	B	6	60
707-3	3/4" CTS	stainless steel	B	6	60
707-4	1" CTS	stainless steel	B	6	60



886-GP



868-7A



886-R / 886-RQ

Buying Information

PVC ITEM #	ABS ITEM #	CONNECTION	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.	UPC LISTED
PUSH-IN FLANGES							
888-GPM	888-GAM	Inside 3"	SS Swivel-Ring, Push Tite W/ Extended Outlet	C*	6	6	NO
887-GPM	887-GAM	Inside 4"	SS Swivel-Ring, Push Tite Closet Flange	C*	6	6	NO
886-GP	886-GA	Inside 4"	One-Piece, Push Tite W/ Extended Outlet	C*	5	5	NO
887-GPTMK	N/A	Inside 4"	Push Tite Kit: 886-GP, Wax Ring, Closet Bolts & Shims	C*	6	6	NO
SPECIALTY FLANGES							
890-i42	N/A	Over 4" Compress.	Cast Iron Flange W/ Elastomer Gasket / Test Cap	B*	5	5	YES
890-4BPK	N/A	Over 4" lead	Cast Brass Flange Ring	C*	10	10	NO
890-4BDPK	N/A	Over 4" lead	Cast Brass Deep-Seal Flange Ring	C*	10	10	NO
868-5P	868-5A	2" Hub	Urinal Flange Kit W/ Gasket & Hardware	B*	10	10	NO
868-7P	868-7A	Inside 2"	Urinal Flange Kit W/ Gasket & Hardware	B*	10	10	NO
868-9P	868-9A	2" Spigot	Urinal Flange Kit W/ Gasket & Hardware	B*	10	10	NO
SPACER & REPAIR RINGS							
886-MR	N/A	Repair	Stainless Steel Ringer One-Piece Repair Ring	C*	20	20	NO
886-MRPK	N/A	Repair	Stainless Steel Ringer One-Piece Repair Ring	B*	10	10	NO
886-MRM	N/A	Repair	Galvanized Two-Piece Repair Ring W/ Hardware	C*	8	8	NO
886-R	N/A	Spacer	7/16" Thick Raise-A-Ring ABS Spacer / Extension Ring	C*	20	20	NO
886-RQ	N/A	Spacer	1/4" Thick Raise-A-Ring ABS Spacer / Extension Ring	C*	20	20	NO
886-411	N/A	Spacer	Spacer/Extension Kit: 886-R, Closet Bolts & Shims	C*	20	20	NO
886-ER	N/A	Spacer	3/4" Thick Quick Spacer Spacer Ring	B*	25	25	NO



Indicated in above column

PACKAGING:

B = Bulk

C = Cut Case

* Individually Bar-Coded

Acid Brush

- Metal handle
- 100% horse hair bristles
- Available in 3/8" or 1/2" wide

Item No	Description	Pkg	Min Qty	Case Qty
771	# 1 metal handle acid brush: 3/8" wide, 6" long, 100% horse hair, 144/bag	B	1	12
772	# 2 metal handle acid brush: 1/2" wide, 6" long, 100% horse hair, 144/bag	B	1	12

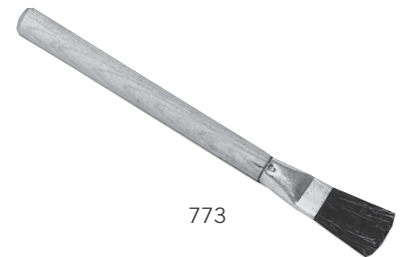


771

Pipe Dope/Cement Brush

- Wood handle
- Horse hair or natural bristles
- Available from 3/4" to 2" widths

Item No	Description	Bristles	Pkg	Min Qty	Case Qty
773	3/4" wide	Horse hair	B	36	360
774	1" wide	Natural	B	36	36
776	1 1/2" wide	Natural	B	24	24
777	2" wide	Natural	B	24	24



773

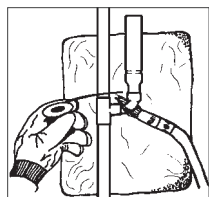


777

Safe-Flame™

Flame Protection Pad

- Absorbs heat
- No smoke or odor
- Non asbestos
- 9" x 12" blanket



Use when soldering or brazing near wood, paint or other flammable materials.



390-50160

Item No	Description	Pkg	Min Qty	Case Qty
390-50160	Flame protection blanket	B*	1	25

PLUMBING

GAS

TOOLS

APPENDIX

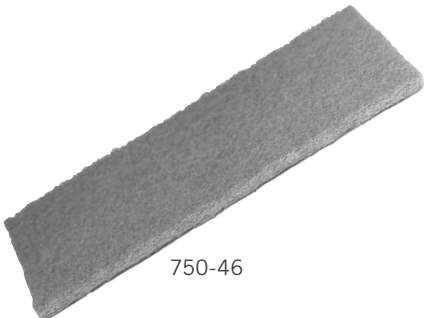


710-4

Tube O.D. Brush

- High impact, hex body for better grip
- Carbon steel bristles

Item No	Description	Pkg	Min Qty	Case Qty
710-2	1/2" CTS	B	6	120
710-3	3/4" CTS	B	6	120
710-4	1" CTS	B	6	120



750-46

Copper Cleaning Pad

- Cleans copper tube and fittings for soldering
- Great general purpose cleaning pad
- Use wet or dry

Item No	Description	Pkg	Min Qty	Case Qty
750-46	4" x 6" x 1/4" fine grit, red nylon pad, 10 pads/bag	B	1	14
750-69	6" x 9" x 1/4" fine grit, tight weave, red nylon pad, 5 pads/bag	B	1	12
752-69	6" x 9" x 1/4" medium grit, loose weave, green nylon pad, 5 pads/bag	B	1	12



730-10

Abrasive Mesh

- 180 grit open mesh is waterproof
- Rinse when mesh gets loaded with debris

Sand Cloth

- 120 grit brown cloth is water resistant

Wet-Proof Cloth

- 120 grit blue-green cloth is 100% waterproof
- Unaffected by water, cutting oils, grease, etc.



740-10

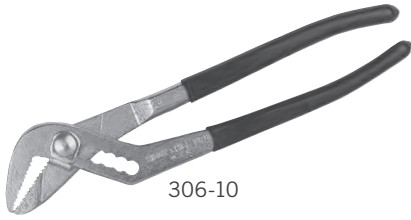


743-10

Item No	Description	Grit	Pkg	Min Qty	Case Qty
ABRASIVE MESH					
730-05	5 yard roll in dispenser box	180	B*	1	24
730-10	10 yard roll in dispenser box	180	B*	1	24
730-25	25 yard roll in dispenser box	180	B*	1	12
SAND CLOTH					
740-02	2 yard roll in bag	120	B*	1	50
740-05	5 yard roll in dispenser box	120	B*	1	24
740-10	10 yard roll in dispenser box	120	B*	1	24
740-25	25 yard roll in dispenser box	120	B*	1	12
WET-PROOF CLOTH					
743-05	5 yard roll in dispenser box	120	B*	1	24
743-10	10 yard roll in dispenser box	120	B*	1	24
743-25	25 yard roll in dispenser box	120	B*	1	12

WRENCHES

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Faucet Seat Wrench	90
Socket Wrench Set	90
Water Heater Wrench	90



306-10

Slip Joint Pliers

Milled Jaw

- Nickel-plated finish with plastic grips
- Angle-nose pliers have Grip Tight clip

Item No	Description	Max. Opening	Pkg	Min Qty	Case Qty
306-10	10" angle-nose pliers	1½"	B*	10	50



316-2

Offset Ratchet Box Wrench

- 25° offset angle
- Reach tight situations without scraping your knuckles
- Speed and convenience of ratcheting box wrench
- Reverse by flipping lever

Item No	Description	Pkg	Min Qty	Case Qty
316-1	¾" x 7/16" box wrench	C	1	12
316-2	½" x 9/16" box wrench	C	1	12

Telescopic Basin Wrench

- Jaw capacity: ¾" – 1½"
- Nickel-plated finish for long life
- 6" long leverage bar
- Length adjusts to 9½", 12", 14" and 16½"



390-50197

Item No	Description	Pkg	Min Qty	Case Qty
390-50197	Telescopic basin wrench	B*	1	20

Allen Wrench Set

- Nine different hex key sizes

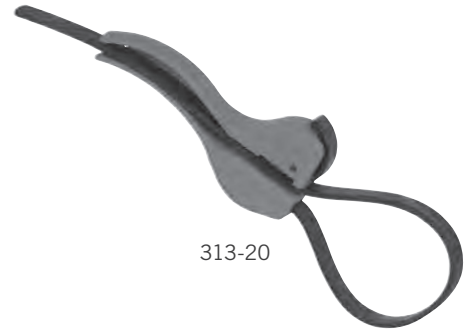


318-9

Item No	Description	Pkg	Min Qty	Case Qty
318-9	1/4" - 5/64" hex key set	B*	1	10

Strap Wrench

- Reinforced rubber strap
- Works in tight areas
- Adjust to fit any irregular shape
- 8" handle



313-20

Item No	Description	Pkg	Min Qty	Case Qty
313-20	Strap wrench	B*	1	12

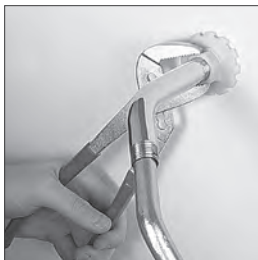
Shower Arm Installation Tool

Patent # 6,460,432

- Easier shower arm installations
- Allows shower arm installation with no external damage
- Wrench locks into shower arm for secure, no slip installation
- Can be used on all brass shower arms
- Heavy-duty malleable iron wrench with galvanized finish



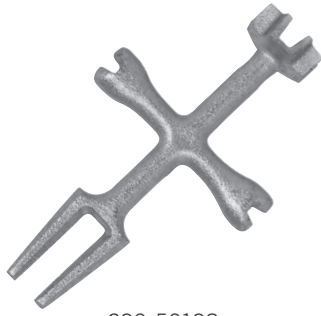
307-625



Related Product
Shower Arms

p 34

Item No	Description	Pkg	Min Qty	Case Qty
307-625	Shower Arm Installation Tool, individually bagged	B	1	6



390-50198

P.O. Plug Wrench

- Malleable iron
- Holds P.O. plug and basket straight during installation

Item No	Description	Pkg	Min Qty	Case Qty
390-50198	Pop-up & overflow plug wrench	B*	1	20



390-50133



390-50132



390-50130 comes in resealable case

Faucet Seat Wrench

- Ratchet wrench set has two square and one hex wrench plus a ratchet

Item No	Description	Pkg	Min Qty	Case Qty
390-50130	Ratchet wrench set	B*	1	25
390-50132	Straight wrench tool	B*	1	12
390-50133	Angle wrench tool	B*	1	12



311-10

Socket Wrench Set for Tub/Shower Valves

- Each set includes the following wrenches: $2\frac{1}{32}'' \times 2\frac{7}{32}''$, $2\frac{9}{32}'' \times 3\frac{1}{32}''$, $1\frac{1}{32}'' \times 1\frac{3}{32}''$, $1\frac{5}{32}'' \times 1\frac{9}{32}''$, $1\frac{11}{32}'' \times 1\frac{7}{16}''$, and one 5" turning bar
- Wrenches are $4\frac{3}{8}''$ deep

Item No	Description	Pkg	Min Qty	Case Qty
311-10	Set with carrier handle	B*	1	5



390-50185

Water Heater Element Wrench

- $1\frac{1}{2}''$ hex, heavy-duty plated steel with turning bar
- $\frac{1}{8}''$ wall thickness, $3\frac{3}{4}''$ long
- Hole is $1\frac{1}{32}''$ for leverage bar (not included)

Item No	Description	Pkg	Min Qty	Case Qty
390-50185	Water heater element wrench	B*	1	10

OTHER TOOLS & ACCESSORIES

Tools	92
Lubricant	96
PTFE Packing Rope & Tape	96
Duct Tape	97
Cement Stop Leak	97
Oakum	97
Gloves	98
Shoe Covers & Dust Masks	99
Tie Down Strap	99
Buckets, Boxes & Hooks	100

6-in-1 Screwdriver

- Includes one dual ended slotted bit, one dual ended Phillips bit and one 5/16" x 1/4" nut driver shank
- Replacement bits available



314-12

314-10



314-20

Item No	Description	Pkg	Min Qty	Case Qty
314-10	Six-in-one screwdriver, red handle - display pack	B	12	12
314-12	Six-in-one with easy grip rubber handle	C*	12	12
314-20	Combo replacement bit pack, slotted and Phillips, 2 bits/bag	B	1	25

Faucet Stem Key

- Fits: 1/4", 9/32", 5/16" and 11/32" faucet and sillcock stems



390-50134

Item No	Description	Pkg	Min Qty	Case Qty
390-50134	Four-way faucet stem key	B*	1	12

Moen Cartridge Puller

- Removes Moen† #1200 and #1225 cartridges
- Includes adapter for Posi-temp valves



390-50128

Posi-temp adapter

Item No	Description	Pkg	Min Qty	Case Qty
390-50128	Puller for Moen†	B*	1	12

† The part is not made by original manufacturer but manufactured to same specifications as original part.

Faucet Handle Puller

- Removes larger handles with longer adjustable puller arms
- One piece cast cross bar for strength and durability
- Puller features notches to ensure positive and equal positioning of puller arms on cross bar
- Alloy steel components



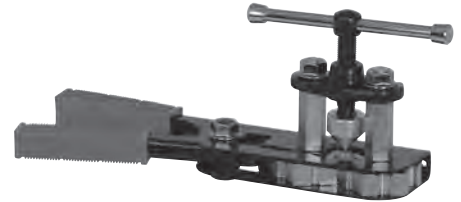
318-4

Item No	Description	Pkg	Min Qty	Case Qty
318-4	Faucet handle puller	B*	1	5

Flaring Tool

Deluxe "Papco" Style Tool

- Single-lap 45° flares thin wall tubing such as copper, brass or aluminum
- 3/16" O.D. to 5/8" O.D.



308-2

Item No	Description	Pkg	Min Qty	Case Qty
308-2	Deluxe flaring tool	B*	1	12

O-Ring Pick

- Easy grip handle



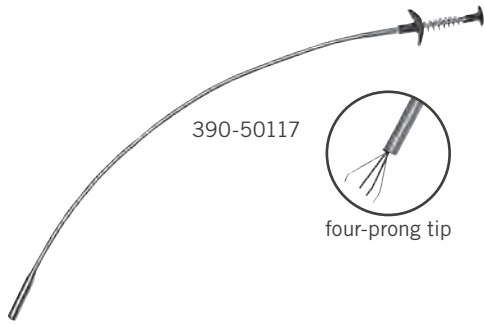
390-50138

Item No	Description	Pkg	Min Qty	Case Qty
390-50138	Deluxe o-ring pick	C*	1	12

PLUMBING

GAS

Flexible Grabber



Item No	Description	Pkg	Min Qty	Case Qty
390-50117	23" flexible grabber	B*	1	25

TOOLS

APPENDIX

Inspection Mirror

- 1" x 2" oval mirror with angle ball joint
- Powerful long life magnetic tip
- Pocket clasp
- Extends 5 $\frac{5}{8}$ " – 18 $\frac{3}{4}$ "



Item No	Description	Pkg	Min Qty	Case Qty
390-50115	Extendable inspection mirror with magnetic tip	B*	1	24

Match Holder

- Extends 6" – 25"
- Pocket clasp



Item No	Description	Pkg	Min Qty	Case Qty
390-50110	Extendable match holder with pocket clasp	B*	1	25

Levels

Surface

- Levels horizontal and vertical at the same time
- 1¾" O.D.

Torpedo

- Durable, 10" aluminum frame
- Strong magnetic holding power



310-10
Surface



310-12
Torpedo

Item No	Description	Pkg	Min Qty	Case Qty
310-10	Surface level	B*	1	24
310-12	10" aluminum level, magnetic	B*	1	10

Locking Tape Measure

- Heavy-duty 1" wide tape
- High-impact poly case with rubberized grips
- Thumb lock with power return
- Reinforced end catch
- Belt clip



310-05

Item No	Description	Pkg	Min Qty	Case Qty
310-05	25' locking tape measure	B*	1	12

Plunger

- 312-2 has a funnel-shaped cap that is retractable for use in flat sinks
- 390-50148 has an extra large bulb for extra thrust



312-2



390-50148

Item No	Description	Pkg	Min Qty	Case Qty
312-2	Funnel type rubber plunger - 20" handle	B	1	12
390-50148	Bulb type rubber plunger - 18" handle	B*	1	12

PLUMBING

GAS

TOOLS

APPENDIX

Silicone Lubricant for O-Rings & Valve Stems

- FDA approved
- Does not deteriorate o-rings and other EPDM, buna or rubber seats/seals
- Temperature range -40°F to 400°F



963-01



Squeeze sides and flip top with thumb.

Item No	Description	Pkg	Min Qty	Case Qty
963-01	Silicone lubricant - ¼ oz. tub	B	24	240

PTFE Packing Rope

- PTFE (Polytetrafluoroethylene)
- Replaces worn out packing



291-30400

Item No	Description	Pkg	Min Qty	Case Qty
291-30400	24" x 3/32" PTFE packing rope	B	24	240

PTFE Pipe Thread Tape

- PTFE (Polytetrafluoroethylene)
- ½" and ¾" widths



335-260

Item No	Description	Pkg	Min Qty	Case Qty
335-260	½" x 260" (21.66 ft) spool	B	100	100
335-520	½" x 520" (43.33 ft) spool	B	100	500
335-263	¾" x 260" (21.66 ft) spool	B	70	350
335-523	¾" x 520" (43.33 ft) spool	B	70	350



Duct Tape

Industrial and HVAC Grades

- HVAC grade has more adhesive
- HVAC grade is tested in accordance with UL 723 Flame Spread Index 5, Smoke Development Index 5



330-260



332-260

Item No	Description	Pkg	Min Qty	Case Qty
330-260	2" wide x 60 yard roll, industrial grade 9 mil	B	24	24
332-260	2" wide x 60 yard roll, HVAC grade 11.5 mil	B	24	24

Cement Stop Leak

- Perfect for patching sewer outlet, water service and around drains
- Sets up in just five minutes
- Mixing cup included in each jar
- 5 lb. plastic jar



963-05

Item No	Description	Pkg	Min Qty	Case Qty
963-05	Cement stop leak, 5 lb. plastic jar	B	5	5

Oakum

- Use to pack spigot type cast iron pipe, cracks around doors, windows, driveways, etc.
- Does not irritate skin



963-15PK2

Item No	Description	Pkg	Min Qty	Case Qty
963-15PK2	Brown oakum 1 lb/bag	B	20	20

PLUMBING



961-20

GAS



961-22

TOOLS



961-30

APPENDIX



961-32



961-50

Work Gloves

- 961-20: 100% cotton, medium weight (9 oz.) with knit wrist
- 961-22: Seamless, 100% cotton knit with rubber gripper dots, fits either hand
- 961-30: Leather, seamless “gun cut” palm area, waterproof cuff, elastic wrist
- 961-32/961-34: All leather, elastic wrist, available in large or x-large
- 961-50: Seamless, 100% cotton knit, with non-slip palm and fingertips

Item No	Description	Pkg	Min Qty	Case Qty
961-20	Brown jersey gloves	B	24	24
961-22	Knit gloves with gripping dots	B	24	24
961-30	Leather palm gloves with cuff	B	6	6
961-32	All leather gloves, large	B	1	12
961-34	All leather gloves, extra large	B	1	12
961-50	Knit gloves with non-slip palm	B	10	160

Disposable Latex Glove

- Extra large disposable latex gloves
- Powder-free, fits right or left hand
- This product contains natural rubber latex that may cause allergic reactions in some individuals



390-50178

Item No	Description	MIL	Pkg	Min Qty	Case Qty
390-50178	Standard weight, XL, job pack, 5/bag	5	B	1	10
390-50179	Standard weight, XL, 100/box	5	B	1	5
390-50177	Heavy-duty, XL, 50/box	10	B	1	5

Disposable Shoe Covers

- Covers dirty work boots – saves clean up time
- Blue-spun polypropylene, non-waterproof
- Fits over shoe sizes 5 – 15



390-50175

Item No	Description	Pkg	Min Qty	Case Qty
390-50175	Shoe covers - job pack, 1 pair/bag	B	1	20
390-50176	Shoe covers - bulk, 50 pair/box	B	50	50

Dust Masks

- Comfortable, contour shape
- Non irritating – fiberglass free
- Fluid resistant
- Not for protection against asbestos, silica, cotton dust, gasses, mists, vapors or spray paint operations



390-50180

Item No	Description	Pkg	Min Qty	Case Qty
390-50180	Dust mask - job pack, 2/bag	B	2	20
390-50181	Dust mask - bulk, 10/bag	B	10	50

Tie-Down Strap

- Super-strong 100% EPDM material with 2½" galvanized S hooks



319-15

Item No	Description	Length	Maximum Length	Pkg	Min Qty	Case Qty
319-15	EPDM tie-down strap	15"	22"	B	50	50
319-20	EPDM tie-down strap	20"	30"	B	50	50
319-31	EPDM tie-down strap	31"	45"	B	50	50

PLUMBING

GAS



968-04

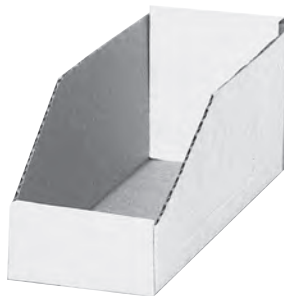
Multi-Purpose Square Bucket

- Heavy-duty plastic, 4.25 gallon
- Great for carrying tools, fittings, etc.
- Tight-fitting lid is included

Item No	Description	Pkg	Min Qty	Case Qty
968-04	Bucket, 4.25 gallon	B	8	8

TOOLS

APPENDIX



965-204

Corrugated Bin Box

- Perfect for warehouse, fab shop, on the truck, in the office or at home
- Fits standard 12" or 18" deep shelving

Item No	Description	Pkg	Min Qty	Case Qty
965-204	12" deep × 4" wide × 4½" high	B	25	25
965-208	12" deep × 8" wide × 4½" high	B	25	25
965-212	12" deep × 12" wide × 4½" high	B	25	25
965-804	18" deep × 4" wide × 4½" high	B	25	25
965-808	18" deep × 8" wide × 4½" high	B	25	25
965-812	18" deep × 12" wide × 4½" high	B	25	25

Peg Board Display Hook

- 8" long × 3/16" wire
- Works with 1/4" or 5/16" holes



390-50200

Item No	Description	Pkg	Min Qty	Case Qty
390-50200	Peg board hook	B	10	50

APPENDIX

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125 WARRANTY



SOME OF OUR NEWEST PRODUCTS

On the following pages are some of our newest product additions. Please let us know if we can get you more information, or samples of any of these new items.

Please reach out to your local Sioux Chief representative, as they would be happy to demonstrate how many of the products we build can not only save you on labor costs, but also how Sioux Chief helps you to build a better quality plumbing system.

If it is quicker, or easier, feel free to reach out to us directly.

info@siouxchief.com

800-821-3944



StreamLine™

»» Linear Shower Drains

Sioux Chief currently has three different types of linear shower drains

Each in a range of different sizes, and with different grate options.

Here is a quick summary on how each linear drain differs.

Original Linear Shower Drain - Offered in 24", 32", 40" & 60"

This version glues directly onto 2" PVC pipe. It is very low profile and incorporates a built in clamping collar. This version can be installed very tight against a wall.

Stainless Steel Linear Drain - This version has a stainless steel spigot that drops into a conventional pan liner shower drain. It is easy to install, since the shower drain and liner installs the same as a conventional shower. Available in 26", 30", 36", 40", 48" & 60" lengths. There are two different grate styles and a tile-tray option.

Site-Sizeable Linear Shower Drain - Chose either a 36" or 72" model, then cut-to-length on site. This modular design allows location of the outlet anywhere along the channel. This version features either a slotted strainer or a tile-in strainer.

More detailed information on each system, and part numbers on the following pages.



Residential – New Construction & Remodeling

- Off-set inlet location designed for use with standard floor joists
- Easy installation with no substrate modification needed



Multiple Shower Areas

- Use with large format floor tile
- Removable internal strainer for ease of maintenance



Healthcare Facilities

- Perfect for barrier-free/ADA showers
- One-piece PVC body construction means no seam/weld failures

Supply Drainage Support

www.siouxchief.com

TAKE THE FIELD.

StreamLine™

Linear Shower Drains



[CLICK FOR SUBMITTAL](#)

Available in 24", 32", 40" & 60" lengths
 Glues directly onto 2" pvc pipe
 Offset center drain assures studs are never in the way
 Can be installed tight against the wall.
 Finished grate easily adjustable, and available in two designs.

Design Creativity

StreamLine™ drains provide a unique, contemporary appearance and functional design to shower areas. Available in four drain lengths and two brushed-stainless strainer patterns. StreamLine drains allow the use of larger, floor-size tiles in the shower area – making a smooth transition from bath floor to shower floor.

Installation Versatility

Perfect for use in residential applications, barrier-free or ADA showers, or along thresholds for overflow control. Simple, flat-bottom design and offset connection make installation easier than other linear drains. All StreamLine drains include installation hardware, sealant and an illustrated instruction sheet.

Functional Reliability

StreamLine drains have a seamless, internally sloped, PVC body and a unique stainless steel membrane clamping ring which ensures a watertight seal. Internal "pre-strainers" prevent objects/debris from going into the pipe and make maintenance easier.



Residential – New Construction & Remodeling

- Offset inlet location designed for use with standard floor joists
- Easy installation with no substrate modification needed



Healthcare Facilities

- Perfect for barrier-free/ADA showers
- One-piece PVC body construction means no seam/weld failures



Hospitality

- Install in bathroom update or redesign projects
- Install at thresholds for overflow control



Multiple Shower Areas

- Use with large format floor tile
- Removable internal strainer for ease of maintenance

STREAMLINE™ LINEAR SHOWER DRAIN					
823-24PSP	n/a	24" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-24PSS	n/a	24" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-FK24		Full-mortar-bed adapter kit for 24" StreamLine		B*	2
823-32PSP	n/a	32" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-32PSS	n/a	32" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-FK32		Full-mortar-bed adapter kit for 32" StreamLine		B*	3
823-40PSP	n/a	40" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-40PSS	n/a	40" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-FK40		Full-mortar-bed adapter kit for 40" StreamLine		B*	4
823-60PSP	n/a	60" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-60PSS	n/a	60" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1
823-FK60		Full-mortar-bed adapter kit for 60" StreamLine		B*	5

Supply Drainage Support

www.siouxchief.com

TAKE THE FIELD.

Linear Shower Drains

»» For Tile-Floor Showers



Stylish

Showers with linear drains offer a unique, contemporary appearance. Enhance the look of the shower floor with a modern strainer design, or "hide" the drain with a tile-in strainer.

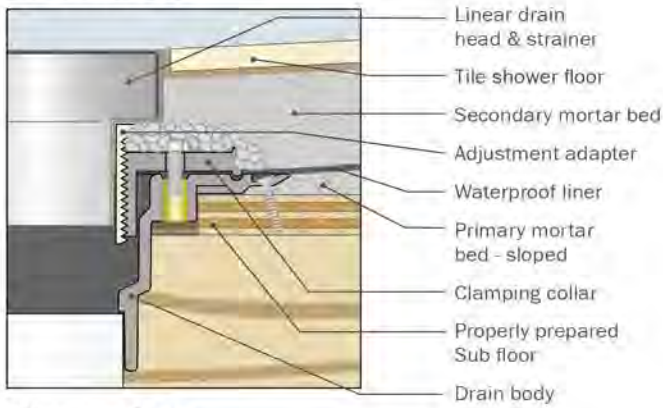
Practical

Showers are sloped in *ONE* direction to the drain for an easier pre-slope. Perfect for ADA and barrier-free applications.

Linear drains allow for large-format tiles to be used in the shower area – making a smooth transition from bath floor to shower floor.

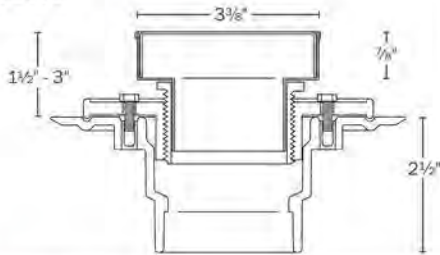


Installation



Three Strainer Patterns and Six lengths Available

Dimensions



[CLICK FOR SUBMITTAL](#)



Buying Information

PVC ITEM NO.	ABS ITEM NO.	Length	DESCRIPTION	PKG	MIN QTY	CASE QTY
LINEAR SHOWER DRAIN WITH TILE-IN STRAINER						
823-TX26TP	823-TX26TA	26"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX30TP	823-TX30TA	30"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX36TP	823-TX36TA	36"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX40TP	823-TX40TA	40"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX48TP	823-TX48TA	48"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX60TP	823-TX60TA	60"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
LINEAR SHOWER DRAIN WITH SQUARE-HOLES STRAINER						
823-TX26SP	823-TX26SA	26"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX30SP	823-TX30SA	30"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX36SP	823-TX36SA	36"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX40SP	823-TX40SA	40"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX48SP	823-TX48SA	48"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX60SP	823-TX60SA	60"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
LINEAR SHOWER DRAIN WITH WEDGE-WIRE STRAINER						
823-TX26WP	823-TX26WA	26"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX30WP	823-TX30WA	30"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX36WP	823-TX36WA	36"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX40WP	823-TX40WA	40"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX48WP	823-TX48WA	48"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1
823-TX60WP	823-TX60WA	60"	Linear shower pan drain with DoubleDuty™ test plug - 2" Sch. 40 hub connection	B*	1	1

PACKAGING:
 B = Bulk
 C = Cut Case
 * Individually Bar-Coded



StreamLine™

Site-Sizable Linear Shower Drain



Ultimate Installation Flexibility

Choose 36" or 72" model, then cut-to-length on site. Perfect for new/custom showers or renovation jobs.

Modular design allows location of the outlet anywhere along the channel.

Easy Installation

Construction cover (included) protects channel during rough-in.

Full-color installation instructions included.

Choose from slotted strainer or tile-in models.

Strainer level can be adjusted to allow for thicker tiles.



Supply

Drainage

Support

Specialties

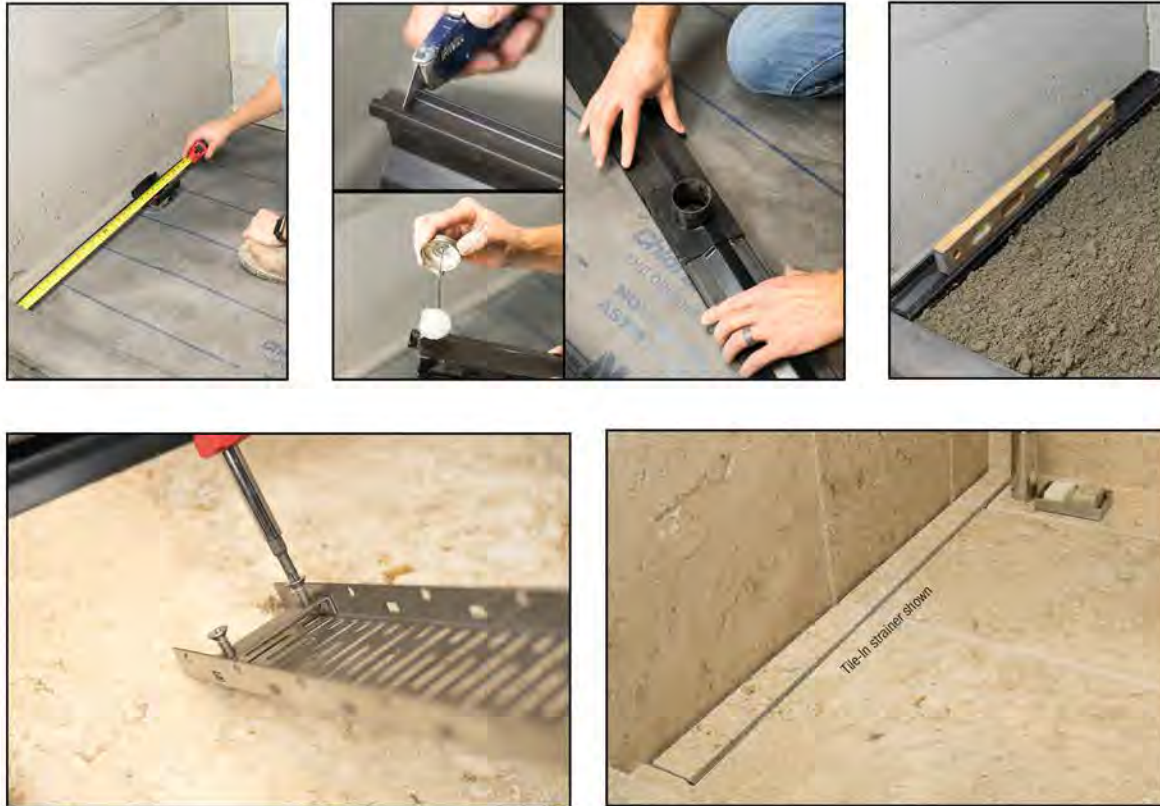
www.siouxchief.com

TAKE THE FIELD.



Complete Versatility

StreamLine™ Site-Sizable linear drains include everything you need to install a custom-length linear drain, sized on-site to your specific application: Linear channel with rough-in cover, Strainer with adjustment brackets, outlet section, end caps, adjustment adapter, and drain body with collar.



[CLICK FOR SUBMITTAL](#)

» Buying Information

ITEM NO.	DESCRIPTION	U/M	MIN QTY	CASE QTY
Linear Drain with Slotted Strainer				
823-T2A36V	36" Site-sizable linear shower drain, 2" ABS connection, slotted strainer	EA	1	1
823-T2P36V	36" Site-sizable linear shower drain, 2" PVC connection, slotted strainer	EA	1	1
823-T2A72V	72" Site-sizable linear shower drain, 2" ABS connection, slotted strainer	EA	1	1
823-T2P72V	72" Site-sizable linear shower drain, 2" PVC connection, slotted strainer	EA	1	1
Linear Drain with Tile-In Strainer				
823-T2A36T	36" Site-sizable linear shower drain, 2" ABS connection, tile-in strainer	EA	1	1
823-T2P36T	36" Site-sizable linear shower drain, 2" PVC connection, tile-in strainer	EA	1	1
823-T2A72T	72" Site-sizable linear shower drain, 2" ABS connection, tile-in strainer	EA	1	1
823-T2P72T	72" Site-sizable linear shower drain, 2" PVC connection, tile-in strainer	EA	1	1

PowerPEX®

▶▶ PEX Tube Buying Information



Complete

PEX-B & PEX-A tubing

½" – 2", Red/White/Blue PEX-B & Natural PEX-A

Coils & Lengths, Barrier & Standard

Compatible with ASTM F1807/F2159/F1960/F2080
and ASSE 1061 fitting systems

Warranted

PowerPEX® tube carries a 25 year warranty on material & workmanship. See www.siouxchief.com for warranty details.

PowerPEX® tube can be mixed with other manufacturers' compatible tube & fittings systems.

Made In America

PowerPEX® tubing is proudly made in America.

Supply

Drainage

Support

Specialties

www.siouxchief.com

TAKE THE FIELD.







PowerPEX® Type-B Tube

» Type-B Stick Bundles*			
ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
10-ft Stick Bundles			
664X2B10	PEX Tube ½" Blue 10-ft Lengths 50/Bag (500-ft Per Bag)	BG	1
664X2R10	PEX Tube ½" Red 10-ft Lengths 50/Bag (500-ft Per Bag)	BG	1
664X2W10	PEX Tube ½" White 10-ft Lengths 50/Bag (500-ft Per Bag)	BG	1
664X3B10	PEX Tube ¾" Blue 10-ft Lengths 25/Bag (250-ft Per Bag)	BG	1
664X3R10	PEX Tube ¾" Red 10-ft Lengths 25/Bag (250-ft Per Bag)	BG	1
664X3W10	PEX Tube ¾" White 10-ft Lengths 25/Bag (250-ft Per Bag)	BG	1
664X4W10	PEX Tube 1" White 10-ft Lengths 15/Bag (150-ft Per Bag)	BG	1
20-ft Stick Bundles			
664X2B20	PEX Tube ½" Blue 20-ft Lengths 50/Bag (1000-ft Per Bag)	BG	1
664X2R20	PEX Tube ½" Red 20-ft Lengths 50/Bag (1000-ft Per Bag)	BG	1
664X2W20	PEX Tube ½" White 20-ft Lengths 50/Bag (1000-ft Per Bag)	BG	1
664X3B20	PEX Tube ¾" Blue 20-ft Lengths 25/Bag (500-ft Per Bag)	BG	1
664X3R20	PEX Tube ¾" Red 20-ft Lengths 25/Bag (500-ft Per Bag)	BG	1
664X3W20	PEX Tube ¾" White 20-ft Lengths 25/Bag (500-ft Per Bag)	BG	1
664X4B20	PEX Tube 1" Blue 20-ft Lengths 15/Bag (300-ft Per Bag)	BG	1
664X4R20	PEX Tube 1" Red 20-ft Lengths 15/Bag (300-ft Per Bag)	BG	1
664X4W20	PEX Tube 1" White 20-ft Lengths 15/Bag (300-ft Per Bag)	BG	1
664X5W20	PEX Tube 1¼" White 20-ft Lengths 10/Bag (200-ft Per Bag)	BG	1
664X6W20	PEX Tube 1½" White 20-ft Lengths 8/Bag (160-ft Per Bag)	BG	1
664X7W20	PEX Tube 2" White 20-ft Lengths 5/Bag (100-ft Per Bag)	BG	1

» Type-B Coils			
ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
100-ft Coils			
665X8W100	PEX Tube ⅝" White 100-ft Coil	CL	1
665X0W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X1B100	PEX Tube ¾" Blue 100-ft Coil	CL	1
665X1R100	PEX Tube ¾" Red 100-ft Coil	CL	1
665X1W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X2B100	PEX Tube ½" Blue 100-ft Coil	CL	1
665X2R100	PEX Tube ½" Red 100-ft Coil	CL	1
665X2W100	PEX Tube ½" White 100-ft Coil	CL	1
665X3B100	PEX Tube ¾" Blue 100-ft Coil	CL	1
665X3R100	PEX Tube ¾" Red 100-ft Coil	CL	1
665X3W100	PEX Tube ¾" White 100-ft Coil	CL	1
665X4B100	PEX Tube 1" Blue 100-ft Coil	CL	1
665X4R100	PEX Tube 1" Red 100-ft Coil	CL	1
665X4W100	PEX Tube 1" White 100-ft Coil	CL	1
665X5W100	PEX Tube 1¼" White 100-ft Coil	CL	1
665X6W100	PEX Tube 1½" White 100-ft Coil	CL	1
665X7W100	PEX Tube 2" White 100-ft Coil	CL	1
100-ft Coils, O₂ Barrier			
665X2H100	Barrier PEX Tube ½" Orange 100-ft Coil	CL	1
665X3H100	Barrier PEX Tube ¾" Orange 100-ft Coil	CL	1
665X4H100	Barrier PEX Tube 1" Orange 100-ft Coil	CL	1

» Type-B Coils Cont.			
ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
300-ft Coils			
665X2B300	PEX Tube ½" Blue 300-ft Coil	CL	1
665X2R300	PEX Tube ½" Red 300-ft Coil	CL	1
665X2W300	PEX Tube ½" White 300-ft Coil	CL	1
665X3B300	PEX Tube ¾" Blue 300-ft Coil	CL	1
665X3R300	PEX Tube ¾" Red 300-ft Coil	CL	1
665X3W300	PEX Tube ¾" White 300-ft Coil	CL	1
665X4B300	PEX Tube 1" Blue 300-ft Coil	CL	1
665X4R300	PEX Tube 1" Red 300-ft Coil	CL	1
665X4W300	PEX Tube 1" White 300-ft Coil	CL	1
665X5W300	PEX Tube 1¼" White 300-ft Coil	CL	1
665X6W300	PEX Tube 1½" White 300-ft Coil	CL	1
300-ft Coils, O₂ Barrier			
665X2H300	Barrier PEX Tube ½" Orange 300-ft Coil	CL	1
665X3H300	Barrier PEX Tube ¾" Orange 300-ft Coil	CL	1
500-ft Coils			
665X2B500	PEX Tube ½" Blue 500-ft Coil	CL	1
665X2R500	PEX Tube ½" Red 500-ft Coil	CL	1
665X2W500	PEX Tube ½" White 500-ft Coil	CL	1
665X3B500	PEX Tube ¾" Blue 500-ft Coil	CL	1
665X3R500	PEX Tube ¾" Red 500-ft Coil	CL	1
665X3W500	PEX Tube ¾" White 500-ft Coil	CL	1
665X4B500	PEX Tube 1" Blue 500-ft Coil	CL	1
665X4R500	PEX Tube 1" Red 500-ft Coil	CL	1
665X4W500	PEX Tube 1" White 500-ft Coil	CL	1
500-ft Coils, O₂ Barrier			
665X2H500	Barrier PEX Tube ½" Orange 500-ft Coil	CL	1
665X4H500	Barrier PEX Tube 1" Orange 500-ft Coil	CL	1
1000-ft Coils			
665X2B1000	PEX Tube ½" Blue 1000-ft Coil	CL	1
665X2R1000	PEX Tube ½" Red 1000-ft Coil	CL	1
665X2W1000	PEX Tube ½" White 1000-ft Coil	CL	1
665X3B1000	PEX Tube ¾" Blue 1000-ft Coil	CL	1
665X3R1000	PEX Tube ¾" Red 1000-ft Coil	CL	1
665X3W1000	PEX Tube ¾" White 1000-ft Coil	CL	1
1000-ft Coils, O₂ Barrier			
665X2H1000	Barrier PEX Tube ½" Orange 1000-ft Coil	CL	1
665X9H1000	Barrier PEX Tube ⅝" Orange 1000-ft Coil	CL	1

» Fitting/Tube Compatibility			
	FITTING TYPE	PEX-B	PEX-A
	F1807	■	■
	F2159	■	■
	F1960	■	■
	F2080	■	■

PowerPEX® Type-A Tube

» Type-A Stick Bundles*

ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
5-ft Stick Bundles			
664XA2N5	PEX Tube A ½" Natural 5-ft Lengths 20/Bag (100-ft Per Bag)	EA	20
664XA3N5	PEX Tube A ¾" Natural 5-ft Lengths 10/Bag (50-ft Per Bag)	EA	10
664XA4N5	PEX Tube A 1" Natural 5-ft Lengths 5/Bag (25-ft Per Bag)	EA	5
5-ft Stick Bundles, O₂ Barrier			
664XA2N5H	Barrier PEX Tube A ½" Natural 5-ft Lengths 20/Bag (100-ft Per Bag)	EA	20
664XA3N5H	Barrier PEX Tube A ¾" Natural 5-ft Lengths 10/Bag (50-ft Per Bag)	EA	10
664XA4N5H	Barrier PEX Tube A 1" Natural 5-ft Lengths 5/Bag (25-ft Per Bag)	EA	5
20-ft Stick Bundles			
664XA6W20	PEX Tube A 1½" White 20-ft Lengths 8/Bag (160-ft)	BG	1
664XA7W20	PEX Tube 2" White 20-ft Lengths 5/Bag (100-ft)	BG	1

» Type-A Coils

ITEM NO.	DESCRIPTION	U/M	MIN. QTY.
100-ft Coils			
665XA2N100	PEX Tube A ½" Natural 100-ft Coil	CL	1
665XA3N100	PEX Tube A ¾" Natural 100-ft Coil	CL	1
665XA4N100	PEX Tube A 1" Natural 100-ft Coil	CL	1
100-ft Coils, O₂ Barrier			
665XA3N100H	Barrier PEX Tube A ¾" Natural 100-ft Coil	CL	1
250-ft Coils			
665XA2N250	PEX Tube A ½" Natural 250-ft Coil	CL	1
665XA3N250	PEX Tube A ¾" Natural 250-ft Coil	CL	1
665XA4N250	PEX Tube A 1" Natural 250-ft Coil	CL	1
300-ft Coils, O₂ Barrier			
665XA2N300H	Barrier PEX Tube A ½" Natural 300-ft Coil	CL	1
500-ft Coils			
665XA2N500	PEX Tube A ½" Natural 500-ft Coil	CL	1
1000-ft Coils, O₂ Barrier			
665XA2N1000H	Barrier PEX Tube A ½" Natural 1000-ft Coil	CL	1

Installation

All installations of PowerPEX tubing MUST be performed according to the requirements and limitations described in the PowerPEX Installation Manual.

See: www.siouxchief.com/technical

Follow all applicable local and national codes. All installations of PowerPEX tube should be pressure tested prior to use.

*Shipping Limitation

Orders of 664-series straight length bundles (10-ft and 20-ft) in quantities less than 10 total (any color or size mix) will be subject to a \$100 surcharge.

Packaging

Sioux Chief PowerPEX tubing is packaged in black uv-resistant bags and shrink film. The wrap keeps the pipe free of dust, debris, paint or other harmful contaminants and free from direct sunlight exposure. Black-wrapped coils allow pipe to be pulled from the center for ease of use.



TUBE SIZE	COIL LENGTH	COIL ID	COIL WIDTH	COILS PER PALLET	PALLET SIZE
½" (¼OD)	100-ft	24"	1½"	25	30" × 30"
¾" (⅜OD)	100-ft	24"	2½"	25	30" × 30"
¾" CTS	100-ft	24"	2½"	25	30" × 30"
½" CTS	100-ft	24"	2¼"	25	30" × 30"
½" CTS	250-ft	24"	5½"	12	30" × 30"
½" CTS	300-ft	24"	6½"	10	30" × 30"
½" CTS	500-ft	24"	8½"	8	30" × 30"
½" CTS	1000-ft	24"	11½"	5	30" × 30"
¾" CTS	100-ft	24"	3¾"	19	30" × 30"
¾" CTS	250-ft	24"	7¾"	8	30" × 30"
¾" CTS	300-ft	24"	8½"	6	30" × 30"
¾" CTS	500-ft	24"	11⅜"	4	30" × 30"
1" CTS	100-ft	24"	5⅞"	10	30" × 30"
1" CTS	300-ft	24"	10⅞"	4	30" × 30"
1" CTS	500-ft	24"	12"	4	30" × 30"
1¼" CTS	100-ft	24"	5"	10	32" × 32"
1¼" CTS	300-ft	24"	5"	8	32" × 32"
1¼" CTS	500-ft	24"	11"	4	45" × 45"
1½" CTS	100-ft	68"	7"	10	72" × 72"
1½" CTS	300-ft	68"	11"	5	72" × 72"
1½" CTS	500-ft	68"	11"	5	72" × 72"
2" CTS	100-ft	68"	8"	10	72" × 72"
2" CTS	300-ft	68"	11"	5	72" × 72"
2" CTS	500-ft	68"	11"	5	72" × 72"

Handling

Read the PowerPEX Installation Manual prior to installation. Tube should be protected from being gouged or scraped during handling. Cut tube square and clean. Keep tubing out of direct sunlight. Ultra-violet exposure, chlorine resistance and pressure/temperature ratings are located on tube print stream (see number key below)



Tube Type Identification Mark Example: 5306 or 1006

Integer 1: (chlorine resistance)

Per ASTM F2023

0 = Not tested for chlorine resistance

1 = 25% use @ 140°F

& 75% Use @ 73°F

3 = 50% use @ 140°F

& 50% Use @ 73°F

5 = 100% use @ 140°F

Integer 2: (min. UV resistance)

Per ASTM F2657

0 = Not tested for UV exposure

1 = Max. exposure of 1 month

2 = Max. exposure of 3 months

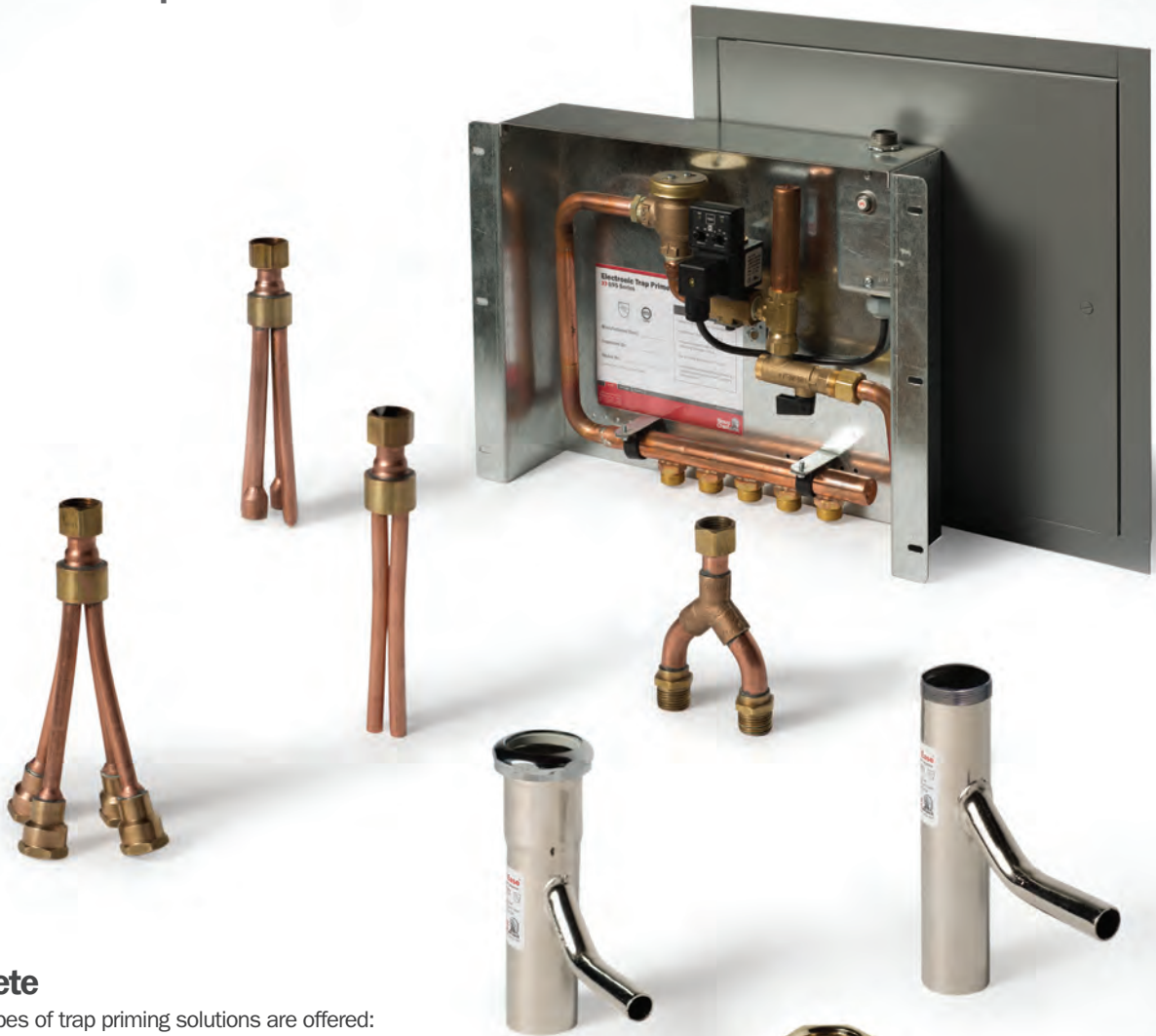
3 = Max. exposure of 6 months

Integer 3&4: (HDS @ 73°F). 100 psi

06 = 630 psi

Trap Primers

» Engineered Trap Seal Protection



Complete

All three types of trap priming solutions are offered: mechanical, electronic and gravity-fed.

Dependable

Designed to last. Large port openings do not clog. Self-charges with air to prevent waterlogging.

Certified

ASSE 1018 and ASSE 1044 listed products with wide acceptance by engineers and code officials.

Engineered

No adjustments required. Largest volume of water release in the industry.

Supply

Drainage

Support

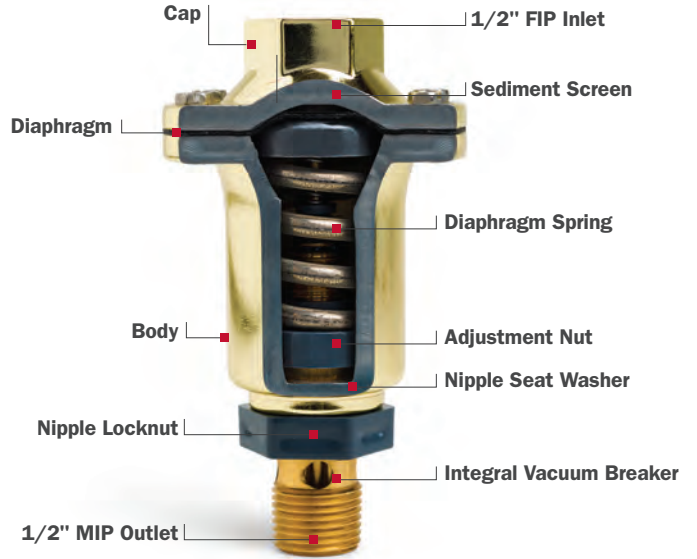
www.siouxchief.com

TAKE THE FIELD.



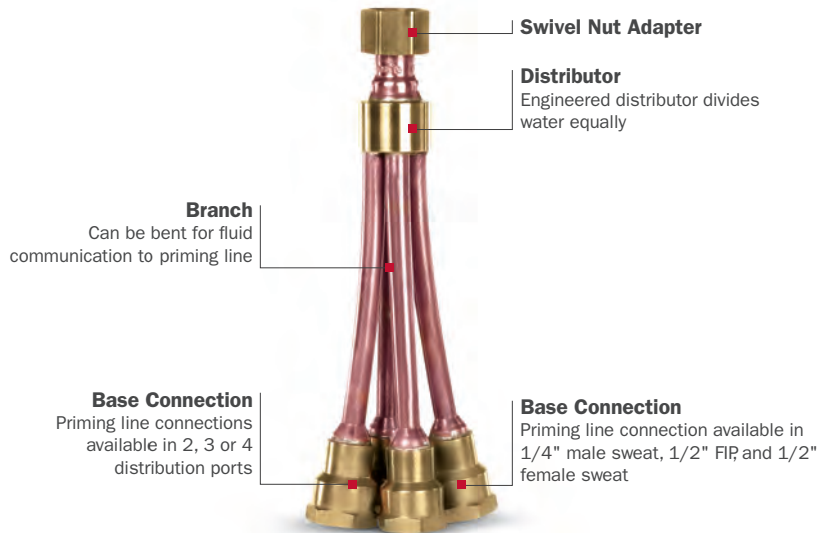
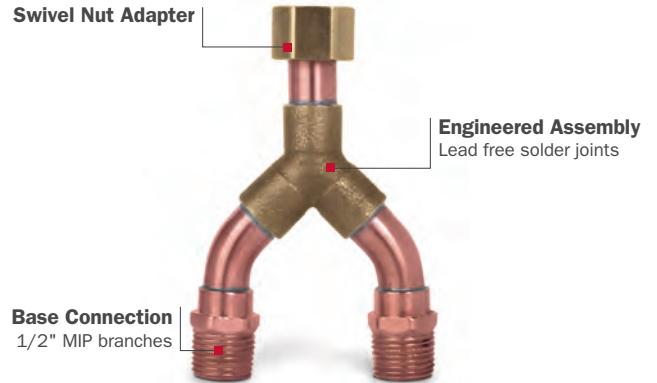
PrimePerfect™

- Made in the USA
- Perfectly primes and maintains the code-mandated water trap seal
- ASSE 1018 listed
- Factory-set .25 oz. activation with 10 PSI pressure drop from 30-150 PSIG
- Large internal port & screen will not clog
- Self charging & will not waterlog



Distributors & Adaptors

- Made in the USA
- Used in combination with mechanical and electronic models to add priming lines to drains or to divide priming activation up to eight drains
- Easy and economical way to satisfy p-trap seal replenishment
- Engineered to distribute drainage equally



TrapEase™

- Made in the USA
- ASSE 1044 listed
- Economical – the most cost-effective trap priming solution
- Green – uses 'gray water' to replenish traps

Electronic Trap Primers

- Made in the USA
- Latest testing procedures and quality materials used
- Perfect for infrequently used or remote trap seal necessity or for multiple trap replenishment
- ASSE 1044
- Solenoid activated distribution
- Frequency and duration can be adjusted



Surface Mount

- Comes standard with accessible box and box cover
- Available with 5, 10, 15, 20 or 30 ports



Individual

- Available as an individual primer or for use in conjunction with distribution accessories for up to 8 drains
- Perfect for remote drains



Recessed Mount

- Available in an access box for recessed installs, access panel sold separately
- Available with 5, 10, 15, 20 or 30 ports



695-01



695-Y52



695-3P



200-092



695-ER10

» Buying Information

ITEM #	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.
PRIME PERFECT				
695-01	Prime Perfect Trap Primer Valve	B*	1	24
TRAP-EASE				
200-090	22 Gauge, Unfinished, 1 1/2" x 8" Direct Connect Trap Primer Tailpiece	B	25	25
200-092	22 Gauge, Chrome, 1 1/2" x 8" Direct Connect Trap Primer Tailpiece	B	25	25
206-096	20 Gauge, Chrome, 1 1/2" x 8" Slip-Joint Trap Primer Tailpiece	B	25	25
213-090	20 Gauge, Unfinished, 1 1/4" x 6" Fine Thread Trap Primer Tailpiece	B	25	25
213-092	20 Gauge, Chrome, 1 1/4" x 6" Fine Thread Trap Primer Tailpiece	B	25	25
ELECTRONIC TRAP PRIMER – SURFACE MOUNT BOX & PANEL				
695-ES05	5 Port	B	1	1
695-ES10	10 Port	B	1	1
695-ES15	15 Port	B	1	1
695-ES20	20 Port	B	1	1
695-ES30	30 Port	B	1	1
ELECTRONIC TRAP PRIMER – RECESSED BOX				
695-ER05	5 Port	B	1	1
695-ER10	10 Port	B	1	1
695-ER15	15 Port	B	1	1
695-ER20	20 Port	B	1	1
695-ER30	30 Port	B	1	1
ELECTRONIC TRAP PRIMER				
695-ES01	Electronic Trap Primer Surface Mount	B	1	1
PRIMING DISTRIBUTION				
695-Y52	Two 1/2" MIP Branches	B	1	10
695-D20	Two 1/4" Male Sweat Branches	B	1	16
695-D30	Three 1/4" Male Sweat Branches	B	1	16
695-D40	Four 1/4" Male Sweat Branches	B	1	16
695-D432	Two 1/4" Male Sweat Branches, Two Spin-closed Branches	B	1	16
695-D432F	Four 1/2" FIP Branches W/ Two Plugs	B	1	10
695-D4325	Two 1/2" Female Sweat Branches, Two Spin-closed Branches	B	1	16
TRAP PRIMER DRAINAGE ADAPTER				
695-2A	2" Sch. 40 Hub Adapter W/ 1/2" FIP Port, ABS	B	1	10
695-3A	3" Sch. 40 Hub Adapter W/ 1/2" FIP Port, ABS	B	1	10
695-4A	4" Sch. 40 Hub Adapter W/ 1/2" FIP Port, ABS	B	1	10
695-2P	2" Sch. 40 Hub Adapter W/ 1/2" FIP Port, PVC	B	1	10
695-3P	3" Sch. 40 Hub Adapter W/ 1/2" FIP Port, PVC	B	1	10
695-4P	4" Sch. 40 Hub Adapter W/ 1/2" FIP Port, PVC	B	1	10
METAL ACCESS PANEL				
971-1414	Gray Prime-Coat Metal Access Cover	B	1	1
971-1430	Gray Prime-Coat Metal Access Cover	B	1	1

PACKAGING:

B = Bulk

* Individually Bar-Coded

24110 South Peculiar Drive

Peculiar, Missouri 64078

P 1.800.821.3944

F 1.800.758.5950

#LT1-TRAP PRIMER

www.siouxchief.com

A.9/13 TRAP PRIMER



New Product Announcement

Matte Black Shower Strainers

Date: January 2020

Sioux Chief introduces the newest addition to our line of premium shower drain strainers. The new Matte Black strainers are currently in stock.

Sioux Chief's Matte Black strainers are coated using a PVD process for an attractive, long-lasting, and durable finish.



Item	Description	Min	Case
18-Ga. Snap-In Strainer			
827-2SMQPK1	Square snap-in strainer - matte black finish - 1/clamshell	1	5
827-2SMRPK1	Round snap-in strainer - matte black finish - 1/clamshell	1	5
Cast Ring & Strainer			
821-2SMQPK2	Square cast ring/strainer - matte black finish - 1/clamshell	1	5
821-2SMRPK2	Round cast ring/strainer - matte black finish - 1/clamshell	1	5

Product Update – New design

METAL HEAD CPVC & PVC Transition Adapters

Date: June 2019

Sioux Chief has updated the design of the large-diameter, threaded transition adapters for CPVC and PVC – which includes 1¼”, 1½”, and 2” models. The new brass-bodied design will replace the previous, soldered-copper items. This will be a rolling change – copper models will be phased out, and when stock is depleted, the new brass-body item number should be used (see below).



The new brass body is made from top-quality, brass material, which is No Lead compliant and resistant to dezincification and stress-corrosion cracking. The new design is much more compact, but still incorporates a completely shrouded CPVC or PVC socket to protect the glue joint.

Old Copper Item No	NEW Brass Item No	Description	Min	Case
CPVC x Thread Adapters				
646-C5	646-CG5	1-1/4” CPVC Socket x 1-1/4” MIP thread adapter	10	10
646-C6	646-CG6	1-1/2” CPVC Socket x 1-1/2” MIP thread adapter	10	10
646-C7	646-CG7	2” CPVC Socket x 2” MIP thread adapter	10	10
647-C5	647-CG5	1-1/4” CPVC Socket x 1-1/4” FIP thread adapter	10	10
647-C6	647-CG6	1-1/2” CPVC Socket x 1-1/2” FIP thread adapter	10	10
647-C7	647-CG7	2” CPVC Socket x 2” FIP thread adapter	10	10
PVC x Thread Adapters				
646-P5	646-PG5	1-1/4” PVC Socket x 1-1/4” MIP thread adapter	10	10
646-P6	646-PG6	1-1/2” PVC Socket x 1-1/2” MIP thread adapter	10	10
646-P7	646-PG7	2” PVC Socket x 2” MIP thread adapter	10	10
647-P5	647-PG5	1-1/4” PVC Socket x 1-1/4” FIP thread adapter	10	10
647-P6	647-PG6	1-1/2” PVC Socket x 1-1/2” FIP thread adapter	10	10
647-P7	647-PG7	2” PVC Socket x 2” FIP thread adapter	10	10

Replaceable Valves

▶▶ For Sioux Chief Access Products



Universally Replaceable

New, patented valve design can be replaced with ANY, standard 5/8" OD compression valve. Incorporated into all Sioux Chief OxBox and other Access products.

Convenient

Easy to install, Easy to replace. A wide range of supply and outlet connections. All fixture outlet solutions available.

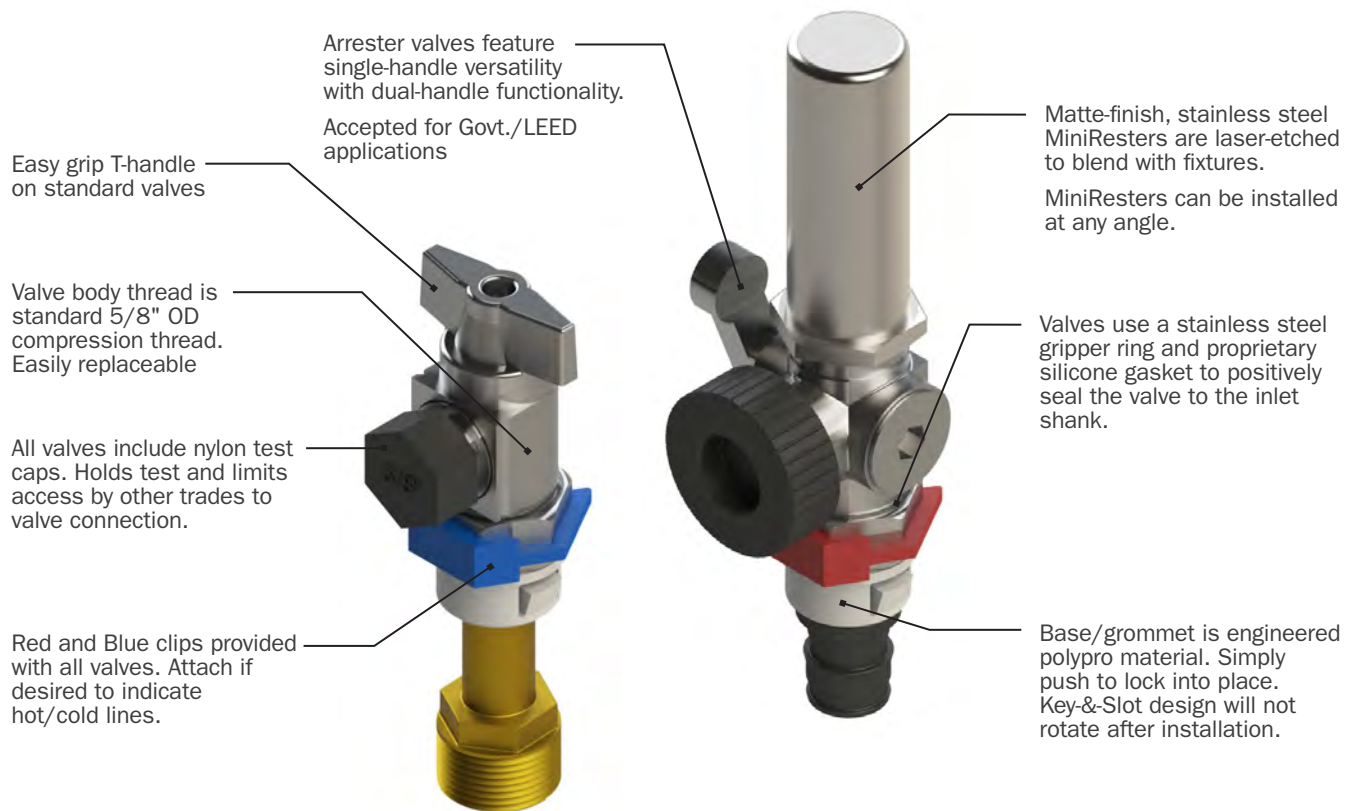
Quality

Attractive, plated valves are certified and compliant.

No-lead brass material is C69300 - the industry-leading material for dezincification and SCC resistance.



Patented Valve Design Exclusive to Sioux Chief Access products.



Connection Types:



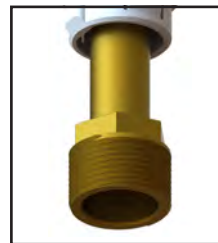
ASTM F1960 Grip™



ASTM F2159 Crimp™



CPVC Male



MIP/F.SWT



M.SWT/Push/Press with push-fitting lock groove

Outlet Options:



1/4" Compression Outlet



3/8" Compression Outlet



3/4" Male Hose Outlet

Compression-thread outlets connect easily to supply lines.

Use 1/4" for ice maker lines, 3/8" for lavatory, toilet, and dishwasher supply, and 3/4" male hose for laundry/appliance connections.

MiniResters are recommended for Ice maker, laundry, and dishwasher applications.

New Product Announcement

Shower Arm Test Plug

Date: February 2019



The new shower arm stub-out test plug is now available from Sioux Chief. This new plug joins other Test Devices in Sioux Chief's Drainage product group.

The test plug is designed to thread into 1/2" FIP threads and seals with a gasket, making it perfect for drop-ear elbows in tub/shower rough-ins. The plug can be left in place while drywall is installed, then removed and replaced with the shower arm. Made from tough, reinforced polypropylene, the plug is durable and reusable. Plugs are packed six to a bag (min qty.) and 24 to a box.

The 882-647 item is listed on the current Price Index, and on the Sioux Chief website [HERE](#). A one-page flyer (copy attached) is available for download under the [Brochures] tab.



Shower Arm Test Plug
Item No. 882-647

New Product Announcement

F1807 & F1960 PEX Multiport Tees

Date: May 2019

Sioux Chief introduces the newest addition to the PowerPEX® family of PEX fittings. Multiport tees for ASTM F1807 and F1960 systems are now available. These tees are made from top-quality, C69300 brass material, which is No Lead compliant and resistant to dezincification and stress-corrosion cracking. Several trunk and branch patterns are available to suit most applications.



Multiport tees are commonly used to distribute water supply to “groups” of plumbing fixtures – like a bathroom or kitchen group. They are also an ideal alternative for some slab manifold applications.

Item	Description	Min	Case
ASTM F1807 PEX			
672XGT0390	F1807 Multiport tee - (3) 1/2" branches, (1) 3/4" trunk end	10	100
672XGT0399	F1807 Multiport tee - (3) 1/2" branches, (2) 3/4" trunk ends	10	100
672XGT0490	F1807 Multiport tee - (4) 1/2" branches, (1) 3/4" trunk end	10	100
672XGT0499	F1807 Multiport tee - (4) 1/2" branches, (2) 3/4" trunk ends	10	100
ASTM F1960 PEX			
672WGT0390	F1960 Multiport tee - (3) 1/2" branches, (1) 3/4" trunk end	10	100
672WGT0399	F1960 Multiport tee - (3) 1/2" branches, (2) 3/4" trunk ends	10	100
672WGT0490	F1960 Multiport tee - (4) 1/2" branches, (1) 3/4" trunk end	10	100
672WGT0499	F1960 Multiport tee - (4) 1/2" branches, (2) 3/4" trunk ends	10	100

Product Update – New design

MiniRester™ Model 660-WG2B (cold expansion PEX)

Date: June 2019

Due to the increased sales volume of our 660-WG2B 1/2" F1960 MiniRester, Sioux Chief has updated its design. This model is now assembled with a stainless steel barrel. The design, components, and production assembly are similar to our other high-volume MiniResters, such as the 660-G2B, 660-GTR1B, and others.



as

As the sales volume of a particular MiniRester style increases to a certain level, we are able to automate the manufacturing, which keeps costs down, increases our capacity, and helps keep plenty of inventory on the shelf. The 660-WG2B model now falls into that high volume category.

Product Update – New design

CPVC Ball Valves

Date: July 2017

Sioux Chief has updated and improved the design of the CPVC ball valve offering. Ball valves with CPVC connections will no longer use a copper extension surrounding the CPVC socket.

The CPVC socket in new style valves will be enclosed in the brass valve body itself, making the product more compact, more consistent and easier to manufacture. This change will also affect all items/products that have a CPVC valve incorporated into them, such as water heater connectors.



Item No	Description	Length	Pkg	Min Qty	Case Qty
FULL PORT					
648-CG2FP	½" CPVC	2¾"	B	10	10
648-CG3FP	¾" CPVC	3¾"	B	10	10
648-CG4FP	1" CPVC	4"	B	10	10
648-CG5FP	1¼" CPVC	8¼"	B	5	5
648-CG6FP	1½" CPVC	10"	B	1	1
648-CG7FP	2" CPVC	11½"	B	1	1

Product Update – New design

TD+™ Universal Pipe and Strut Clamp

Date: February 2017

Sioux Chief is pleased to announce the addition of the new TD+™ product line of Universal Pipe and Strut Clamps, which will replace the TouchDown II™ flat bases and strut foot models.

» 550-21 Series



Features & Benefits of the new TD+™ clamps:

- Unique “vw-shaped” base for supporting multiple supply lines
- Unique “vw-shaped” bridge on top and bottom surfaces
- Longer ear-tabs on the bridge for easier bridge removal
- Deeper teeth to better engage the bridge
- Taller uprights for more clamping area when stacking lines
- Strut clamp has two metal inserts preventing clamp from slipping in the strut channel.
- Optional PipeDown™ noise absorbing cushions.

New Product Announcement

821 Series Shower Drain – Square Snap-in

Strainer

Date: October 2018

Sioux Chief introduces the newest addition to our family of 821 Series shower pan drains. A square version of the popular snap-in stainless steel strainer is now available.

The new strainer is made from the same polished, 19-gauge, 430 stainless steel material as the round version, and shares the same grid pattern. However, the new square strainer models will utilize a square-top gray ABS head, which will provide load support and a thin, integral grout rim.

This new drain option offers customers a compromise between the round, stamped strainer and the premium, square, cast metal ring/strainer models.



PVC Item No.	ABS Item No.	Description	Min	Case
821-270PQ	821-270AQ	Shower drain with 19-ga. Square strainer	20	20
821-T270PQ	821-T270AQ	Drain above with DoubleDuty™ test plug	10	10
	821-2LSNQ	Head/strainer only - 19-ga. Sq strainer	10	10
	827-2SQ	Sq. Replacement strainer – Stainless	1	100
	827-2RBQ	Sq. Replacement strainer – Oil-rubbed Bronze finish	1	100
	827-2SNQ	Sq. Replacement strainer – Satin finish	1	100

New Product Announcement

Extension Adapter for 821 Shower Drains

Date: July 2017

The 821-EX2 threaded extension adapter for our 821 Series shower drains is now available. The new adapter was designed to raise the shower drain head when thicker mortar beds are used or anytime additional height for the drain head is needed.

The extension adapter installs between the clamping collar and the drain head, and will adjust the head from 2-5/8" min, to a max height of 5-1/8" (when the clamping collar is flipped). Adapters are corrosion-resistant ABS material and can be stacked if needed.



Item No.	Description	Min	Case
821-EX2	Extension adapter for 821 Series shower drains	1	1

F1960 (Uponor) x 1/2" FIP Wal-Let

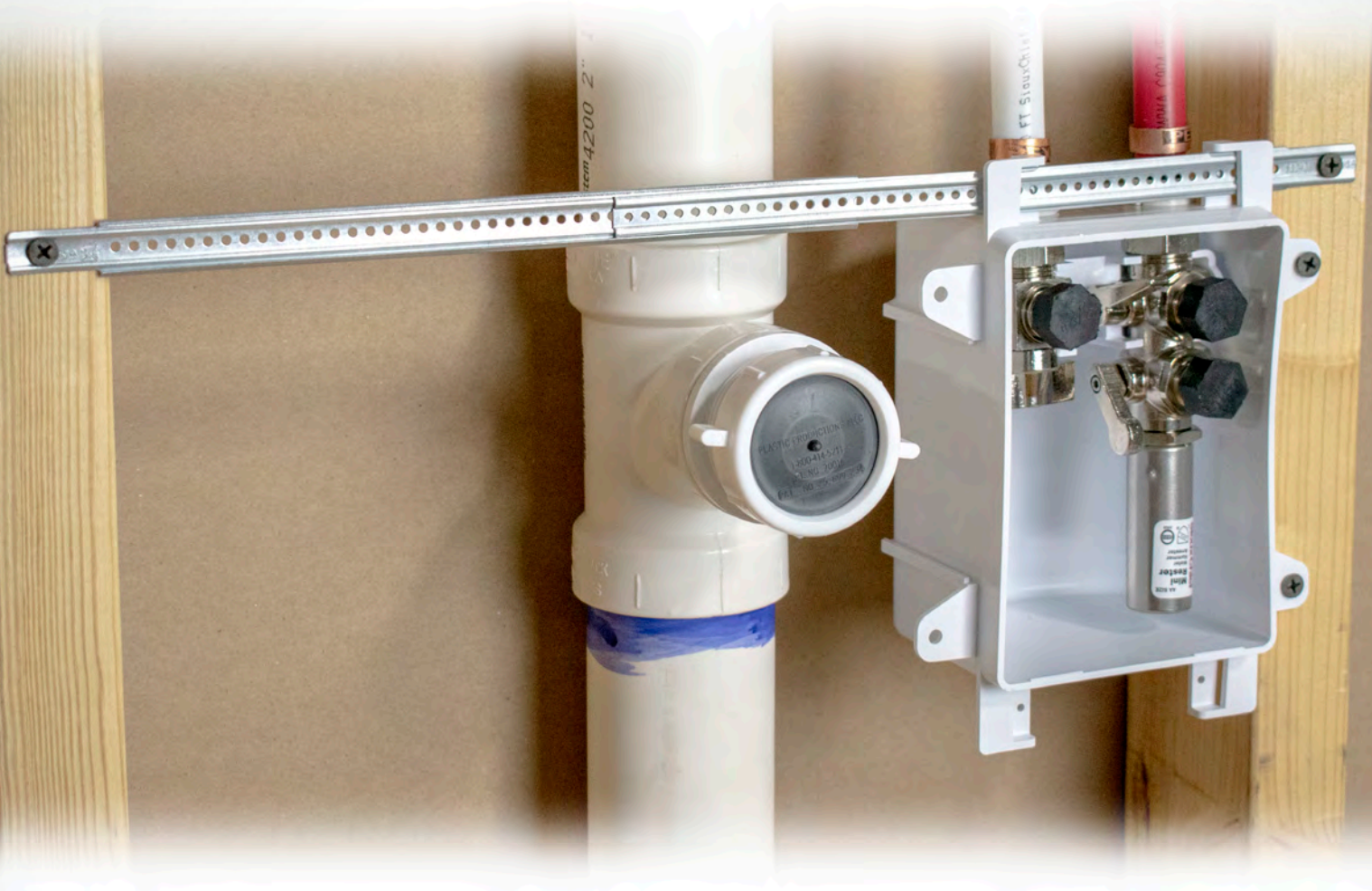


Part Number 615W216



OxBox™

Supply Access Box for Kitchens



Fast

Installs quickly with supply from above or below.

Valves are installed at rough, keeping them on test throughout the job. No drain down.

Reduced Liability

Fewer potential leaks. Don't cut into the lines at finish.

No wobbly stub outs, exposed tube/joints, inferior valves, or unsure bracketing.

Standardized

Installations are consistent – Clean, solid and professional.

Valves are replaceable with standard 5/8" OD supply stops.

Replaces variability in installation of stub out, bracket, escutcheon, and valve.



Supply

Drainage

Support

Specialties

www.siouxchief.com

TAKE THE FIELD.



Double Valve Flow @ 60 psi Static

Optional arresters for quick-closing dishwasher and icemaker valves.

All valves include nylon, hex test cap. Holds test and limits access by other trades to valve connection

Captured 5/8" compression thread valve base works with all common valves. Easily replaceable



One-Fixture Water Demand (single outlet use)
5.1 GPM (top or bottom outlet)

Two-Fixture Water Demand (simultaneous use)
2.0 GPM (top) | 3.3 GPM (bottom)

Attractive, plated valves with easy-grip handles

Red and Blue clips provided with all valves. Attach to indicate hot/cold lines



696-G3011WR



696-G4021WR



696-1F

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[CLICK FOR FIRE-RATED SUBMITTAL](#)

Buying Information

1/2" MALE CPVC ITEM NO.	1/2" MIP/F.SWT ITEM NO.	1/2" MSWT* ITEM NO.	1/2" F1960 PEX ITEM NO.	1/2" F1807 PEX ITEM NO.	DESCRIPTION	MIN. QTY.	CASE QTY.
OXBOX™ SUPPLY BOX with THREE Valve Outlets							
696-G3011CR	696-G3011MR	696-G3011PR	696-G3011WR	696-G3011XR	TWO 3/8" Hot Outlets, Hot-Side Arrester ONE 3/8" Cold Outlet	10	10
696-G3014CR	696-G3014MR	696-G3014PR	696-G3014WR	696-G3014XR	ONE 3/8" Hot Outlet ONE 3/8" Cold Outlet / ONE 1/4" Cold Outlet, Cold-Side Arrester	10	10
696-G3021CR	696-G3021MR	696-G3021PR	696-G3021WR	696-G3021XR	TWO 3/8" Hot Outlets, Hot-Side Arrester ONE 3/8" Cold Outlet, Cold-Side Arrester	10	10
696-G3024CR	696-G3024MR	696-G3024PR	696-G3024WR	696-G3024XR	ONE 3/8" Hot Outlet, Hot-Side Arrester ONE 3/8" Cold Outlet / ONE 1/4" Cold Outlet, Cold-Side Arrester	10	10
OXBOX™ SUPPLY BOX with FOUR Valve Outlets							
696-G4021CR	696-G4021MR	696-G4021PR	696-G4021WR	696-G4021XR	TWO 3/8" Hot Outlets, Hot-Side Arrester TWO 3/8" Cold Outlets, Cold-Side Arrester	10	10
696-G4024CR	696-G4024MR	696-G4024PR	696-G4024WR	696-G4024XR	TWO 3/8" Hot Outlets, Hot-Side Arrester ONE 3/8" Cold Outlet / ONE 1/4" Cold Outlet, Cold-Side Arrester	10	10
ACCESSORIES							
696-1F	White OxBox frame - paintable ABS					10	10
697-1F	Stainless steel OxBox frame					10	10
696-SC1	OxBox frame insert with hose knockout					10	10
696-EX	OxBox frame extension					10	10
305-RT	Grommet removal tool - use to remove valve from box					10	10

* Male sweat connections are Press/Push-fit compatible

WiderSlider™

Adjustable Galvanized Bracket



User Friendly

Pilot holes allow for faster 2-eared DE-90 installations. When a 3-eared DE-90 is preferred, secure the fitting with self-tapping screws.

Each bracket has pre-dimension hash marks for more precise installations and the tabs are easily bendable offering $\frac{3}{4}$ ", $1\frac{1}{2}$ " or $2\frac{1}{8}$ " depths within the stud cavity.

Pre-assembled

Pre-assembled and fully adjustable with interlocking tab to secure safe overlap and prevent disassembly. Available in two lengths for 16" and 24" stud bays.

Durable & Reliable

WiderSlider™ adjustable brackets are $1\frac{3}{8}$ " wide x 22-gauge high quality G90 pre-galvanized steel. Best of all, they're made in the USA.



Supply

Drainage

Support

Specialties

www.siouxchief.com

TAKE THE FIELD.



Installation Guidelines



1. Bend tabs to accommodate 3/4", 1 1/2" or 2 1/8" depths from face of stud.

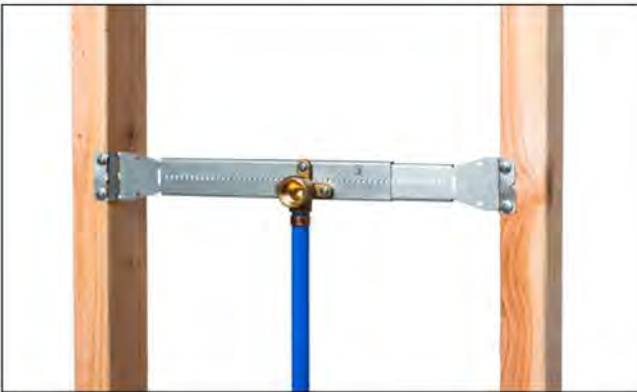


2. Secure bracket to stud or floor joist with at least 4 screws (not included).



3. Secure DE-90 elbow, pipe clamps, or tube straps directly to bracket.

Pilot holes allow for faster 2-eared DE-90 installations. When a 3-eared DE-90 is preferred, secure with any self-tapping screw.



Completely adjustable to fit a range of depths to align with the shower valve.



Ideal for 24" metal stud bays.



520-616



520-626

» Buying Information				
ITEM NO.	DESCRIPTION	PKG	MIN. QTY.	CASE QTY.
OXBOX™ SUPPLY BOX with THREE Valve Outlets				
520-616	For 16" stud bays with 9 - 15 adjustability	B	50	50
520-626	For 24" stud bays with 13" - 23" adjustability	B	50	50

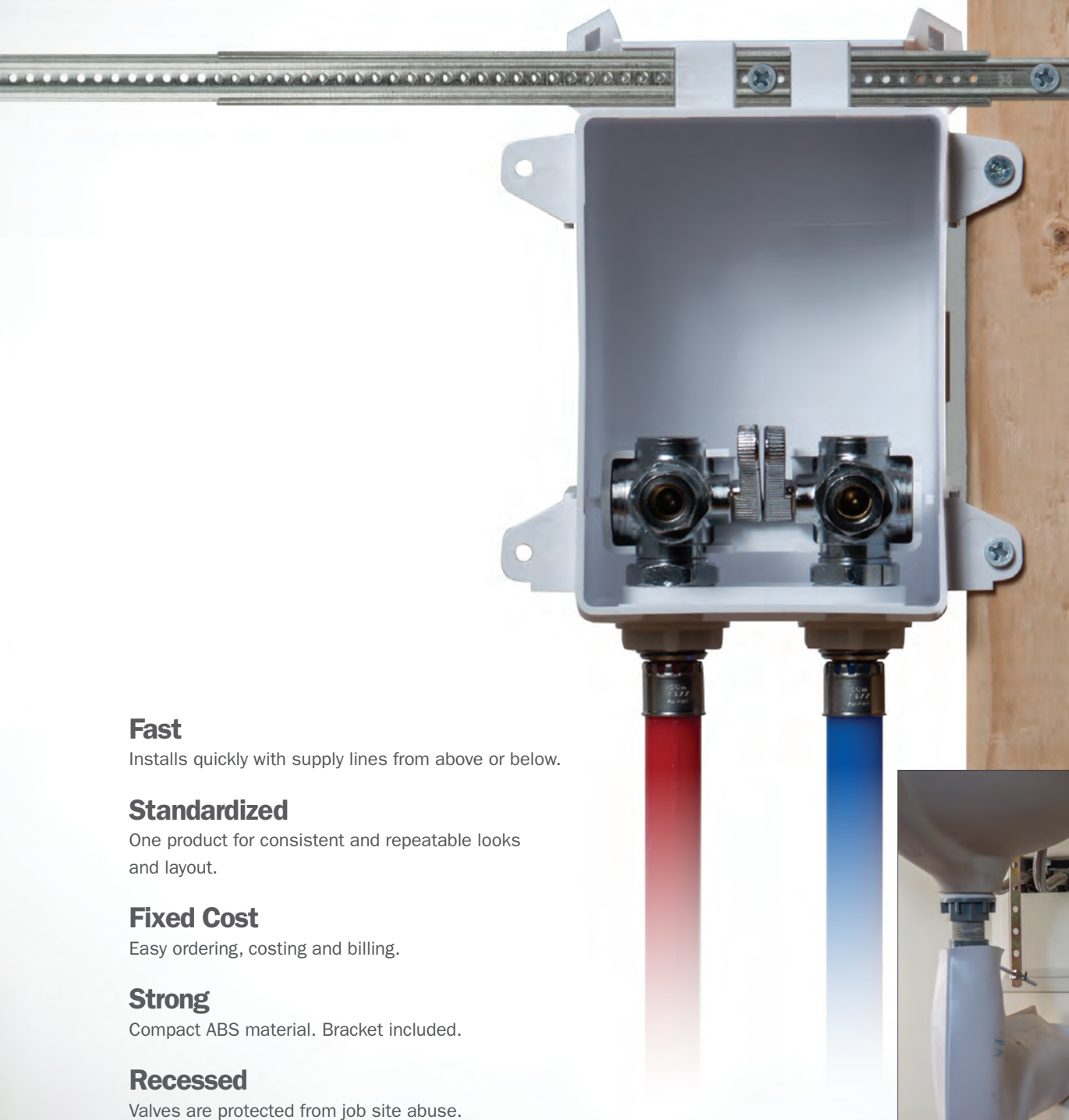
PACKAGING:
B = Bulk

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Ox Box™

»» Lavatory Outlet Box



Fast

Installs quickly with supply lines from above or below.

Standardized

One product for consistent and repeatable looks and layout.

Fixed Cost

Easy ordering, costing and billing.

Strong

Compact ABS material. Bracket included.

Recessed

Valves are protected from job site abuse.



Supply

Drainage

Support

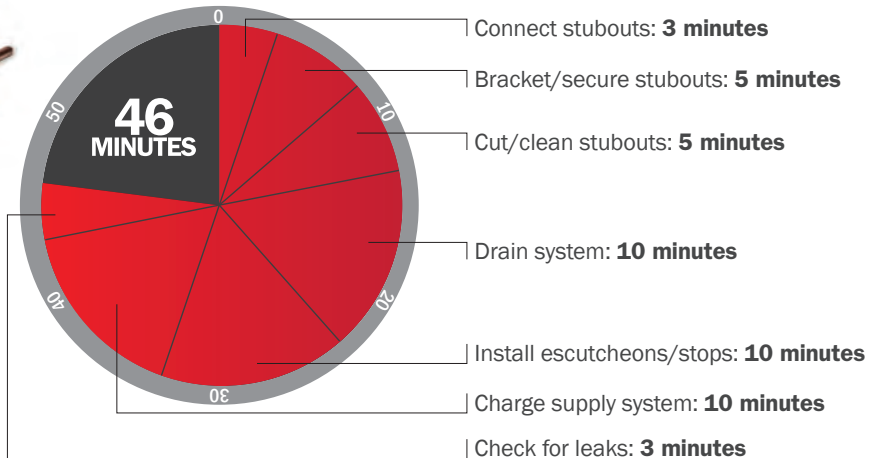
www.siouxchief.com

TAKE THE FIELD.



Installation Comparison

Traditional Installation



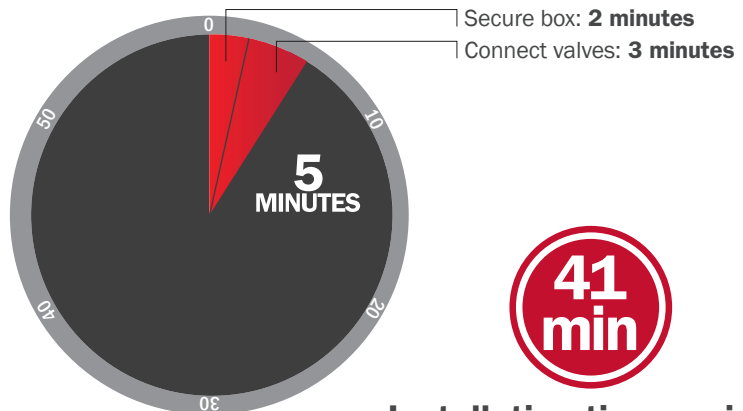
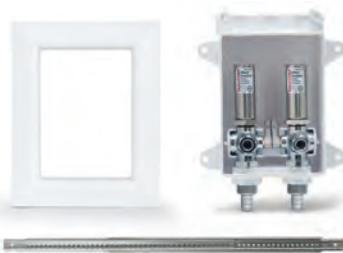
Materials

- Two Stub Outs \$ _____
- Two Supply Stop Valves \$ _____
- Escutcheons \$ _____
- Bracketing Solution \$ _____

Note: Time estimates assume all tools & materials are readily available.



Lav Box Installation



Installation time savings

Materials

Sioux Chief Lav Box \$ _____

Features & Benefits



Simple

One product, one frame. Easy sourcing, planning, costing and bidding.



Fast

Eliminates multiple touches. Eliminates the system drain-down, recharging and leak detection steps.



Savings

Material savings and labor savings transition variable costs into a known and reduced fixed cost.



Consistent

Standardized finish and valve layout every time. Every installation will look the same.



Strong

The box acts as the bracket. Added support bar protects the box during the drywall installation.



Quality

High quality valves and materials including highly durable ABS. Brass alloy is no lead, dezincification-resistant and stress-corrosion cracking-resistant.



Aesthetically Pleasing

High quality finish with beveled and contoured frame that can be painted or wall papered.



Liability vs. Warranty

Reduced chance for leak. Typical joints that are made during the finish phase are replaced by a warranted product.



OxBox System

All OxBox products have one frame size.



Maintenance

Valve seats can be replaced if fouled by debris.



Made in USA

The OxBox is made in the USA from top quality materials, including no lead valves.



Rough-In Install

Boxes eliminate valve installation at finish, reducing the chance for leak.

Installation Options



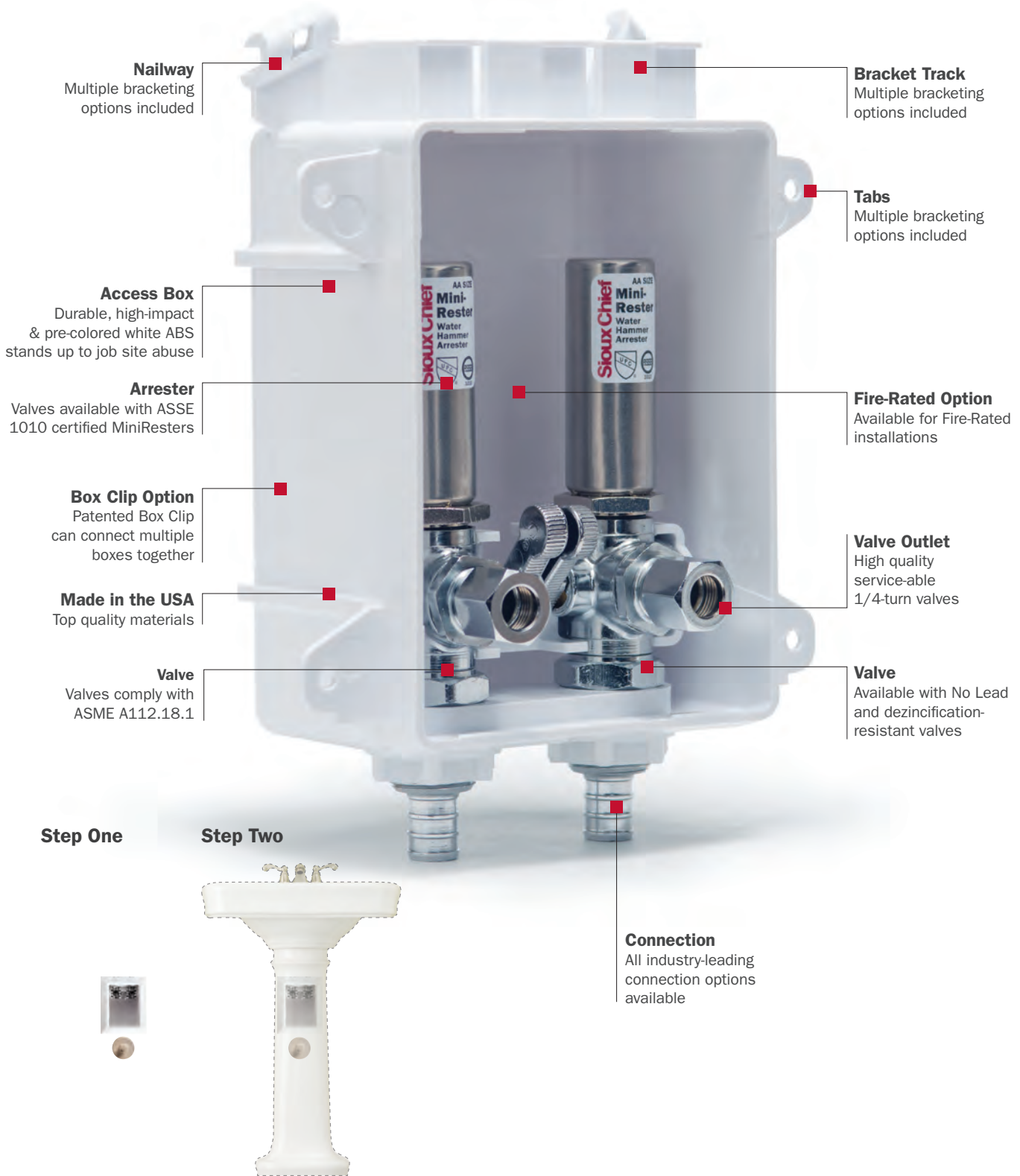
Installs on or between studs



Installs with supply from above or below

“The consistent and repeatable installations and look of the OxBox Lav Box was enticing. Its comparative time and material cost savings over traditional installations just makes sense.”

Tim Fortin
John W Danforth Co
Tonawanda, NY



Nailway
Multiple bracketing options included

Bracket Track
Multiple bracketing options included

Tabs
Multiple bracketing options included

Access Box
Durable, high-impact & pre-colored white ABS stands up to job site abuse

Fire-Rated Option
Available for Fire-Rated installations

Arrester
Valves available with ASSE 1010 certified MiniResters

Valve Outlet
High quality service-able 1/4-turn valves

Box Clip Option
Patented Box Clip can connect multiple boxes together

Made in the USA
Top quality materials

Valve
Valves comply with ASME A112.18.1

Valve
Available with No Lead and dezincification-resistant valves

Step One

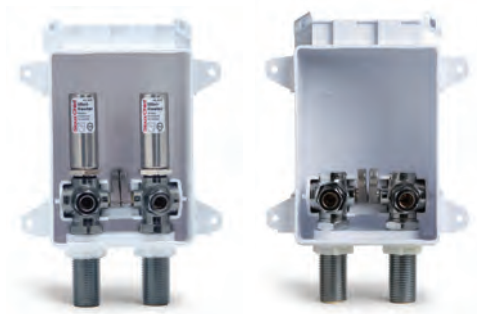
Step Two

Connection
All industry-leading connection options available

Options & Product Variations

Arrester Product or Standard

- All boxes available in arrester options



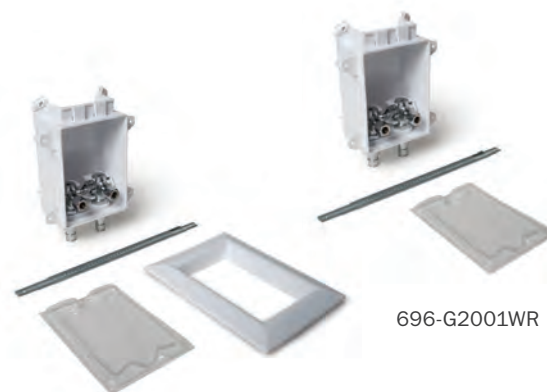
No Lead Inlet Connections

- All common connection styles available
- No lead valves are additionally dezincification-resistant and stress-corrosion cracking-resistant



Rough-In Pack or Standard Pack

- All product is either offered with frame as standard pack or without frame as rough-in pack
- Rough-in packs ship separate from frames, keeping frames clean and secure until the job's end



696-G2001WF

Fire-Rated or Regular

- Fire-rated OxBox products are certified by Intertek/Warnock Hersey to the following:

ASTM E-814

2 hours (F), 1½ hours (T)
for 2-hour design
1 hour (F), 31 min (T)
for 1-hour design

UL 1479

ASTM E-119

2 hours (F), 1½ hours (T)
for 2-hour design
1 hour (F), 31 min (T)
for 1-hour design

CAN/ULC S115



Accessories

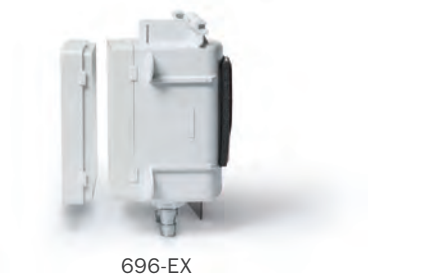
Frame & Frame Inserts

- The single frame is the same size for all OxBox access boxes
- Notched frame insert conceals the valves and inhibits tampering of valves, leaving hose access
- Frame and frame inserts can be painted or wall-papered to match room decor



Frame Extensions

- Add 1/2" of additional depth per extension
- Frame extensions can be stacked
- Perfect for attaching frame past the gap between the wall and cabinet back



Caps

- Protect valves from undesired operation
- Brass caps with gasket for testing and valve operation protection



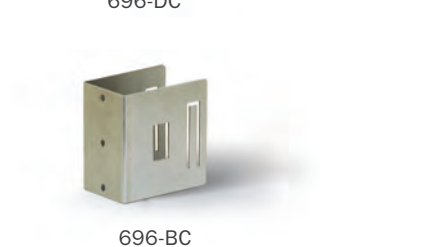
Debris Cover

- Provided to protect OxBox from drywall dust and debris



Box Clip

- Use to strengthen an installation or connect multiple boxes
- Tab folds into metal stud cavity for added rigidity



Sliding Support Bracket

- Used to affix box between studs
- Provides protection from drywall installers
- Adjustable length from 9" to 18"



Application Variations & Layout Options

Kitchen Sink

- Couple Lav box with a single 3/8" compression or 3/4" hose water service box for all supply needs



Side x Side Lav

- Perfect for residential or commercial applications
- Compact box size allows for multiple boxes & drainage in one stud bay



The OxBox System



OxBox
Washing
Machine



OxBox ONE™
Washing Machine



OxBox
Icemaker



OxBox
Toilet &
Dishwasher



OxBox
Gas



OxBox
AAV Box



OxBox 3/4" Hose
Water Service



696-G2001MR



696-G2011MF



696-G2001MF

Buying Information

ITEM NO.	DESCRIPTION	U/M	PKG.	MIN. QTY.	CASE QTY.
OXBOX LAV BOX – STANDARD PACK, NO LEAD					
696-G2001MF	1/2" Female Sweat	EA	BI	10	10
696-G2001CF	1/2" Male CPVC	EA	BI	10	10
696-G2001WF	1/2" ASTM F1960 PEX Grip	EA	BI	10	10
696-G2001XF	1/2" ASTM F1807 PEX Crimp	EA	BI	10	10
696-G2001AF	1/2" ASTM F2080 PEX Lock	EA	BI	10	10
OXBOX LAV BOX – ROUGH-IN PACK (1), NO LEAD					
696-G2001MR	1/2" Female Sweat	EA	BI	10	10
696-G2001CR	1/2" Male CPVC	EA	BI	10	10
696-G2001WR	1/2" ASTM F1960 PEX Grip	EA	BI	10	10
696-G2001XR	1/2" ASTM F1807 PEX Crimp	EA	BI	10	10
OXBOX LAV BOX – STANDARD PACK, NO LEAD W/ MINIRESTER ARRESTERS					
696-G2011MF	1/2" Female Sweat	EA	BI	10	10
696-G2011CF	1/2" Male CPVC	EA	BI	10	10
696-G2011WF	1/2" ASTM F1960 PEX Grip	EA	BI	10	10
696-G2011XF	1/2" ASTM F1807 PEX Crimp	EA	BI	10	10
OXBOX LAV BOX – FIRE RATED STANDARD PACK, NO LEAD					
696RG2001MF	1/2" Female Sweat	EA	BI	10	10
696RG2001CF	1/2" Male CPVC	EA	BI	10	10
696RG2001WF	1/2" ASTM F1960 PEX Grip	EA	BI	10	10
696RG2001XF	1/2" ASTM F1807 PEX Crimp	EA	BI	10	10
ACCESSORIES					
696-SC1	Solid Frame Insert W/ Valve Cutout	EA	B	10	10
696-BC	Box Clip	EA	B	10	10
696-C1	3/8" O.D. Compression Cap (2 Per Bag)	EA	B	10	10
696-EX	Frame Extension	EA	B	10	10
696-1F	OxBox Single Frame	EA	B	10	10
520-09	Sliding Support Bracket	EA	B	250	250

PACKAGING:
 B = Bulk
 I = Individually Bar-Coded

24110 South Peculiar Drive
 Peculiar, Missouri 64078
 P 1.800.821.3944
 F 1.800.758.5950

Build A Box: 696ABCD

A		B		C		D	
-G	No Lead	2001	Double 3/8" Supply Box Valve	M	1/2" Female Sweat	F	Standard Pack (W/ Frame)
RG	No Lead Fire Rated	2011	Double 3/8" Supply Box Valve W/ MiniRester Water Hammer Arrester	C	1/2" Male CPVC	R	Rough-In Pack (Frame Sold Separately)
				W	1/2" ASTM F1960		
				X	1/2" ASTM F1807		
				A	1/2" ASTM F2080		

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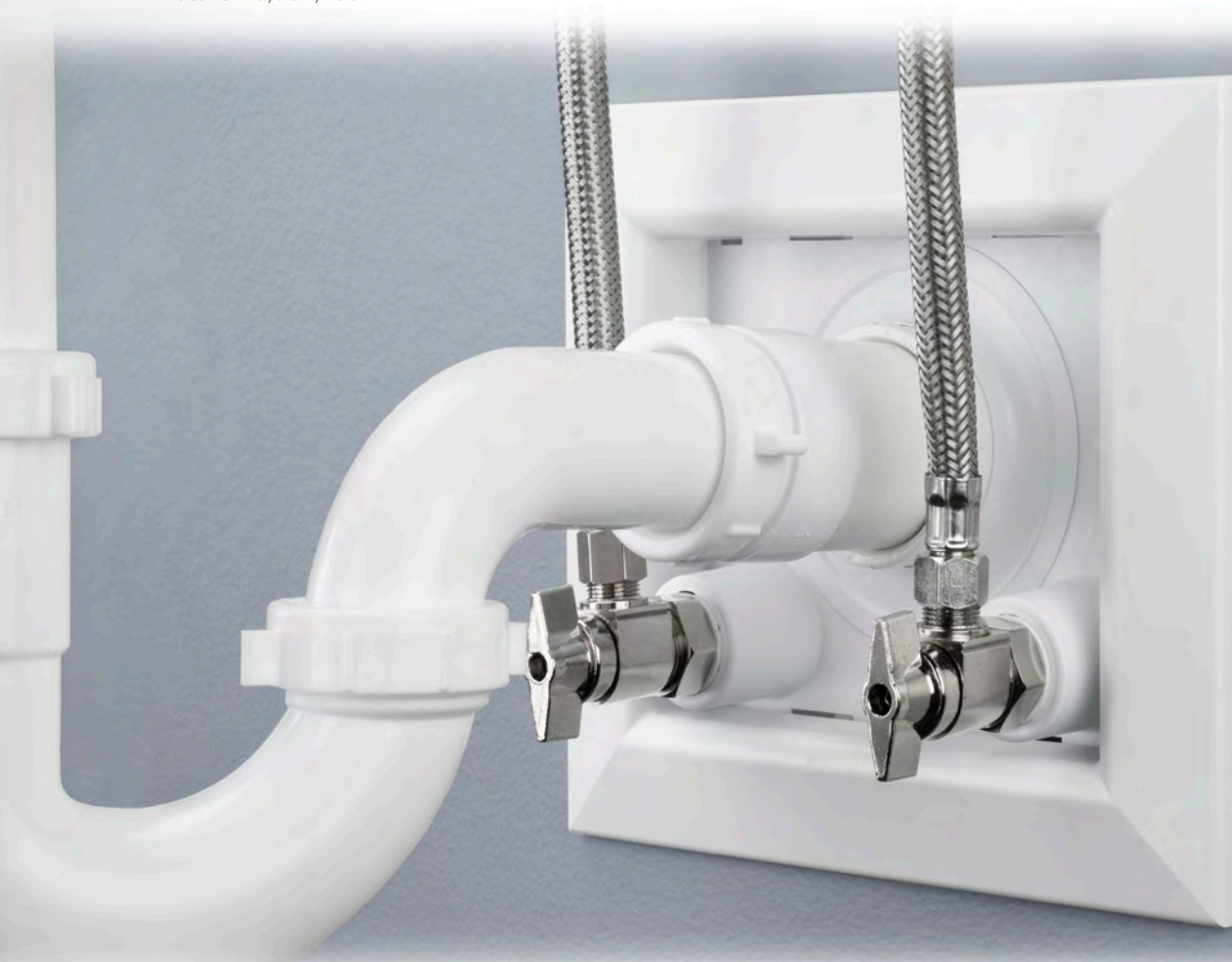
[CLICK FOR FIRE-RATED SUBMITTAL](#)



OmniPanel™

Dual-Valve Access Panel

Patent # 9,057,460 B2



Fewer Touches

Valves are installed at rough, keeping them on test throughout the job, no drain down.

Savings

Saves time with every installation.

No more separate parts and pieces – Multiple components are replaced by one easy-to-install product.

Reduced Liability

Fewer potential leaks from faulty installation.

No wobbly stub outs, exposed tube/joints or inferior valves.

Standardized

Installations are consistent – Clean, solid and professional.

Valves are replaceable with standard 5/8" OD supply stops.



Supply

Drainage

Support

Specialties

www.siouxchief.com

TAKE THE FIELD.



Recommended Installation

Supply Valves
Below Drainage

Strong



Engineered, reinforced material provides a solid foundation for permanent valve installation.

Convenient

Versatile mounting options. Fasten directly to stud or position between studs using brackets provided.

Universal



No need to tear into drywall. Valves are easily accessible from the finish side of the wall and can be replaced with ANY standard 5/8" OD compression stop valve

Lavatory



Pre-colored white material provides clean, consistent looks. Matching frames and extensions available.

Laundry



Works perfectly as a laundry supply panel. Use a flush-facing 2" DWV elbow for drain hose



Patented Elastomer

Flexible port seals around drainage arm. Accommodates penetrations from 1½" pipe to 2" DWV fitting hub.

Installs On or Between Studs



Set screw through panel to lock into place

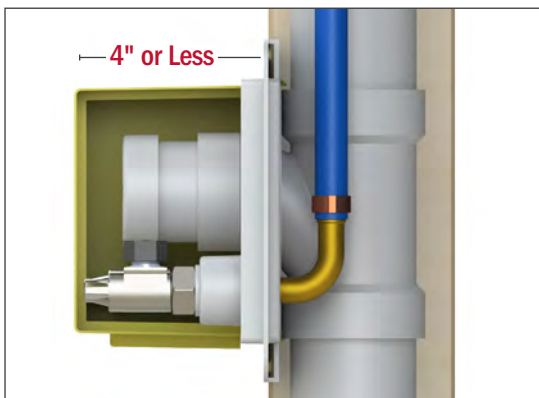
Protected



OmniPanel™ installs securely at rough-in. Valve caps, debris cover, and best-in-class materials protect installations during construction and over lifetime of the system.



All valves include nylon, hex test caps
No dropped tests. Resists tampering by other trades during construction.



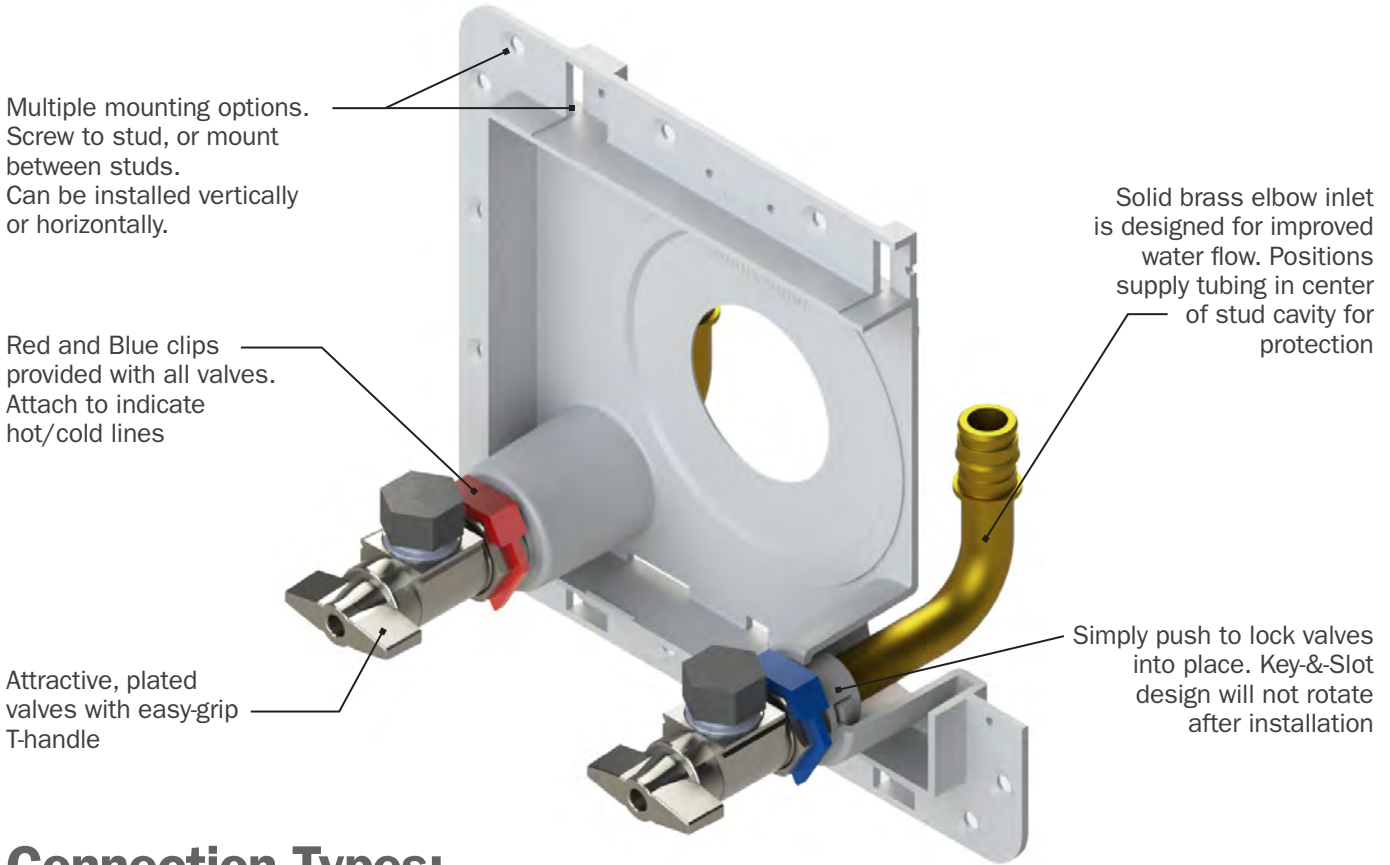
Drainage arm rough-in should be no longer than 4" to fit under the debris cover.



Use zip-ties (included) to keep debris cover in place. Keeps valves (and your pressure test) protected.

Patented Valve Design Exclusive to Sioux Chief Access products.

Patent # 9,725,892 B2



Connection Types:



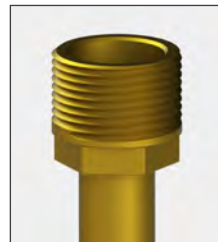
ASTM F1960 Grip™



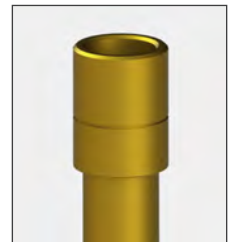
ASTM F1807 Crimp™



CPVC Socket



MIP/F.SWT



M.SWT/Push/Press with push-fitting lock groove

Valve Options:

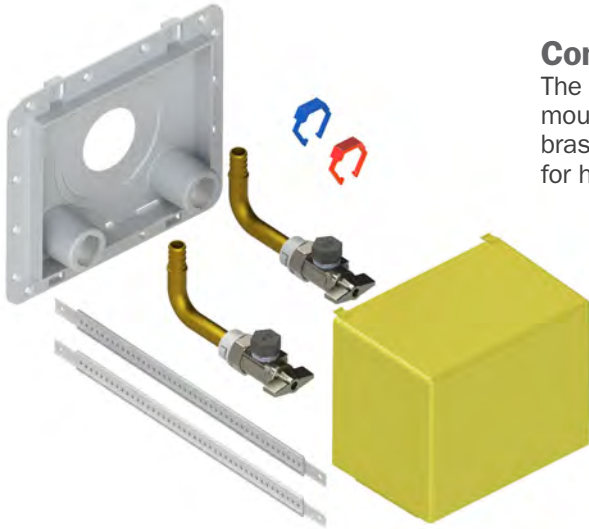


Optional MiniRestor™ provides code-required protection for appliances with quick-closing valves

Quality

Valves and connection elbows are made from C69300 brass; The **Best Material Available** for protection against dezincification and stress-corrosion cracking

Complete Rough-In Package



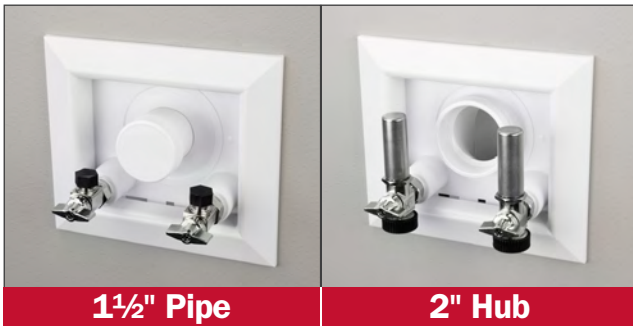
Complete Rough-In Package

The OmniPanel™ includes everything you need, when you need it: a sturdy mounting/access plate, adjustable brackets, high-quality valves with brass elbow connection, protective debris cover, and color clips for hot/cold lines.

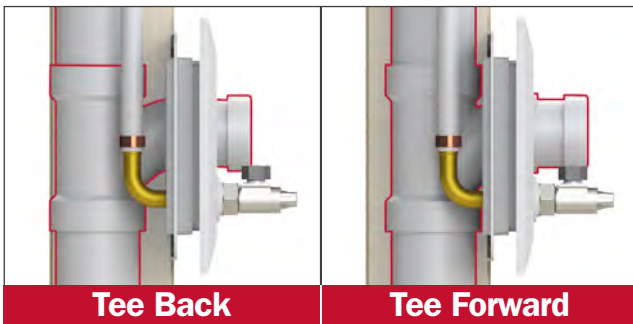
Finish frames are available separately, keeping them OFF the job (not lost, not damaged) until finish



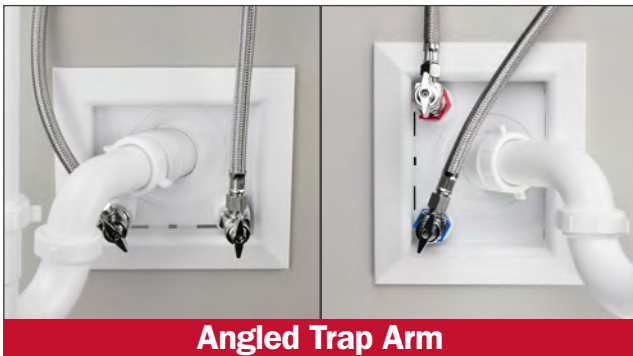
Flexible Drainage Port



The OmniPanel™ features an integral, elastomeric center port, which will accommodate 1½" pipe/hub and will even wrap over a 2" Sch. 40 fitting hub.



The flexible material can be installed over drain pipe or fitting hub, when tee is in FRONT or BACK of stud cavity.

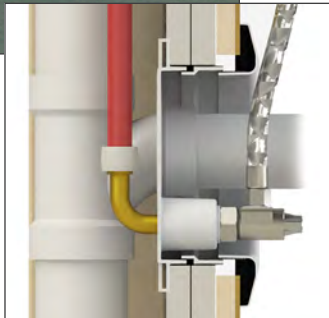


Even if the drainage arm is angled sharply, as for a corner sink, the port maintains a sealed penetration – and the panel remains flush and square, making the finish faster, easier, and cleaner.

Lavatory Application



Quickly and easily set rough-ins for any lavatory. Pre-colored white panel and color-matched frame provides a professional-looking installation on every job.



Valves Below Drainage

Recommended Installation

Although the OmniPanel™ can be installed in any position, the recommended installation is with the valves on the bottom-side of the panel - below the drainage port.

This orientation ensures the supply lines can flex out and connect easily to the fixture

Additional Features



Consistent Commercial Rough-ins

The OmniPanel™ is perfect for installing multiple lavatories in series – in commercial applications or for side-by-side vanities.

Supply lines can be run from above or below. Optional water hammer arresters install at any angle



Replaceable Valve Design

Valves can be replaced with any standard 5/8" OD compression-thread valve.

Replacements can be done completely from the finish side of the wall - no need to tear into the drywall. (see website for valve replacement instructions)

Laundry Application



The OmniPanel™ is a perfect alternative to traditional laundry boxes. Laundry drain hose installs directly into a flush-facing 2" Sch. 40 elbow.



Smaller Gap Needed

The low-profile design directs laundry supply hose connections down rather than out, allowing washing machines to be set closer to the wall.

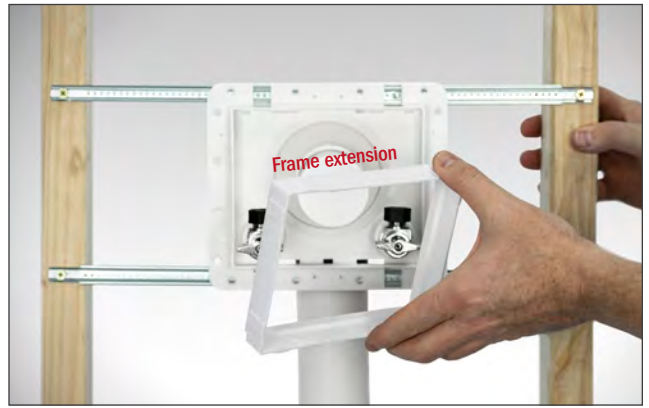


Valve Versatility

The valve outlet can be oriented in any direction, independent of the inlet elbow. For applications where multiple layers of drywall are used, and valves are set above drainage in a lavatory installation, extended replacement valves are available.



Extended replacement valves are available
688-G1CE



Frames / Extensions

Frames are designed to snap onto the plate and hold securely – Perfect for interior walls. For rated walls or where cabinets are used with multiple layers of drywall, frame extensions (698-EX) are available to accommodate any installation.



698-A11-WR



688-G1CE



698-F



698-EX

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CLICK FOR FIRE-RATED SUBMITTAL

» Buying Information

ITEM NO.	DESCRIPTION	MIN. QTY.	CASE QTY.
OMNIPANEL™ WITH 3/8" OD COMP. OUTLET VALVE			
698-A11-CR	1/2" CPVC socket connection	10	10
698-A11-MR	1/2" MIP/F.Swt connection	10	10
698-A11-PR	1/2" M.Swt connection - Press/Push compatible	10	10
698-A11-WR	1/2" F1960 PEX connection	10	10
698-A11-XR	1/2" F1807 PEX connection	10	10
698-A11ACR	1/2" CPVC socket connection with arresters	10	10
698-A11AMR	1/2" MIP/F.Swt connection with arresters	10	10
698-A11APR	1/2" M.Swt connection - Press/Push compatible with arresters	10	10
698-A11AWR	1/2" F1960 PEX connection with arresters	10	10
698-A11AXR	1/2" F1807 PEX connection with arresters	10	10
OMNIPANEL™ WITH 3/4" MALE HOSE THREAD OUTLET VALVE			
698-A33-CR	1/2" CPVC socket connection	10	10
698-A33-MR	1/2" MIP/F.Swt connection	10	10
698-A33-PR	1/2" M.Swt connection - Press/Push compatible	10	10
698-A33-WR	1/2" F1960 PEX connection	10	10
698-A33-XR	1/2" F1807 PEX connection	10	10
698-A33ACR	1/2" CPVC socket connection with arresters	10	10
698-A33AMR	1/2" MIP/F.Swt connection with arresters	10	10
698-A33APR	1/2" M.Swt connection - Press/Push compatible with arresters	10	10
698-A33AWR	1/2" F1960 PEX connection with arresters	10	10
698-A33AXR	1/2" F1807 PEX connection with arresters	10	10
ACCESSORIES			
698-DC	Debris cover for OmniPanel	24	24
698-EX	Frame extension for OmniPanel	10	10
698-F	Frame only for OmniPanel	10	10
698-VC	Color clips for valve - red/blue	50	50
688-G1CE	Extended replacement valve - 5/8" OD comp. thread x 3/8" OD comp. outlet	1	10
305-RT	Grommet removal tool - use to remove valve from base plate	1	10



OmegaPlate™

▶▶ Single Valve Outlet Plate



Savings

Fewer touches – Installs at rough, and incorporates valve, escutcheon, stub out, and bracket in one easy-to-install product.

No more managing/buying/storing/organizing/carrying/handling separate parts and pieces – Saves time with every installation.

Quality

No wobbly stub outs, exposed tube/joints or inferior valves. Installations are consistent – solid, clean, and professional-looking.

Attractive, plated valves are certified and compliant.

Convenient

Valves are replaceable with standard 5/8" OD compression stops.

Debris cover (included) protects valve during rough-in.



Supply

Drainage

Support

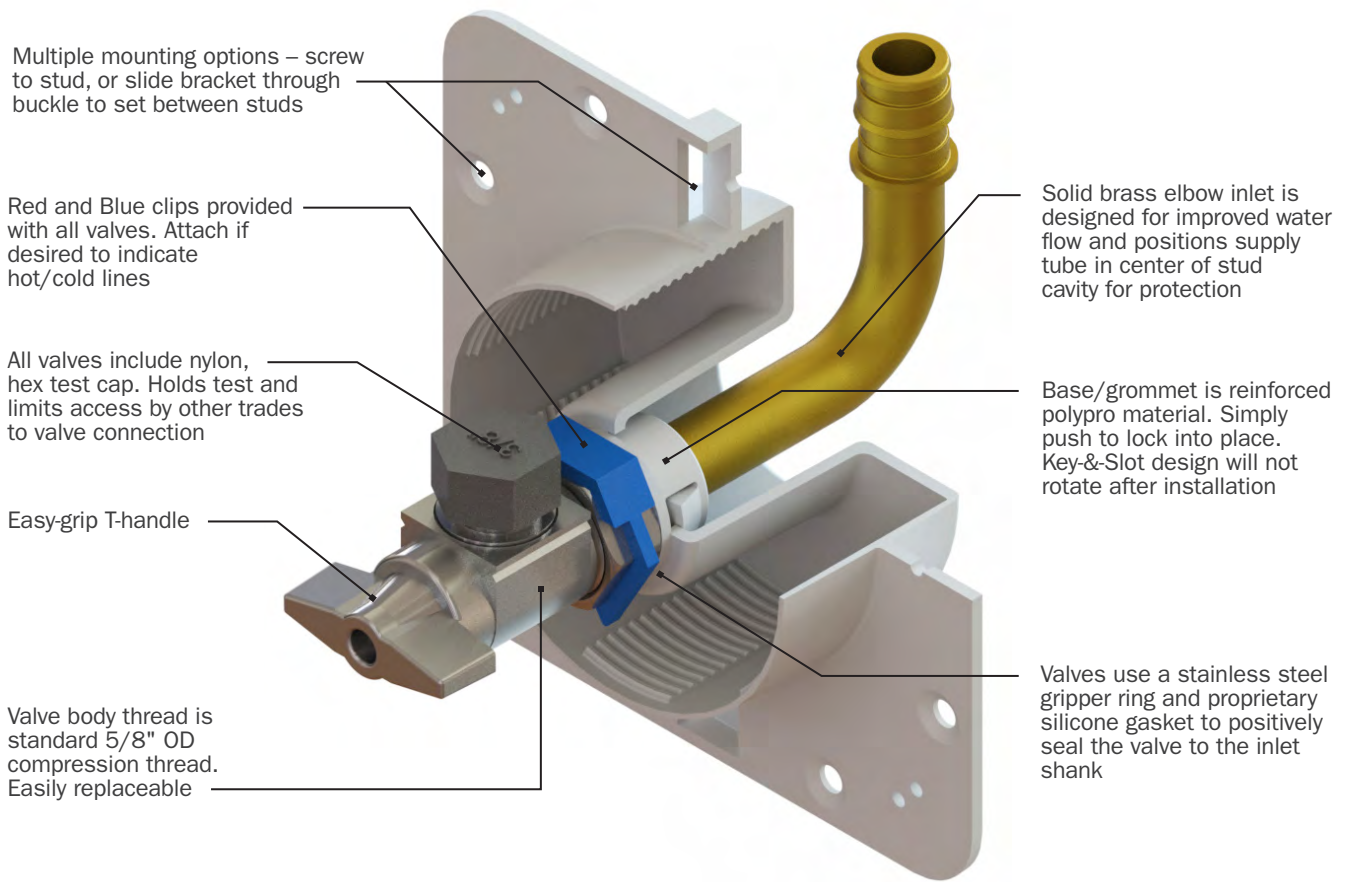
Specialties

www.siouxchief.com

TAKE THE FIELD.



Patented Valve Design Exclusive to Sioux Chief Access products.



Connection Types:



ASTM F1960 Grip™



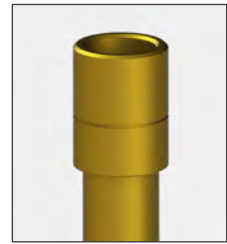
ASTM F1807 Crimp™



CPVC Socket



MIP/F.SWT



M.SWT/Push/Press with push-fitting lock groove



Complete Rough-In Package

The OmegaPlate™ includes everything you need, when you need it: a versatile mounting/access plate, high-quality valve with brass elbow connection, protective debris cover, and color clips for hot/cold lines.

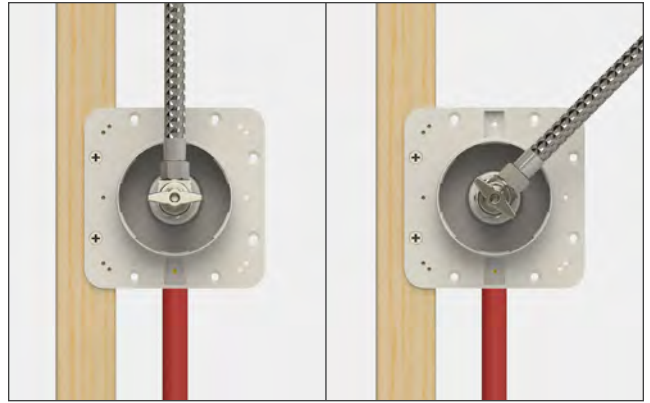
Finish escutcheons are available separately





Fast, Consistent Rough-ins

Quickly and easily rough in for lavatories, toilets, dishwashers, ice makers, or other appliances. Supply lines can be run from above or below.



Swivel Valve Outlet

Valve outlet can be oriented in any direction, independent of the inlet elbow and incoming supply tube.



Works Inside Cabinets

Escutcheons are designed to thread onto the plate and hold securely – Perfect for interior walls or inside of cabinet-style lavatory fixtures.



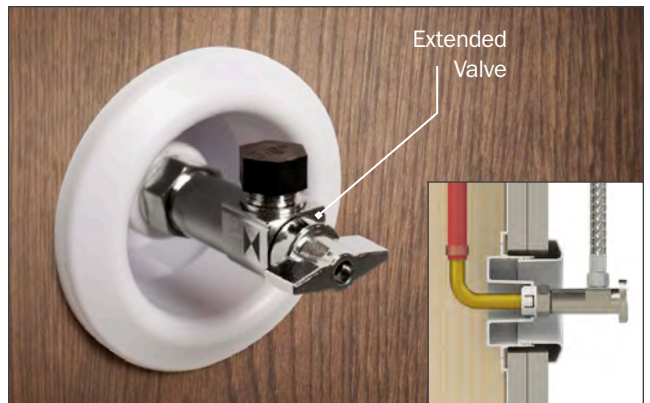
Professional-Looking Finish

Pre-colored, white ABS escutcheons can be painted to match any wall color. Install the TrimTite™ for a more flush appearance



Mounts On or Between Studs

Fasten the OmegaPlate™ directly to studs, or use a bracket to mount between studs. Chrome-plated escutcheons compliment the look of the plated valve.



Optional Extended Valve

The extended 3/8" outlet valve option is great for applications where multiple layers of drywall are used, or when cabinets are furred out from the wall.



MiniRester™ Option

For applications that require a water hammer arrester, the compression thread MiniRester™ can be connected directly to the outlet of the OmegaPlate™ valve when installing supply tubes.

Item #
660-GTROB
or 660-GTR1B



Replaceable Valve Design

All OmegaPlate™ valves can be replaced with any standard 5/8" OD compression-thread valve.

(see website for valve replacement instructions)



Buying Information

3/8" COMP. OUTLET ITEM NO.	1/4" COMP. OUTLET ITEM NO.	3/4" M.HOSE OUTLET ITEM NO.	INLET CONNECTION	MIN. QTY.	CASE QTY.
OMEGAPLATE™ with STANDARD VALVE					
699-A1-CR	699-A0-CR	699-A3-CR	1/2" CPVC socket connection	10	10
699-A1-MR	699-A0-MR	699-A3-MR	1/2" MIP/F.Swt connection	10	10
699-A1-PR	699-A0-PR	699-A3-PR	1/2" M.Swt/Press/Push connection	10	10
699-A1-WR	699-A0-WR	699-A3-WR	1/2" F1960 PEX connection	10	10
699-A1-XR	699-A0-XR	699-A3-XR	1/2" F1807 PEX connection	10	10
OMEGAPLATE™ with 3/8" EXTENDED VALVE					
699-A1ECR			1/2" CPVC socket connection	10	10
699-A1EMR			1/2" MIP/F.Swt connection	10	10
699-A1EPR			1/2" M.Swt/Press/Push connection	10	10
699-A1EWR			1/2" F1960 PEX connection	10	10
699-A1EXR			1/2" F1807 PEX connection	10	10
ACCESSORIES					
699-F	White escutcheon for OmegaPlate - paintable ABS			10	10
699-FC	Chrome-plated escutcheon for OmegaPlate			10	10
699-DC	Debris cover for OmegaPlate			10	10
698-VC	Color clips for valve - red/blue			50	50
688-G1CE	Extended replacement valve - 5/8" OD comp. thread x 3/8" OD comp. outlet			1	10
305-RT	Grommet removal tool - use to remove valve from base plate			1	10



OxBox ONE™

▶▶ Washing Machine Box



Compact

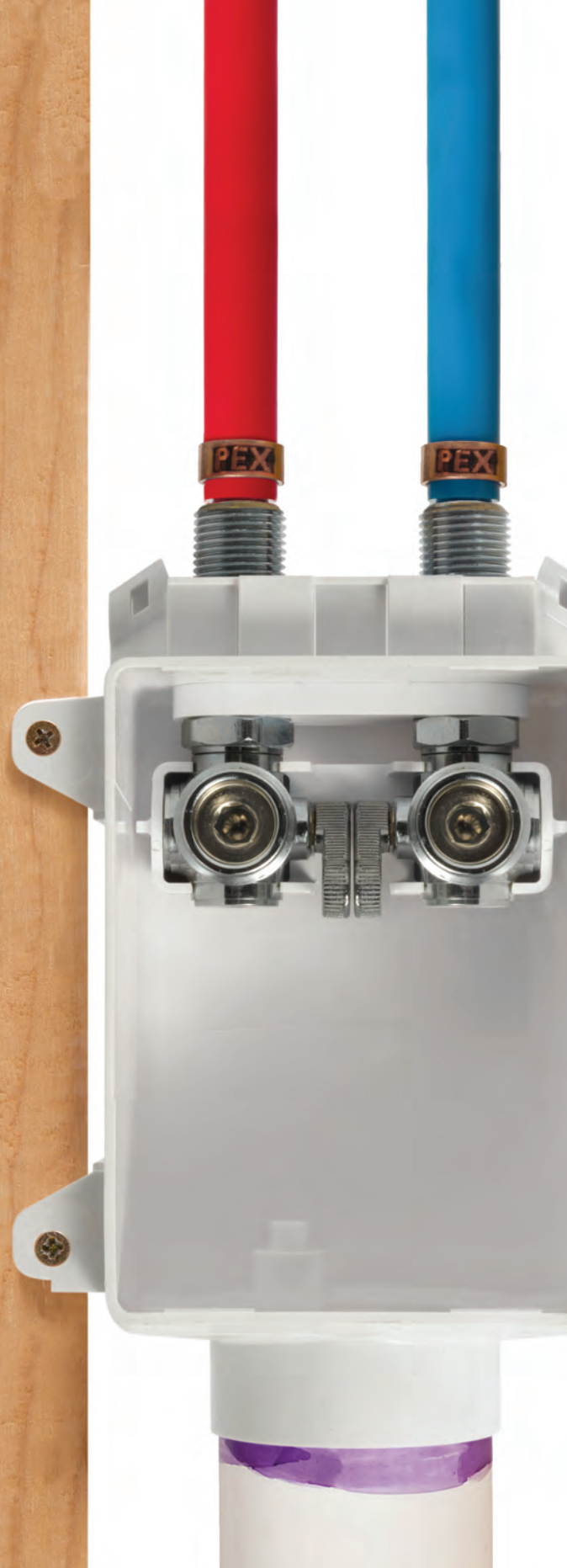
Smallest Laundry Outlet Box on the market.

Complete

Supply & Drain in one box. All common inlet connections.

OxBox System

One box, one frame. Same frame fits all OxBox™ Laundry, Icemaker, Lavatory, and Toilet/Dishwasher.



Supply

Drainage

Support

www.siouxchief.com

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Inlets
All common inlet connections available

MiniRester™
Water hammer arrester options available

Drain Knockout
Patented knockout with test nipple can be used to test DWV. Removes in 1-piece. Will not fall down drain

Strong
Compact size and rigid ABS material

Tabs, Track & Nailway
Multiple bracketing options included

Box Clip Options
Can be connected to other OxBox product for DUAL-DRAIN applications

5-3/4"

7-1/2"

One OxBox Frame for all Ox System applications

4-5/16"

5-1/2"

3-7/8"

2-1/2"

2" DWV Connection



696-2413XF



696-2403CF



696-2403WF



696-2413MF

Buying Information

ITEM NO.	DESCRIPTION	U/M	PKG.	MIN. QTY.	CASE QTY.
STANDARD PACK - LAUNDRY BOX					
696-2403MF	1/2" FSWT	EA	B*	10	10
696-2403CF	1/2" CPVC Male	EA	B*	10	10
696-2403XF	1/2" ASTM PEX F1807 Crimp	EA	B*	10	10
696-2403WF	1/2" ASTM PEX F1960 Flex	EA	B*	10	10
ARRESTER PACK - LAUNDRY BOX W/ TWO MINIRESTER WATER HAMMER ARRESTERS					
696-2413MF	1/2" FSWT W/ Arresters	EA	B*	10	10
696-2413CF	1/2" CPVC Male W/ Arresters	EA	B*	10	10
696-2413XF	1/2" ASTM PEX F1807 Crimp W/ Arresters	EA	B*	10	10
696-2413WF	1/2" ASTM PEX F1960 Flex W/ Arresters	EA	B*	10	10

PACKAGING:

B = Bulk

* Individually Bar-Coded



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HangsTuff™

» DWV Pipe Hanger

MegaPac™

New packaging option designed for high-volume contractors

MegaPac boxes contain 250 hangers and a bag of 500 nails. No more pulling nails from each hanger.

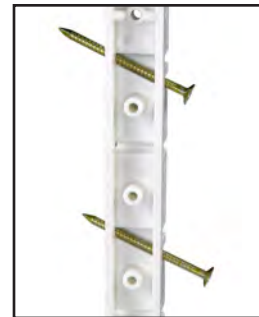
New, Mega25 options contain 25 hangers and a bag of 50 nails. Minimum purchase = 10 bags



New Features



Wider (¾") cradle area provides more contact area with the pipe



Three angled nailways for easier installation

» Buying Information

ITEM NO	DESCRIPTION	U/M	MIN QTY	CASE QTY	LIST PRICE
MEGAPAC™					
553-6WM	1½" HangsTuff MegaPac with bulk nails - box of 250	BX	1	1	\$208.30 BX
553-7WM	2" HangsTuff MegaPac with bulk nails - box of 250	BX	1	1	\$220.80 BX
553-8WM	3" HangsTuff MegaPac with bulk nails - box of 250	BX	1	1	\$250.80 BX
MEGA25					
553-6WM25	1½" HangsTuff MegaPac 25/bag with bulk bag of 50 nails	BG	10	10	\$20.83 BG
553-7WM25	2" HangsTuff MegaPac 25/bag with bulk bag of 50 nails	BG	10	10	\$22.08 BG
553-8WM25	3" HangsTuff MegaPac 25/bag with bulk bag of 50 nails	BG	10	10	\$25.08 BG



SIoux CHIEF is now the distributor of the well-respected chemical drain cleaner Floweazy and will now offer this , through the Tomoahawk brand, to the North American Wholesale plumbing market.

Key features about Floweazy include:

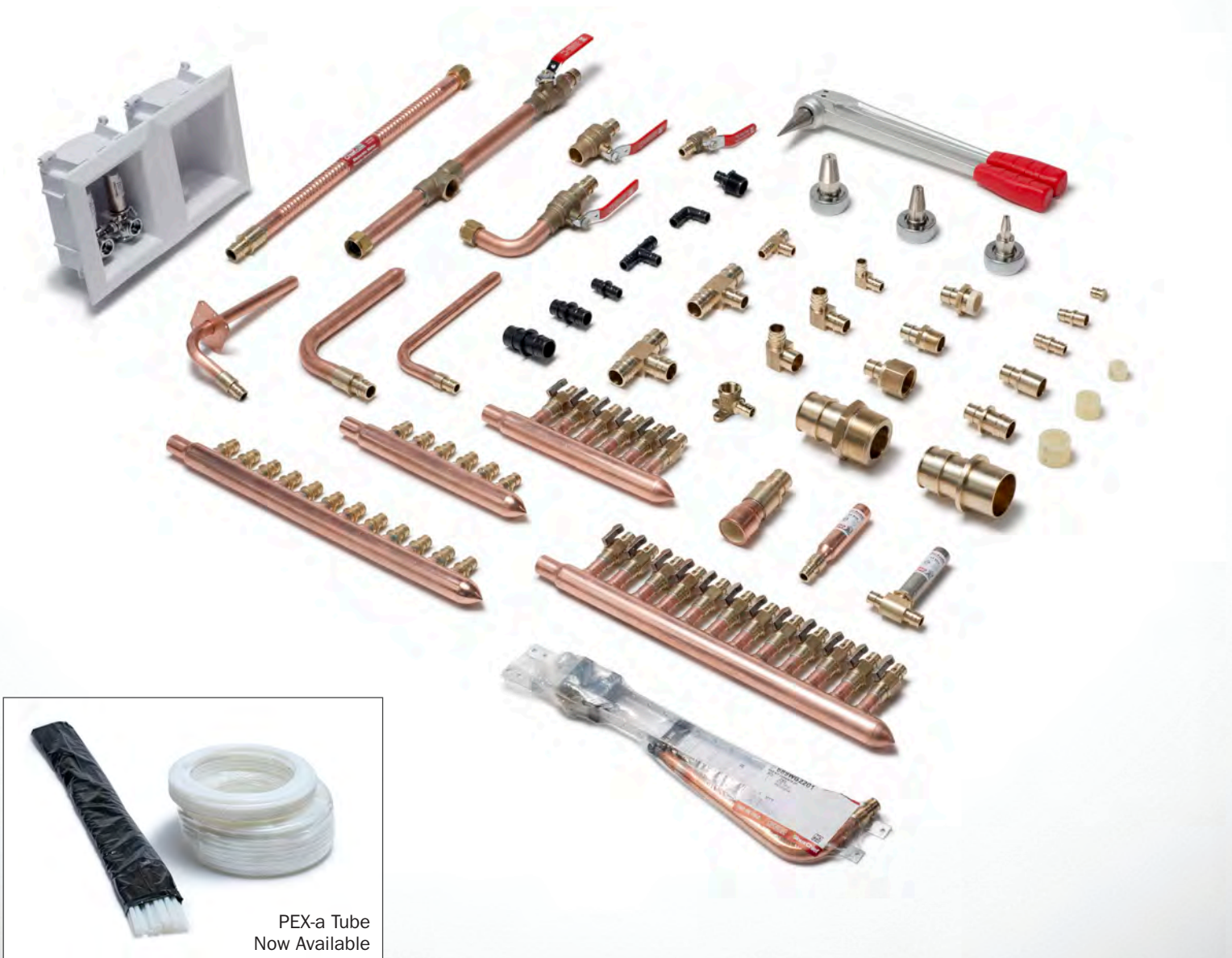
- A 20+ year track record of proven performance based upon a proprietary formulation that features 94% by weight virgin sulfuric acid with twelve buffers and inhibitors.
- Floweazy’s professional strength dissolves any organic material such as and including coffee grounds, grease, hair, paper, rags, sanitary napkins, sludge and soap in a fast acting manner – the clog is typically free-flowing within 15 minutes of treatment.
- Floweazy has little to no odor and is safer than competitor’s products:
 - Each bottle features safety-focused packaging that includes a child-proof safety cap and a metal heat-welded seal.
 - When added to water, there is no “blowback” – Floweazy can be safely used to clear a clogged drain without scooping out the water.
 - Floweazy’s heat temperature ceiling is approximately 120°, not 180° like many competitor’s products.
 - There is a five minute window of time to rinse spills.
 - Floweazy will not harm dwv pipe and/or septic tanks, it is safe for use with common drains, sinks and toilets.
- Floweazy is made in the USA.

Item #	Item Description	Min.	Case Qty.
963-HTL-FE20	Floweazy 20 ounce bottle*	12	12
963-HTL-FE32	Floweazy quart bottle	12	12
963-HTL-FE64	Floweazy 1/2 gallon bottle	6	6
963-HTL-FE128	Floweazy gallon bottle	4	4

PowerPEX[®]

ASTM F1960 Grip[™]

» Buying Information



PEX-a Tube
Now Available

Supply

Drainage

Support

www.siouxchief.com

TAKE THE FIELD.



PowerPEX[®] ASTM F1960 Grip[™]

CATEGORY	ITEM NO.	DESCRIPTION					MIN. CASE QTY. QTY.	
POWERPEX TUBE, STRAIGHT LENGTHS								
	664XA2N5	PEX Tube A	1/2"	Natural	5'	20/Bag	1	1
	664XA3N5	PEX Tube A	3/4"	Natural	5'	10/Bag	1	1
	664XA4N5	PEX Tube A	1"	Natural	5'	5/Bag	1	1
	664XA6W20	PEX Tube A	1-1/2"	White	20'	8/Bag	1	1
	664XA7W20	PEX Tube A	2"	White	20'	5/Bag	1	1
	POWERPEX TUBE, STRAIGHT LENGTHS, OXYGEN BARRIER							
	664XA2N5H	PEX Tube A Barrier	1/2"	Natural	5'	20/Bag	1	1
	664XA3N5H	PEX Tube A Barrier	3/4"	Natural	5'	10/Bag	1	1
	664XA4N5H	PEX Tube A Barrier	1"	Natural	5'	5/Bag	1	1
POWERPEX TUBE, COILS								
	665XA2N100	PEX Tube A	1/2"	Natural	100'		1	1
	665XA2N250	PEX Tube A	1/2"	Natural	250'		1	1
	665XA2N500	PEX Tube A	1/2"	Natural	500'		1	1
	665XA3N100	PEX Tube A	3/4"	Natural	100'		1	1
	665XA3N250	PEX Tube A	3/4"	Natural	250'		1	1
	665XA4N100	PEX Tube A	1"	Natural	100'		1	1
	665XA4N250	PEX Tube A	1"	Natural	250'		1	1
	POWERPEX TUBE, COILS, OXYGEN BARRIER							
	665XA3N100H	PEX Tube A Barrier	3/4"	Natural	100'		1	1
	665XA2N300H	PEX Tube A Barrier	1/2"	Natural	300'		1	1
	665XA2N1000H	PEX Tube A Barrier	1/2"	Natural	1000'		1	1
PEX EXPANSION RING								
	649W2		1/2"				50	1000
	649W3		3/4"				50	500
	649W4		1"				25	250
BRASS ELBOW								
	642WG2		1/2"	×	1/2"		25	25
	642WG3		3/4"	×	3/4"		25	25
	642WG4		1"	×	1"		25	25
POLYMER ELBOW								
	642WP2		1/2"	×	1/2"		25	250
	642WP3		3/4"	×	3/4"		25	250
	642WP4		1"	×	1"		10	250



[CLICK FOR SUBMITTAL](#)

CATEGORY	ITEM NO.	DESCRIPTION			MIN. QTY.	CASE QTY.		
BRASS TEE								
	641WG222	1/2"	x	1/2"	x	1/2"	50	50
	641WG223	1/2"	x	1/2"	x	3/4"	20	20
	641WG322	3/4"	x	1/2"	x	1/2"	20	20
	641WG323	3/4"	x	1/2"	x	3/4"	20	20
	641WG332	3/4"	x	3/4"	x	1/2"	20	20
	641WG333	3/4"	x	3/4"	x	3/4"	20	20
	641WG334	3/4"	x	3/4"	x	1"	20	20
	641WG433	1"	x	3/4"	x	3/4"	20	20
	641WG442	1"	x	1"	x	1/2"	20	20
	641WG443	1"	x	1"	x	3/4"	20	20
641WG444	1"	x	1"	x	1"	20	20	
POLYMER TEE								
	641WP222	1/2"	x	1/2"	x	1/2"	25	250
	641WP223	1/2"	x	1/2"	x	3/4"	25	250
	641WP322	3/4"	x	1/2"	x	1/2"	25	250
	641WP323	3/4"	x	1/2"	x	3/4"	25	250
	641WP332	3/4"	x	3/4"	x	1/2"	25	250
	641WP333	3/4"	x	3/4"	x	3/4"	25	250
	641WP443	1"	x	1"	x	3/4"	10	250
	641WP444	1"	x	1"	x	1"	10	250
	BRASS COUPLING							
		645WG2	1/2"	x	1/2"			100
645WG3		3/4"	x	3/4"			50	50
645WG32		3/4"	x	1/2"			50	50
645WG4		1"	x	1"			25	25
645WG43		1"	x	3/4"			25	25
POLYMER COUPLING								
	645WP2	1/2"	x	1/2"			25	250
	645WP3	3/4"	x	3/4"			25	250
	645WP32	3/4"	x	1/2"			25	250
	645WP4	1"	x	1"			25	250
	645WP43	1"	x	3/4"			25	250
POLYMER PLUG								
	640WP02	1/2"					25	250
	640WP03	3/4"					25	250
	640WP04	1"					10	250

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CATEGORY	ITEM NO.	DESCRIPTION			MIN. CASE QTY. QTY.	
BRASS STRAIGHT ADAPTER, MSWT × F1960						
	643WG2	1/2" MSWT	×	1/2" F1960	100	100
	643WG23	1/2" MSWT	×	3/4" F1960	50	50
	643WG3	3/4" MSWT	×	3/4" F1960	50	50
	643WG32	3/4" MSWT	×	1/2" F1960	50	50
	643WG4	1" MSWT	×	1" F1960	25	25
	643WG43	1" MSWT	×	3/4" F1960	25	25
	643WG5	1-1/4" MSWT	×	1-1/4" F1960	5	5
	643WG6	1-1/2" MSWT	×	1-1/2" F1960	5	5
643WG7	2" MSWT	×	2" F1960	5	5	
BRASS STRAIGHT ADAPTER, FSWT × F1960						
	644WG2	1/2" FSWT	×	1/2" F1960	100	100
	644WG23	1/2" FSWT	×	3/4" F1960	50	50
	644WG3	3/4" FSWT	×	3/4" F1960	50	50
	644WG32	3/4" FSWT	×	1/2" F1960	50	50
	644WG4	1" FSWT	×	1" F1960	25	25
	644WG43	1" FSWT	×	3/4" F1960	25	25
	644WG5	1-1/4" FSWT	×	1-1/4" F1960	5	5
	644WG6	1-1/2" FSWT	×	1-1/2" F1960	5	5
644WG7	2" FSWT	×	2" F1960	5	5	
BRASS STRAIGHT ADAPTER, MIP × F1960						
	646WG2	1/2" MIP	×	1/2" F1960	100	100
	646WG3	3/4" MIP	×	3/4" F1960	25	25
	646WG32	3/4" MIP	×	1/2" F1960	25	25
	646WG34	3/4" MIP	×	1" F1960	25	25
	646WG4	1" MIP	×	1" F1960	25	25
	646WG43	1" MIP	×	3/4" F1960	25	25
	646WG5	1-1/4" MIP	×	1-1/4" F1960	5	5
	646WG6	1-1/2" MIP	×	1-1/2" F1960	5	5
646WG7	2" MIP	×	2" F1960	5	5	
POLYMER STRAIGHT ADAPTER, MIP × F1960						
	646WP2	1/2" MIP	×	1/2" F1960	25	250
	646WP32	3/4" MIP	×	1/2" F1960	25	250
BRASS STRAIGHT ADAPTER, FIP × F1960						
	647WG2	1/2" FIP	×	1/2" F1960	50	50
	647WG23	1/2" FIP	×	3/4" F1960	50	50
	647WG3	3/4" FIP	×	3/4" F1960	50	50
	647WG32	3/4" FIP	×	1/2" F1960	25	25
	647WG4	1" FIP	×	1" F1960	25	25
	647WG43	1" FIP	×	3/4" F1960	25	25
	647WG5	1-1/4" FIP	×	1-1/4" F1960	5	5
	647WG6	1-1/2" FIP	×	1-1/2" F1960	5	5
647WG7	2" FIP	×	2" F1960	5	5	

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CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
TUB SHOWER ELBOW, FIP × F1960				
	647WG2E3	1/2" FIP × 1/2" F1960, Drop-3-Ear Elbow	50	50
	647WG2E3PK1	1/2" FIP × 1/2" F1960, Drop-3-Ear Elbow, 1/Bag**	10	10
STRAIGHT ADAPTER COUPLING, CPVC SOCKET × F1960				
	645WGC2	1/2" CPVC × 1/2" F1960	50	50
	645WGC3	3/4" CPVC × 3/4" F1960	50	50
	645WGC4	1" CPVC × 1" F1960	20	20
	645WGC5	1-1/4" CPVC × 1-1/4" F1960	5	5
	645WGC6	1-1/2" CPVC × 1-1/2" F1960	5	5
	645WGC7	2" CPVC × 2" F1960	5	5
STRAIGHT ADAPTER COUPLING, PVC SOCKET × F1960				
	645WG3P	3/4" PVC × 3/4" F1960	50	50
	645WG4P	1" PVC × 1" F1960	20	20
BRASS ELBOW, MIP × F1960				
	632WG222M	1/2" F1960 × 1/2" MIP	50	50
POLYMER ELBOW, MIP × F1960				
	632WP222M	1/2" F1960 × 1/2" MIP	25	250
BRASS ELBOW, SWEAT × F1960				
	632WG332	3/4" F1960 × 3/4" MSWT	25	25
	632WG335	3/4" F1960 × 3/4" FSWT	25	25

** PK items are individually barcoded






CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
POLYMER STRAIGHT FAUCET CONNECTOR				
	637WP20	1/2" F1960 × 1/2" FIP	25	250
POLYMER ELBOW FAUCET CONNECTOR				
	637WP25	1/2" F1960 × 1/2" FIP	25	250
STUB OUT ELBOW				
	630WG2138	1/2" (13" × 8")	50	50
	630WG2412	1/2" (4" × 12")	50	50
	630WG248	1/2" (4" × 8")	50	50
	630WG348	3/4" (4" × 8")	25	25
	630WG4612	1" (6" × 12")	25	25
STUB OUT ELBOW WITH EAR				
	630WG248E	1/2" (4" × 8")	25	25
	630WG348E	3/4" (4" × 8")	25	25
	630WG4612E	1" (6" × 12")	10	10
	630WGD288E	1/2" (8" × 8" Double)	25	25
STUB OUT				
	638WG208	1/2" (8" Long)	50	50
	638WG215	1/2" (15" Long)	50	50
STUB OUT WITH EAR				
	638WG212E	1/2" (12" Long)	50	50

CATEGORY	ITEM NO.	DESCRIPTION		MIN. CASE QTY. QTY.		
TUB/SHOWER ELBOW						
	632W273X	1/2"	(7" x 3")	F1960 x MIP SWVL	50	50
	632WG263	1/2"	(6" x 2-1/4")	F1960 x MSWT	50	50
	632WG263Y	1/2"	(6" x 3")	F1960 x FIP SWVL	50	50
WATER HEATER CONNECTOR ELBOW WITH FULL PORT BALL VALVE						
	631WG02FP	3/4"	(3" x 6")	F1960 x FIP SWVL	12	12
WATER HEATER CONNECTOR, 3/4" L COPPER, RIGID						
	633WG306FP	3/4"	(6")	F1960 x FIP SWVL W/ FP Valve	10	10
	633WG18	3/4"	(18")	F1960 x FIP SWVL	25	25
	633WG18FP	3/4"	(18")	F1960 x FIP SWVL W/ FP Valve	10	10
	633WG18FPT	3/4"	(18")	F1960 x FIP SWVL W/ FP Valve	10	10
	633WG18PK1	3/4"	(18")	F1960 x FIP SWVL**	10	10
WATER HEATER CONNECTOR 3/4" COPPER, CORRUGATED						
	634WG418	3/4"	(18")	F1960 x FIP SWVL	25	25
	634WG418FP	3/4"	(18")	F1960 x FIP SWVL W/ FP Valve	25	25
FULL PORT BALL VALVE						
	648WG2FPPK1	1/2"	**		10	100
	648WG3FPPK1	3/4"	**		10	100
	648WG3FPD	3/4"	W/ Drain**		6	6
	648WG4FPPK1	1"	**		12	60
	648WG5FP	1-1/4"			5	5
	648WG6FP	1-1/2"			1	1
	648WG7FP	2"			1	1
1/4-TURN SUPPLY STOP						
	129-G2W0C	1/2" F1960	x	1/4" Comp., Straight	24	144
	129-G2W1C	1/2" F1960	x	3/8" Comp., Straight	24	144
	130-G2W0C	1/2" F1960	x	1/4" Comp., Angle	24	144
	130-G2W1C	1/2" F1960	x	3/8" Comp., Angle	24	144

** PK items are individually barcoded

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
LAVATORY STUB OUT KIT WITH STRONGARM BRACKET				
	689WG3202	1/2" F1960 (Qty: 2) W/ 16" Bracket	12	12
	689WG3212	1/2" F1960 (Qty: 2) W/ 24" Bracket	12	12
WATER HEATER STUB OUT KIT WITH STRONGARM BRACKET				
	689WG5103	3/4" F1960 (Qty: 2) W/ 16" Bracket	12	12
	689WG5113	3/4" F1960 (Qty: 2) W/ 24" Bracket	12	12
STUB OUT KIT WITH STRONGARM BRACKET				
	689WG2201	1/2" F1960 W/ 16" Bracket	12	12
	689WG2211	1/2" F1960 W/ 24" Bracket	12	12
SHOWER ARM STUB OUT KIT WITH STRONGARM BRACKET & WALLNUT LOCKBLOCK				
	689WG2291	1/2" F1960 W/ 16" Bracket	12	12

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
WATER HEATER CONNECTOR KIT				
	694WG71022091	Kit Includes: - 3" x 6" ELBOW - FIP SWVL x F1960 (631WG02FP) - 18" FIP SWVL x F1960 (633WG18) - 15" FIP SWVL x FIP SWVL W/ MIP Branch (633-G3TM15)	10	10
	694WG71022093	Kit Includes: - 3" x 6" ELBOW - FIP SWVL x F1960 (631WG02FP) - 18" FIP SWVL x F1960 (633WG18) - 11" FIP SWVL x FIP SWVL W/ MIP Branch (633-G3TM11)	10	10
	694WG717720	Kit Includes: - 18" FIP SWVL x F1960 (633WG18) - 18" FIP SWVL x F1960 W/ FP Valve (633WG18FP)	10	10
SHOWERUP KIT				
<p>TS = TUB SPOUT PC = PRESSURE CONNECTORS R = RISER B = BRACKETS</p>   <p>Note: The Shower WallNut LockBlock™ option should be used with kits having stub out risers. Shower WallNut™ sold separately.</p>	693-01724103	TS: (none), PC: (632W273X), R: (616-630X), B: (PwrBar x2)	12	12
	693-01726101	TS: (none), PC: (632WG273X), R: (608-L2308X), B: (PwrBar & ShwrWntLkBlk)	12	12
	693-01753103	TS: (none), PC: (632WG263), R: (616-630), B: (PwrBar x2)	12	12
	693-01753203	TS: (none), PC: (632WG263), R: (616-650), B: (PwrBar x2)	12	12
	693-01755101	TS: (none), PC: (632WG263), R: (608-L2308), B: (PwrBar & ShwrWntLkBlk)	12	12
	693-01755301	TS: (none), PC: (632WG263), R: (608-L2508), B: (PwrBar & ShwrWntLkBlk)	12	12
	693-01767101	TS: (none), PC: (632WG263Y), R: (608-L2308Y), B: (PwrBar & ShwrWntLkBlk)	12	12
	693-16713203	TS: (none), PC: (632WG263), R: (616-650), B: (PwrBar x2)	12	12
	693-04726301	TS: (613-87X), PC: (632WG273X), R: (608-L2508X), B: (PwrBar & ShwrWntLkBlk)	12	12
	693-33767301	TS: (613-87Y), PC: (632WG263Y), R: (608-L2508Y), B: (PwrBar & ShwrWntLkBlk)	12	12

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
1" TRUNK, TYPE L COPPER, 3/4" F1960 × SPUN CLOSED				
	672WG0490	4 (1/2") Branches	1	25
	672WG0690	6 (1/2") Branches	1	25
	672WG0890	8 (1/2") Branches	1	25
1" TRUNK, TYPE L COPPER, 3/4" F1960 × 3/4" F1960				
	672WG0499	4 (1/2") Branches	1	25
	672WG0699	6 (1/2") Branches	1	25
	672WG0899	8 (1/2") Branches	1	25
1" TRUNK, TYPE L COPPER, 1" MSWT × SPUN CLOSED				
	672WG0240	2 (1/2") Branches	1	10
	672WG0340	3 (1/2") Branches	1	10
	672WG0440	4 (1/2") Branches	1	10
	672WG0640	6 (1/2") Branches	1	10
	672WG0840	8 (1/2") Branches	1	10
	672WG1040	10 (1/2") Branches	1	10
	672WG1240	12 (1/2") Branches	1	10
1" TRUNK, TYPE L COPPER, 1" CPVC CUP × SPUN CLOSED				
	672WG03C0	3 (1/2") Branches	10	10
	672WG04C0	4 (1/2") Branches	10	10
	672WG06C0	6 (1/2") Branches	10	10
	672WG08C0	8 (1/2") Branches	10	10
1" TRUNK, TYPE L COPPER, 3/4" MSWT × SPUN CLOSED				
	672WG0430	4 (1/2") Branches	1	10
	672WG0630	6 (1/2") Branches	1	10
	672WG0830	8 (1/2") Branches	1	10

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
1" TRUNK, TYPE L COPPER, 3/4" MSWT × SPUN CLOSED, WITH BALL VALVES				
	672WV0230	2 (1/2") Branches W/ Ball Valve	1	10
	672WV0330	3 (1/2") Branches W/ Ball Valve	1	10
	672WV0430	4 (1/2") Branches W/ Ball Valve	1	10
	672WV0630	6 (1/2") Branches W/ Ball Valve	1	10
	672WV0830	8 (1/2") Branches W/ Ball Valve	1	10
	672WV1030	10 (1/2") Branches W/ Ball Valve	1	10
	672WV1230	12 (1/2") Branches W/ Ball Valve	1	10
1" TRUNK, TYPE L COPPER, 1" MSWT × 1" MSWT, WITH BALL VALVES				
	672WV0444	4 (1/2") Branches	1	10
	672WV0644	6 (1/2") Branches	1	10
	672WV0844	8 (1/2") Branches	1	10
	672WV1044	10 (1/2") Branches	1	10
TOOLS, ASTM F1960				
	305-W23KIT	Standard Tool Kit (Hand Tool, Case, 1/2" & 3/4" Heads)	1	5
	305-WT	Pipe Expander Tool	1	10
	305-W234KIT	Deluxe Tool Kit (Hand Tool, Case, 1/2" & 3/4" & 1" heads)	1	5
EXPANDER HEADS				
	305-W2H	1/2"	1	20
	305-W3H	3/4"	1	20
	305-W4H	1"	1	20
HYDRARESTER				
	652-AWG	1/2" ASSE-A	1	16
	653-BWG	3/4" ASSE-B	1	16
	654-CWG	1" ASSE-C	1	16

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
MINIRESTER TEE				
	660-GTW2B	1/2" ASSE-AA	25	25
MINIRESTER STRAIGHT				
	660-WG2B	1/2" ASSE-AA	50	50
OXBOX WASHING MACHINE (3/4" HOSE) OUTLET BOX WITH MINIRESTERS				
	696-2313WF	OxBox W/ Frame	10	10
	696-2313WR	OxBox Rough-In Pack*	10	10
	696-G2313WF	OxBox W/ Frame (No-Lead)	10	10
	696-G2313WR	OxBox Rough-In Pack* (No-Lead)	10	10
	696R2313WF	Fire-Rated OxBox W/ Frame	10	10
	696RG2313WF	Fire-Rated OxBox W/ Frame (No-Lead)	10	10
OXBOX WASHING MACHINE (3/4" HOSE) OUTLET BOX, NO-LEAD				
	696-G2303WF	OxBox W/ Frame	10	10
	696-G2303WR	OxBox Rough-In Pack*	10	10
	696RG2303WF	Fire-Rated OxBox W/ Frame	10	10
OXBOX ONE BOX WASHING MACHINE (3/4" HOSE) OUTLET BOX WITH MINIRESTERS				
	696-2413WF	OxBox ONE W/ Frame	10	10
	696-G2413WF	OxBox ONE W/ Frame (No-Lead)	10	10

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
OXBOX ONE BOX WASHING MACHINE (3/4" HOSE) OUTLET BOX, NO-LEAD				
	696-G2403WF	OxBox ONE W/ Frame	10	10
OXBOX ICE MAKER (1/4" COMP.) OUTLET BOX, NO-LEAD				
	696-G1000WF	OxBox W/ Frame	10	10
	696-G1000WR	OxBox Rough-In Pack*	10	10
	696RG1000WF	Fire-Rated OxBox W/ Frame	10	10
OXBOX ICE MAKER (1/4" COMP.) OUTLET BOX WITH MINIRESTER, NO-LEAD				
	696-G1010WF	OxBox W/ Frame	10	10
	696-G1010WR	OxBox Rough-In Pack*	10	10
	696RG1010WF	Fire-Rated OxBox W/ Frame	10	10
OXBOX TOILET/DISHWASHER (3/8" COMP.) OUTLET BOX, NO-LEAD				
	696-G1001WF	OxBox W/ Frame	10	10
	696-G1001WR	OxBox Rough-In Pack*	10	10
	696RG1001WF	Fire-Rated OxBox W/ Frame	10	10
OXBOX TOILET/DISHWASHER (3/8" COMP.) OUTLET BOX WITH MINIRESTER, NO-LEAD				
	696-G1011WF	OxBox W/ Frame	10	10

* Frames for Rough-In Packs are sold separately

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
OXBOX APPLIANCE (3/4" HOSE) OUTLET BOX WITH MINIRESTER, NO-LEAD				
	696-G1013WF	OxBox W/ Frame	10	10
	696-G1013WR	OxBox Rough-In Pack*	10	10
OXBOX LAVATORY (3/8" COMP.) OUTLET BOX, NO-LEAD				
	696-G2001WF	OxBox W/ Frame	10	10
	696-G2001WR	OxBox Rough-In Pack*	10	10
	696RG2001WF	Fire-Rated OxBox W/ Frame	10	10
OXBOX LAVATORY (3/8" COMP.) OUTLET BOX WITH MINIRESTERS, NO-LEAD				
	696-G2011WF	OxBox W/ Frame	10	10
OXBOX LAVATORY (3/8" COMP.) OUTLET BOX (3-VALVE), NO-LEAD				
	696-G3001WR	OxBox Rough-In Pack*	10	10
	696RG3001WF	OxBox W/ Frame	10	10
	696-G3011WR	OxBox Rough-In Pack* W/ (qty: 1) MiniRester	10	10
SPECBOX (304 STAINLESS STEEL) ICE MAKER (1/4" COMP.) OUTLET BOX, NO-LEAD				
	697-G1000WF	SpecBox W/ SS Frame	10	10

CATEGORY	ITEM NO.	DESCRIPTION	MIN. CASE QTY. QTY.	
SPECBOX (304 STAINLESS STEEL) ICE MAKER (1/4" COMP.) OUTLET BOX WITH MINIRESTER, NO-LEAD				
	697-G1010WF	SpecBox W/ SS Frame	10	10
SPECBOX (304 STAINLESS STEEL) LAVATORY (3/8" COMP.) OUTLET BOX, NO-LEAD				
	697-G2001WF	SpecBox W/ SS Frame	10	10
	697-G2001WR	SpecBox Rough-In Pack*	30	30
SPECBOX (304 STAINLESS STEEL) LAVATORY (3/8" COMP.) OUTLET BOX WITH MINIRESTERS, NO-LEAD				
	697-G2011WF	SpecBox W/ SS Frame	10	10
ACCESSORIES				
	696-1F	OxBox Single Frame	10	10
	696-2F	OxBox Double Frame	10	10
	697-1F	OxBox/SpecBox SS Single Frame for Single Valve	10	10
	697-2F	OxBox/SpecBox SS Single Frame for Dual Valves	10	10
	697-1FL	OxBox/SpecBox SS Cover Door W/ Lock	10	10

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Tubular & Specialties

 **Buying Guide**

Supply

Drainage

Support

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TAKE THE FIELD.





Buying Guide

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Stops - 1/4-Turn - Bar Stock - Straight						
	129-G2X1C	1/2" PEX F1807 x 3/8" OD Comp., 1/bag	Chrome	24	144	\$8.02
	129-G1C1C	3/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	24	144	\$10.51
	129-G2C0C	5/8" OD Comp. x 1/4" OD Comp., 1/bag	Chrome	24	144	\$9.81
	129-G2C1C	5/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	24	144	\$8.11
	129-G1RETRO	3/8" female Comp. x 3/8" OD Comp., 1/bag	Chrome	24	144	\$10.76
	129-G2X0C	1/2" PEX F1807 x 1/4" OD Comp., 1/bag	Chrome	24	144	\$10.01
	129-G2W0C	1/2" PEX F1960 x 1/4" OD Comp., 1/bag	Chrome	24	144	\$12.17
	129-G2W1C	1/2" PEX F1960 x 3/8" OD Comp., 1/bag	Chrome	24	144	\$10.49
	129-G2V1C	1/2" CPVC x 3/8" OD Comp., 1/bag	Chrome	24	144	\$11.20
	129-G1F1C	3/8" FIP x 3/8" OD Comp., 1/bag	Chrome	24	144	\$9.55
	129-G2F1C	1/2" FIP x 3/8" OD Comp., 1/bag	Chrome	24	144	\$9.55
	129-G2S1C	1/2" Swt. x 3/8" OD Comp., 1/bag	Chrome	24	144	\$8.86
Supply Stops - 1/4-Turn - Bar Stock - Angle						
	130-G2C0C	5/8" OD Comp. x 1/4" OD Comp., 1/bag	Chrome	24	144	\$10.33
	130-G2C1C	5/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	24	144	\$8.27
	130-G2X0C	1/2" PEX F1807 x 1/4" OD Comp., 1/bag	Chrome	24	144	\$10.33
	130-G2X1C	1/2" PEX F1807 x 3/8" OD Comp., 1/bag	Chrome	24	144	\$7.81
	130-G2W0C	1/2" PEX F1960 x 1/4" OD Comp., 1/bag	Chrome	24	144	\$11.80
	130-G2W1C	1/2" PEX F1960 x 3/8" OD Comp., 1/bag	Chrome	24	144	\$10.45
	130-G2V1C	1/2" CPVC x 3/8" OD Comp., 1/bag	Chrome	24	144	\$11.15
	130-G1F1C	3/8" FIP x 3/8" OD Comp., 1/bag	Chrome	24	144	\$9.55
	130-G2F1C	1/2" FIP x 3/8" OD Comp., 1/bag	Chrome	24	144	\$9.55
	130-G2S1C	1/2" (5/8" OD) Swt. x 3/8" OD Comp., 1/bag	Chrome	24	144	\$9.06
	Supply Stops - KwikStop - 1/4-Turn - Forged - Straight					
	131-G2C1C01	5/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$7.79
	131-G2C1C04	5/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	20	240	\$7.79
	131-G2C1C09	5/8" OD Comp. x 3/8" OD Comp. with PEX insert, 1/bag	Chrome	1	50	\$8.90
	131-GRETRO01	3/8" female Comp. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$10.55
	131-G2X0C	1/2" PEX F1807 x 3/8" OD Comp., 1/bag	Chrome	5	30	\$7.41
	131-G2X1C	1/2" PEX F1807 x 3/8" OD Comp., 1/bag	Chrome	1	50	\$7.41
	131-G2X1C01	1/2" PEX F1807 x 3/8" OD Comp., 1/bag	Chrome	5	30	\$7.41
	131-G2X1C04	1/2" PEX F1807 x 3/8" OD Comp., 1/box	Chrome	5	30	\$7.41
	131-G2X2M01	1/2" PEX F1807 x 1/2" MIP, 1/bag	Chrome	5	30	\$8.26
	131-G2X2X01	1/2" PEX F1807 x 1/2" PEX F1807, 1/bag	Chrome	10	50	\$7.62
	131-G2X2X04	1/2" PEX F1807 x 1/2" PEX F1807, 1/box	Chrome	20	240	\$7.62
	131-G1Q1C04	3/8" PDQ (1/2" OD push-fit) x 3/8" OD Comp., 1/box	Chrome	1	32	\$9.10
	131-G2Q1C01	1/2" PDQ (5/8" OD push-fit) x 3/8" OD Comp., 1/bag	Chrome	1	32	\$8.90
	131-G2Q1C04	1/2" PDQ (5/8" OD push-fit) x 3/8" OD Comp., 1/box	Chrome	1	32	\$8.90
	131-G2V1C01	1/2" CPVC x 3/8" OD Comp., 1/bag	Chrome	5	30	\$10.76
	131-G2V1C04	1/2" CPVC x 3/8" OD Comp., 1/box	Chrome	20	120	\$10.76
	131-G1F1C01	3/8" FIP x 3/8" OD Comp., 1/bag	Chrome	5	30	\$8.26
	131-G1F1C04	3/8" FIP x 3/8" OD Comp., 1/box	Chrome	20	240	\$8.26
	131-G2F1C01	1/2" FIP x 3/8" OD Comp., 1/bag	Chrome	5	30	\$7.88
	131-G2F1C04	1/2" FIP x 3/8" OD Comp., 1/box	Chrome	20	240	\$7.88
	131-G2F2M01	1/2" FIP x 1/2" MIP (7/16" OD), 1/bag	Chrome	5	30	\$9.16
	131-G2S1C01	1/2" Swt. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$7.72
	131-G2S1C04	1/2" Swt. x 3/8" OD Comp., 1/box	Chrome	20	240	\$7.72
	131-G2S1CE504	1/2" Swt. x 3/8" OD Comp. with 5" extension & escutcheon, 1/box	Chrome	10	120	\$10.98

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Stops - KwikStop - 1/4-Turn - Forged - Angle						
	132-G2C0C01	5/8" OD Comp. x 1/4" OD Comp., 1/bag	Chrome	5	30	\$10.16
	132-G2C0C04	5/8" OD Comp. x 1/4" OD Comp., 1/box	Chrome	20	240	\$10.16
	132-G2C1C01	5/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$8.01
	132-G2C1C04	5/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	20	240	\$8.01
	132-G2C1C09	5/8" OD Comp. x 3/8" OD Comp. with PEX insert, 1/bag	Chrome	10	50	\$8.90
	132-G2C1CN104	5/8" OD Comp. x 3/8" OD Comp. less nut, 1/box	Chrome	20	240	\$7.62
	132-G2C2C04	5/8" OD Comp. x 1/2" OD Comp., 1/box	Chrome	20	240	\$12.08
	132-G2C2M01	5/8" OD Comp. x 1/2" MIP (7/16" OD), 1/bag	Chrome	5	30	\$12.08
	132-G2X1C01	1/2" PEX F1807 x 3/8" OD Comp., 1/bag	Chrome	1	50	\$7.62
	132-G2X1C04	1/2" PEX F1807 x 3/8" OD Comp., 1/box	Chrome	5	30	\$7.62
	132-G1Q1C04	3/8" PDQ (1/2" OD push-fit) x 3/8" OD Comp., 1/box	Chrome	1	32	\$9.10
	132-G2Q1C01	1/2" PDQ (5/8" OD push-fit) x 3/8" OD Comp., 1/bag	Chrome	5	30	\$8.90
	132-G2Q1C04	1/2" PDQ (5/8" OD push-fit) x 3/8" OD Comp., 1/box	Chrome	1	32	\$8.90
	132-G2V1C01	1/2" CPVC x 3/8" OD Comp., 1/bag	Chrome	5	30	\$10.44
	132-G2V1C04	1/2" CPVC x 3/8" OD Comp., 1/box	Chrome	20	120	\$10.44
	132-G1F1C01	3/8" FIP x 3/8" OD Comp., 1/bag	Chrome	5	30	\$7.94
	132-G1F1C04	3/8" FIP x 3/8" OD Comp., 1/box	Chrome	20	240	\$7.94
	132-G2F0C01	1/2" FIP x 1/4" OD Comp., 1/bag	Chrome	1	30	\$9.85
	132-G2F1C01	1/2" FIP x 3/8" OD Comp., 1/bag	Chrome	5	30	\$8.90
	132-G2F1C04	1/2" FIP x 3/8" OD Comp., 1/box	Chrome	20	240	\$8.90
132-G2F2C04	1/2" FIP x 1/2" OD Comp., 1/box	Chrome	20	240	\$12.71	
132-G2F2M01	1/2" FIP x 1/2" MIP (7/16" OD), 1/bag	Chrome	5	30	\$12.71	
132-G2S1C01	1/2" Swt. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$8.44	
132-G2S1C04	1/2" Swt. x 3/8" OD Comp., 1/box	Chrome	20	240	\$8.44	
132-G2S1CE504	1/2" Swt. x 3/8" OD Comp. with 5" extension & escutcheon, 1/box	Chrome	10	120	\$10.98	
Supply Stops, Dual - KwikStop - 1/4-Turn - Forged - Angle						
	132-G2C1C0C01	5/8" OD Comp. x 3/8" OD Comp. x 1/4" OD Comp., 1/bag	Chrome	5	30	\$12.39
	132-G2C1C1C01	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$11.44
	132-G2C1C1C04	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	20	240	\$11.44
	648QGD220A	1/2" PDQ (5/8" OD push-fit) x 3/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	12	12	\$25.76
	132-G2F1C0C01	1/2" FIP x 3/8" OD Comp. x 1/4" OD Comp., 1/bag	Chrome	5	30	\$12.08
	132-G2F1C1C01	1/2" FIP x 3/8" OD Comp. x 3/8" OD Comp., 1/bag	Chrome	5	30	\$12.08
	132-G2F1C1C04	1/2" FIP x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	20	240	\$12.08
Supply Stops, Loose Handle - KwikStop - 1/4-Turn - Forged - Angle						
	132-G2C1CLH04	5/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	20	240	\$12.08

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Stops - Multi-Turn - Bar Stock - Straight						
	133-G2C1C04	5/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	1	50	\$9.47
	133-G2C1CR104	5/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$9.19
	133-G2X1C04	1/2" PEX F1807 x 3/8" OD Comp., 1/box	Chrome	1	50	\$7.85
	133-G2V1C04	1/2" CPVC x 3/8" OD Comp., 1/box	Chrome	1	50	\$11.76
	133-G2V1CR104	1/2" CPVC x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$11.63
	133-G1F1C04	3/8" FIP x 3/8" OD Comp., 1/box	Chrome	1	50	\$10.04
	133-G2F1C01	1/2" FIP x 3/8" OD Comp., 1/bag	Chrome	1	30	\$8.94
	133-G2F1C04	1/2" FIP x 3/8" OD Comp., 1/box	Chrome	1	50	\$8.94
	133-G2S1C04	1/2" Swt. x 3/8" OD Comp., 1/box	Chrome	1	50	\$9.39
	133-G2S1CR104	1/2" Swt. x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$9.26
	133-G2S1CE504	1/2" Swt. x 3/8" OD Comp. with 5" extension & escutcheon, 1/box	Chrome	1	50	\$11.04
Supply Stops - Multi-Turn - Bar Stock - Angle						
	134-G2C0C04	5/8" OD Comp. x 1/4" OD Comp., 1/box	Chrome	1	50	\$9.69
	134-G2C0CR104	5/8" OD Comp. x 1/4" OD Comp., 1/box	Rough Brass	1	50	\$9.54
	134-G2C1C04	5/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	1	50	\$7.96
	134-G2C1CE504	5/8" OD Comp. x 3/8" OD Comp. with 5" extension & escutcheon, 1/box	Chrome	1	50	\$11.34
	134-G2C1CR104	5/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$7.82
	134-G2C2C01	5/8" OD Comp. x 1/2" OD Comp., 1/bag	Chrome	5	60	\$10.80
	134-G2C2C04	5/8" OD Comp. x 1/2" OD Comp., 1/box	Chrome	1	50	\$10.80
	134-G2C2M04	5/8" OD Comp. x 1/2" MIP (7/16" OD), 1/box	Chrome	1	50	\$12.39
	134-G2X1C04	1/2" PEX F1807 x 3/8" OD Comp., 1/box	Chrome	1	50	\$7.08
	134-G2V1C04	1/2" CPVC x 3/8" OD Comp., 1/box	Chrome	1	50	\$10.18
	134-G2V1CR104	1/2" CPVC x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$10.04
	134-G1F1C04	3/8" FIP x 3/8" OD Comp., 1/box	Chrome	1	50	\$9.69
	134-G2F2C01	1/2" FIP x 1/2" OD Comp., 1/bag	Chrome	5	60	\$15.57
	134-G2F2C04	1/2" FIP x 1/2" OD Comp., 1/box	Chrome	1	50	\$15.57
	134-G2F2M04	1/2" FIP x 1/2" MIP & (7/16" OD), 1/box	Chrome	1	50	\$10.80
	134-G2S1C04	1/2" Swt. x 3/8" OD Comp., 1/box	Chrome	1	50	\$7.72
	134-G2S1CE504	1/2" Swt. x 3/8" OD Comp. with 5" extension & escutcheon, 1/box	Chrome	1	50	\$11.04
	134-G2S1CR104	1/2" Swt. x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$7.58
	134-G2F1C01	1/2" FIP x 3/8" OD Comp., 1/bag	Chrome	1	30	\$8.86
	134-G2F1C04	1/2" FIP x 3/8" OD Comp., 1/box	Chrome	1	50	\$8.86
	134-G2S0CR104	1/2" Swt. x 1/4" OD Comp., 1/box	Rough Brass	1	50	\$14.31
Supply Stops, 3-Way - Multi-Turn - Bar Stock - Angle						
	134-G2C1C1C04	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	1	30	\$12.66
	134-G2C1C1CR104	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	30	\$12.51
	134-G2F1C1C04	1/2" FIP x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	1	30	\$10.16
	134-G2F1C1CR104	1/2" FIP x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	30	\$10.04
	134-G2S1C1CR104	1/2" Swt. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	30	\$15.57

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Stops, 2-Handle - Multi-Turn - Bar Stock - Straight						
	133-G2C1C1CDHR104	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$16.89
Supply Stops, 2-Handle - Multi-Turn - Bar Stock - Angle						
	134-G2C1C0CDHR104	5/8" OD Comp. x 3/8" OD Comp. x 1/4" OD Comp., 1/box	Rough Brass	1	50	\$19.32
	134-G2C1C1CDH04	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Chrome	1	50	\$19.32
	134-G2C1C1CDHR104	5/8" OD Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/box	Rough Brass	1	50	\$19.20
Supply Stops, Loose Key - Multi-Turn - Bar Stock - Angle						
	134-G2C1CLK04	5/8" OD x 3/8" OD Comp., 1/box	Chrome	1	50	\$11.47
	134-G1F1CLK04	3/8" FIP x 3/8" OD Comp., 1/box	Chrome	1	50	\$11.92
	134-G2F1CLK04	1/2" FIP x 3/8" OD Comp., 1/box	Chrome	1	50	\$11.89
	134-G2F2CLK04	1/2" FIP x 1/2" OD Comp., 1/box	Chrome	1	50	\$24.99
	134-G2S1CE5LK04	1/2" Swt. x 3/8" OD Comp. with 5" extension & escutcheon, 1/box	Chrome	1	50	\$15.57
	134-G2S1CLK04	1/2" Swt. x 3/8" OD Comp., 1/box	Chrome	1	50	\$10.71
Supply Stops, integral slotted - Multi-Turn - Bar Stock - Straight						
	133-GZ2M2FR104	1/2" MIP x 1/2" FIP with slotted stem, 1/box	Rough Brass	1	20	\$11.34
	133-GZ2S2SR104	1/2" FSwt. x 1/2" MSwt. with slotted stem, 1/box	Rough Brass	1	50	\$8.57
Supply Stops, Add-A-Valve - Compression						
	907-981001	3/8" female Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/bag	Rough Brass	5	60	\$10.31







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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Stops, Add-A-Valve - Ander-Lign						
	909-991001	3/8" female Comp. x 3/8" OD Comp. x 3/8" OD Comp., 1/bag	Rough Brass	5	60	\$8.72
	909-99100201	3/8" female Comp. x 3/8" OD Comp. x 1/4" OD Comp., 1/bag	Rough Brass	5	60	\$7.89
Supply Tubes - Lav & Sink - Copper						
	283-S04112C00	3/8" OD x 12"	Chrome	25	100	\$3.49
	283-S04116C00	3/8" OD x 16"	Chrome	25	100	\$4.33
	283-S04120C00	3/8" OD x 20"	Chrome	25	100	\$5.04
	283-S04130C50	3/8" OD x 30"	Chrome	25	100	\$8.72
	283-S04136C50	3/8" OD x 36"	Chrome	25	100	\$9.42
	283-S04112R100	3/8" OD x 12"	Plain Copper	25	100	\$3.27
	283-S04120R100	3/8" OD x 20"	Plain Copper	25	100	\$3.74
	283-S04130R150	3/8" OD x 30"	Plain Copper	25	100	\$7.10
	283-S04136R100	3/8" OD x 36"	Plain Copper	25	100	\$8.33
Supply Tubes - Lav & Sink - PEX						
	285-S0411200	3/8" OD x 12" with nylon ferrule	PEX	100	100	\$0.93
	285-S0411500	3/8" OD x 15" with nylon ferrule	PEX	100	100	\$0.99
	285-S0412000	3/8" OD x 20" with nylon ferrule	PEX	100	100	\$1.12
	285-S0413000	3/8" OD x 30" with nylon ferrule	PEX	100	100	\$1.54
	285-S0413600	3/8" OD x 36" with nylon ferrule	PEX	100	100	\$1.76
Supply Tubes - Lav & Sink - Copper - Compression Tube Extension						
	283-S06112R150	3/8" OD x 12" compression x tube	Plain Copper	25	100	\$4.38
	283-S06120R150	3/8" OD x 20" compression x tube	Plain Copper	25	100	\$6.97
	283-S06112C50	3/8" OD x 12" compression x tube	Chrome	25	100	\$5.73
	283-S06120C50	3/8" OD x 20" compression x tube	Chrome	25	100	\$8.09
Supply Tubes - Lav & Sink - Copper - Solder Tube Extension						
	283-S05112R150	3/8" OD x 12" male sweat x female sweat	Plain Copper	50	50	\$2.53
	283-S05120R150	3/8" OD x 20" male sweat x female sweat	Plain Copper	50	50	\$4.00







	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Tubes - Toilet - Copper						
	283-T24112C00	3/8" x 12" with rubber nose cone	Chrome	25	100	\$3.89
	283-T24120C00	3/8" x 20" with rubber nose cone	Chrome	25	100	\$6.16
	283-T25112C00	3/8" x 12" with flat washer	Chrome	25	100	\$3.93
	283-T25116C00	3/8" x 16" with flat washer	Chrome	25	100	\$4.88
	283-T25120C00	3/8" x 20" with flat washer	Chrome	25	100	\$5.85
Supply Tubes - Toilet - PEX						
	285-T2411200	3/8" OD x 12" with nylon ferrule	PEX	100	100	\$0.93
	285-T2412000	3/8" OD x 20" with nylon ferrule	PEX	100	100	\$1.12
	285-100	Ferrule, poly 3/8" for PEX riser	-	100	10000	\$0.13
Supply Tubes - Dishwasher - Elbow						
	637-B23HWP	3/4" Female hose thread x 3/8" OD Comp., 1/bag	Rough Brass	5	20	\$6.50
	637-G23H	3/4" Female hose thread x 3/8" OD Comp., short radius, heavy-duty hose nut, 1/bag	Rough Brass	20	20	\$6.50
	907-27101601	3/8" MIP x 3/8" OD Comp. NL, 1/bag	Rough Brass	5	60	\$3.45
	907-27101605	3/8" MIP x 3/8" OD Comp. NL, 5/bag	Rough Brass	5	20	\$15.11
	291-30500	3/4" hose washer	-	12	240	\$0.27
Supply Tubes - Ice Maker - Braided						
	281-072	Stainless steel connector 1/4" x 1/4" x 72", 1/bag	Stainless Steel	1	12	\$9.63
Supply Tubes - Ice Maker Kit - PEX						
	289-IMK04	PEX Quick connect, 1/bag	-	5	5	\$32.93
Supply Tubes - Ice Maker - LD Polyethylene						
	901-03020W00151	1/4" OD x 17/100" ID (1/25" wall), white, 15' coil	White	10	10	\$2.22
	901-03020W00251	1/4" OD x 17/100" ID (1/25" wall), white, 25' coil	White	10	10	\$3.71
	901-03020W00501	1/4" OD x 17/100" ID (1/25" wall), white, 50' coil	White	5	5	\$6.79
	901-03020W01001	1/4" OD x 17/100" ID (1/25" wall), white, 100'	White	1	1	\$12.35
	901-03020W01005	1/4" OD x 17/100" ID (1/25" wall), white, 100' EZ	White	1	1	\$12.35
	901-03020W04005	1/4" OD x 17/100" ID (1/25" wall), white, 400' EZ	White	1	1	\$37.79
	901-03020W05004	1/4" OD x 17/100" ID (1/25" wall), white, 500' reel	White	1	1	\$47.24
901-03023W01003	1/4" OD x 1/8" ID (1/16" wall), white, 100' EZ	White	1	1	\$15.30	






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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Supply Tubes - Ice Maker - Saddle Valve						
	997-940201	Self piercing 1/4" OD Ander-lign, 1/bag	Rough Brass	5	60	\$7.46
	997-941001	Self piercing 3/8" OD Ander-lign, 1/bag	Rough Brass	5	40	\$7.46
	997-022590020601	Drill type x 1/4" OD compression, 1/bag	Rough Brass	5	60	\$11.66
Supply Tubes - Water Heater/Water Softener - Corrugated SS						
	634-3F3F12	3/4" FIP x 3/4" FIP x 12"	Stainless Steel	5	40	\$10.42
	634-3F3F18	3/4" FIP x 3/4" FIP x 18"	Stainless Steel	5	40	\$12.44
	634-3F3F24	3/4" FIP x 3/4" FIP x 24"	Stainless Steel	5	40	\$15.05
	634-4F3F18	1" FIP x 3/4" FIP x 18"	Stainless Steel	5	10	\$13.25
	634-4F4F18	1" FIP x 1" FIP x 18"	Stainless Steel	5	40	\$15.92
	634-3W	3/4" washer for 634-3F3F / 634-4F3F series	-	10	100	\$0.59
	634-4W	1" washer for 634-4F4F series	-	10	100	\$0.75
	634-43W	1" washer for 634-4F3F series	-	10	100	\$0.75
Plastic Tubular - P-Traps - Less Adapter						
	230-0105101	1-1/4" with poly washer, 1/bag	White	25	25	\$2.08
	230-0105201	1-1/4" with soft TPV washer, 1/bag	White	25	25	\$2.08
	230-0106101	1-1/2" with poly washer, 1/bag	White	50	50	\$2.17
	230-0106201	1-1/2" with soft TPV washer, 1/bag	White	50	50	\$2.17
	230-0115101	1-1/4" with poly washer, 1/bag	Black	25	25	\$2.08
	230-0115201	1-1/4" with soft TPV washer, 1/bag	Black	25	25	\$2.08
Plastic Tubular - P-Traps - With Threaded Adapter						
	230-0206101	1-1/2" with PVC trap adapter & poly washers, 1/bag	White	50	50	\$1.88
	230-0206201	1-1/2" with PVC trap adapter & soft TPV washers, 1/bag	White	50	50	\$1.88
	230-0316101	1-1/2" with ABS trap adapter & poly washers, 1/bag	Black	50	50	\$1.88
	230-0316201	1-1/2" with ABS trap adapter & soft washers, 1/bag	Black	50	50	\$1.88
Plastic Tubular - P-Traps - With Threaded Adapter & Deep Escutcheon						
	230-0226301	1-1/2" PVC trap adapter, deep escutcheon & poly washers, 1/bag	Chrome	25	25	\$14.88







	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - P-Traps - With Solvent Weld Adapter						
	230-0406101	1-1/2" with PVC solvent weld trap adapter & poly washers, 1/bag	White	50	50	\$2.86
	230-0406201	1-1/2" with PVC solvent weld trap adapter & soft TPV washers, 1/bag	White	50	50	\$2.53
	230-0516150	1-1/2" with ABS solvent weld trap adapter & poly washers, 1/bag	Black	50	50	\$2.60
Plastic Tubular - P-Traps - Reversible - With Threaded Adapter						
	230-0706101	1-1/2" with PVC trap adapter & poly washers, 1/bag	White	50	50	\$2.13
	230-0706201	1-1/2" with PVC trap adapter & soft TPV washers, 1/bag	White	50	50	\$2.13
	230-0716101	1-1/2" with ABS trap adapter & poly washers, 1/bag	Black	50	50	\$2.13
	230-0716201	1-1/2" with ABS trap adapter & soft TPV washers, 1/bag	Black	50	50	\$2.13
	230-0806101	1-1/2" with ABS trap adapter & poly washers, 1/bag	White	50	50	\$2.46
	230-0806201	1-1/2" with ABS trap adapter & soft TPV washers, 1/bag	White	50	50	\$2.46
Plastic Tubular - P-Traps - Reversible - With Threaded Adapter & Deep Escutcheon						
	230-0706401	1-1/2" with PVC trap adapter, soft TPV washer & deep poly escutcheon	White	50	50	\$3.03
Plastic Tubular - P-Traps - Repair						
	230-0908101	1-1/2" x 1-1/4" with poly washers, 1/bag	White	12	12	\$9.34
	230-0918101	1-1/2" x 1-1/4" with poly washers, 1/bag	Black	12	12	\$9.34
Plastic Tubular - S-Traps - Less Adapter						
	230-1005101	1-1/4" with poly washers, 1/bag	White	10	10	\$6.29
	230-1005201	1-1/4" with soft washers, 1/bag	White	10	10	\$6.60
	230-1015101	1-1/4" with poly washers, 1/bag	Black	10	10	\$6.29
	230-106101	1-1/2" with poly washers, 1/bag	White	10	10	\$6.62
Plastic Tubular - S-Traps - With Threaded Adapter						
	230-1106101	1-1/2" with PVC trap adapter & poly washers, 1/bag	White	10	10	\$7.13
	230-1106201	1-1/2" with PVC trap adapter & soft washers, 1/bag	White	10	10	\$6.95
	230-1116101	1-1/2" with ABS trap adapter & poly washers, 1/bag	Black	10	10	\$7.06






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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - S-Traps - With Threaded Adapter & Deep Escutcheon						
	230-1106301	1-1/2" with PVC trap adapter, deep poly escutcheon & poly washers, 1/bag	White	10	10	\$8.58
Plastic Tubular - J-Bend						
	230-1505101	1-1/4" with poly washers, 1/bag	White	12	12	\$2.35
	230-1506101	1-1/2" with poly washers, 1/bag	White	25	25	\$2.35
	230-1516101	1-1/2" with poly washers, 1/bag	Black	25	25	\$2.35
Plastic Tubular - J-Bend (Sink Trap)						
	230-1606101	1-1/2" with poly washers, 1/bag	White	12	12	\$3.08
	230-1616101	1-1/2" with poly washers, 1/bag	Black	12	12	\$3.08
Plastic Tubular - Wall Bend						
	230-170507101	1-1/4" x 7", 1/bag	White	25	25	\$1.62
	230-170607101	1-1/2" x 7", 1/bag	White	25	25	\$1.62
Plastic Tubular - End Outlet - Telescoping All Purpose						
	230-170616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$9.25
	230-170616201	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$9.50
	230-171616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$9.77
Plastic Tubular - End Outlet - Telescoping All Purpose With Dishwasher Branch						
	230-180616101	1-1/2" x 16" with 1/2" dishwasher branch & poly washers, 1/bag	White	25	25	\$9.71
	230-180616201	1-1/2" x 16" with 1/2" dishwasher branch & soft TPV washers, 1/bag	White	25	25	\$9.96
	230-181616101	1-1/2" x 16" with 1/2" dishwasher branch & poly washers, 1/bag	Black	25	25	\$9.73
	230-190616101	1-1/2" x 16" with 3/4" dishwasher branch & poly washers, 1/bag	White	25	25	\$9.71
	230-190616201	1-1/2" x 16" with 3/4" dishwasher branch & soft TPV washers, 1/bag	White	25	25	\$9.96
	230-191616101	1-1/2" x 16" with 3/4" dishwasher branch & poly washers, 1/bag	Black	25	25	\$9.73







	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - End Outlet - Telescoping Slip Joint						
	230-200616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$6.83
	230-200616201	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$5.22
	230-201616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$4.97
Plastic Tubular - End Outlet - Telescoping Slip Joint With Dishwasher Branch						
	230-210616101	1-1/2" x 16" with 1/2" dishwasher branch & poly washers, 1/bag	White	25	25	\$7.34
	230-210616201	1-1/2" x 16" with 1/2" dishwasher branch & soft TPV washers, 1/bag	White	25	25	\$7.56
	230-220616101	1-1/2" x 16" with 3/4" dishwasher branch & poly washers, 1/bag	White	10	10	\$7.34
	230-220616201	1-1/2" x 16" with 3/4" dishwasher branch & soft TPV washers, 1/bag	White	25	25	\$7.56
Plastic Tubular - End Outlet - Telescoping Direct Connect						
	230-230616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$4.97
	230-230616201	1-1/2" x 16" with soft TPV washer, 1/bag	White	25	25	\$5.22
	230-231616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$4.97
Plastic Tubular - End Outlet - Telescoping Direct Connect With Dishwasher Branch						
	230-240616101	1-1/2" x 16" with 1/2" dishwasher branch & poly washers, 1/bag	White	25	25	\$6.35
	230-240616201	1-1/2" x 16" with 1/2" dishwasher branch & soft TPV washers, 1/bag	White	25	25	\$6.67
	230-241616101	1-1/2" x 16" with 1/2" dishwasher branch & poly washers, 1/bag	Black	25	25	\$6.35
	230-250616101	1-1/2" x 16" with 3/4" dishwasher branch & poly washers, 1/bag	White	25	25	\$7.57
	230-250616201	1-1/2" x 16" with 3/4" dishwasher branch & soft TPV washers, 1/bag	White	25	25	\$6.67
	230-251616101	1-1/2" x 16" with 3/4" dishwasher branch & poly washers, 1/bag	Black	25	25	\$6.35
Plastic Tubular - End Outlet - Non-Telescoping All Purpose						
	230-2606101	1-1/2" x 16" with poly washers, 1/bag	White	20	20	\$4.98
	230-261616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$6.48

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - End Outlet - Non-Telescoping Slip Joint						
	230-270616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$7.46
	230-270621101	1-1/2" x 21" with poly washers, 1/bag	White	25	25	\$13.43
	230-270625101	1-1/2" x 25" with poly washers, 1/bag	White	25	25	\$14.83
	230-271616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$7.46
	230-271616201	1-1/2" x 16" with soft TPV washers, 1/bag	Black	25	25	\$7.83
	230-271621101	1-1/2" x 21" with poly washers, 1/bag	Black	25	25	\$13.43
	230-271625101	1-1/2" x 25" with poly washers, 1/bag	Black	25	25	\$14.83
Plastic Tubular - End Outlet - Non-Telescoping Direct Connect						
	230-280616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$7.46
	230-280616201	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$7.83
	230-281616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$7.46
Plastic Tubular - Center Outlet - All Purpose						
	230-2906101	1-1/2" x 16" with poly washers, 1/bag	White	10	10	\$6.46
	230-290616201	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$6.62
	230-291616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$5.13
Plastic Tubular - Center Outlet - Slip Joint						
	230-300616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$5.98
	230-300616201	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$5.39
	230-300621101	1-1/2" x 21" with poly washers, 1/bag	White	25	25	\$7.83
	230-300625101	1-1/2" x 25" with poly washers, 1/bag	White	25	25	\$10.54
	230-301616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$5.13
	230-301621101	1-1/2" x 21" with poly washers, 1/bag	Black	25	25	\$7.83
	230-301625101	1-1/2" x 25" with poly washers, 1/bag	Black	25	25	\$10.54
Plastic Tubular - Center Outlet - Direct Connect						
	230-310616101	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$5.13
	230-310616201	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$5.39
	230-311616101	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$5.13
Plastic Tubular - Disposer Waste - Telescoping Direct Connect						
	230-320616101	1-1/2" x 16" with poly washers & ISE® Gasket, 1/bag	White	25	25	\$5.13
	230-320616201	1-1/2" x 16" with soft TPV washers & ISE® Gasket, 1/bag	White	25	25	\$5.39
	230-321616101	1-1/2" x 16" with poly washers & ISE® Gasket, 1/bag	Black	25	25	\$5.39







	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - Disposer Waste - Non-Telescoping Direct Connect						
	230-330616101	1-1/2" x 16" with poly washers & ISE® Gasket, 1/bag	White	25	25	\$4.33
	230-331616101	1-1/2" x 16" with poly washers & ISE® Gasket, 1/bag	Black	25	25	\$4.68
Plastic Tubular - Flanged Sink Tailpiece						
	230-40060125	1-1/2" x 1"	White	25	25	\$0.78
	230-40060450	1-1/2" x 4"	White	50	50	\$1.03
	230-40060650	1-1/2" x 6"	White	50	50	\$1.05
	230-40060825	1-1/2" x 8"	White	25	25	\$1.05
	230-40061225	1-1/2" x 12"	White	25	25	\$1.52
	230-40160450	1-1/2" x 4"	Black	50	50	\$0.78
	230-40160650	1-1/2" x 6"	Black	50	50	\$1.19
	230-40160825	1-1/2" x 8"	Black	25	25	\$1.19
	230-40161225	1-1/2" x 12"	Black	25	25	\$1.52
Plastic Tubular - Double Flanged Sink Tailpiece						
	230-41061625	1-1/2" x 16"	White	25	25	\$1.82
	230-41161625	1-1/2" x 16"	Black	25	25	\$1.82
Plastic Tubular - Double Flanged Sink Tailpiece - Slip Joint						
	230-44061625	1-1/2" x 16" w/soft washer, 1/bag	White	25	25	\$1.97
Plastic Tubular - Slip Extension						
	230-450506132	1-1/4" x 6" with poly washer, 1/bag	White	32	32	\$2.18
	230-450506232	1-1/4" x 6" with soft washer, 1/bag	White	32	32	\$2.77
	230-450508125	1-1/4" x 8" with poly washer, 1/bag	White	25	25	\$2.79
	230-450508225	1-1/4" x 8" with soft washer, 1/bag	White	25	25	\$3.22
	230-450512116	1-1/4" x 12" with poly washer, 1/bag	White	16	16	\$3.06
	230-450512216	1-1/4" x 12" with soft washer, 1/bag	White	16	16	\$3.23
	230-450606132	1-1/2" x 6" with poly washer, 1/bag	White	25	25	\$1.80
	230-450606232	1-1/2" x 6" with soft washer, 1/bag	White	32	32	\$1.98
	230-450608116	1-1/2" x 8" with poly washer, 1/bag	White	16	16	\$1.95
	230-450608216	1-1/2" x 8" with soft washer, 1/bag	White	16	16	\$2.04
	230-450612116	1-1/2" x 12" with poly washer, 1/bag	White	16	16	\$2.13
	230-450612216	1-1/2" x 12" with soft washer, 1/bag	White	16	16	\$2.24
	230-451506132	1-1/4" x 6" with poly washer, 1/bag	Black	32	32	\$2.64
	230-451606132	1-1/2" x 6" with poly washer, 1/bag	Black	32	32	\$1.89
	230-451608116	1-1/2" x 8" with poly washer, 1/bag	Black	16	16	\$2.06
230-451608216	1-1/2" x 8" with soft washer, 1/bag	Black	16	16	\$3.22	
230-451612116	1-1/2" x 12", 1/bag	Black	16	16	\$2.27	

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - Double Slip Extension						
	230-460516125	1-1/4" x 16" with poly washers, 1/bag	White	25	25	\$3.60
	230-460516225	1-1/4" x 16" with soft TPV washers, 1/bag	White	25	25	\$3.78
	230-460616125	1-1/2" x 16" with poly washers, 1/bag	White	25	25	\$2.34
	230-460616225	1-1/2" x 16" with soft TPV washers, 1/bag	White	25	25	\$2.29
	230-461516125	1-1/4" x 16" with poly washers, 1/bag	Black	25	25	\$3.60
	230-461616125	1-1/2" x 16" with poly washers, 1/bag	Black	25	25	\$2.76
	230-461616225	1-1/2" x 16" with soft TPV washers, 1/bag	Black	25	25	\$3.78
Plastic Tubular - Solvent Weld Extension						
	230-47050650	1-1/4" x 6"	White	50	50	\$2.19
	230-47050825	1-1/4" x 8"	White	25	25	\$2.24
	230-47051225	1-1/4" x 12"	White	25	25	\$2.44
	230-47060825	1-1/2" x 8"	White	25	25	\$2.99
	230-47061225	1-1/2" x 12"	White	25	25	\$3.00
	230-47150850	1-1/4" x 8"	Black	50	50	\$2.30
	230-47160625	1-1/2" x 6"	Black	25	25	\$1.76
	230-47161225	1-1/2" x 12"	Black	25	25	\$2.77
Plastic Tubular - Double Solvent Weld Extension						
	230-48061625	1-1/2" x 16"	White	25	25	\$4.33
Plastic Tubular - Dishwasher Tailpiece - All Purpose						
	230-57060825	1-1/2" x 8" x 1/2" branch with poly washers, 1/bag	White	25	25	\$4.93
	230-58060825	1-1/2" x 8" x 3/4" branch with poly washers, 1/bag	White	25	25	\$4.93
Plastic Tubular - Dishwasher Tailpiece - Slip Joint						
	230-53060825	1-1/2" x 8" x 1/2" branch with poly washer, 1/bag	White	25	25	\$2.27
	230-530608225	1-1/2" x 8" x 1/2" branch with soft TPV washer, 1/bag	White	25	25	\$6.30
	230-53160825	1-1/2" x 8" x 1/2" branch with poly washer, 1/bag	Black	25	25	\$6.00
	230-55060825	1-1/2" x 8" x 3/4" branch with poly washer, 1/bag	White	25	25	\$2.27
	230-55160825	1-1/2" x 8" x 3/4" branch with poly washer, 1/bag	Black	25	25	\$2.76
Plastic Tubular - Dishwasher Tailpiece - Direct Connect						
	230-54160825	1-1/2" x 8" x 1/2" branch with poly washer, 1/bag	Black	25	25	\$2.31
	230-54060825	1-1/2" x 8" x 1/2" branch with poly washer, 1/bag	White	25	25	\$2.11
	230-56060825	1-1/2" x 8" x 3/4" branch with poly washer, 1/bag	White	25	25	\$2.11
	230-56160825	1-1/2" x 8" x 3/4" branch with poly washer, 1/bag	Black	25	25	\$2.95





	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - Waste Arm - Slip Joint						
	230-600607101	1-1/2" x 7" with poly washer, 1/bag	White	25	25	\$2.72
	230-600609125	1-1/2" x 9-1/2" with poly washer, 1/bag	White	25	25	\$5.65
	230-600611125	1-1/2" x 11-1/2" with poly washer, 1/bag	White	25	25	\$4.05
	230-600615125	1-1/2" x 15" with poly washer, 1/bag	White	25	25	\$5.24
	230-600624125	1-1/2" x 24" with poly washer, 1/bag	White	25	25	\$6.36
	230-60160725	1-1/2" x 7" with poly washer, 1/bag	Black	25	25	\$2.79
	230-60160925	1-1/2" x 9-1/2" with poly washer, 1/bag	Black	25	25	\$5.65
	230-601611125	1-1/2" x 11-1/2" with poly washer, 1/bag	Black	25	25	\$4.15
	230-601615125	1-1/2" x 15" with poly washer, 1/bag	Black	25	25	\$5.37
Plastic Tubular - Waste Arm - Direct Connect						
	230-61060725	1-1/2" x 7" with poly washer, 1/bag	White	25	25	\$2.61
	230-61060925	1-1/2" x 9-1/2" with poly washer, 1/bag	White	25	25	\$3.32
	230-61061225	1-1/2" x 11-1/2" with poly washer, 1/bag	White	25	25	\$4.05
	230-61061525	1-1/2" x 15" with poly washer, 1/bag	White	25	25	\$5.24
	230-61160725	1-1/2" x 7" with poly washer, 1/bag	Black	25	25	\$2.61
	230-61160925	1-1/2" x 9-1/2" with poly washer, 1/bag	Black	25	25	\$2.72
	230-61161125	1-1/2" x 11-1/2" with poly washer, 1/bag	Black	25	25	\$2.83
	230-61161525	1-1/2" x 15" with poly washer, 1/bag	Black	25	25	\$5.37
	Plastic Tubular - Coupling					
	230-8006125	1-1/2" with poly washers, 1/bag	White	25	25	\$3.02
	230-8016125	1-1/2" with poly washers, 1/bag	Black	25	25	\$2.44
Plastic Tubular - Elbow (90)						
	230-8206125	1-1/2" with poly washers, 1/bag	White	25	25	\$2.97
	230-8216125	1-1/2" with poly washers, 1/bag	Black	25	25	\$2.97
Plastic Tubular - Elbow (45)						
	230-8406101	1-1/2" with poly washers, 1/bag	White	25	25	\$3.39
Plastic Tubular - Tee - 3 Way Slip Joint						
	230-8506101	1-1/2" with poly washers, 1/bag	White	25	25	\$4.87
	230-8516101	1-1/2" with poly washers, 1/bag	Black	25	25	\$2.90

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - Tee - Center Outlet Slip Joint						
	230-860625	1-1/2" with poly washers, 1/bag	White	25	25	\$2.28
	230-861625	1-1/2" with poly washers, 1/bag	Black	25	25	\$2.28
Plastic Tubular - Tee - End Outlet Slip Joint						
	230-8706125	1-1/2" with poly washers, 1/bag	White	25	25	\$4.80
	230-8716125	1-1/2" with poly washers, 1/bag	Black	25	25	\$2.79
Plastic Tubular - Tee - End Outlet Direct Connect						
	230-8806125	1-1/2" with poly washers, 1/bag	White	25	25	\$5.97
	230-8816125	1-1/2" with poly washers, 1/bag	Black	25	25	\$5.97
Plastic Tubular - Double Offset - Slip Joint						
	230-9006101	1-1/2" with poly washers, 1/bag	White	25	25	\$7.49
Plastic Tubular - Threaded Trap Adapter						
	230-9506101	PVC 1-1/2" Sch. 40 hub with nut & washer, 1/bag	White	25	25	\$1.54
	230-9516101	ABS 1-1/2" Sch. 40 hub with nut & washer, 1/bag	Black	25	25	\$2.54
Plastic Tubular - Flex-Correct - J-Bend						
	231-1506101	1-1/2" or 1-1/4" with poly washers, 1/bag	White	25	25	\$9.85

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Plastic Tubular - Flex-Correct - Flanged Tailpiece						
	231-4006101	1-1/2", 1/bag	White	15	15	\$6.24
Plastic Tubular - Flex-Correct - Slip Extension						
	231-4505101	1-1/4" with poly washer, 1/bag	White	15	15	\$8.78
	231-4506101	1-1/2" with poly washer, 1/bag	White	15	15	\$8.78
Plastic Tubular - Flex-Correct - Coupling						
	231-4606101	1-1/2" with poly washers, 1/bag	White	25	25	\$9.85
Plastic Tubular - Nuts & Washers - Plastic Slip Nut						
	988-5000	1-1/4"	White	100	1000	\$0.26
	988-5100	1-1/4"	Black	100	1000	\$0.29
	988-6	1-1/2"	White	100	1000	\$0.26
	988-6100	1-1/2"	Black	100	1000	\$0.29
Plastic Tubular - Nuts & Washers - Flanged Tailpiece Washer						
	991-6	1-1/2" polyethylene	-	100	1000	\$0.15
	991-6S	1-1/2" red, soft TPV	-	100	1000	\$0.26
Plastic Tubular - Nuts & Washers - Beveled Slip Joint Washer						
	996-500	1-1/4" polyethylene	-	100	1000	\$0.11
	996-6	1-1/2" polyethylene	-	100	1000	\$0.11
	996-8	1-1/2" x 1-1/4" polyethylene	-	100	1000	\$0.11
	996-5S	1-1/4" red, soft TPV	-	100	1000	\$0.21
	996-6S	1-1/2" red, soft TPV	-	100	1000	\$0.17
	996-8S	1-1/2" x 1-1/4" red, soft TPV	-	100	1000	\$0.21







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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - P-Traps - With Shallow Escutcheon						
	240-0151C04	1-1/4" 22ga, 1/box	Chrome	1	25	\$17.19
	240-015212C04	1-1/4" with 12" wall tube, 20ga, 1/box	Chrome	1	25	\$29.42
	240-0152C04	1-1/4", 20ga, 1/box	Chrome	1	25	\$20.07
	240-015312C04	1-1/4" with 12" wall tube, 17ga, 1/box	Chrome	1	25	\$31.31
	240-01531C04	1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	25	\$26.11
	240-0153C04	1-1/4", 17ga, 1/box	Chrome	1	25	\$21.96
	240-0161C04	1-1/2", 22ga, 1/box	Chrome	1	25	\$18.25
	240-0161R104	1-1/2", 22ga, 1/box	Rough Brass	1	25	\$18.08
	240-016215C04	1-1/2" with 12" wall tube, 20ga, 1/box	Chrome	1	25	\$32.82
	240-01621C04	1-1/2" with brass nuts, 20ga, 1/box	Chrome	1	25	\$27.94
	240-0162C04	1-1/2", 20ga, 1/box	Chrome	1	25	\$23.47
	240-0162R104	1-1/2", 20ga, 1/box	Rough Brass	1	25	\$18.80
	240-0163121C04	1-1/2" with 12" wall tube & brass nuts, 17ga, 1/box	Chrome	1	25	\$39.01
	240-016312C04	1-1/2" with 12" wall tube, 17ga, 1/box	Chrome	1	25	\$34.79
	240-01631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	25	\$29.63
	240-0163C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$25.26
240-0163R104	1-1/2", 17ga, 1/box	Rough Brass	1	25	\$22.18	
Metal Tubular - P-Traps - Low-Inlet With Shallow Escutcheon						
	240-01539C04	1-1/4" low inlet, 17ga, 1/box	Chrome	1	25	\$26.74
	240-01639C04	1-1/2" low inlet, 17ga 1/box	Chrome	1	25	\$30.56
Metal Tubular - P-Traps - Choke Neck						
	240-01831C04	1-1/2" X 1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	25	\$30.31
	240-0183C04	1-1/2" X 1-1/4", 17ga, 1/box	Chrome	1	25	\$26.09
Metal Tubular - P-Traps - With Deep Bell Escutcheon						
	240-0252C04	1-1/4", 20ga, 1/box	Chrome	1	25	\$16.94
	240-025315C04	1-1/4" with 12" wall tube, 17ga, 1/box	Chrome	1	25	\$33.31
	240-02531C04	1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	25	\$22.18
	240-0253C04	1-1/4", 17ga, 1/box	Chrome	1	25	\$24.96
	240-0261C04	1-1/2", 22ga, 1/box	Chrome	1	25	\$23.42
	240-0262C04	1-1/2", 20ga, 1/box	Chrome	1	25	\$26.24
	240-026312C04	1-1/2" with 12" wall tube, 17ga, 1/box	Chrome	1	25	\$36.31
	240-02631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	25	\$25.44
240-0263C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$27.26	





	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - P-Traps - With Deep Box Escutcheon						
	240-03531C04	1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	25	\$26.99
	240-0353C04	1-1/4", 17ga, 1/box	Chrome	1	25	\$24.96
	240-03631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	25	\$31.48
	240-0363C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$27.26
Metal Tubular - P-Traps - With Cleanout & Shallow Escutcheon						
	240-0452C04	1-1/4", 20ga, 1/box	Chrome	1	25	\$22.94
	240-0453C04	1-1/4", 17ga, 1/box	Chrome	1	25	\$28.90
	240-0454C04	1-1/4" with cast body, 17ga, 1/box	Chrome	1	25	\$34.90
	240-04571C04	1-1/4" with cast body & brass nuts, 17ga, 1/box	Chrome	1	25	\$33.38
	240-0462C04	1-1/2", 20ga, 1/box	Chrome	1	25	\$26.61
	240-04631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	25	\$36.55
	240-0463C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$30.32
	240-0464C04	1-1/2" with cast body, 17ga, 1/box	Chrome	1	25	\$40.45
	240-0467C04	1-1/2" with cast body & brass nuts, 17ga, 1/box	Chrome	1	25	\$44.67
240-0487C04	1-1/2" x 1-1/4" with cast body, 17ga, 1/box	Chrome	1	25	\$40.45	
Metal Tubular - P-Traps - With Cleanout & Deep Bell Escutcheon						
	240-0553C04	1-1/4", 17ga, 1/box	Chrome	1	25	\$30.90
	240-05541C04	1-1/4" with cast body & brass nuts, 17ga, 1/box	Chrome	1	25	\$34.87
	240-0554C04	1-1/4" with cast body, 17ga, 1/box	Chrome	1	25	\$34.87
	240-0563C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$32.32
	240-0564C04	1-1/2" with cast body, 17ga, 1/box	Chrome	1	25	\$39.16
Metal Tubular - P-Traps - With Cleanout & Deep Box Escutcheon						
	240-05B531C04	1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	25	\$34.54
	240-05B631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	25	\$36.54
Metal Tubular - P-Traps - With Ground Joint & Shallow Escutcheon						
	240-06631C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$35.57
Metal Tubular - P-Traps - Regulation Trap						
	240-08648R104	L.A. trap, 1-1/2" slip joint x 1-1/2" FIP, cast brass, 1/box	Rough Brass	1	5	\$28.49
	240-08688R104	L.A. trap, 1-1/2" slip joint x 1-1/2" sweat, cast brass, 1/box	Rough Brass	1	5	\$28.73
	240-08848C04	L.A. trap, 1-1/4" slip joint x 1-1/2" FIP, cast brass, 1/box	Chrome	1	5	\$38.56
	240-08948R104	L.A. trap, 1-1/2" slip joint x 2" FIP, cast brass, 1/box	Rough Brass	1	5	\$56.31





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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - P-Traps - Regulation Trap With Cleanout						
	240-09648R104	L.A. trap, 1-1/2" slip joint x 1-1/2" FIP, cast brass, 1/box	Rough Brass	1	5	\$32.12
	240-09847C04	N.Y. trap, 1-1/4" slip joint x 1-1/2" FIP, cast brass, 1/box	Chrome	1	5	\$39.28
	240-09847R104	N.Y. trap, 1-1/4" slip joint x 1-1/2" FIP, cast brass, 1/box	Rough Brass	1	5	\$28.57
	240-09848C04	L.A. trap, 1-1/4" slip joint x 1-1/2" FIP, cast brass, 1/box	Chrome	1	5	\$41.82
	240-09947C04	N.Y. trap, 1-1/2" slip joint x 2" FIP, cast brass, 1/box	Chrome	1	5	\$43.04
	240-09947R104	N.Y. trap 1-1/2" slip joint x 2" FIP, cast brass, 1/box	Rough Brass	1	5	\$31.19
	240-09988R104	L.A. trap, 1-1/2" slip joint x 2" sweat, cast brass, 1/box	Rough Brass	1	5	\$58.39
Metal Tubular - P-Traps - Utility Trap						
	240-19875C04	Milwaukee trap, 1-1/4" slip joint x 1-1/2" MIP, 17ga, 1/box	Chrome	1	25	\$35.12
Metal Tubular - P-Traps - Utility Trap With Cleanout						
	240-20825C04	Milwaukee trap, 1-1/4" slip joint x 1-1/2" MIP, 20ga, 1/box	Chrome	1	25	\$33.11
	240-20835C04	Milwaukee trap, 1-1/4" slip joint x 1-1/2" MIP, 17ga, 1/box	Chrome	1	25	\$37.37
Metal Tubular - P-Traps - Adjustable Sink Trap						
	240-2267C04	Swivel sink trap, 1-1/2" slip joint x 1-1/2" FIP, 17ga, 1/box	Chrome	1	25	\$30.07
	240-22836C04	Washington swivel sink trap, 1-1/4" slip joint x 1-1/2" FIP, 20ga, 1/box	Chrome	1	25	\$39.95
	240-22873C04	Swivel sink trap, 1-1/4" slip joint x 1-1/2" PVC with cover, 17ga, 1/box	Chrome	1	10	\$46.39
	240-2287C04	L.A. swivel sink trap, 1-1/4" slip joint x 1-1/2" FIP, 17ga, 1/box	Chrome	1	25	\$32.71
Metal Tubular - P-Traps - Repair Trap						
	240-1052C04	1-1/4", 20ga, 1/box	Chrome	1	25	\$23.58
	240-1062C04	1-1/2", 20ga, 1/box	Chrome	1	25	\$28.76
Metal Tubular - S-Traps - Standard						
	240-1151C04	1-1/4", 22ga, 1/box	Chrome	1	12	\$27.37
	240-1152C04	1-1/4", 20ga, 1/box	Chrome	1	12	\$28.09
	240-1153C04	1-1/4", 17ga, 1/box	Chrome	1	12	\$30.90
	240-1161C04	1-1/2", 22ga, 1/box	Chrome	1	12	\$30.04
	240-1162C04	1-1/2", 20ga, 1/box	Chrome	1	12	\$32.82
	240-1163C04	1-1/2", 17ga, 1/box	Chrome	1	12	\$38.54

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - S-Traps - With Deep Bell Escutcheon						
	240-12531C04	1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	12	\$35.39
	240-12631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	12	\$41.47
Metal Tubular - S-Traps - With Deep Box Escutcheon						
	240-13531C04	1-1/4" with brass nuts, 17ga, 1/box	Chrome	1	12	\$35.39
	240-1352C04	1-1/4", 20ga, 1/box	Chrome	1	12	\$28.74
	240-1353C04	1-1/4", 17ga, 1/box	Chrome	1	12	\$31.55
	240-1362C04	1-1/2", 20ga, 1/box	Chrome	1	12	\$33.47
	240-13631C04	1-1/2" with brass nuts, 17ga, 1/box	Chrome	1	12	\$41.47
Metal Tubular - S-Traps - With Cleanout						
	240-1453C04	1-1/4", 17ga, 1/box	Chrome	1	12	\$43.72
	240-1463C04	1-1/2", 17ga, 1/box	Chrome	1	12	\$49.01
Metal Tubular - S-Traps - Washing Machine Trap						
	240-1861C04	1-1/2", 22ga, 1/box	Chrome	1	12	\$39.16
Metal Tubular - J-Bend (for P and S traps)						
	240-1551C12	1-1/4", 22ga, 1/box	Chrome	1	12	\$10.76
	240-1552C04	1-1/4", 20ga, 1/box	Chrome	1	25	\$15.13
	240-1553C04	1-1/4", 17ga, 1/box	Chrome	1	25	\$15.90
	240-1561C01	1-1/2", 22ga, 1/box	Chrome	1	12	\$14.01
	240-1562C04	1-1/2", 20ga, 1/box	Chrome	1	25	\$16.59
	240-1563C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$19.24
Metal Tubular - J-Bend (for S-traps)						
	240-1661C04	1-1/2", 22ga, 1/box	Chrome	1	25	\$10.75
	240-1662C04	1-1/2", 20ga, 1/box	Chrome	1	25	\$19.17
	240-1663C04	1-1/2", 17ga, 1/box	Chrome	1	25	\$22.62






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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Low-Inlet J-Bends						
	240-2163C04	1-1/2" low-inlet, 17ga, 1/box	Chrome	1	25	\$17.99
Metal Tubular - Wall Bend						
	240-175107C24	1-1/4" x 7", 22ga, 1/bag	Chrome	1	24	\$8.19
	240-176107C24	1-1/2" x 7", 22ga, 1/bag	Chrome	1	24	\$9.49
	240-176212C24	1-1/2" x 12", 20ga, 1/bag	Chrome	1	24	\$17.35
	240-176307C24	1-1/2" x 7", 17ga, 1/bag	Chrome	1	24	\$14.24
Metal Tubular - End Outlet - Slip Joint						
	240-276116C04	1-1/2" X 16", 22ga, 1/box	Chrome	1	25	\$38.58
	240-276121C04	1-1/2" X 21", 22ga, 1/box	Chrome	1	25	\$47.56
	240-276216C04	1-1/2" X 16", 20ga, 1/box	Chrome	1	25	\$41.66
	240-276221C04	1-1/2" X 21", 20ga, 1/box	Chrome	1	25	\$51.13
	240-276316C04	1-1/2" X 16", 17ga, 1/box	Chrome	1	25	\$46.33
	240-276321C04	1-1/2" X 21", 17ga, 1/box	Chrome	1	25	\$54.57
Metal Tubular - End Outlet - Direct Connect						
	240-286116C04	1-1/2" X 16", 22ga, 1/box	Chrome	1	25	\$33.70
	240-286216C04	1-1/2" X 16", 20ga, 1/box	Chrome	1	25	\$37.23
	240-286316C04	1-1/2" X 16" with brass nuts, 17ga, 1/box	Chrome	1	25	\$41.45
Metal Tubular - Center Outlet - Slip Joint						
	240-306116C04	1-1/2" X 16", 22ga, 1/box	Chrome	1	25	\$39.57
	240-306121C04	1-1/2" X 21", 22ga, 1/box	Chrome	1	25	\$45.61
	240-306216C04	1-1/2" X 16", 20ga, 1/box	Chrome	1	25	\$46.16
	240-3062161C04	1-1/2" X 21", 20ga, 1/box	Chrome	1	25	\$51.13
	240-3063161C04	1-1/2" X 16" with brass nuts, 17ga, 1/box	Chrome	1	25	\$50.57
Metal Tubular - Center Outlet - Direct Connect						
	240-316116C04	1-1/2" X 16", 22ga, 1/box	Chrome	1	25	\$34.88
	240-316216C04	1-1/2" X 16", 20ga, 1/box	Chrome	1	25	\$38.47
	240-316316C04	1-1/2" X 16", 17ga, 1/box	Chrome	1	25	\$49.90





	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Disposer Waste						
	240-336213C04	1-1/2" X 13", 20ga, 1/box	Chrome	1	25	\$41.72
	240-336313C04	1-1/2" X 13", 17ga, 1/box	Chrome	1	25	\$49.45
Metal Tubular - Reducing Flanged Sink Tailpiece						
	240-405104C50	1-1/2" x 1-1/4" x 4", 22ga, 1/bag	Chrome	1	50	\$7.99
	240-405106C50	1-1/2" x 1-1/4" x 6", 22ga, 1/bag	Chrome	1	50	\$8.09
	240-405108C25	1-1/2" x 1-1/4" x 8", 22ga, 1/bag	Chrome	1	25	\$8.14
	240-405112C25	1-1/2" x 1-1/4" x 12", 22ga, 1/bag	Chrome	1	25	\$10.88
Metal Tubular - Flanged Sink Tailpiece						
	240-406104C50	1-1/2" x 4", 22ga, 1/bag	Chrome	1	50	\$4.23
	240-406106C50	1-1/2" x 6", 22ga, 1/bag	Chrome	1	50	\$5.92
	240-406106R150	1-1/2" x 6", 22ga, 1/bag	Rough Brass	1	50	\$5.36
	240-406108C25	1-1/2" x 8", 22ga, 1/bag	Chrome	1	25	\$7.06
	240-406108R125	1-1/2" x 8", 22ga, 1/bag	Chrome	1	25	\$8.24
	240-406112C25	1-1/2" x 12", 22ga, 1/bag	Chrome	1	25	\$9.33
	240-406112R125	1-1/2" x 12", 22ga, 1/bag	Rough Brass	1	25	\$8.77
	240-406118R125	1-1/2" x 18", 22ga, 1/bag	Rough Brass	1	25	\$13.41
	240-406124R125	1-1/2" x 24", 22ga, 1/bag	Rough Brass	1	25	\$17.91
	240-406204C50	1-1/2" x 4", 20ga, 1/bag	Chrome	1	50	\$5.50
	240-406206C50	1-1/2" x 6", 20ga, 1/bag	Chrome	1	50	\$6.74
	240-406206R150	1-1/2" x 6", 20ga, 1/bag	Rough Brass	1	50	\$5.98
	240-406208C25	1-1/2" x 8", 20ga, 1/bag	Chrome	1	25	\$8.61
	240-406306C50	1-1/2" x 6", 17ga, 1/bag	Chrome	1	50	\$8.28
	240-406212C25	1-1/2" x 12", 20ga, 1/bag	Chrome	1	25	\$11.11
	240-406212R125	1-1/2" x 12", 20ga, 1/bag	Rough Brass	1	25	\$10.64
	240-406308R125	1-1/2" x 8", 17ga, 1/bag	Rough Brass	1	25	\$8.95
	240-406312C25	1-1/2" x 12", 17ga, 1/bag	Chrome	1	25	\$15.44
	240-406312R125	1-1/2" x 12", 17ga, 1/bag	Rough Brass	1	25	\$12.97
	240-406308C25	1-1/2" x 8", 17ga, 1/bag	Chrome	1	25	\$10.01
Metal Tubular - Double Flanged Sink Tailpiece						
	240-416116C25	1-1/2" x 16", 22ga, 1/bag	Chrome	1	25	\$11.35
	240-416216C25	1-1/2" x 16", 20ga, 1/bag	Chrome	1	25	\$17.74
	240-416316C25	1-1/2" x 16", 17ga, 1/bag	Chrome	1	25	\$21.35




Buying Guide

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - LongBranch Dishwasher Tailpiece - 1/2" - Direct Connect						
	200-062	1-1/2" x 6" x 1/2" branch with die cast zinc nut, 22ga	Rough Brass	25	25	\$13.21
	200-064	1-1/2" x 6" x 1/2" branch with solid brass nut, 22ga	Rough Brass	25	25	\$13.98
	200-066	1-1/2" x 6" x 1/2" branch with solid brass nut, 22ga	Chrome	25	25	\$17.77
	200-082	1-1/2" x 8" x 1/2" branch with die cast zinc nut, 22ga	Rough Brass	25	25	\$13.95
	200-084	1-1/2" x 8" x 1/2" branch with solid brass nut, 22ga	Rough Brass	25	25	\$16.45
	200-122	1-1/2" x 12" x 1/2" branch with die cast zinc nut, 22ga	Rough Brass	25	25	\$18.40
	200-124	1-1/2" x 12" x 1/2" branch with solid brass nut, 22 gauge, Domestic	Rough Brass	25	25	\$19.16
	200-12225	1-1/2" x 12" x 1/2" branch with solid brass nut, 22 gauge, Imported	Rough Brass	25	25	\$13.15
Metal Tubular - LongBranch Dishwasher Tailpiece - 1/2" - Fine Thread						
	204-068	1-1/2" x 6" x 1/2" branch, 20ga	Chrome	25	25	\$21.52
Metal Tubular - LongBranch Dishwasher Tailpiece - 1/2" - Slip Joint						
	206-064	1-1/2" x 6" x 1/2" branch with solid brass nut, 22ga	Rough Brass	25	25	\$17.50
	206-066	1-1/2" x 6" x 1/2" branch with solid brass nut, 22ga	Chrome	25	25	\$22.59
	206-084	1-1/2" x 8" x 1/2" branch with solid brass nut, 22ga	Rough Brass	25	25	\$20.39
Metal Tubular - Dishwasher Tailpiece - 3/4" - Direct Connect						
	210-064	1-1/2" x 6" x 3/4" branch with solid brass nut, 22ga	Rough Brass	25	25	\$13.96
	210-066	1-1/2" x 6" x 3/4" branch with solid brass nut, 22ga	Chrome	25	25	\$18.47
	210-084	1-1/2" x 8" x 3/4" branch with solid brass nut, 22ga	Rough Brass	25	25	\$15.60
	210-086	1-1/2" x 8" x 3/4" branch with solid brass nut, 22ga	Chrome	25	25	\$17.92
	210-122	1-1/2" x 12" x 3/4" branch with die cast zinc nut, 22ga	Rough Brass	25	25	\$19.89
Metal Tubular - Dishwasher Tailpiece - 3/4" - Slip Joint						
	216-084	1-1/2" x 8" x 3/4" branch with solid brass nut, 22ga	Rough Brass	25	25	\$19.51
	216-086	1-1/2" x 8" x 3/4" branch with solid brass nut, 22ga	Chrome	25	25	\$20.78





	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Dishwasher Tailpiece - 3/4" - All Purpose						
	210-28625	1-1/2" x 8" x 3/4" branch with die cast zinc nut, 22ga, 1/bag	Chrome	25	25	\$24.24
Metal Tubular - Dishwasher Tailpiece - 1/2" & 3/4" - Direct Connect						
	207-06325	1-1/2" x 6" x 1/2" branch with brass nut, 22ga, 1/bag	Chrome	25	25	\$22.51
	207-08325	1-1/2" x 8" x 1/2" branch with die cast zinc nut, 22ga, 1/bag	Chrome	25	25	\$17.27
	207-12225	1-1/2" x 12" x 1/2" branch with die cast zinc nut, 22ga, 1/bag	Rough Brass	25	25	\$13.05
	207-12425	1-1/2" x 12" x 1/2" branch with solid brass nut, 17ga	Rough Brass	25	25	\$28.18
	210-38625	1-1/2" x 8" x dual branch (1/2" CTS x 3/4" MHT) with die cast zinc nut, 22ga	Chrome	25	25	\$22.55
	210-12225	1-1/2" x 12" x 3/4" branch with die cast zinc nut, 22ga	Rough Brass	1	25	\$16.84
Metal Tubular - Lavatory Branch Tailpiece - 3/4" - Fine Thread						
	213-060	1-1/4" x 6" x 3/4" branch, 20ga	Chrome	25	25	\$15.55
	213-068	1-1/4" x 6" x 3/4" branch, 20ga	Chrome	25	25	\$20.25
Metal Tubular - Lavatory Branch Tailpiece - 3/4" - Fine Thread x Fine Thread						
	213-061	1-1/4" x 6" x 3/4" branch, 20ga	Rough Brass	25	25	\$15.94
Metal Tubular - Lavatory Branch Tailpiece - 3/4" - Slip Joint						
	215-064	1-1/4" x 6" x 3/4" branch, 22ga	Rough Brass	25	25	\$16.90
	215-066	1-1/4" x 6" x 3/4" branch, 22ga	Chrome	25	25	\$21.78

Buying Guide

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - MajorTee - Condensate Hy-Set - 3/4" - Fine Thread						
	213-067	1-1/4" x 6" x 3/4" MIP branch	Rough Brass	25	25	\$20.64
	213-069	1-1/4" x 6" x 3/4" branch	Rough Brass	25	25	\$15.17
Metal Tubular - Slip Extension						
	240-455106C32	1-1/4" x 6", 22ga, 1/bag	Chrome	1	32	\$6.84
	240-455108C16	1-1/4" x 8", 22ga, 1/bag	Chrome	1	16	\$7.82
	240-455112C16	1-1/4" x 12", 22ga, 1/bag	Chrome	1	16	\$9.88
	240-455112R116	1-1/4" x 12", 22ga, 1/bag	Rough Brass	1	16	\$7.11
	240-455206C32	1-1/4" x 6", 20ga, 1/bag	Chrome	1	32	\$9.12
	240-455208C16	1-1/4" x 8", 20ga, 1/bag	Chrome	1	16	\$11.90
	240-455212C16	1-1/4" x 12", 20ga, 1/bag	Chrome	1	16	\$13.91
	240-455306C32	1-1/4" x 6", 17ga, 1/bag	Chrome	1	32	\$10.50
	240-455308C16	1-1/4" x 8", 17ga, 1/bag	Chrome	1	16	\$12.30
	240-455312C16	1-1/4" x 12", 17ga, 1/bag	Chrome	1	16	\$16.26
	240-456106C32	1-1/2" x 6", 22ga, 1/bag	Chrome	1	32	\$7.82
	240-456108C16	1-1/2" x 8", 22ga, 1/bag	Chrome	1	16	\$8.80
	240-4561106C32	1-1/2" x 6" with brass nuts, 22ga, 1/bag	Chrome	1	32	\$10.41
	240-4561112C16	1-1/2" x 12" with brass nuts, 22ga, 1/bag	Chrome	1	16	\$14.70
	240-456112C16	1-1/2" x 12", 22ga, 1/bag	Chrome	1	16	\$12.34
	240-456112R106	1-1/2" x 12", 22ga, 1/bag	Rough Brass	1	16	\$11.74
	240-456206C16	1-1/2" x 6", 20ga, 1/bag	Chrome	1	16	\$9.86
	240-456208C16	1-1/2" x 8", 20ga, 1/bag	Chrome	1	16	\$12.66
	240-456212C16	1-1/2" x 12", 20ga, 1/bag	Chrome	1	16	\$15.96
	240-456306C32	1-1/2" x 6", 17ga, 1/bag	Chrome	1	32	\$10.99
	240-456308C16	1-1/2" x 8", 17ga, 1/bag	Chrome	1	16	\$14.62
	240-4563121C16	1-1/2" x 12" with brass nuts, 17ga, 1/bag	Chrome	1	16	\$20.94
240-4563121R116	1-1/2" x 12" with brass nuts, 17ga, 1/bag	Rough Brass	1	16	\$16.47	
240-456312C16	1-1/2" x 12", 17ga, 1/bag	Chrome	1	16	\$18.11	
Metal Tubular - Double Slip Extension						
	240-465115C16	1-1/4" x 16", 22ga, 1/bag	Chrome	1	16	\$13.11
	240-466116C16	1-1/2" x 16", 22ga, 1/bag	Chrome	1	16	\$15.29
	240-466216C16	1-1/2" x 16", 20ga, 1/bag	Chrome	1	16	\$21.96
Metal Tubular - Solder Joint Extension						
	240-475106C50	1-1/4" x 6", 22ga, 1/bag	Chrome	1	50	\$5.67
	240-475108C25	1-1/4" x 8", 22ga, 1/bag	Chrome	1	25	\$7.01
	240-475112C25	1-1/4" x 12", 22ga, 1/bag	Chrome	1	25	\$9.89
	240-476106C01	1-1/2" x 6", 22ga, 1/bag	Chrome	1	25	\$8.38
	240-476108C25	1-1/2" x 8", 22ga, 1/bag	Chrome	1	25	\$9.89
	240-476112C25	1-1/2" x 12", 22ga, 1/bag	Chrome	1	25	\$12.47
	240-476212C25	1-1/2" x 12", 20ga, 1/bag	Chrome	1	25	\$14.81



	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Straight Basin Waste						
	240-486124C04	1-1/2" x 24", 22ga, 1/box	Chrome	1	12	\$29.12
Metal Tubular - Waste Bend - Slip Joint						
	240-606107C01	1-1/2" x 7", 22ga, 1/bag	Chrome	1	25	\$10.01
	240-606108R124	1-1/2" x 8", 22ga, 1/bag	Rough Brass	1	24	\$10.32
	240-606111C24	1-1/2" x 11-1/2", 22ga, 1/bag	Chrome	1	24	\$14.29
	240-606111R124	1-1/2" x 11-1/2", 22ga, 1/bag	Rough Brass	1	24	\$12.67
	240-606115C24	1-1/2" x 15", 22ga, 1/bag	Chrome	1	24	\$18.70
	240-606118R124	1-1/2" x 18", 22ga, 1/bag	Rough Brass	1	24	\$15.01
	240-606124R124	1-1/2" x 24", 22ga, 1/bag	Rough Brass	1	24	\$20.12
	240-606136R124	1-1/2" x 36", 22ga, 1/bag	Rough Brass	1	24	\$29.25
	240-606211C24	1-1/2" x 11-1/2", 20ga, 1/bag	Chrome	1	24	\$22.01
	240-606215C24	1-1/2" x 15", 20ga, 1/bag	Chrome	1	24	\$25.86
	240-606224R124	1-1/2" x 24", 20ga, 1/bag	Rough Brass	1	24	\$32.55
	240-6063111C24	1-1/2" x 11-1/2" with brass nut, 17ga, 1/bag	Chrome	1	24	\$24.12
	240-6063112R124	1-1/2" x 12" with brass nut, 17ga, 1/bag	Rough Brass	1	24	\$22.29
	240-6063181R124	1-1/2" x 18" with brass nut, 17ga, 1/bag	Rough Brass	1	24	\$33.11
	240-6063241C24	1-1/2" x 24" with brass nut, 17ga, 1/bag	Chrome	1	24	\$47.95
240-6063241R124	1-1/2" x 24" with brass nut, 17ga, 1/bag	Rough Brass	1	24	\$41.51	
240-606324R124	1-1/2" x 24", 17ga, 1/bag	Rough Brass	1	24	\$39.40	
Metal Tubular - Waste Bend - Direct Connect						
	240-616107C01	1-1/2" x 7", 22ga, 1/bag	Chrome	1	24	\$7.90
	240-616111C24	1-1/2" x 11-1/2", 22ga, 1/bag	Chrome	1	24	\$11.96
	240-616111R124	1-1/2" x 11-1/2", 22ga, 1/bag	Rough Brass	1	24	\$9.57
	240-616115C24	1-1/2" x 15", 22ga, 1/bag	Chrome	1	24	\$15.01
	240-616115R124	1-1/2" x 15", 22ga, 1/bag	Rough Brass	1	24	\$11.12
	240-616124C24	1-1/2" x 24", 22ga, 1/bag	Chrome	1	24	\$21.77
	240-616124R124	1-1/2" x 24", 22ga, 1/bag	Rough Brass	1	24	\$15.93
	240-616215C24	1-1/2" x 15", 20ga, 1/bag	Chrome	1	24	\$23.19
	240-616311C24	1-1/2" x 11", 17ga, 1/bag	Chrome	1	24	\$20.87
240-616311R124	1-1/2" x 11-1/2", 17ga, 1/bag	Rough Brass	1	24	\$18.23	

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Waste Bend - Slip Joint X Direct Connect						
	240-626124R120	1-1/2" x 24", 22ga, 1/bag	Rough Brass	1	20	\$27.35
Metal Tubular - Waste Bend - Plain End						
	240-636312R124	1-1/2" x 12" x 12", 17ga, 1/bag	Rough Brass	1	24	\$38.08
	240-636316R116	1-1/2" x 16" x 18", 17ga, 1/bag	Rough Brass	1	16	\$51.01
Metal Tubular - Threaded Tube - Both Ends						
	240-705206C50	1-1/4" x 6", 20ga, 1/bag	Chrome	1	50	\$7.08
	240-705208C25	1-1/4" x 8", 20ga, 1/bag	Chrome	1	25	\$8.47
	240-705212C25	1-1/4" x 12", 20ga, 1/bag	Chrome	1	25	\$10.86
	240-705212R125	1-1/4" x 12", 20ga, 1/bag	Rough Brass	1	25	\$9.11
	240-705312C25	1-1/4" x 12", 17ga, 1/bag	Chrome	1	25	\$12.80
	240-705312R125	1-1/4" x 12", 17ga, 1/bag	Rough Brass	1	25	\$11.53
	240-705318C25	1-1/4" x 18", 17ga, 1/bag	Chrome	1	25	\$20.68
	240-703212C25	1-3/8" x 12", 20ga, 1/bag	Chrome	1	25	\$16.07
	240-706206C06	1-1/2" x 6", 20ga, 1/bag	Chrome	1	50	\$6.81
	240-706208C25	1-1/2" x 8", 20ga, 1/bag	Chrome	1	25	\$9.34
	240-706212C25	1-1/2" x 12", 20ga, 1/bag	Chrome	1	25	\$12.90
	240-706212R125	1-1/2" x 12", 20ga, 1/bag	Rough Brass	1	25	\$11.53
	240-706218R125	1-1/2" x 18", 20ga, 1/bag	Rough Brass	1	25	\$17.88
	240-706224R125	1-1/2" x 24", 20ga, 1/bag	Rough Brass	1	25	\$23.17
	240-706312C25	1-1/2" x 12", 17ga, 1/bag	Chrome	1	25	\$15.86
	240-706312R125	1-1/2" x 12", 17ga, 1/bag	Rough Brass	1	25	\$13.94
240-706318R125	1-1/2" x 18", 17ga, 1/bag	Rough Brass	1	25	\$20.02	
Metal Tubular - Threaded Tube - One End						
	240-718108C25	1-1/2" x 1-1/4" x 8", 20ga	Chrome	1	25	\$14.58

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Coupling						
	240-8051C25	1-1/4", 22ga, 1/bag	Chrome	1	25	\$6.19
	240-8061C25	1-1/2", 22ga, 1/bag	Chrome	1	25	\$7.51
Metal Tubular - Elbow (90) - Slip Joint						
	240-8251C25	1-1/4", 22ga, 1/bag	Chrome	1	25	\$9.04
	240-8261C25	1-1/2", 22ga, 1/bag	Chrome	1	25	\$8.80
Metal Tubular - Elbow (90) - Slip Joint X Plain End						
	240-825106C01	1-1/4" x 6", 22ga, 1/bag	Chrome	1	24	\$10.62
	240-825108C01	1-1/4" x 8", 22ga, 1/bag	Chrome	1	12	\$11.23
	240-825112C01	1-1/4" x 12", 22ga, 1/bag	Chrome	1	12	\$15.63
	240-825112R101	1-1/4" x 12", 22ga, 1/bag	Rough Brass	1	24	\$16.86
	240-826112C01	1-1/2" x 12", 22ga, 1/bag	Chrome	1	12	\$21.27
Metal Tubular - Elbow (45) - Slip Joint						
	240-8451C25	1-1/4", 22ga, 1/bag	Chrome	1	25	\$12.10
	240-8461C25	1-1/2", 22ga, 1/bag	Chrome	1	50	\$12.49
Metal Tubular - Tee - 3-Way - Slip Joint						
	240-8561R112	1-1/2", cast brass, 1/bag	Rough Brass	1	12	\$13.86
	240-8564C01	1-1/2", cast brass, 1/bag	Chrome	1	12	\$20.80
Metal Tubular - Tee - Center Outlet - Slip Joint						
	240-8664C12	1-1/2", cast brass, 1/bag	Chrome	1	12	\$17.35

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Tee - End Outlet - Slip Joint						
	240-8764C06	1-1/2", cast brass, 1/bag	Chrome	1	12	\$21.92
Metal Tubular - Tee - End Outlet - Direct Connect						
	240-8864C12	1-1/2", cast brass, 1/bag	Chrome	1	12	\$22.12
Metal Tubular - Double Offset - Slip Joint						
	240-9051C50	1-1/4", 22ga, 1/bag	Chrome	1	50	\$13.55
	240-9051R150	1-1/4", 22ga, 1/bag	Rough Brass	1	50	\$13.05
	240-9061R150	1-1/2", 22ga, 1/bag	Rough Brass	1	50	\$13.70
	240-9062C50	1-1/2", 20ga, 1/bag	Chrome	1	50	\$19.57
	240-90631R150	1-1/2" with brass nutss, 17ga, 1/bag	Rough Brass	1	50	\$21.37
	240-9052C50	1-1/4", 20ga, 1/bag	Chrome	1	50	\$17.64
	240-90631C50	1-1/2" with brass nuts, 17ga, 1/bag	Chrome	1	50	\$25.16
	240-9061C25	1-1/2", 22ga, 1/bag	Chrome	1	50	\$15.58
Metal Tubular - Swing Tee						
	240-9394R104	1-1/2" slip joint x 1-1/2" slip joint x 2" FIP cast brass, 1/box	Rough Brass	1	15	\$58.59
Metal Tubular - Low Seal Bath Trap						
	240-9464R104	1-1/2" FIP x 1-1/2" FIP, cast brass, 1/box	Rough Brass	1	25	\$25.15
Metal Tubular - Cover Tube - Wide Bell						
	240-98720625	2" x 6", 1/bag	Chrome	1	100	\$17.24

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular - Sink Funnel						
	240-996208R116	1-1/2" x 8", 1/bag	Rough Brass	1	50	\$21.74
Metal Tubular Accessories - Slip Nuts - Brass						
	980-5	1-1/4"	Chrome	100	100	\$1.82
	980-6	1-1/2"	Chrome	100	100	\$2.11
	980-8	1-1/2" x 1-1/4"	Chrome	100	100	\$2.21
	981-5	1-1/4"	Rough Brass	100	100	\$1.67
	981-6	1-1/2"	Rough Brass	100	100	\$1.97
	981-8	1-1/2" x 1-1/4"	Rough Brass	50	500	\$2.06
Metal Tubular Accessories - Slip Nuts - Zinc						
	985-5	1-1/4"	Chrome	100	100	\$1.01
	985-6	1-1/2"	Chrome	100	100	\$1.12
	985-8	1-1/2" x 1-1/4"	Chrome	100	100	\$1.41
	986-700	2"	Chrome	1	100	\$1.98
	986-6	1-1/2"	Rough Brass	100	100	\$0.99
Metal Tubular Accessories - Washers - Square-Cut Slip Joint						
	995-20320	1-1/4", 25/bag	-	25	200	\$0.32
	995-5	1-1/4", 100/bag	-	100	1000	\$0.30
	995-20330	1-1/2", 25/bag	-	25	200	\$0.28
	995-6	1-1/2", 100/bag	-	100	1000	\$0.26
	995-20335	1-1/2" x 1-1/4", 25/bag	-	25	200	\$0.30
	995-8	1-1/2" x 1-1/4", 100/bag	-	100	1000	\$0.28
	995-20340	2", 1/bag	-	25	200	\$0.28
Metal Tubular Accessories - Washers - Cloth-Inserted Tailpiece						
	990-20385	1-1/2", 25/bag	-	25	300	\$0.46
	990-7	1-1/2", 100/bag	-	100	1000	\$0.43
Metal Tubular Accessories - DripFree Washers - Slip Joint						
	290-20300	1-1/4" slip joint, 25/PK	-	25	300	\$0.51
	290-20301	1-1/4" slip joint, 100/PK	-	100	1000	\$0.47
	290-20310	1-1/2" slip joint, 25/PK	-	25	300	\$0.51
	290-20311	1-1/2" slip joint, 100/PK	-	100	1000	\$0.47
	290-20313	1-1/2" x 1-1/4" reducing slip joint, 50/PK	-	50	500	\$0.60

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Metal Tubular Accessories - DripFree Washers - Tailpiece						
	290-20380	1-1/2", 25/PK	-	25	300	\$0.56
	290-20381	1-1/2", 100/PK	-	100	1000	\$0.52
Metal Tubular Accessories - Desanco Fittings						
	270-525	1-1/4" OD x 1-1/4" MIP with brass ferrule & die cast zinc nut, 1/bag	-	25	100	\$8.83
	270-6	1-1/2" OD x 1-1/2" MIP with brass ferrule & brass nut, 1/bag	-	25	25	\$10.07
	272-6	1-1/2" OD x 1-1/2" FIP with brass ferrule & brass nut, 1/bag	-	25	25	\$10.32
	272-601	1-1/2" OD x 1-1/2" FIP with brass ferrule & die cast zinc nut, 1/bag	-	1	10	\$11.19
	272-5625	1-1/4" OD x 1-1/2" FIP with brass ferrule & die cast zinc nut, 1/bag	-	25	100	\$10.08
Metal Tubular Accessories - DWV Slip Joint Adapter						
	274-5	1-1/4" female sweat x 1-1/4" NPSM thread, brass	-	10	100	\$6.71
	274-6	1-1/2" female sweat x 1-1/2" NPSM thread, brass	-	10	100	\$6.94
	274-7	2" female sweat x 2" NPSM thread, brass	-	10	100	\$7.06
Sink Strainers - Kitchen - KwikFit						
	245-16440C04	Cup style, spring post basket, stainless steel, 1/box	Chrome	1	50	\$9.21
	245-16441C04	Cup style, spring post basket, stainless steel, 1/box	Chrome	1	50	\$16.58
	245-16449C04	Cup style, spring post basket, stainless steel, 1/box	Chrome	1	24	\$9.21
Sink Strainers - Kitchen - Specification						
	245-16450C04	Deep cup style, spring post basket, stainless steel, 1/box	Chrome	1	50	\$19.43
	245-16452C04	Deep cup style, spring post basket, stainless steel with 2 brass nuts, 1/box	Chrome	1	50	\$23.69
	245-16453C04	Deep cup style, spring post basket, stainless steel with 2 brass nuts & tailpiece, 1/box	Chrome	1	50	\$30.41
	245-16450C01	Deep cup style, spring post basket, stainless steel, 1/box	Chrome	1	24	\$19.43
Sink Strainers - Kitchen - Ball-Lok						
	245-16520C04	Cup style, snap post basket, stainless steel, 1/box	Chrome	1	50	\$17.20
	245-16522C04	Cup style, snap post basket, stainless steel with 2 brass nuts, 1/box	Chrome	1	50	\$18.82
	245-12732C04	Cup style, snap post basket, stainless steel with 1 brass nut 1/box	Chrome	1	50	\$16.94

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Sink Strainers - Kitchen - BigBoy						
	245-16470C04	Back nut style, spring post basket, stainless steel, 1/box	Chrome	1	50	\$10.21
	245-16471C04	Back nut style, spring post basket, stainless steel with tailpiece, 1/box	Chrome	1	50	\$14.78
Sink Strainers - Kitchen - Champion						
	245-16540C04	Back nut style, spring post basket, stainless steel, 1/box	Chrome	1	50	\$13.14
	245-16541C04	Back nut style, spring post basket, stainless steel with tailpiece, 1/box	Chrome	1	50	\$13.77
Sink Strainers - Kitchen - ProBrite						
	245-16550C04	FPX back nut style, four prong basket, stainless steel, 1/box	Bright Chrome	1	50	\$22.93
	245-16560C04	SPX back nut style, stick post basket, stainless steel, 1/box	Bright Chrome	1	50	\$22.93
	245-12832C04	Cbox back nut style, rubber seal basket, cast brass with 2 brass nuts, 1/box	Bright Chrome	1	5	\$26.94
Sink Strainers - Kitchen - LokSpin						
	245-16530C04	Back nut style, LokSpin basket, stainless steel, 1/box	Chrome	1	24	\$19.01
Sink Strainers - Kitchen - Eez-On						
	245-16460C04	Thumbscrew installation, spring post basket, stainless steel, 1/box	Chrome	1	50	\$12.20
	245-16462C04	Thumbscrew installation, spring post basket, stainless steel with brass nut, 1/box	Chrome	1	50	\$13.03
	245-16469C04	Thumbscrew installation, spring post basket, stainless steel, 1/box	Chrome	1	24	\$12.20

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Sink Strainers - Kitchen - Sweetheart						
	245-13640C04	Back nut style, fixed post basket, polypropylene, 1/box	Chrome	1	50	\$7.67
	245-13641C04	Back nut style, fixed post basket, polypropylene with tailpiece, 1/box	Chrome	1	50	\$9.90
	245-13640C01	Back nut style, fixed post basket, polypropylene, 1/bag	Chrome	1	50	\$7.67
Sink Strainers - Kitchen - Duo Sink						
	245-12930C04	Back nut style, fixed post basket, stainless steel, 1/box	Chrome	1	50	\$7.09
Sink Strainers - Kitchen - Grid Strainer						
	245-12530C04	"SIG" snap-in-grid flat sink strainer, stainless steel, 1/box	Chrome	1	50	\$10.75
Sink Strainers - Bar - Junior (3-in-1)						
	245-56400C01	3-in-1 strainer with duplex, grid and plug, stainless steel, for 2-1/2" opening, 1/bag	Chrome	25	100	\$7.48
Sink Strainers - Bar - Deep Cup Junior						
	245-52100C04	Deep bail basket, stainless steel, for 2-1/2" opening, 1/bag	Chrome	1	100	\$19.64
Sink Strainers - Bar - Replacement Baskets						
	245-96400C01	Spring post replacement basket for Specification, Eez-On & Champion, 1/bag	Chrome	1	50	\$5.59
	245-96401C01	Fit all replacement basket, 1/bag	Chrome	1	50	\$5.59
	245-96440C01	Spring post replacement basket for KwikFit only, 1/bag	Chrome	1	25	\$5.59
	245-96490C04	Stick post replacement basket, 1/bag	Chrome	1	50	\$5.59
	245-96520C01	Snap post replacement basket for Ball-Lok, 1/bag	Chrome	1	50	\$8.43
	245-99649C04	Junior replacement basket, 1/box	Chrome	1	100	\$5.33







	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Sink Strainers - Bar - Industrial Sink Plug						
	290-20200	Sink plug 1"	Rough Brass	1	10	\$25.85
Sink Strainers - Lavatory - Pop-Up						
	290-20553C04	Cast brass body with overflow, 1-1/4" x 4" 20ga tailpiece, 1/box	Chrome	1	50	\$23.75
Sink Strainers - Lavatory - Fixed Grid						
	290-20514C04	1-1/4" x 8" with overflow, cast brass body with 17ga tailpiece and brass nut, 1/box	Chrome	1	25	\$14.77
	290-20515C04	Wheelchair open grid strainer, cast brass body with 17ga offset tailpiece, overflow, 1/box	Chrome	1	25	\$32.80
Sink Strainers - Lavatory - P.O. Plug Drain - Metal -1piece						
	290-20630C01	P.O. plug drain (with overflow), 1-1/4" x 5", one piece with stopper and chain, 1/bag	Chrome	1	50	\$14.18
	290-20630C04	P.O. plug drain (with overflow), 1-1/4" x 5", one piece with stopper and chain, 1/box	Chrome	1	50	\$21.68
	290-20632C01	P.O. plug drain (with overflow), 1-1/4" x 8", one piece with stopper and chain, 1/bag	Chrome	1	50	\$14.94
	290-20632C04	P.O. plug drain (with overflow), 1-1/4" x 8", one piece with stopper and chain, 1/box	Chrome	1	50	\$20.74
Sink Strainers - Lavatory - P.O. Plug Drain - Metal -2piece						
	290-630223C04	P.O. plug drain (with overflow), 1-1/4" x 5", two piece with stopper and chain, 1/box	Chrome	1	50	\$17.03
	290-206322C04	P.O. plug drain (with overflow), 1-1/4" x 8", two piece with stopper and chain, 1/box	Chrome	1	50	\$28.63
	290-634223C04	P.O. plug drain (with overflow), 1-1/4" x 12", two piece with stopper and chain, 1/box	Chrome	1	25	\$25.14

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Sink Strainers - Lavatory - C.O. Plug Drain - Metal -1piece						
	290-20635C01	C.O. plug drain (less overflow), 1-1/4" x 5", one piece with stopper and chain, 1/bag	Chrome	1	50	\$19.33
	290-20635C04	C.O. plug drain (less overflow), 1-1/4" x 5", one piece with stopper and chain, 1/box	Chrome	1	50	\$22.39
Sink Strainers - Lavatory - P.O. Plug Drain - Plastic						
	290-363020C01	P.O. plug drain (with overflow), 1-1/4" x 5", polypropylene with stopper and chain, 1/bag	Polished Stainless	1	25	\$7.09
	290-3650501	P.O. plug drain (with overflow), 1-1/4" x 5", ABS with stopper and chain, 1/bag	Polished Stainless	1	50	\$7.09
Sink Strainers - Lavatory - C.O. Plug Drain - Plastic						
	290-363520C01	P.O. plug drain (less overflow), 1-1/4" x 5", polypropylene with stopper and chain, 1/bag	Polished Stainless	1	25	\$7.09
Waste/Overflow - Tub - Trip Lever						
	973-2015C04	17 gauge with brass linkage & drop cylinder, 1/box	Chrome	1	10	\$96.95
	973-3015C04	20 gauge with brass linkage & drop cylinder, 1/box	Chrome	1	16	\$63.04
	973-3015PB04	20 gauge with brass linkage & drop cylinder, 1/box	Polished Brass	1	16	\$63.04
	973-3015SN04	20 gauge with brass linkage & drop cylinder, 1/box	Satin Nickel	1	4	\$84.04
Waste/Overflow - Roman Tub - Trip Lever						
	973-3016C04	20 gauge with brass linkage, drop cylinder & 9" shoe, 1/box	Chrome	1	3	\$103.95
Waste/Overflow - Tub - EzyTouch						
	973-2302C04	17 gauge with brass mechanism & 2-hole faceplate, 1/box	Chrome	1	12	\$101.90
	973-3302C04	20 gauge with brass mechanism & 2-hole faceplate, 1/box	Chrome	1	12	\$80.68

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Waste/Overflow - Tub - EzyTouch with Reamed Tee						
	973-2320C04	17 gauge with brass mechanism, 2-hole faceplate & 14" overflow, 1/box	Chrome	1	10	\$89.41
	973-2319C04	17 gauge with brass mechanism, 2-hole faceplate, 1/box	Chrome	1	10	\$86.91
Waste/Overflow - Tub - Twist-N-Close						
	973-3102C04	20 gauge with brass mechanism & 2-hole faceplate, 1/box	Chrome	4	16	\$83.23
Waste/Overflow - Tub - Chain & Stopper						
	973-3702C04	20 gauge with chain, stopper & 2-hole faceplate, 1/box	Chrome	1	3	\$59.17
Waste/Overflow - Tub - Standing Waste						
	973-3900C04	20 gauge, 1-1/2" FIP connection, 1/box	Chrome	1	10	\$99.53
Waste/Overflow - Tub - Trip lever - White Plastic						
	973-0010C01	Plastic linkage & drop cylinder, 1/bag	Chrome	8	8	\$20.24
	973-0015C04	Brass linkage & plastic drop cylinder, 1/box	Chrome	8	8	\$25.47
	973-0010PB04	Plastic linkage & drop cylinder, 1/box	Polished Brass	4	4	\$46.15
	973-0010SN04	Plastic linkage & drop cylinder, 1/box	Satin Nickel	4	4	\$46.15
	973-0015RB04	Brass linkage & plastic drop cylinder, 1/box	Oil-Rubbed Bronze	1	8	\$49.30
Waste/Overflow - Tub - Trip lever - Black Plastic						
	973-1010PB04	Plastic linkage & drop cylinder, 1/box	Polished Brass	4	4	\$46.15
	973-1010SN04	Plastic linkage & drop cylinder, 1/box	Satin Nickel	4	4	\$46.15

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Waste/Overflow - Tub - EzyTouch - White Plastic						
	973-0302C04	Brass mechanism & 2-hole faceplate, 1/box	Chrome	1	8	\$27.57
	973-0402C04	Cast metal mechanism & 2-hole faceplate, 1/bag	Chrome	8	8	\$25.47
Waste/Overflow - Tub - Twist-N-Close - White Plastic						
	973-0102C04	Brass mechanism & 2-hole faceplate, 1/box	Chrome	1	12	\$31.06
	973-0202C01	Cast metal mechanism & 2-hole faceplate, 1/bag	Chrome	1	8	\$23.44
	973-0202C04	Cast metal mechanism & 2-hole faceplate, 1/box	Chrome	8	8	\$23.44
Waste/Overflow - Tub - EzyTouch - PVC With Pipe & Tee						
	973-6301C04	Brass mechanism & 1-hole faceplate, 1/box	Chrome	4	4	\$29.40
Waste/Overflow - Tub - EzyTouch - ABS With Pipe & Tee						
	973-8301C01	Brass mechanism & 1-hole faceplate, 1/bag	Chrome	1	8	\$29.40
	973-8301PB04	Brass mechanism & 1-hole faceplate, 1/box	Polished Brass	4	4	\$57.72
	973-8401C01	Cast metal mechanism & 1-hole faceplate, 1/bag	Chrome	1	12	\$26.94
Waste/Overflow - Tub - Twist-N-Close - PVC With Pipe & Tee						
	973-6101C01	Brass mechanism & 1-hole faceplate, 1/bag	Chrome	8	8	\$29.40
Waste/Overflow - Tub - Cable Drive - White						
	973-0600C04	Cable drive waste & overflow, 1/box	Chrome	1	3	\$66.24
	973-0600SN/RB04	Cable drive waste & overflow - includes trim with satin nickel and oil-rubbed bronze finishes, 1/box	-	1	3	\$104.97

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Waste/Overflow - Tub - EzyTouch - PVC Half Kit						
	973-5401C04	Cast metal mechanism & 1-hole faceplate, 1/box	Chrome	1	12	\$19.77
Waste/Overflow - Tub - EzyTouch - ABS Half Kit						
	973-7401C04	Cast metal mechanism & 1-hole faceplate, 1/box	Chrome	1	12	\$23.80
Waste/Overflow - Tub - Twist-N-Close - PVC Half Kit						
	973-5201C01	Cast metal mechanism & 1-hole faceplate, 1/bag	Chrome	8	8	\$19.77
	973-5202C04	Cast metal mechanism & 2-hole faceplate, 1/box	Chrome	8	8	\$19.77
Waste/Overflow - Tub - Twist-N-Close - ABS Half Kit						
	973-7201C01	Cast metal mechanism & 1-hole faceplate, 1/bag	Chrome	8	8	\$19.77
Waste/Overflow - Tub - Twist-N-Close - PVC Half Kit With Test						
	973-5104C01	Brass mechanism & 1-hole faceplate, 1/bag	Chrome	1	24	\$23.80
Bath Drain Accessories - Tub Overflow Repair						
	973-9000C01	Trip lever faceplate with screws brass, 1/bag	Chrome	1	25	\$14.91
	974-60100	Trip lever faceplate with screws zinc, 1/bag	Chrome	1	20	\$5.47
	974-60101	Blank tub faceplate with screw, 1-hole, 1/bag	Chrome	1	10	\$6.28
	974-60102	Blank tub faceplate with screws, 2-hole, 1/bag	Chrome	1	12	\$5.65
	974-60105	Faceplate screw, 2" brass	Chrome	6	120	\$2.78
	974-60116	Tub overflow gasket	-	12	120	\$1.35
	973-9015R101	Brass linkage for tripler waste & overflow	-	6	120	\$5.82





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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Bath Drain Accessories - Tub Waste Repair						
	973-9090C04	Bath drain grid strainer with heavy gauge brass strainer body, 1/bag	Chrome	1	1	\$18.34
	973-9099C01	Bath drain grid strainer only with screw, 1/bag	Chrome	1	20	\$2.26
	973-9100C04	Twist-N-Close assembly assembly with heavy gauge brass strainer body & plunger, 1/box	Chrome	1	12	\$15.98
	973-9300C04	EzyTouch assembly with heavy gauge brass strainer body, 1/box	Chrome	1	12	\$15.98
	973-9392C04	EzyTouch replacement mechanism only with rubber washer & cap 1/bag	Chrome	10	200	\$8.57
	973-9601	Bathtub drain shoe gasket, 1/bag	-	1	25	\$1.04
	973-9097C01	Tub shoe brass 1-1/2" with 1-1/2" x 4-5/8" tube less strainer, 1/bag	Rough Brass	1	20	\$31.69
Specialties - Lav/Sink - TrimTite Poly Escutcheons - Shallow CTS						
	920-1W	3/8" CTS (1/2" OD)	White	50	500	\$0.16
	920-1WPK2	3/8" CTS (1/2" OD), 2/bag	White	10	10	\$0.66
	920-2W	1/2" CTS (5/8" OD)	White	25	250	\$0.19
	920-2WPK2	1/2" CTS (5/8" OD), 2/bag	White	10	10	\$0.67
	920-3W	3/4" CTS (7/8" OD)	White	25	250	\$0.21
	920-3WPK2	3/4" CTS (7/8" OD), 2/bag	White	10	10	\$0.92
	920-4W	1" CTS (1-1/8" OD)	White	20	100	\$0.46
	920-4WPK2	1" CTS (1-1/8" OD), 2/bag	White	1	1	\$1.42
Specialties - Lav/Sink - TrimTite Poly Escutcheons - Shallow IPS						
	921-2W	1/2" IPS	White	50	500	\$0.21
	921-2WPK2	1/2" IPS, 2/bag	White	10	10	\$0.92
	921-3W	3/4" IPS	White	50	500	\$0.23
	921-3WPK2	3/4" IPS, 2/bag	White	10	10	\$0.96
	921-4W	1" IPS,	White	20	100	\$0.42
	921-4WPK2	1" IPS, 2/bag	White	10	10	\$1.34
	921-6W	1-1/2" IPS	White	20	100	\$0.40
	921-6WPK2	1-1/2" IPS, 1/bag	White	10	10	\$0.90
	921-7W	2" IPS	White	20	100	\$0.42
921-7WPK2	2" IPS, 1/bag	White	10	10	\$0.92	
Specialties - Lav/Sink - TrimTite Poly Escutcheons - Deep Tubular						
	922-5W	1-1/4" OD tubular	White	25	25	\$0.89
	922-5WPK2	1-1/4" OD tubular	White	10	10	\$1.39
	922-6W	1-1/2" OD tubular	White	25	25	\$0.89
	922-6WPK2	1-1/2" OD tubular	White	10	10	\$1.39
Specialties - Lav/Sink - Metal Escutcheons - Shallow CTS						
	910-2	1/2" CTS (5/8" OD)	Chrome	25	250	\$0.36
	910-2PK2	1/2" CTS (5/8" OD), 2/bag	Chrome	10	10	\$1.22
	910-3	3/4" CTS (7/8" OD)	Chrome	25	2000	\$0.39
	910-3PK2	3/4" CTS (7/8" OD), 2/bag	Chrome	10	10	\$1.28

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Lav/Sink - Metal Escutcheons - Shallow IPS						
	911-1	3/8" IPS	Chrome	25	25	\$0.44
	911-2	1/2" IPS	Chrome	25	250	\$0.45
	911-2PK2	1/2" IPS, 2/bag	Chrome	10	10	\$1.40
	911-3	3/4" IPS	Chrome	25	250	\$0.45
	911-3PK2	3/4" IPS, 2/bag	Chrome	10	10	\$1.40
	911-4	1" IPS	Chrome	25	250	\$0.52
	911-4PK2	1" IPS, 2/bag	Chrome	10	10	\$1.54
	911-6	1-1/2" IPS	Chrome	25	250	\$0.63
	911-6PK2	1-1/2" IPS, 1/bag	Chrome	10	10	\$1.13
	911-6D	1-1/2" IPS Deluxe, 1/bag	Chrome	25	250	\$0.86
	911-7	2" IPS	Chrome	25	250	\$1.03
	911-7PK2	2" IPS, 1/bag	Chrome	10	10	\$1.53
911-701	2" IPS	Chrome	1	100	\$1.03	
Specialties - Lav/Sink - Metal Escutcheons - Shallow Tubular						
	923-1036C00	1-1/2" OD tubular	Chrome	12	120	\$0.54
Specialties - Lav/Sink - Metal Escutcheons - Deep Box IPS						
	923-2326C00	1-1/2" IPS	Chrome	5	100	\$2.02
Specialties - Lav/Sink - Metal Escutcheons - Deep Box Tubular						
	923-2335C00	1-1/4" OD tubular	Chrome	5	100	\$1.84
	923-2336C00	1-1/2" OD tubular	Chrome	5	100	\$1.57
Specialties - Lav/Sink - Metal Escutcheons - Deep Bell IPS						
	923-2321C00	3/8" IPS	Chrome	25	100	\$2.09
	923-2322C00	1/2" IPS	Chrome	25	100	\$2.70

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Lav/Sink - Metal Escutcheons - Deep Bell Tubular						
	923-2435C00	1-1/4" OD tubular x 3" base	Chrome	25	25	\$1.84
	923-2436C00	1-1/2" OD tubular x 3" base	Chrome	25	25	\$2.02
Specialties - Lav/Sink - Metal Escutcheon - Brass Bell IPS						
	923-2521C04	3/8" IPS, cast brass with set screw, 1/bag	Chrome	1	200	\$6.96
	923-2522C04	1/2" IPS, cast brass with set screw, 1/bag	Chrome	1	200	\$7.57
	923-2525C04	1-1/4" IPS, cast brass with set screw, 1/bag	Chrome	1	200	\$10.57
	923-2526C04	1-1/2" IPS, cast brass with set screw, 1/bag	Chrome	1	200	\$11.23
	923-2527C04	2" IPS, cast brass with set screw, 1/bag	Chrome	1	200	\$12.90
Specialties - Lav/Sink - Metal Escutcheon - Brass Bell Tubular						
	923-2536C04	1-1/2" OD tubular, cast brass with set screw, 1/bag	Chrome	1	200	\$11.23
Specialties - Lav/Sink - SnapOne - Poly CTS						
	926-2WPK2	1/2" CTS (5/8" OD), 1/bag	White	12	12	\$1.43
	926-2W	1/2" CTS (5/8" OD)	White	12	120	\$0.79
	926-3W	3/4" CTS (7/8" OD)	White	12	120	\$0.83
	926-4W	1" CTS (1-1/8" OD)	White	12	120	\$0.96
Specialties - Lav/Sink - SnapOne - Poly IPS						
	927-2W	1/2" IPS	White	12	120	\$0.82
	927-3W	3/4" IPS	White	12	120	\$0.83
	927-4W	1" IPS	White	12	120	\$0.95
	927-6W	1-1/2" IPS	White	12	120	\$1.13
	927-7W	2" IPS	White	12	120	\$1.12
	927-8W	3" IPS	White	12	120	\$2.13
Specialties - Lav/Sink - SnapOne - Poly Chrome CTS						
	926-2	1/2" CTS (5/8" OD), 1/bag	Chrome	12	120	\$1.18
	926-3	3/4" CTS (7/8" OD), 1/bag	Chrome	12	120	\$1.21
	926-4PK2	1" CTS (1-1/8" OD), 1/bag	Chrome	12	12	\$1.64
	926-4	1" CTS (1-1/8" OD), 1/bag	Chrome	12	120	\$1.33

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Lav/Sink - SnapOne - Poly Chrome IPS						
	927-2PK2	1/2" IPS, 1/bag	Chrome	12	12	\$1.51
	927-2	1/2" IPS, 1/bag	Chrome	12	120	\$1.18
	927-3	3/4" IPS, 1/bag	Chrome	12	120	\$1.31
	927-3PK2	3/4" IPS, 1/bag	Chrome	12	12	\$1.73
	927-4PK2	1" IPS, 1/bag	Chrome	12	12	\$1.64
	927-4	1" IPS, 1/bag	Chrome	12	120	\$1.41
	927-5PK2	1-1/4" IPS, 1/bag	Chrome	12	12	\$2.37
	927-5	1-1/4" IPS, 1/bag	Chrome	12	120	\$1.90
	927-6PK2	1-1/2" IPS, 1/bag	Chrome	12	12	\$2.47
	927-6	1-1/2" IPS, 1/bag	Chrome	12	120	\$1.97
	927-7PK2	2" IPS, 1/bag	Chrome	12	12	\$2.76
	927-7	2" IPS, 1/bag	Chrome	12	120	\$2.19
Specialties - Floor/Ceiling - Metal Escutcheon - CTS						
	916-2	1/2" CTS (5/8" OD), 1/bag	Chrome	12	120	\$1.24
	923-1612C01	1/2" CTS (5/8" OD), 1/bag	Chrome	12	12	\$1.56
	916-3	3/4" CTS (7/8" OD)	Chrome	12	120	\$1.27
	916-3PK2	3/4" CTS (7/8" OD), 1/bag	Chrome	12	12	\$1.68
	916-4	1" CTS (1-1/8" OD)	Chrome	12	120	\$1.34
	923-1615C01	1-1/4" CTS (1-3/8" OD), 1/bag	Chrome	12	12	\$2.10
	923-1616C01	1-1/2" CTS (1-5/8" OD), 1/bag	Chrome	12	12	\$2.10
Specialties - Floor/Ceiling - Metal Escutcheon - IPS						
	917-2	1/2" IPS	Chrome	12	120	\$1.14
	917-2PK2	1/2" IPS, 1/bag	Chrome	12	12	\$1.33
	923-1622C01	1/2" IPS, 1/bag	Chrome	12	12	\$1.52
	917-3	3/4" IPS	Chrome	12	120	\$1.24
	917-3PK2	3/4" IPS, 1/bag	Chrome	12	12	\$1.52
	923-1623C01	3/4" IPS, 1/bag	Chrome	12	12	\$2.05
	917-4	1" IPS	Chrome	12	120	\$1.36
	917-4PK2	1" IPS, 1/bag	Chrome	12	12	\$1.68
	923-1624C01	1" IPS, 1/bag	Chrome	12	12	\$1.68
	917-5PK2	1-1/4" IPS, 1/bag	Chrome	1	600	\$2.10
	923-1625C01	1-1/4" IPS, 1/bag	Chrome	12	12	\$2.10
		917-6	1-1/2" IPS	Chrome	12	120
	923-1626C01	1-1/2" IPS, 1/bag	Chrome	12	12	\$1.71
Specialties - Stub Out Sleeve Escutcheon						
	923-2432CC00	Deep bell flange for (11/16" OD) stubout sleeve, 1/bg	Chrome	25	25	\$1.39
Specialties - Lavatory Legs						
	974-95650004	Legs for china or iron basin, 2/box	Chrome	1	12	\$43.17
	974-95650304	Legs for china basin only, 2/box	Chrome	1	12	\$40.54

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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - O-rings						
	291-30380	Buna-N o-rings, 150-piece kit	-	1	10	\$31.91
Specialties - Aerators - Faucet						
	290-21100	Dual 15/16"-27 thread male x 55/64"-27 thread female, non-slotted	Chrome	6	48	\$2.97
	290-21104	Small 13/16"-27 thread male, non-slotted	Chrome	6	48	\$3.33
	290-21110	Aerator Adapter - Dual 15/16"-27 thread male x 55/64"-27 thread female x 3/4" MHT	Chrome	5	250	\$5.39
Specialties - Supply Nuts						
	290-202	Faucet riser, PPSU, 1/2" FPT, 3-ear, 100/box	Black	1	1	\$66.61
	290-2021	Toilet riser, polymer, 100/box	Natural	1	1	\$39.44
Specialties - Step Washer						
	290-20480	Deluxe lavatory washer 3/8" tall with brass friction ring	-	50	500	\$0.66
	290-20482	Deluxe closet washer 7/16" tall with brass friction ring	-	50	500	\$0.66
Specialties - No-Putty Gaskets						
	290-20320	For kitchen sink & shower, 4-1/4" OD x 3-3/8" ID	-	100	1000	\$1.13
	290-20320PK2	For kitchen sink & shower, 4-1/4" OD x 3-3/8" ID, 4/bag	-	1	12	\$4.55
	290-20322	For kitchen hose spray, 2" OD x 1-1/2" ID	-	100	1000	\$0.88
	290-20322PK2	For kitchen hose spray, 2" OD x 1-1/2" ID, 4/bag	-	1	12	\$3.81
	290-20324	For bar sink & bathtub, 2-3/4" OD x 2" ID	-	100	1000	\$0.88
	290-20324PK2	For bar sink & bathtub, 2-3/4" OD x 2" ID, 4/bag	-	1	12	\$3.81
Specialties - Kitchen Hose Spray & Accessories						
	242-10	Spray head & hose kit with universal connection, 1/bag	Black	1	10	\$13.08
	242-20102	Spray head & hose kit with universal connection, 1/bag	White	1	10	\$14.53
	242-25	Universal spray head only, 1/bag	Black	1	10	\$6.51
	242-20	Hose guide, plastic with polished stainless steel skirt, 1/bag	Black	1	100	\$2.27
	242-20116	Hose guide, plastic with polished stainless steel skirt, 1/bag	White	1	25	\$2.71

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Faucet Hole Cover						
	961-6	Metal, 1-3/4" with toggle nut	Chrome	25	25	\$1.46
	961-7	Metal, 2" Metal with wing nut	Chrome	25	25	\$1.87
	961-20155	Plastic, 1-3/4" Plastic with O-Ring and wing nut	White	1	25	\$3.30
Specialties - Dishwasher Air Gap						
	249-20135	Economy air gap with poly cap, 1/2" inlet and 3/4" outlet, 1/bag	Chrome	10	10	\$4.86
	249	Heavy-duty air gap with brass cap, 1/2" inlet and 3/4" outlet, 1/bag	Chrome	1	25	\$10.66
Specialties - Anti-siphon Auto Vent						
	239	Trap vent ABS 1-1/2" MPT	-	50	50	\$3.11
	239PK2	Trap vent ABS 1-1/2" MPT, 1/bag	-	10	10	\$6.09
Specialties - Garbage Disposal Replacement Parts						
	290-20185	1-1/2" x 7" disposal waste elbow	-	1	12	\$3.77
	290-20180	Replacement In-Sink-Erator disposal elbow gasket only	-	5	25	\$0.85
Specialties - Dishwasher Drain Connector						
	902	Black elastomer adapter with 2 stainless worm gear clamps, bagged	-	50	50	\$3.40
	90201	Black elastomer adapter with quantity 4 nut & bolt clamps, bagged	-	5	100	\$3.07
Specialties - Hose - Washer Disposal - EPDM						
	905	Dishwasher drain hose 5/8" ID x 50' coil, EZ dispenser box	-	1	1	\$75.84
	905-PK	Dishwasher drain hose 5/8" ID x 50' coil, EZ dispenser box	-	50	50	\$1.62
	906	Dishwasher drain hose 7/8" ID x 50' coil, EZ dispenser box	-	1	1	\$121.14
	906-PK	Dishwasher drain hose 7/8" ID x 50' coil, EZ dispenser box	-	50	50	\$2.50



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	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Hose - Washer Disposal - Vinyl						
	900-04258N00101	Dishwasher drain hose 5/8" x 1" OD (3/16" wall), 10' coil	-	10	10	\$18.67
	900-04258N00505	Dishwasher drain hose 5/8" x 1" OD (3/16" wall), 50' reel	-	1	1	\$77.78
	900-04338N00101	Dishwasher drain hose 7/8" ID x 1-1/4" OD (3/16" wall), x 10' coil	-	5	5	\$24.89
	900-04338N00255	Dishwasher drain hose 7/8" ID x 1-1/4" OD (3/16" wall), x 25' reel	-	1	1	\$57.04
Specialties - Hose Clamps - Easy Clamp						
	906-0402	1/4" OD, 2/bag	-	5	60	\$1.62
	906-0502	5/16" OD, 2/bag	-	5	60	\$4.01
	906-0601	3/8" OD, 100/bag	-	25	25	\$15.82
	906-0602	3/8" OD, 2/bag	-	5	60	\$1.19
	906-0802	1/2" OD, 2/bag	-	5	60	\$1.06
	906-1001	5/8" OD, 100/bag	-	25	25	\$21.76
	906-1002	5/8" OD, 2/bag	-	5	40	\$1.23
	906-1202	3/4" OD, 2/bag	-	10	120	\$2.54
	906-1402	7/8" OD, 2/bag	-	10	120	\$1.75
Specialties - Hose Clamps - Stainless Steel - 5/16" Wide						
	905-050402	1/4" OD to 5/8" OD, 2/bag	-	5	60	\$1.51
	905-050602	5/16" OD to 7/8" OD, 2/bag	-	5	60	\$1.61
	905-050802	7/16" OD to 1" OD, 2/bag	-	25	150	\$2.11
	905-051202	9/16" OD to 1-1/4" OD, 2/bag	-	25	150	\$2.23
	905-052402	1" OD to 2" OD, 2/bag	-	5	60	\$1.99
	905-053602	1-3/4" OD TO 2-3/4" OD, 2/bag	-	5	60	\$1.87
	905-057202	3" OD to 5" OD, 2/bag	-	10	60	\$3.04
	905-058802	4" OD to 6" OD, 2/bag	-	10	60	\$3.25
	905-055602	3" OD to 4" OD, 2/bag	-	2	25	\$1.36
Specialties - Hose Clamps - Stainless Steel - 1/2" Wide						
	905-160601	5/16" OD to 7/8" OD, 1/bag	-	10	120	\$1.44
	905-160602	5/16" OD to 7/8" OD, 2/bag	-	10	120	\$3.04
	905-160802	7/16" OD to 1" OD, 2/bag	-	10	120	\$1.62
	905-161002	1/2" OD to 1-1/16" OD, 2/bag	-	10	120	\$1.52
	901-10	1/2" OD to 1-1/16" OD, 10/bag	-	10	100	\$1.13
	905-161202	9/16" OD to 1-1/4" OD, 2/bag	-	10	120	\$1.25
	901-12	11/16" to 1-1/4", 10/bag	-	10	100	\$1.25
	905-161602	11/16" OD to 1-1/2" OD, 2/bag	-	10	120	\$1.31
	901-16	11/16" OD to 1-1/2" OD, 10/bag	-	10	100	\$1.28
	905-162002	3/4" OD to 1-3/4" OD, 2/bag	-	1	10	\$1.59
	901-20	3/4" OD to 1-3/4" OD, 10/bag	-	10	100	\$1.29
	905-162402	1" OD to 2" OD, 2/bag	-	1	10	\$1.27
	901-24	1" OD to 2" OD, 10/bag	-	10	100	\$1.40
	901-28	1-1/4" OD to 2-1/4" OD, 10/bag	-	10	100	\$1.44
	905-163202	1-1/2" OD to 2-1/2" OD, 2/bag	-	1	10	\$1.14
	901-32	1-1/2" OD to 2-1/2" OD, 10/bag	-	10	100	\$1.48
	905-163602	1-3/4" OD to 2-3/4" OD, 2/bag	-	1	10	\$1.30
	905-164002	2" OD to 3" OD, 2/bag	-	1	10	\$1.30

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Closet - Plumb Perfect Bolts						
	425	2-1/2" bolts with open nut, bulk box	-	100	100	\$0.47
	425-PB	2-1/2" bolts with open nut, 2/bag	-	50	50	\$1.01
	425-PBJ	2-1/2" bolts with open nut, 2/bag, 50 bar-coded bags in a dispenser box	-	1	1	\$52.02
	427	3-1/2" bolts with open nut, bulk	-	100	100	\$0.56
	427-PB	3-1/2" bolts with open nut, 2/bag	-	50	50	\$1.15
	427-PBJ	3-1/2" bolts with open nut, 2/bag, 50 bar-coded bags in a dispenser box	-	1	1	\$63.86
Specialties - Closet - Brass Bolts						
	410-PB	1/4" x 2-1/4" solid brass, 2/bag	-	50	50	\$1.73
	411-PB	1/4" x 3-1/2" solid brass, 2/bag	-	50	50	\$2.30
	415-PB	5/16" x 1-3/4" solid brass, 2/bag	-	50	50	\$2.25
	416-PB	5/16" x 2-1/4" solid brass, 2/bag	-	50	50	\$2.68
	417	1/4" - 20", 7/16" hex nut, nickel-plated steel	-	100	1000	\$0.14
	418	5/16" - 18", 9/16" hex nut, nickel-plated steel	-	100	1000	\$0.24
	419	5/16" washer, nickel-plated steel	-	100	5000	\$0.16
Specialties - Closet - Snap-It Brass Bolts						
	412-PB	1/4" x 2-1/4" solid brass, 2/bag	-	50	50	\$2.08
	414-PB	5/16" x 2-1/4" solid brass, 2/bag	-	50	50	\$2.97
Specialties - Closet - SmartCap Cover						
	442-2W	Cap only, 2/bag	White	1	25	\$2.00
	442-2B	Cap only, 2/bag	Bone	25	25	\$2.30
	440-2W	Cap with 425-PB bolts, 2/bag	White	1	25	\$2.97
Specialties - Closet - Bolt Cover Cap						
	490-11240	Economy cap, 2/bag	White	25	25	\$1.35
Specialties - Closet - Wedgelt Shims						
	460-10	Stiff poly closet wedge, bulk	-	100	1000	\$0.28
	460-11300	Stiff poly closet wedge	-	1	10	\$3.37
	460-10J	Stiff poly closet wedge, 10/bag, 20 bar-coded bags in a dispenser box	-	1	1	\$62.73
	460-20	Soft PVC closet wedge, bulk	-	100	1000	\$0.38
	460-11310	Soft PVC closet wedge, 10/bag	-	1	10	\$4.27
	460-20J	Soft PVC closet wedge, 10/bag, 20 bar-coded bags in a dispenser box	-	1	1	\$80.03

Buying Guide

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Closet - Wax Bowl Gasket						
	402-10	Gasket with poly flange, 1/box	-	24	24	\$2.55
	402-410	Gasket with poly flange, 410-PB 1/4" x 2-1/4" solid brass bolts & 2, 460-20 soft PVC wedges, 1/kit	-	24	24	\$4.40
	402-427	Gasket with poly flange & 427-PB 3-1/2" bolts , 1/kit	-	24	24	\$4.25
	402-440	Gasket with poly flange & 2, SmartCap only, 1/kit	-	24	24	\$6.57
Specialties - Closet - Waxless Bowl Gasket - Ring Type						
	490-10540	5-3/8" OD x 3-3/8" ID x 9/16" high, sponge rubber	-	10	10	\$5.07
	490-10541	5-1/4" OD x 3-7/16" ID x 1/2" high, sponge rubber	-	10	10	\$4.28
	490-10542	5-3/8" OD x 3-1/2" ID x 3/4" high, sponge rubber	-	10	10	\$4.62
	490-10543	5-5/8" OD x 3-1/2" ID x 1" high, sponge rubber	-	10	10	\$5.42
Specialties - Closet - Waxless Bowl Gasket - Wide, Pre-Drilled						
	490-10545	6-3/4" OD x 3-1/2" ID x 3/8" high, sponge rubber	-	10	10	\$4.60
	490-10546	6-3/4" OD x 3-1/2" ID x 9/16" high, sponge rubber	-	10	10	\$5.72
	490-10547	6-3/4" OD x 3-1/2" ID x 3/4" high, sponge rubber	-	10	10	\$6.35
	490-10548	6-3/4" OD x 3-1/2" ID x 1" high, sponge rubber	-	10	10	\$8.52
Specialties - Closet - Tank-To-Bowl - Kit						
	490-10555	Universal kit includes gasket and 2 tank-to-bowl bolts, 1/bag	-	1	25	\$8.38
	490-10560	American Standard kit includes gasket and 2 bolts, 1/bag	-	1	25	\$8.38
	490-10565	Gerber kit includes gasket and 2 bolts, 1/bag	-	1	25	\$8.38
	490-10570	Kohler kit includes gasket and 3 bolts, 1/bag	-	1	25	\$11.09
	490-10572	Kohler kit includes sponge rubber gasket and 3 bolts, 1/bag	-	1	25	\$11.74
	490-10575	Eljer kit includes gasket and 2 bolts, 1/bag	-	1	25	\$8.38
	490-10585	Mansfield kit includes gasket and 3 bolts, 1/bag	-	1	25	\$11.36
Specialties - Closet - Tank-To-Bowl - Gasket Only						
	490-10666	Gerber	-	25	25	\$1.92
	490-10656	Universal	-	25	25	\$1.42
	490-10661	American Standard	-	25	25	\$1.77
	490-10673	Kohler green	-	25	25	\$1.42
	490-10676	Eljer	-	25	25	\$1.89
Specialties - Closet - Tank-To-Bowl - Bolt Set						
	452-PB	23/32" head, 2/bag	-	50	50	\$5.68
	490-10500	Deluxe with 7/8" head, 2/bag	-	1	50	\$8.37






	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Closet & Urinal - Spud Gasket						
	490-11530	1" x 3/4" urinal spud gasket only	-	5	25	\$1.62
	490-11520	1-1/4" urinal spud gasket only	-	5	25	\$1.27
	490-11522	1-1/2" closet spud gasket only	-	5	25	\$1.30
Specialties - Closet & Urinal - Sloan Vacuum Breaker						
	490-10700	Sloan vacuum breaker kit	-	1	12	\$2.64
Specialties - Closet - Fill Valve - Governor						
	490-1080M2KIT	Governor 80M2 adjustable toilet fill valve & flapper kit, 1/clamshell	-	1	5	\$38.59
Specialties - Closet - Fill Valve - Anti-Siphon Ballcock						
	490-10465	8-1/2" Hoov-R-Line replacement	-	1	12	\$15.69
	490-10451	Float ball poly bulk	-	24	24	\$1.69
Specialties - Closet - Plastic Flush Valve						
	490-11150	8" with flapper	-	1	12	\$9.11
	490-11151	10" with flapper	-	1	12	\$9.41
	490-11152	Universal gasket only for flush valve	-	5	25	\$2.24


Buying Guide

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Closet - Flappers & Gaskets						
	490-10302	American Standard flush valve disc, snap-on	-	1	25	\$4.94
	490-10312	American Standard flush valve disc, screw-on	-	1	25	\$4.98
	490-10320	American Standard flush valve seal	-	1	50	\$2.20
	490-10340	Mansfield old style flush valve gasket	-	1	25	\$4.84
	490-10341	Mansfield new style flush valve gasket	-	1	25	\$2.52
	490-10206	Replacement 3" tank ball for Douglas flush valve	-	1	25	\$4.56
	490-10211	Replacement tank ball for Eljer Touch-Flush	-	1	50	\$2.81
	490-10108	Blue vinyl chemical resistant flapper with 9" stainless steel chain and hook	-	1	25	\$4.44
	490-10110	Clear vinyl chemical resistant 3-way flapper with 9" stainless steel chain and hook	-	1	25	\$4.37
	490-10112	Clear vinyl chemical resistant 1.6 GPF flapper with 4 orifices, 9" stainless steel chain and hook	-	1	25	\$7.88
	490-10115	Kohler round replacement flapper with 8" stainless steel chain and hook for 1 PC toilets	-	1	25	\$5.90
	490-10117	Kohler Rialto one-piece replacement flapper	-	1	25	\$5.90
	490-10120	ABS flapper with TPR seal, replaces Kohler, American Standard and Coast.	-	1	25	\$5.86
	490-10121	ABS new style 1.6 GPF flapper with TPR seal, replaces Kohler and Coast.	-	1	25	\$6.78
490-10122	TPR Seal only for 490-10120 flapper, 1/bag	-	1	25	\$1.31	
Specialties - Closet - Eljer Handle Kit						
	490-10325	Eljer Touch Flush tank ball and handle set	-	1	12	\$11.15
Specialties - Closet - Tank Handles						
	490-11100	Universal metal handle with die cast nut & cushion washer, 1/bag	Chrome	1	25	\$4.97
	490-11120	Deluxe metal handle with brass nut & cushion washer, 1/bag	Chrome	1	15	\$9.82
	490-11140	Mansfield ABS, 1/bag	Chrome	1	12	\$7.57
	490-11157	American Standard ABS NEO mount, 1/bag	Chrome	1	12	\$7.19
	490-11159	Eljer side mount with brass arm, 1/bag	Chrome	1	12	\$9.64
Specialties - Tub/Shower - SmartSpout - With Diverter						
	972-36	With shower diverter, 1/box	Chrome	1	18	\$26.36
	972-36SN	With shower diverter, 1/box	Satin Nickel	1	18	\$30.29
	972-36RB	With shower diverter, 1/box	Oil-Rubbed Bronze	1	18	\$30.29
	972-361PK2	With shower diverter & adapter kit, 1/box	Chrome	6	6	\$34.57
	972-362PK2	With shower diverter & adapter kit, 1/box	Satin Nickel	6	6	\$37.80

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Tub/Shower - SmartSpout - Non-Diverter						
	972-32	Non-diverter, 1/box	Chrome	1	18	\$20.16
	972-32SN	Non-diverter, 1/box	Satin Nickel	1	18	\$22.80
	972-32RB	Non-diverter, 1/box	Oil-Rubbed Bronze	1	18	\$22.80
	972-321PK2	Non-diverter & adapter kit, 1/clamshell	Chrome	6	6	\$28.36
	972-322PK2	Non-diverter & adapter kit, 1/clamshell	Satin Nickel	6	6	\$30.91
Specialties - Tub/Shower - SmartSpout - Adapter						
	972-3RAKIT	1/2" CTS extension kit	-	1	10	\$7.47
	972-3RA	1/2" CTS extension only, 5/bag	-	1	10	\$12.17
Specialties - Tub/Shower - Tub Spout - With Front Diverter						
	972-15	1/2" FIP at nose, 1/box	Chrome	1	50	\$17.45
	972-35	5/8" OD slip connect with 1-3/8" adjustment, 1/box	Chrome	1	50	\$22.11
Specialties - Tub/Shower - Tub Spout - Non-Diverter						
	972-10	1/2" FIP at nose chrome, 1/box	Chrome	1	50	\$9.78
	972-20	3/4" FIP connection at nose (with 3/4"x 1/2" bushing), 1/box	Chrome	1	50	\$9.61
	972-30	5/8" OD slip connect with 1-3/8" adjustment, 1/box	Chrome	1	50	\$17.31
Specialties - Tub/Shower - Tub Spout Escutcheon						
	972-100	Brass escutcheon with foam gasket, 1/bag	Chrome	1	12	\$11.32
Specialties - Tub/Shower - DrySeal Pipe Collar						
	928-2	1/2" CTS	-	50	500	\$0.25
	928-2PK2	1/2" CTS, 10/bag	-	25	25	\$3.31
	928-3	3/4" CTS	-	50	500	\$0.25
	928-125	1/2" shower arm	-	50	500	\$0.25
	928-125PK2	1/2" shower arm, 10/bag	-	25	25	\$3.31
	928-12	1/2" IPS	-	50	500	\$0.25
	928-12PK2	1/2" IPS, 10/bag	-	25	25	\$3.31
	928-13	3/4" IPS	-	50	50	\$0.25

Buying Guide

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Tub/Shower - Shower WallNut						
	616-02C	Shower arm adapter, 1/bag	Chrome	25	25	\$6.16
	616-02P	Shower arm adapter, 1/bag	Polished Brass	25	25	\$8.19
	616-02RB	Shower arm adapter, 1/bag	Oil-Rubbed Bronze	1	25	\$20.44
	616-02SN	Shower arm adapter, 1/bag	Satin Nickel	1	25	\$19.02
	616-02W	Shower arm adapter, 1/bag	White	25	25	\$8.19
	307-625	Shower arm installation tool	-	1	6	\$8.99
	307-616	Shower WallNut removal tool	-	1	10	\$19.34
Specialties - Shower - Arm						
	974-60306	6" brass shower arm	Chrome	1	25	\$7.79
	974-60308	8" brass shower arm	Chrome	1	25	\$8.96
Specialties - Shower - 'S' Arm						
	974-60315	10" S-pattern shower arm	Chrome	1	10	\$33.73
Specialties - Shower - Head						
	974-60300	1-3/4" face with adjustable spray, 1/box	Chrome	1	6	\$34.81
Specialties - Shower - Add-A-Shower						
	974-68000304	Spout type , 1/box	Chrome	1	1	\$115.10
	974-68100304	Bath cock type 1/box	Chrome	1	1	\$176.26
	974-68200301	Bath cock type with curtain ring, 1/box	Chrome	1	4	\$241.56
	974-686003C04	Diverter bath cock only, 1/box	Chrome	1	24	\$93.37

	ITEM NO	DESCRIPTION	FINISH	MIN QTY	CASE QTY	LIST PRICE
Specialties - Shower - Add-A-Rod™						
	974-660303L04	5' aluminum shower rod less flanges	Polished Aluminum	50	50	\$6.83
	974-662303L04	6' aluminum shower rod less flanges	Polished Aluminum	50	50	\$9.41
	974-85020300	Shower rod flange with screws, 1" regular 2/bag	Chrome	25	25	\$4.49
	974-85033201	Jiffy adjustable flange for shower rods ABS, 2/bag	Chrome	1	100	\$1.76
	974-6633032H04	Corner aluminum shower rod with support & flanges, 1/box	Polished Aluminum	1	1	\$60.00
	974-668303BH	"D" aluminum shower rod with support, 1/box	Polished Aluminum	1	1	\$70.14
	974-84410301	Shower rod ceiling flange only, chrome, 1/bag	Chrome	1	50	\$10.35
	974-84416350	Shower rod ceiling support 16" complete, 1/bag	Chrome	1	50	\$21.23
	974-84424350	Shower rod ceiling support 24" complete, 1/bag	Chrome	1	50	\$25.12

Strut Clamps

» Copper Tube, Iron Pipe and Cushion Clamps

	ITEM NO.	TUBE/PIPE SIZE	O.D.	GAUGE	DESIGN LOAD	MIN QTY	CASE QTY
CTS STRUT CLAMPS							
	517-C02	½" CTS	0.625	16	400 lbs.	100	100
	517-C03	¾" CTS	0.875	16	400 lbs.	100	100
	517-C04	1" CTS	1.125	14	600 lbs.	100	100
	517-C05	1¼" CTS	1.375	14	600 lbs.	50	50
	517-C06	1½" CTS	1.625	14	600 lbs.	50	50
	517-C07	2" CTS	2.125	12	800 lbs.	50	50
	517-C08	2½" CTS	2.625	12	800 lbs.	50	50
	517-C09	3" CTS	3.125	12	800 lbs.	50	50
	517-C10	4" CTS	4.125	11	1000 lbs.	25	25
	IPS STRUT CLAMPS						
	517-G02	½" IPS	0.840	16	400 lbs.	100	100
	517-G03	¾" IPS	1.050	14	600 lbs.	100	100
	517-G04	1" IPS	1.315	14	600 lbs.	100	100
	517-G05	1¼" IPS	1.660	14	600 lbs.	100	100
	517-G06	1½" IPS	1.900	12	800 lbs.	50	50
	517-G07	2" IPS	2.375	12	800 lbs.	50	50
	517-G08	2½" IPS	2.875	12	800 lbs.	50	50
	517-G09	3" IPS	3.500	12	800 lbs.	25	25
	517-G10	4" IPS	4.500	11	1000 lbs.	25	25
	CUSHION CLAMPS						
 	517-i062PK2	½" CTS or ⅜" IPS	0.625	14	400 lbs.	1	25
	517-i087PK2	¾" CTS or ½" IPS	0.875	14	600 lbs.	1	25
	517-i112PK2	1" CTS or ¾" IPS	1.125	12	600 lbs.	1	20
	517-i137PK2	1¼" CTS or 1" IPS	1.375	12	600 lbs.	1	20
	517-i162PK2	1½" CTS or 1¼" IPS	1.625	11	600 lbs.	1	20
	517-i212PK2	2" CTS or 1½" IPS	2.125	11	800 lbs.	1	10

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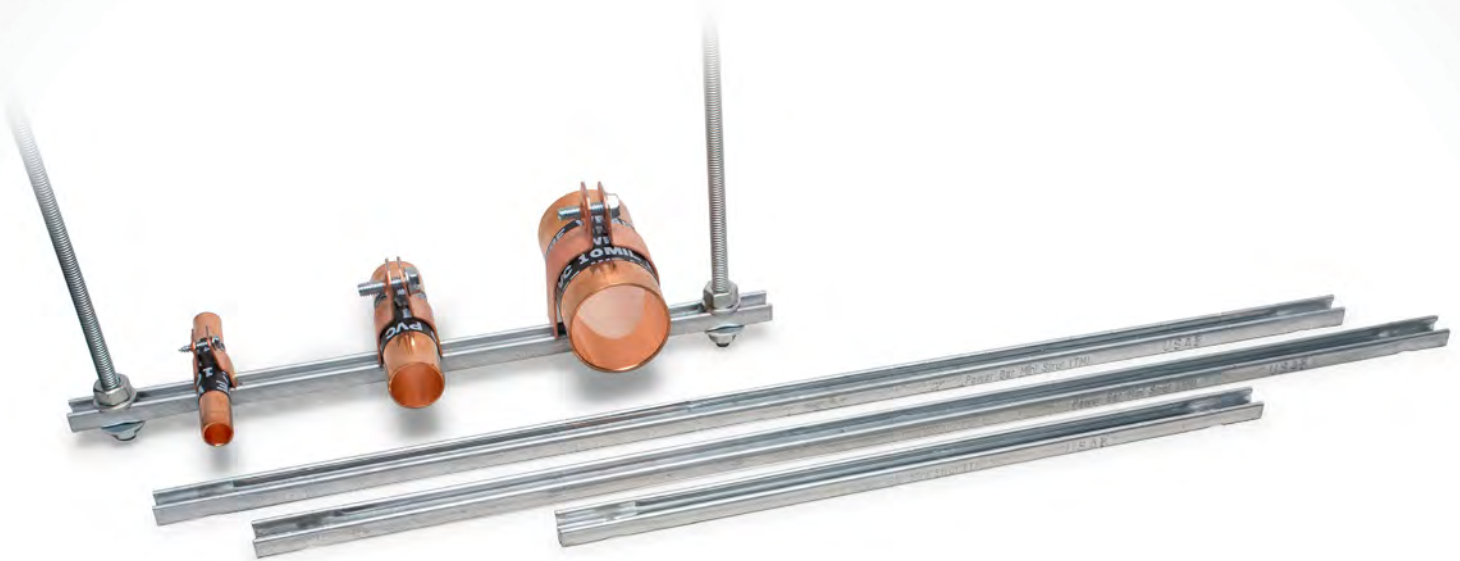
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TAKE THE FIELD.



PowerBar™ Mini Strut

Overhead Bracketing System Buying Information



Versatile

Fixed-length bracket options to accommodate most common multiple pipe overhead applications.

Fast & Strong

Pre-loaded nylon clamps support multiple pipe sizes. All brackets are designed for 3/8" all-thread rod.

Steel mini clamps in 2 finishes with a stamped threaded form eliminating the hex nut.

Light-Duty bracket support up to 70 lbs.

Heavy-Duty bracket supports up to 250 lbs (15") and 100 lbs (26").

Reliable

Our TPE material is certified for compatibility with copper, PEX, and CPVC. All products are backed by our 25-year warranty. All products are cUPC listed and approved for all model codes.



Supply

Drainage

Support







Specialties

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TAKE THE FIELD.



PowerBar™ Mini Strut

	ITEM NO.	DESCRIPTION	U/M	MIN. QTY.	CASE QTY.
PowerBar™ Mini Strut (20-GA.)					
	523-2MS	PowerBar™ Mini Strut bracket only, 13.5"	EA	50	50
	523-2MS2	PowerBar™ Mini Strut with 2 TouchDown™ clamps, 13.5"	EA	50	50
	523-2MS3	PowerBar™ Mini Strut with 3 TouchDown™ clamps, 13.5"	EA	50	50
	523-2MS4	PowerBar™ Mini Strut with 4 TouchDown™ clamps, 13.5"	EA	50	50
PowerBar™ Mini Strut (16-GA.)					
	523-3MSL	Heavy-duty PowerBar™ Mini Strut Bracket Only, 26"	EA	25	25
	523-3MSS	Heavy-duty PowerBar™ Mini Strut Bracket Only, 15"	EA	25	25
	523-3MSS2	Heavy-duty PowerBar™ Mini Strut with 2 TouchDown™ clamps, 15"	EA	25	25
	523-3MSS3	Heavy-duty PowerBar™ Mini Strut with 3 TouchDown™ clamps, 15"	EA	25	25
PowerBar™ Mini Clamps (Copper-Plated)					
	523-3MS2C	½" CTS	EA	25	100
	523-3MS3C	¾" CTS	EA	25	100
	523-3MS4C	1" CTS	EA	10	50
	523-3MS5C	1¼" CTS	EA	10	50
	523-3MS6C	1½" CTS	EA	10	50
	523-3MS7C	2" CTS	EA	10	50
PowerBar™ Mini Clamps (Zinc-Plated)					
	523-3MS2G	½" IPS	EA	25	100
	523-3MS3G	¾" IPS	EA	25	100
	523-3MS4G	1" IPS	EA	10	50
	523-3MS5G	1¼" IPS	EA	10	50
	523-3MS6G	1½" IPS	EA	10	10
	523-3MS7G	2" IPS	EA	10	10
	523-3MS8G	3" IPS	EA	10	10
	523-3MS9G	4" IPS	EA	10	10
TouchDown™ Clamp Options (Bulk)					
	522-5500	100 bases, 100 base inserts, 100 bridges	EA	100	100
	522-5501	1 base, 1 base insert, 1 bridge/bag	EA	100	100
	550-2111	TD+ Universal Pipe Clamp 1/bag	BG	50	50
	550-2111PK3	TD+ Universal Pipe Clamp Contractor Pack (50/box)	BX	1	1
PlenumSafe™ Options (Comply with ASTM-E84)					
	523F5500	E84 PowerBar™ TouchDown™ clamps - Bulk	EA	100	100
	550F20	E84 TouchDown II™ base clamp and bridge 1 set/bag	EA	100	100



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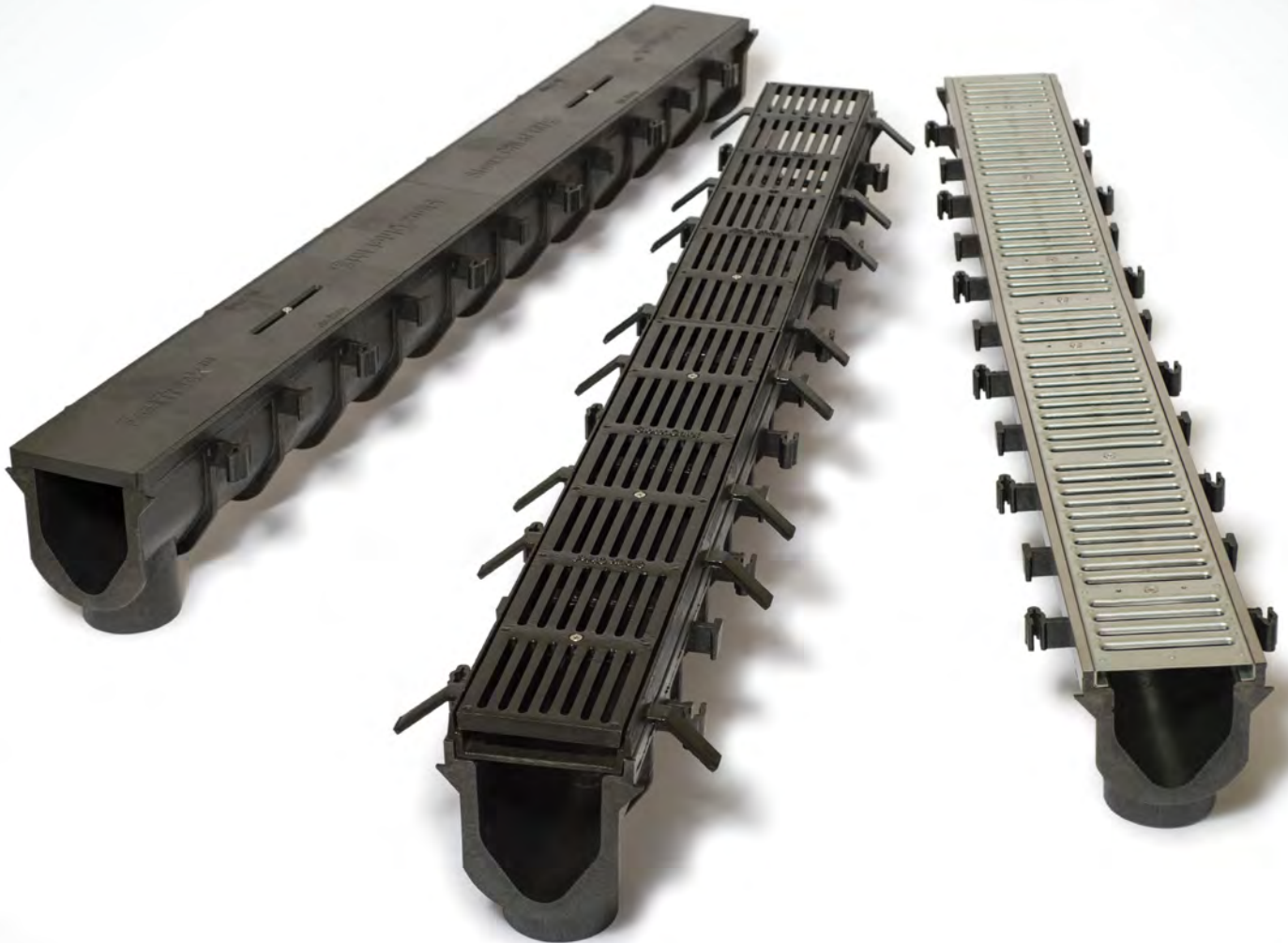
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Specialties

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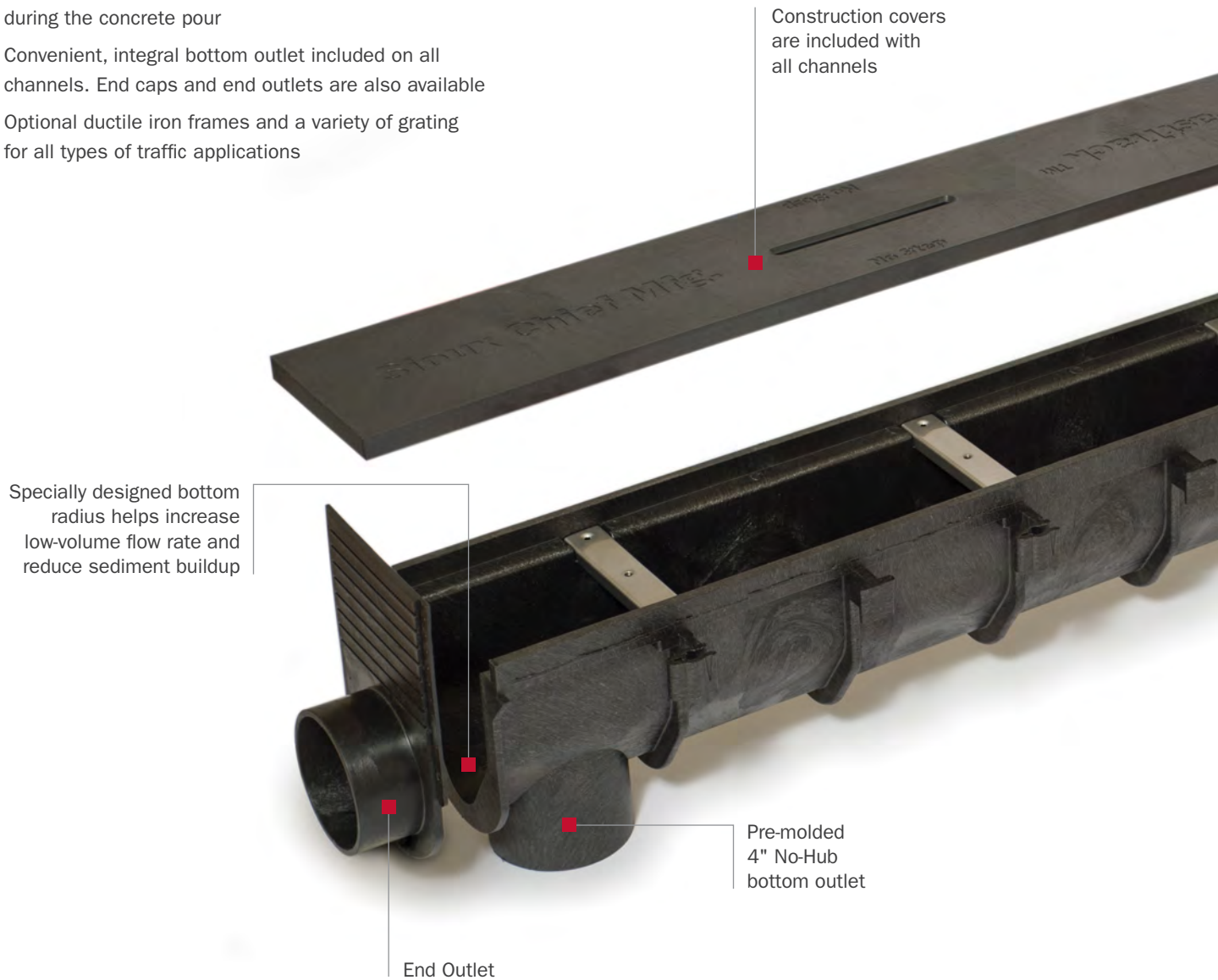
TAKE THE FIELD.

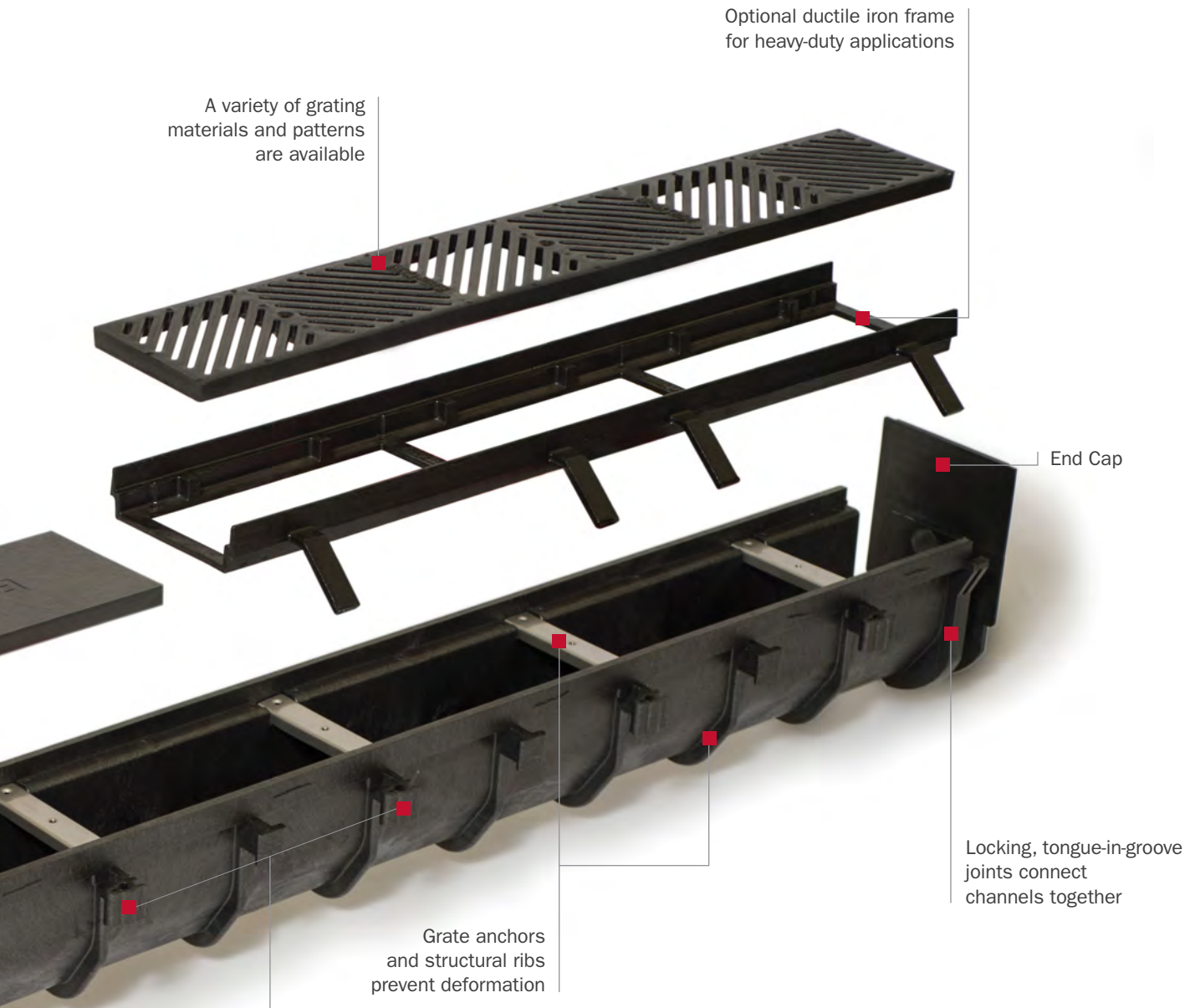


FastTrack™

System Features

- Durable construction covers protect channels during rough-in. Keeps concrete and debris out of the drain line
- Channels molded from tough, lightweight, high-density polyethylene are U.V. and chemical resistant
- Longer (72") channels mean fewer joints are needed for the same run length
- Solid channel joints that don't require fasteners
- Grate anchors and structural ribs prevent deformation during the concrete pour
- Convenient, integral bottom outlet included on all channels. End caps and end outlets are also available
- Optional ductile iron frames and a variety of grating for all types of traffic applications





A variety of grating materials and patterns are available

Optional ductile iron frame for heavy-duty applications

End Cap

Locking, tongue-in-groove joints connect channels together

Grate anchors and structural ribs prevent deformation

Rebar anchors to secure channels during the concrete pour



Construction covers can slide across joints to help keep the run straight

Installation Guide

»» Always wear protective gear and observe safety precautions when installing the FastTrack™ system.

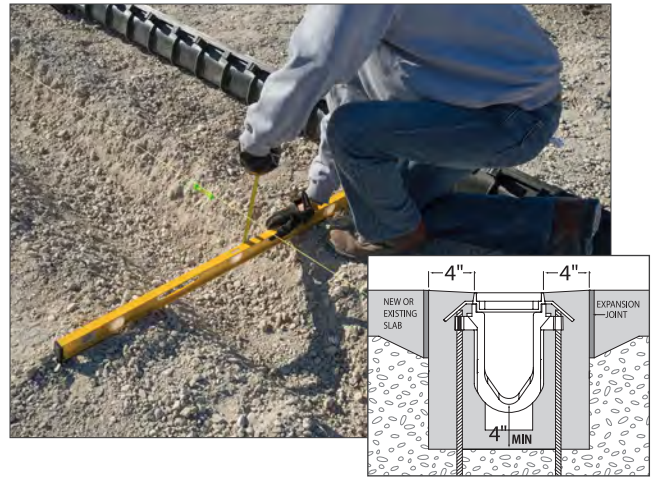
Plan/Excavate

Excavate a trench for the FastTrack™, considering both load class and slab thickness. All channels must be encased on three sides with a minimum of 4" of concrete. For slabs thicker than 4", encasement must be equal to slab thickness. The engineer should determine slab thickness based on application and traffic rating.

Concrete encasement is required regardless of surface type (concrete, asphalt, pavers, etc.).

Expansion joints will be needed on each side of the trench, according to specifications. Do Not use the FastTrack™ as an expansion joint.

Set a string line in the trench at level of final slab elevation to use as a guide.



Layout Channels

Lay out the channels, in order, alongside the excavated trench, starting with the deepest point and working back. Be sure flow arrows point towards the outlet end.

For End Outlet: Open the end outlet fitting using a hole saw. Attach the end outlet with screws to the deep end and the end cap on the shallow end. If using an end outlet, be sure to allow for sufficient slab thickness above the outlet and pipe.

For Bottom Outlet: Using a hole saw, open the bottom outlet in the deep end and install end caps on both the deep and shallow ends.



Assemble Channels

Set channel sections in order into the trench. Beginning at the outlet end, connect the channels together using silicone sealant in the groove if desired.

If Using Iron Grate Frames: Remove the construction covers and install iron grate frames. Reinstall the construction covers in the frames.

Slide the construction covers (downstream) such that they overlap the joint - this will help prevent misalignment at the joints.



Anchor with Rebar

Beginning at the outlet end, install rebar into the anchor clips on either side of the channel and drive rebar into the ground. Adjust channel vertically to the proper elevation, checking for level and alignment using the string line as a guide. The top of the channel should be set $1/16"$ to $1/8"$ below finish slab level.

When the channel is in proper position, secure the rebar into the anchor clips using screws or tie-wire to lock in place.

Continue the installation with upstream sections, setting with rebar, checking for elevation, level, and alignment until all channel sections are set.



Set with Concrete

Confirm all channels are in final position and anchored with rebar and screws (wire) in ALL available anchor clips to keep the run as secure as possible. Be Sure:

- Channels will be encased in 4" of concrete (min.)
- Expansion joints will be installed on each side
- Channel is recessed $1/16"$ to $1/8"$ below the finish slab

Connect drain piping to the channel outlet according to plans using a No-Hub coupling.

Set concrete "pads" around rebar, under and on sides of the channels to prevent movement or misalignment during the final pour.

Pour the concrete slab around the installation and vibrate to eliminate voids in the pour.



Final Inspection

After the concrete takes final set (24 hrs. min), remove the construction covers. Inspect the installation to be sure channels and drain piping are free of debris. Set appropriate grating in place and secure the grates into the grate anchors using screws.



Grate Options

Slotted Ductile Iron Load Class D400* (DIN EN 1433)
 Enamel-coated ductile iron material. Heavy duty applications,
 forklift and commercial vehicle traffic at less than 15 mph.

**Load class D when installed in iron frame only*

Width: 6" **Length:** 36"
Weight: 18.9 lbs. **Open Area:** 86.0 in²
Heel-proof: No **ADA:** No

Cross-Slot Ductile Iron Load Class C250 (DIN EN 1433)
 Enamel-coated ductile iron material. Decorative/ADA pattern.
 Parking areas and truck traffic at less than 15 mph.

Width: 6" **Length:** 36"
Weight: 19.3 lbs. **Open Area:** 64.0 in²
Heel-proof: No **ADA:** Yes

Diagonal-Slot Ductile Iron Load Class C250 (DIN EN 1433)
 Enamel-coated ductile iron material. Decorative/ADA pattern.
 Parking areas and truck traffic at less than 15 mph.

Width: 6" **Length:** 36"
Weight: 19.2 lbs. **Open Area:** 59.0 in²
Heel-proof: Yes ¹ **ADA:** Yes

Slotted HDPE Load Class A15 (DIN EN 1433)
 Corrosion-proof, U.V. protected HDPE material is tough, durable and chemical-
 resistant. For light duty areas, pedestrian traffic, walkways, pool areas, etc.

Width: 6" **Length:** 36"
Weight: 3.6 lbs. **Open Area:** 81.4 in²
Heel-proof: No **ADA:** No

SUBMITTAL FOR
 HDPE SLOTTED GRATE

Slotted Stainless/Galvanized Load Class A15 (DIN EN 1433)
Reinforced Slotted Stainless/Galvanized Load Class C250 (DIN EN 1433)
 Corrosion-resistant, 304 stainless steel or G90 galvanized material. Standard models
 for pedestrian, bicycle, and two-wheeled hand carts. Reinforced models have a
 coated, ductile iron "framework" for heavy-duty loads.

Width: 6" **Length:** 36"
Weight: Galv: 5.5 / SS: 4.3 lbs. **Open Area:** 60.0 in²
Weight (reinforced): Galv: 16.0 / SS: 14.8 lbs.
Heel-proof: No **ADA:** No

SUBMITTAL FOR
 STAINLESS SLOTTED GRATE

SUBMITTAL FOR
 GALVANIZED SLOTTED GRATE

Perforated Stainless/Galvanized Load Class A15 (DIN EN 1433)
 Corrosion-resistant, 304 stainless steel (16 gauge) or G90 galvanized (14 gauge)
 material. For pedestrian and hand-cart traffic, kitchen and food-prep areas.

Width: 6" **Length:** 36"
Weight: Galv: 5.6 / SS: 4.4 lbs. **Open Area:** 34.0 in²
Heel-proof: Yes ¹ **ADA:** Yes

SUBMITTAL FOR
 STAINLESS PERF. GRATE

SUBMITTAL FOR
 GALVANIZED PERF. GRATE

¹ Per ASME A112.6.3 requirements

» Grate Load Classifications

Tested according to
 DIN EN 1433 standard.
 Trench drain grates are
 subjected to test loads,
 which are applied with a
 3" x 10" platen.

Class A
 Loads up to
 3,372 LBS
 Pedestrian traffic,
 Walking areas, bicycles,
 light, two-wheeled
 hand carts

Class B
 Loads up to
 28,101 LBS
 Small/private parking
 areas. Car and light
 vehicle traffic at less
 than 15 mph.

Class C
 Loads up to
 56,202 LBS
 Trucks and commercial
 parking areas. Vehicle
 traffic at less than
 15 mph.

Class D
 Loads up to
 89,924 LBS
 Heavy-duty, forklift and
 commercial vehicle
 traffic at less than 15
 mph.

Accessories



End Cap / End Outlet

HDPE end cap or 4" No-Hub outlet connection (open outlet with hole saw). Installs easily with screws, use sealant if desired. Trim excess off top; flush with construction cover prior to slab pour.

When using end outlet, be sure to allow for sufficient slab thickness above the outlet and pipe.



Decorative Edge Guards

Corrosion-resistant, 304 stainless steel edge guards cover channel edges for a more finished look. Works with all grate styles/materials - does not affect load capacity of grate. Edge guards slide over top edge of the channel. Fasten with screws if desired.*

** Edge guards must be installed before concrete is poured.*



Ductile Iron Frame

Enamel-coated ductile iron material. Prevents wear/impact damage to channel edges. Transfers traffic load into the surrounding concrete. Works with all grate styles/materials. Must be used with iron grates for Class D load requirements. Iron frames attach easily to the channel with screws.*

** Frames must be installed before concrete is poured.*



Grate Anchor

All channels ship with six grate anchors installed as standard.

Stainless steel grate anchor spans the channel. 1/4-20" center tap for grate screws. Tap in place with hammer, fasten with screws if desired.



Construction Cover

All channels ship with two covers installed as standard.

Durable, U.V. protected cover installs in the channel during rough-in and slab pour. Construction cover protects channels from damage and debris. Covers slide to overlap joints and help maintain alignment. Use with or without iron frame. Replace with grate after slab cures.



Dome Bottom Strainer

Stainless steel perforated strainer installs above bottom outlet to prevent trash, leaves, and other debris from entering the drain pipe. Spring-tabs insert into the outlet and hold strainer in place. Removes easily for cleaning.

Typical Configurations

»» Sloping

- FastTrack™ channels are available pre-sloped (0.75%) or neutral. Systems can be designed using all sloped, all neutral, or both types
- Neutral channels can be used where the ground itself slopes or where excavation depth must be minimized

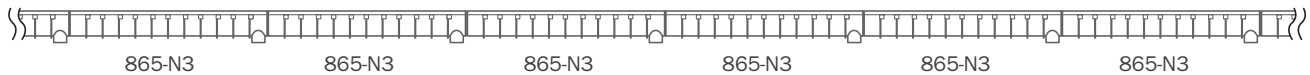
All Sloped - One Direction 54 ft



Sloped & Neutral - One Direction 78 ft

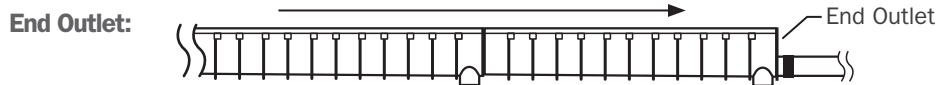


Neutral / No Slope

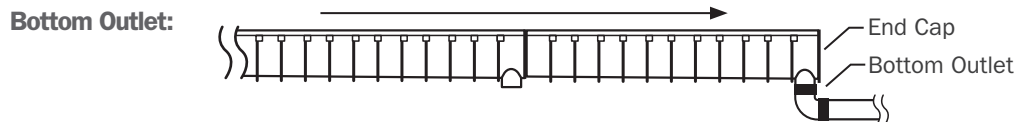


»» Outlet Type

- FastTrack™ channels are designed with an integral bottom outlet or attach an end outlet for pipe connection
- Bottom and end outlet size is 4" no-hub - make connection to the pipe with standard no-hub couplings

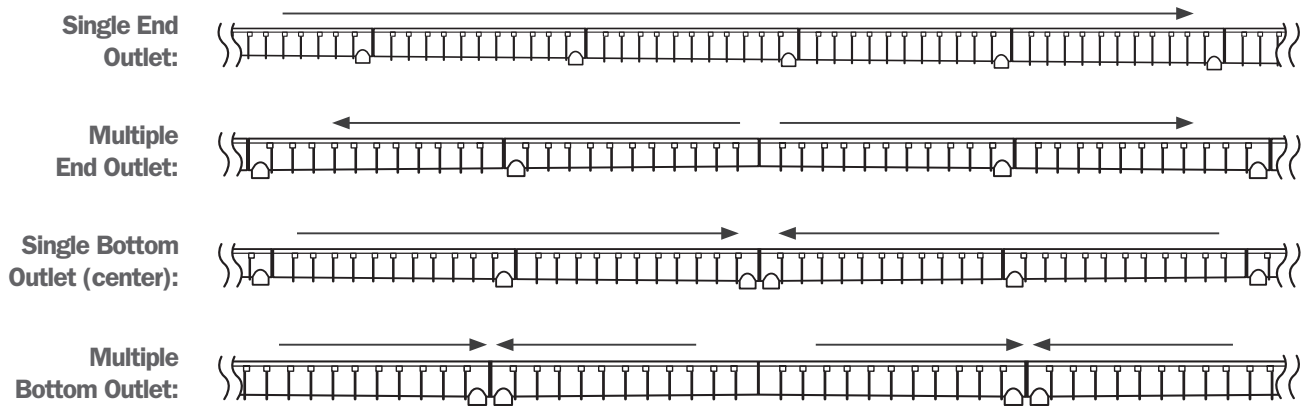


When using end outlets, be sure to allow sufficient slab depth above outlet and drain pipe to prevent cracking.



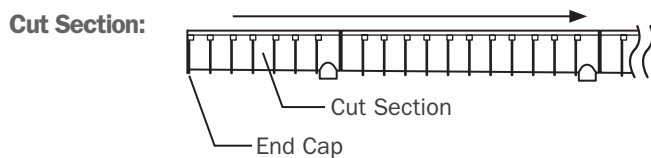
»» Outlet Location

- Connect drain pipe to the FastTrack™ on the bottom of the channel or to the end
- Systems can be designed to slope to one end, to the center, to both ends or to multiple bottom outlets



»» Cutting

- FastTrack™ channels and grates can be cut to length with a handsaw or reciprocating saw
- Ribs on the channels are spaced at 6" intervals for quick measurements and allow for easy attachment of the end cap. Always cut end(s) opposite the outlet



»» System Notes

- The FastTrack™ system is designed for on-grade installations only
- Using neutral channels will affect the overall slope of the system and the estimated flow rate
- Channels must be encased in concrete (three sides) of specified thickness; regardless of surface, material/finish
- Always install expansion joints on both sides of, and parallel to the channel, per specifications
- Finished grate level should be 1/16" — 1/8" below finished slab level and slab should be sloped toward the channel on both sides to promote proper drainage

Chemical Resistance Guide



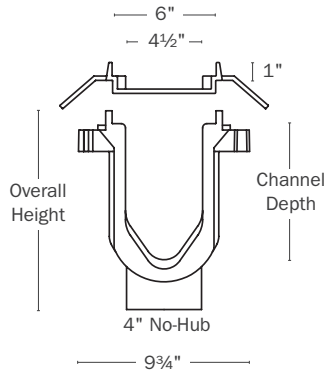
The following should be used for reference only. Many factors affect the chemical resistance of a product. A test under specific conditions should confirm the FastTrack™ is fully compatible with the application before installation.

Letter indicates resistance to given chemical - Number indicates temperature of chemical.

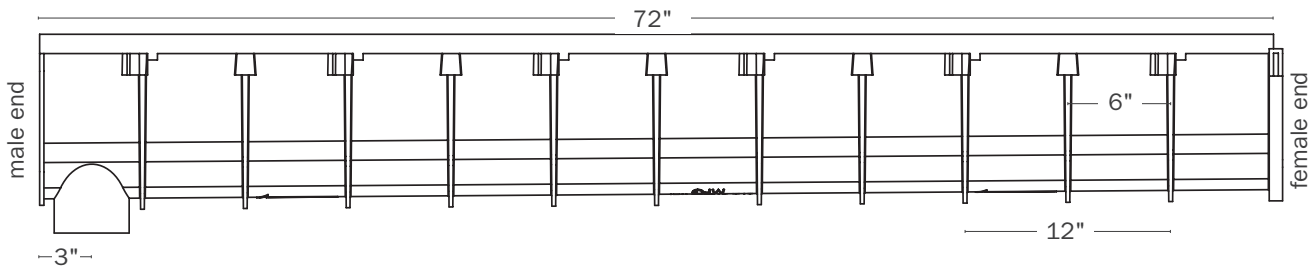
A = Little/No effect after 30 days constant exposure B = Some damage after 7 days constant exposure C = Not Recommended

1,4-dioxane	A	70	Ethyl benzene	C	N/A	n-butyl alcohol	A	120
Acetaldehyde	A	70	Ethyl ether	C	N/A	Nitric acid 20%	A	70
Acetic Acid 5 %	A	120	Ethylene dichloride	C	N/A	Nitromethane	C	N/A
Acetic Acid, glacial 50%	A	70	Ethylene glycol	A	120	n-octane	A	120
Acetone	C	N/A	Ethylene oxide	B	70	Oxalic acid 10%	A	120
Allyl Alcohol	A	120	Fatty Acids	A	120	Perchloric acid	A	70
Aluminum salts	A	120	Ferric chloride	A	120	Perchloric ethylene	C	N/A
Amino acids	A	120	Fluoride	A	120	Phenol	C	N/A
Ammonia	A	120	Fluorine	B	70	Phosphoric acid 10%	A	120
Ammonium carbonate, sat.	A	120	Formaldehyde 10%	A	120	Phosphoric acid 85%	A	70
Ammonium hydroxide 30%	A	120	Formaldehyde 40%	A	120	Phosphorous trichloride	A	70
Ammonium phosphate	A	120	Fructose	A	120	Potassium carbonate	A	120
Ammonium sulfate	A	120	Fuel Oil	A	120	Potassium hydroxide	A	120
Amyl chloride	C	N/A	Gasoline	A	70	Potassium permanganate	A	120
Aniline	A	70	Glycerol	A	120	Propylene glycol	A	120
Battery Acid	A	120	Heptane	C	N/A	Pyridine	C	N/A
Beer	A	120	Hexane	C	N/A	Salicylic acid, sat.	A	120
Benzene	C	N/A	Hydraulic Fluid	A	70	Silver acetate	A	120
Benzyl alcohol	B	70	Hydrochloric acid 5%	A	120	Silver nitrate	A	120
Boric acid	A	120	Hydrochloric acid 35%	A	120	Sodium carbonate	A	120
Brake Fluid	A	120	Hydrocyanic acid	A	120	Sodium chloride, sat.	A	120
Bromine	B	70	Hydrofluoric acid	A	120	Sodium dichromate	A	120
Butyric acid	B	70	Hydrofluoric acid 4%	A	120	Sodium hydroxide 10%	A	120
Calcium chloride	A	120	Hydrofluoric acid 48%	A	120	Sodium hypochlorite 15%	A	70
Calcium hydroxide sat.	A	120	Hydrogen peroxide 3%	A	120	Sodium nitrate	A	120
Carbon tetrachloride	C	N/A	Hydrogen peroxide 30%	A	120	Sodium sulphate	A	120
Chlorine 10% in water	A	100	Isobutyl alcohol	A	120	Sucrose	A	120
Chlorobenzene	C	N/A	Isopropyl acetate	B	70	Sulfur dioxide	C	N/A
Chloroform	B	70	Isopropyl alcohol	A	120	Sulfuric acid 20%	A	120
Chromic acid 10%	A	120	Kerosene	B	70	Sulfuric acid 60%	A	120
Citric acid 10%	A	120	Lactic Acid 90%	A	120	Tannic acid	A	120
Citrus Juice	A	120	Lead acetate	A	120	Toluene	C	N/A
Cresol	C	N/A	Metallic salts, dissolved	A	120	Trichloroacetic acid	C	N/A
Cyclohexane	C	N/A	Methanol	A	120	Trichlorethane	C	N/A
Dibutyl Ether	C	N/A	Methyl ethyl ketone	C	N/A	Trisodium phosphate	A	120
Dichloroethane	C	N/A	Methyl propyl ketone	C	N/A	Turpentine	C	N/A
Diethyl ketone	C	N/A	Methylene chloride	C	N/A	Urea/Urine	A	120
Dimethylsulfoxide	A	120	Milk	A	120	Vinegar	A	120
Ethanol 95%	A	120	Mineral oil	A	70	Water (Distilled/Soft/Hard)	A	140
Ethyl acetate	A	120	Motor/Engine oil	A	70	Xylene	B	70
Ethyl Alcohol 95%	A	120	n-amyl acetate	A	70	Zinc chloride	A	120

Channel Specs



- U.V. protected, black, high-density polyethylene material
- Channels available pre-sloped (0.75%) or neutral
- All channels include pre-installed grate anchors (6) and construction covers (2)



Channel	Channel Depth		Overall Height ¹	Slope Type	Weight ² Lbs.	Est. Flow Rate ³	
	Shallow End	Deep End				GPM	CFS
865-S1	3.62"	4.16"	7.28"	Sloped	15.4	91.23	0.20
865-S2	4.16"	4.70"	7.82"	Sloped	16.4	119.13	0.27
865-N3	4.70"	4.70"	7.82"	Neutral	16.9	—	—
865-S3	4.70"	5.24"	8.35"	Sloped	17.4	147.79	0.33
865-S4	5.24"	5.78"	8.90"	Sloped	18.4	176.97	0.39
865-N5	5.78"	5.78"	8.90"	Neutral	18.9	—	—
865-S5	5.78"	6.32"	9.44"	Sloped	19.4	206.55	0.46
865-S6	6.32"	6.86"	9.98"	Sloped	20.4	236.42	0.53
865-N7	6.86"	6.86"	9.98"	Neutral	20.9	—	—
865-S7	6.86"	7.40"	10.52"	Sloped	21.4	266.52	0.59
865-S8	7.40"	7.94"	11.06"	Sloped	21.4	296.81	0.66
865-N9	7.94"	7.94"	11.06"	Neutral	21.9	—	—
865-S9	7.94"	8.48"	11.60"	Sloped	22.4	327.23	0.73

1 Add 1" to overall height when using iron frame

2 Weight includes grate anchors and construction covers

3 Estimated flow rate is for the single channel only (open ends, no grate), and is based on calculation using Manning's equation



865-S1



865-GIS



865-E0



865-F

» Buying Information

ITEM NO.	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.
CHANNELS				
865-S1	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-S2	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-N3	Neutral Channel Section with Construction Cover - 72" Long	B	1	1
865-S3	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-S4	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-N5	Neutral Channel Section with Construction Cover - 72" Long	B	1	1
865-S5	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-S6	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-N7	Neutral Channel Section with Construction Cover - 72" Long	B	1	1
865-S7	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-S8	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
865-N9	Neutral Channel Section with Construction Cover - 72" Long	B	1	1
865-S9	Sloped Channel Section with Construction Cover - 72" Long	B	1	1
GRATES				
865-GIS	Slotted Ductile Iron Grate with Screws - 36" Long	B	1	1
865-GiC	Cross-Slot Ductile Iron Grate with Screws - 36" Long	B	1	1
865-GiD	Diagonal-Slot Ductile Iron Grate with Screws - 36" Long	B	1	1
865-GHS	Slotted HDPE Grate with Screws - 36" Long	B	1	1
865-GSS	Slotted Stainless Steel Grate with Screws - 36" Long	B	1	1
865-GSSR	Reinforced Slotted Stainless Steel Grate with Screws - 36" Long	B	1	1
865-GSD	Perforated Stainless Steel Grate with Screws - 36" Long	B	1	1
865-GGS	Slotted Galvanized Steel Grate with Screws - 36" Long	B	1	1
865-GGSR	Reinforced Slotted Galvanized Steel Grate with Screws - 36" Long	B	1	1
865-GGD	Perforated Galvanized Steel Grate with Screws - 36" Long	B	1	1
ACCESSORIES				
865-E0	End Outlet - HDPE with 4" No-Hub Connection – to open outlet, use hole saw.*	B	1	1
865-EC	End Cap - HDPE Flat Cap – Fits All Channels	B	1	1
865-EG	SS Edge Guards - 36" Long – Pair with Screws	B	1	1
865-F	Ductile Iron Grate Frame - 36" Long with Screws	B	1	1
865-A	Grate Anchor - Stainless – Fits All Channels	B	1	1
865-C	Construction Cover - HDPE 36" Long – Fits All Channels	B	1	1
865-D	Dome Bottom Strainer - Stainless steel – For Bottom Outlet	B	1	1

* If using end outlet, be sure to allow for sufficient slab thickness above the outlet and pipe.



[CLICK FOR SUBMITTAL](#)

Note: Individual submittal pages for different grate types can be found at www.siouxchief.com

TrapShield™

▶▶ Trap Protection Device



Effective

Protects trap seals in drains from evaporation to prevent odors and sewer gas from entering the building.

Easy Installation

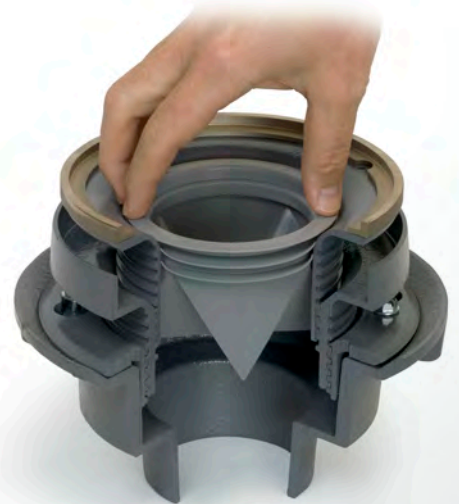
Pushes into new or existing floor and shower drains. Removes easily for drain maintenance.

Full Flow

No obstructions. Opens easily for full water flow, then closes to protect the trap seal.

Approved

Listed with IAPMO.
Certified to the ASSE 1072 Standard.



Features



¹ TrapShield is tested to and complies with the ASSE 1072 Standard: 2" model: 12 gpm, 3" model: 34 gpm, 4" model: 73 gpm

Installation



Installs in pipe or drain outlet ...



... or install into throat of adjustable drain head



835-2

835-3

835-35

835-4

Buying Information

ITEM NO.	DESCRIPTION	PKG	MIN QTY	CASE QTY
Trap Protection Device				
835-2	2" TrapShield™ floor drain trap protection device, individually boxed	BI	1	50
835-3	3" TrapShield™ floor drain trap protection device, individually boxed	BI	1	25
835-35	3½" TrapShield™ floor drain trap protection device, individually boxed	BI	1	25
835-4	4" TrapShield™ floor drain trap protection device, individually boxed	BI	1	20

PACKAGING:

B = Bulk

I = Individually Bar-Coded

[CLICK FOR SUBMITTAL](#)



www.siouxchief.com

7/18 #LT2-TRAPSHIELD

14940 Thunderbird Road
 Kansas City, MO 64147
P 1.800.821.3944
F 1.800.758.5950



DeckAnchor™

Fixture Mounting & Connection Fitting



Solid

Anchors drainage fixtures in place on slab forms during rough-in

Mount the DeckAnchor™ to the form with nails and attach drainage fixture with No-Hub coupling

Rugged, one-piece ductile iron construction

Convenient

Provides easy access to integral connection when wood deck forms are removed

Cut riser to length, or extend with pipe for thicker slabs



Supply

Drainage

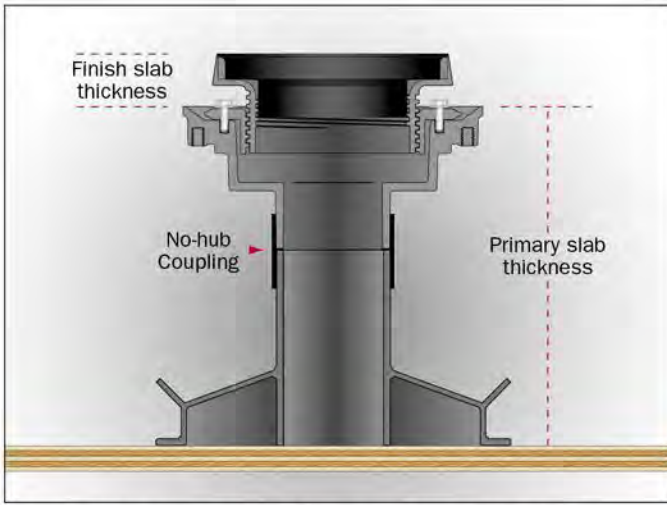
Support

Specialties

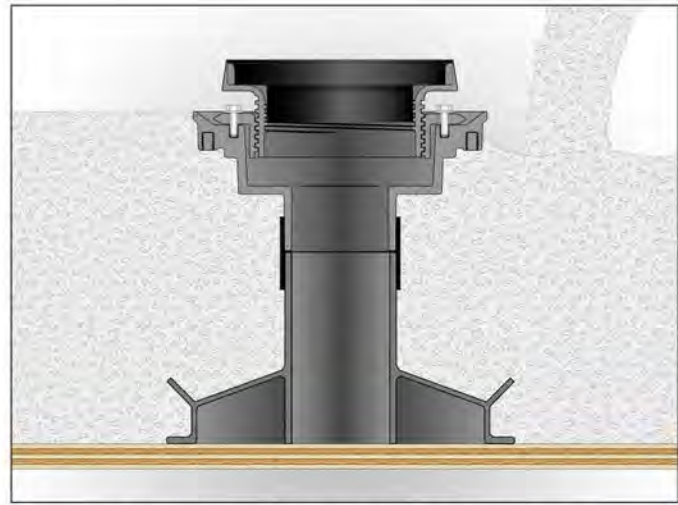
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TAKE THE FIELD.

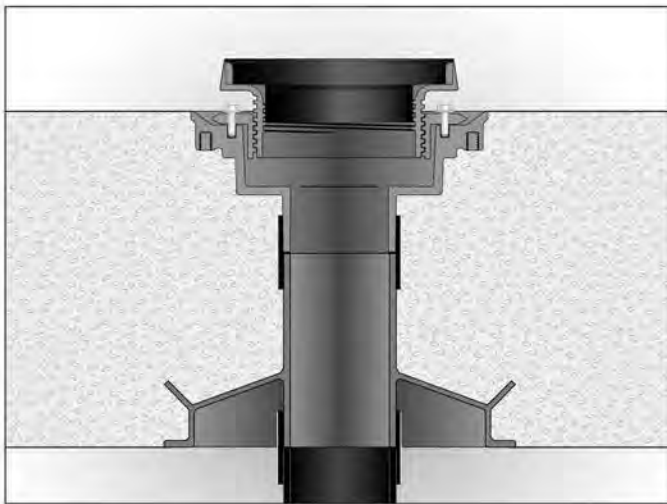




Consider the thickness of the slab pour and cut the extension portion to length. Attach drainage fixture to upper connection with no-hub coupling.

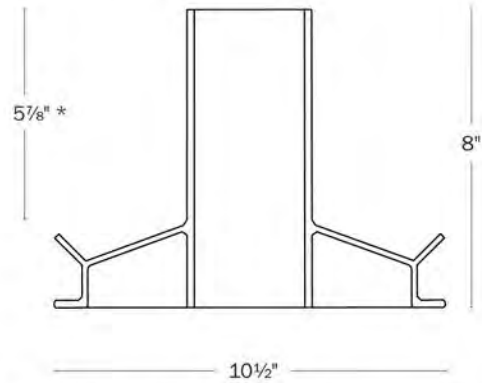


Mount the DeckAnchor™ to the form with nails or screws. Pour and finish slab to desired level.



After slab has cured and the deck form is removed, connect drain pipe to DeckAnchor™ with no-hub coupling.

Dimensions



* Fitting extension can be cut to length per application, or extended using pipe/coupling.



836-2



836-3



836-4

[CLICK FOR SUBMITTAL](#)

» Buying Information

ITEM NO.	DESCRIPTION	MIN. QTY.	CASE QTY.
836-2	2" No-Hub connection ductile iron DeckAnchor™	1	1
836-3	3" No-Hub connection ductile iron DeckAnchor™	1	1
836-4	4" No-Hub connection ductile iron DeckAnchor™	1	1

Cleanout Plugs

» Square Head



Tough

Made from reinforced polypropylene material for durability and chemical resistance.

Easy Installation

Large, raised-square head is easy to grasp and turn. Won't seize-up in PVC or ABS female threads

[CLICK FOR SUBMITTAL](#)



» Buying Information

WHITE PLUG ITEM NO.	BLACK PLUG ITEM NO.	DESCRIPTION	PKG	MIN QTY	CASE QTY
Cleanout Plugs					
878-S15	879-S15	1½" Square-Head Cleanout Plug	B	25	25
878-S20	879-S20	2" Square-Head Cleanout Plug	B	25	25
878-S30	879-S30	3" Square-Head Cleanout Plug	B	25	25
878-S40	879-S40	4" Square-Head Cleanout Plug	B	25	25



14940 Thunderbird Road
 Kansas City, MO 64147
 P 1.800.821.3944
 F 1.800.758.5950

Supply | Drainage | Support | Specialties

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TAKE THE FIELD.



PEX Chair™

▶▶ Slab Organizer



Practical

Tube Management System™ with unique features for organized pipe runs with maximum versatility

Sturdy

Durable ABS material

Reliable

Made in the USA



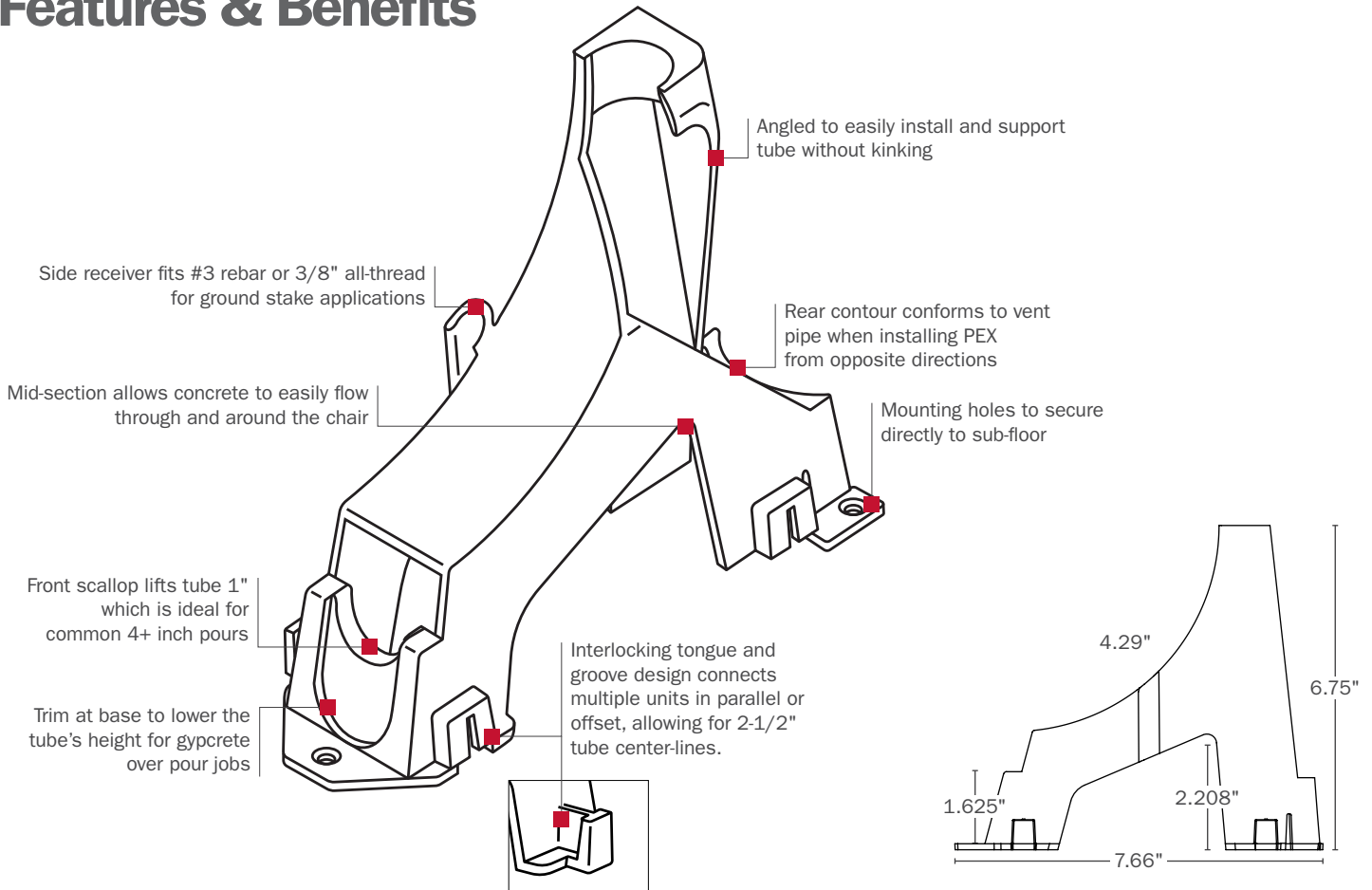
Supply | Drainage | **Support**

www.siouxchief.com

TAKE THE FIELD.



Features & Benefits



Sized to fit utility grade polyethylene corrugated sleeve material or common .4-mil poly sleeve material.



Offset units organize radiant (hydronic) projects.

» Buying Information

ITEM #	DESCRIPTION	PKG	MIN QTY	CASE QTY
550-PC2	1/2" PEX Chair Slab Organizer	B	10	10

PACKAGING:
B = Bulk

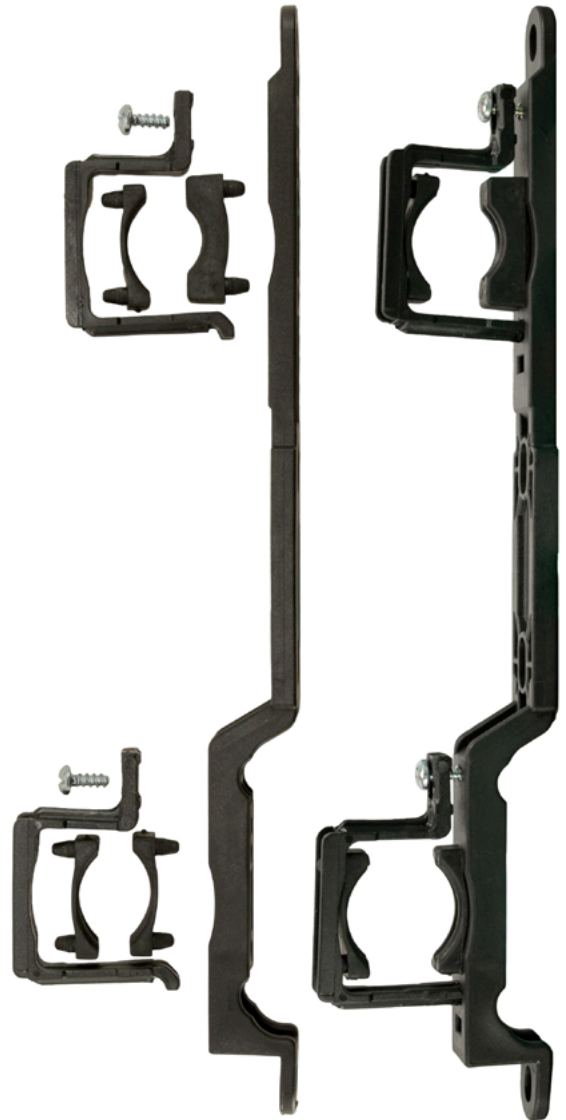


24110 South Peculiar Drive
Peculiar, Missouri 64078
P 1.800.821.3944
F 1.800.758.5950



PEX Manifold Bracket

- Supports a pair of Sioux Chief copper manifolds
- Fits within a 3-1/2" wall or can be fastened outside the wall
- Non-corrosive, sound absorbing and easy to install
- Maximum pipe O.D. is 1-1/2"



» Product Information

ITEM NO.	DESCRIPTION	PKG	MIN QTY	CASE QTY
550-AMB	PEX Manifold Bracket with components, 1 pair/bag	I	10	10

PACKAGING: B = Bulk C = Cut Case I = Individually Bar-Coded

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1-15-1	240-09988R104	28	363 020	290-3650501	47	503 333PB	230-0316101	41
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1-21-1 H	240-9394R104	29	364 700ST	245-13641C04	5	503 6662	230-0406104	41
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1-5-3	240-08947C04	28	393 3666	973-0302C04	22	504 173	240-0463C04	27
1062 333	996-500	46	393 4666	973-0010C04	22	504 173B	240-04631C04	27
1067 003	980-5	52	393 5333	-	22	504 173BG	240-04632C04	27
1067 101	986-5	52	393 5666	973-0102C04	22	504 173D	240-0563C04	27
1067 103	985-5	52	393 566CM	973-0202C01	22	504 201	240-0462R104	27
1067 666	988-5000	46	400 222BA	240-1551C01	25	504 203	240-0462C04	27
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1069 003	980-8	52	402 203	240-1552C04	25	504666PB	230-0105201	41
1069 103	985-8	52	403 203	240-1562C04	25	505 173CN	240-0183C04	26
1071 001	981-6	52	404 173	240-1553C04	25	505 223CN	240-0181C04	26
1071 003	980-6	52	405 173	240-1563C04	25	506333	230-0316204	41
1071 101	986-6	52	405 173B	240-15631C04	25	506333PB	230-0316201	41
1071 103	985-6	52	405 173LI	240-2163C04	25	506666	230-0216204	41
1071 333	988-6100	46	416 222	240-1661C01	25	5066662	230-0406204	41
1071 666	988-6	46	418 202	240-1662C04	25	506662PB	230-0406201	41
1072 333	996-6	46	432 222	240-1861C04	25	506666PB	230-0206201	41
1073 333	996-8	46	433	973-7401C04	23	508 173	240-1153C04	29
1074 103	986-700	52	433 BA	-	23	508 173BD	240-12531C04	29
1145 003	923-2335C	51	434	973-5401C04	23	508 173X	240-13531C04	29
1147 003	923-2336C	51	434 TBA	973-5304C01	23	508 203	240-1152C04	29
1148 003	923-2337C	51	435CP	973-7201C01	23	508 223	240-1151C04	29
1150 003	923-2326C	51	436 CMTBA	973-5104C01	23	508 666PB	230-1005104	41
121SS12	634-4F3F12	19	436CP	973-5201C01	23	509 173	240-1453C04	30
121SS15	634-4F3F15	19	43CP	973-6301C04	22	512 173	240-1163C04	29
121SS18	634-4F3F18	19	44PVD	973-1010PB04	22	512 173BD	240-12631C04	29
121SS24	634-4F3F24	19	45CP	973-6101C01	23	512 173X	240-13631C04	29
1549 66TW	230-230616104	41	493 3333	973-8401C01	22	512 203	240-1162C04	29
1549 6TW2	230-250616101	41	4CP	973-0010C01	22	512 223	240-1161C04	29
1568 666	230-61060925	43	4PVD	973-1010PB04	22	512333	230-1116104	41
1571 666	230-61061225	43	5-5-3H	290-20553C04	50	512 666	230-1006101	41
1572 333	230-61161525	43	501 173	240-0153C04	26	513 173	240-1463C04	30
1572 666	230-61061525	43	501 1735	240-015312C04	26	515 403	240-19825C04	30
16 0BA	923-1621C01	52	501 1735D	240-025315C04	26	515 471	240-19875R104	30
16 10BA	923-1615C01	52	501 173D	240-0253C04	26	515 473	240-19875C04	30
16 11BA	923-1616C01	52	501 173X	240-0353C04	26	515 603	240-20825C04	30
16 1BA	923-1622C01	52	501 203	240-0152C04	26	515 673	240-20835C04	30
16 2BA	923-1623C01	52	501 2035	240-015212C04	26	516 203	240-1052C04	27
16 4BA	923-1625C01	52	501 203BA	-	26	517 203	240-1062C04	27
16 5BA	923-1626C01	52	501 203D	240-0252C04	26	518 173	240-0454C04	27
16 7BA	923-1612C01	52	501 223	240-0151C04	26	518 173BD	240-05541C04	27
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1902	270-6	40	501 666PB	230-0105104	41	519 173	240-0464C04	27
1903	272-6	40	502 173	240-0453C04	27	519 173BD	-	27
1905	272-5625	40	502 173B	240-04531C04	27	519 173BN	240-0467C04	27
1FFSS12	634-4F4F12	19	502 173BD	240-05531C04	27	519 173D	240-0564C04	27
1FFSS15	634-4F4F15	19	502 173D	240-0553C04	27	519 173R	240-0487C04	27
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1FFSS24	634-4F4F24	19	503 171	240-0163R104	26	521 222	240-2255C04	28
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201 222BA	240-175107C01	24	503 173X	240-0363C04	26	549 172	240-276316C04	30
201 223	240-175107C24	24	503 201	240-0162R104	26	549 201B	240-2762161R104	30
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549 666	230-270616104	42	603 66DKT	230-320616101	42	706 221	240-406106R150	35
549 666AP	230-260616104	42	624 063	240-825106C01	34	706 222BA	240-406106C01	35
549 66TW	230-200616101	41	625 083	240-825108C01	34	706 223	240-406106C50	35
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550 222	240-276121C04	30	627 223	240-826112C01	34	707 173	240-406308C25	35
550 666	230-270621104	42	628 203WC	290-20515C04	36	707 203	240-406208C25	35
551 666	230-270625104	42	629 203C	290-20514C04	36	707 221	240-406108R125	35
559 172B	240-3063161C04	31	630 203	290-20630C04	34	707 223	240-406108C25	35
559 202	240-306216C04	31	630 223	290-630223C04	34	707 223BA	240-406108C01	35
559 202B	240-3062161C04	31	632 223	290-206322C04	34	707 333	230-40160825	43
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567 221	240-606106R124	32	638 666	230-9006125	42	710 303	240-455206C32	37
569 171B	240-6063181R124	33	640 031	245-56400C01	8	710 322BA	240-455106C01	37
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569 221	240-606118R124	32	644 003ST	245-16441C04	4	710 373	240-455306C32	37
570 333	230-60160725	43	645 663	245-16450C04	4	710 666	230-47050650	44
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571 171B	240-6063112R124	33	645 STBN	245-16453C04	4	711 223	240-475108C25	37
571 172B	240-6063111C24	33	646 443	245-16460C04	4	711 303	240-455208C16	37
571 201B	240-6062111R124	32	646 443CA	245-16462C04	4	711 323	240-455108C16	37
571 202	240-606211C24	32	647 003	245-16470C04	5	711 323BA	-	37
571 221	240-606111R124	32	647 003ST	245-16471C04	5	711 373	240-455308C16	37
571 223	240-606111C24	32	649 002	245-96520C01	9	711 666	230-47050825	44
571 333	230-601611125	43	649 008	245-96540C01	9	711 FCBBA	231-4505101	47
571 666	230-600611125	43	649 013	245-99649C04	9	713 223	240-475112C25	37
572 222	240-606115C24	32	649 033BA	245-96401C01	9	713 303	240-455212C16	37
572 333	230-601615125	43	650 003	974-95650304	48	713 321	240-455112R116	37
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582 222	240-616115C24	33	680 003	974-68000304	50	715 303	240-456208C16	37
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584 171	240-606324R124	33	682 003	974-68200301	50	715 3332	230-451608116	44
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590 666	230-280616104	42	705 222BA	240-406104C01	35	717 322BA	240-456112C01	37
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595 222	240-316116C04	32	705 333	230-40160450	43	717 3332	230-451612116	44
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717 6662	230-450612116	44	783 003	911-3	50	934273RT	973-2319C04	21
717 FCBBA	231-4506101	47	784 003	911-6	50	93427R14	973-2320C04	21
718 171	240-406318R125	35	784 103	923-1036C00	50	93427R18	-	21
718 221	240-406118R125	35	784 CB	923-2526C01	51	936 003	-	24
719 203	240-705206C50	38	785 003	911-701	50	936 003AS	-	24
719 203BA	240-705206C01	38	785 CB	923-2527C01	51	937 003	973-9300C04	24
719 221	240-406124R125	35	786 003	923-2421C	51	937 003MO	973-9392C04	24
720 203	240-705208C25	38	786 CB	923-2535C01	51	938 003	973-9100C04	24
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722 173	240-705312C25	38	787 CB	923-2536C01	51	94CP	973-3015C04	20
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722 203BA	240-705212C01	38	790 103	240-8451C25	39	95CP	973-3102C04	21
724 203	240-706206C06	38	791 103	240-8461C25	39	98CP	973-3016C04	20
724 203BA	-	38	792 103	240-8251C25	40	A-101C	907-021025	18
725 203	240-706208C25	38	793 103	240-8261C25	40	CT892CP	923-9012C	51
725 666	230-460516125	44	793 333	230-8216125	46	FFSS12	634-3F3F12	19
727 171	240-706312R125	38	793 666	230-8206125	46	FFSS15	634-3F3F15	19
727 173	240-706312C25	38	801 001	240-8561R112	40	FFSS18	634-3F3F18	19
727 201	240-706212R125	38	801 002	240-8564C01	40	FFSS24	634-343424	19
727 203	240-706212C25	38	802 002	240-8664C12	40	Gov80M2-ADJ	490-1080M2	19
728 171	240-706318R125	38	802 333	230-861625	46	Gov80M2R	490-1080M2KIT	19
728 201	240-706218R125	38	806 002	240-8764C06	40	HCW1	634-3W	19
729 201	240-706224R125	38	806 3332	230-8516125	46	HCW2	634-4W	19
735 203	240-703212C25	38	806 6662	230-8506125	46	LF3890001	134-G2F1C1CR104	15
737 223	240-486124C04	39	807 002	240-8864C12	40	LF3890003	134-G2F1C1C04	15
738 333	230-461616125	44	820 003	961-6820	52	LF3892001	134-G2S1C1CR104	15
738 666	230-460616125	44	844 103	974-84410301	49	LF3894001	134-G2C1C1CR104	15
740 666	230-48061625	44	844 163	974-84416350	49	LF3894003	134-G2C1C1C04	15
745 201	240-996208R116	39	844 203	-	49	LF889003	134-G1F1C04	10
748 203	240-98720625	39	844 243	974-84424350	49	LF889003LK	134-G1C1CLK04	16
751 203	240-718108C25	38	850 203	974-85020300	49	LF889013	133-G1F1C04	11
754 202	240-416216C25	35	850 333	974-85033201	49	LF890003	134-G2F1C04	10
754 222	240-416116C25	35	875003	283-S04116C00	17	LF890003LK	134-G2F1CLK04	16
754 333	230-41161625	43	875555	285-S0411500	18	LF890013	133-G2F1C04	11
754 666	230-41061625	43	876001	283-S04112R100	17	LF890203	134-G2F2C04	10
756 003	240-8051C25	39	876003	283-S04112C00	17	LF890203LK	134-G2F2CLK04	16
757 003	240-8061C25	39	876555	285-S0411200	18	LF890303	134-G2F2M04	10
757 666	230-8006125	45	877001	283-S04120R100	17	LF891203	134-G2X1C04	10
757 FCBBA	231-4606101	47	877003	283-S04120C00	17	LF891213	133-G2X1C04	11
759 253	240-465115C16	37	877555	285-S0412000	18	LF892001	134-G2S1CR104	10
759 503	240-466116C16	37	878001	283-S04130R150	17	LF892003	134-G2S1C04	10
760 002	210-066	36	878003	283-S04130C50	17	LF892003LK	134-G2S1CLK04	16
760 152	207-06325	36	878555	285-S0413000	18	LF892011	133-G2S1CR104	11
761 002	210-086	36	879001	283-S04136R100	17	LF892013	133-G2S1C04	11
761 002AP	210-28625	36	879003	283-S04136C50	17	LF892151	134-G2SOCR104	10
761 002S	216-086	36	879555	285-S04130C00	18	LF892401	134-G2V1CR104	10
761 102	210-38625	36	880003	283-T25112C00	17	LF892403	134-G2V1C04	10
761 152	207-08325	36	880003R	283-T24112C00	17	LF892411	133-G2V1CR104	11
761 3333	230-55160825	45	880555	285-T2411201	18	LF892413	133-G2V1C04	11
761 334	230-51160825	45	881003	283-T25120C00	17	LF892503	134-G2S1CE504	10
761 335	230-52160825	45	881003R	283-T24120C00	17	LF892503LK	134-G2S1CE5LK04	16
761 664	230-51060825	45	881555	285-T2412001	18	LF892513	133-G2S1CE504	11
761 665	230-52060825	45	882003	283-T25116C00	17	LF894001	134-G2C1CR104	10
761 665AP	230-50060825	45	882555	-	18	LF894003	134-G2C1C04	10
761 6662	230-56060825	45	893101	283-S05112R150	18	LF894003LK	134-G2C1CLK04	16
761 6663	230-55060825	45	893251	283-S06112R150	18	LF894011	133-G2C1CR104	11
763 001	210-12225	36	893253	283-S06112C50	18	LF894013	133-G2C1C04	11
763 151	207-12225	36	893351	283-S06120R150	18	LF894151	134-G2COCR104	10
763 171B	207-12425	36	893353	283-S06120C50	18	LF894153	134-G2COC04	10
763 251	200-12225	36	931 003	973-9000C01	24	LF894203	134-G2C2C04	10
765 666	249-20135	45	931 013	974-60102	24	LF894303	134-G2C2M04	10
780 003	911-101	50	931 2033	-	20	LF895011SD	133-GZ2S2SR104	11
780 203	910-2	50	931 8173	-	20	LF896011SD	133-GZ2M2FR104	11
780 CB	923-2521C01	51	932 003	973-90097R101	24	LF889012C	134-G1F1CT509	16
781 003	911-2	50	932 273	973-2015C04	20	LF8892012C	134-G2S1CT509	16
781203	923-2432CC00	51	933 273B	973-2302C04	21	LF8894012C	134-G2C1CT509	16
781 CB	923-2522C01	51	933 443	973-3302C04	21	LF89389003	132-G2F1C1C04	13

WATTS MODEL NO.	TOMAHAWK ITEM NO.	PAGE NO.
LFBV389403	132-G2C1C1C04	13
LFBV889003	132-G1F1C04	13
LFBV889013	131-G1F1C04	12
LFBV890003	132-G2F1C04	13
LFBV890013	131-G2F1C04	12
LFBV890203	132-G2F2C04	13
LFBV891203	132-G2X1C04	13
LFBV891213	131-G2X1C04	12
LFBV891313	131-G2X2X04	12
LFBV892003	132-G2S1C04	13
LFBV892013	131-G2S1C04	12
LFBV892403	132-G2V1C04	13
LFBV892413	131-G2V1C04	12
LFBV892503	132-G2S1CE504	13
LFBV892513	131-G2S1CE504	12
LFBV894003	132-G2C1C04	13
LFBV894013	131-G2C1C04	12
LFBV8940LK	132-G2C1CLH04	16
LFBV8940LN	132-G2C1CN104	13
LFBV894153	132-G2C0C04	13
LFBV894203	132-G2C2C04	13
LFDV389400	134-G2C1C1CDHR104	14
LFDV389403	134-G2C1C1CDH04	14
LFDV389411	133-G2C1C1CDHR104	14
LFDV389431	134-G2C1C0CDHR104	14
LFPBQTR-615	131-GRETR001	12
LFQC889A	132-G1Q1C04	9
LFQC889S	131-G1Q1C04	9
LFQC894A	132-G2Q1C04	9
LFQC894S	131-G2Q1C04	9
LFWAV 664	909-99100201	15
LFWAV 666	909-991001	15
PB60-PT	907-020225	18
T892512C	134-2S1CE5T809	17
T892612C	133-2S1CE5T809	17
T894012C	134-2C1CE5T809	17

TECHNICAL BULLETIN

»» PLASTIC HANGERS, CLAMPS, & PIPE SUPPORTS

SUBJECT: CPVC Compatibility

DATE: October 2019

PAGE: 1 of 1

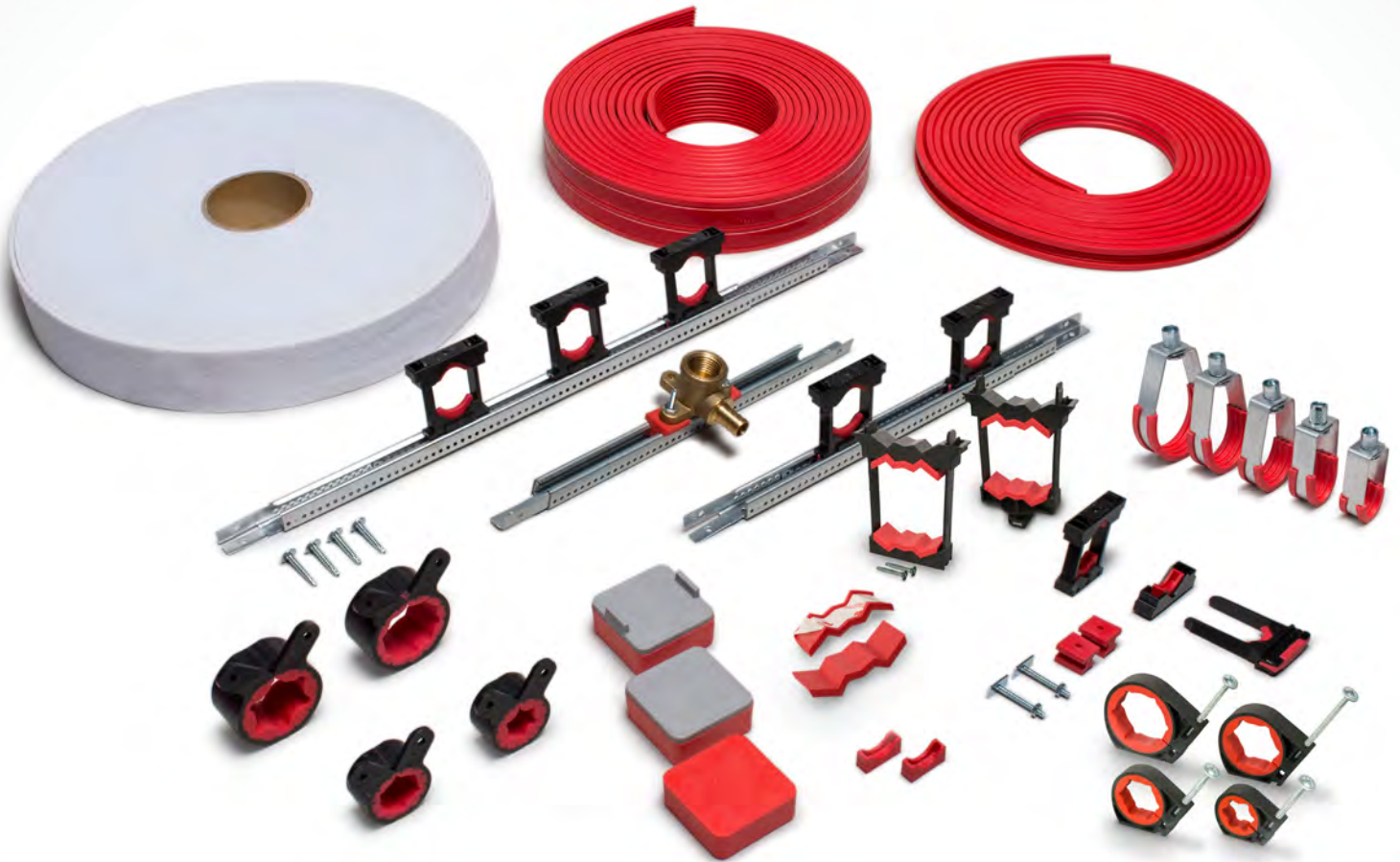
Sioux Chief Manufacturing's line of hangers, fasteners, and pipe supports for CTS water supply lines are produced using a variety of plastic resins. During the early stages of developing any new product, precautions are made to ensure our materials are fully compatible with CPVC tube, regardless of the tube's color or brand. Products that are not CPVC compatible are clearly denoted in our catalog and website. The table below lists the Sioux Chief trade names of hanger products that are CPVC compatible. If the product you may be concerned with is not listed below, please contact us.

ApeTape™	BiFolator™
EdgeClamp™	EZGlide™ Suspension Clamp
EZGlide™ Tube Clamp	EZGlide™ Tube Insulator
GridIron™	HangsTuff Jr.™
LockBlock™	MainBlock™
PadLock™	PickUp Talon™
PipeDown™ Acoustical Products	
PipeEye™ Insulators	PipeTitan™
PlenumSafe™ Products	PowerBar™
SimpleStrap™	Single Hole Tube Strap
SiouxStrap™	Suspensulator™
TD+™ Universal Pipe Clamps	TD+™ Universal Strut Clamps
Totem™ Offset Hangers	TouchDown™
TouchDown™ II	TouchDown™ Beam Clamps
TouchDown™ Clamps	TouchDown™ II Strut Clamps
TubeTalons™	TwinTalons™
ZipStick™	

The information contained herein is believed to be reliable, but is subject to change without notice. The above may be referenced for installations or situations that are outside of standard practice or NOT covered by Sioux Chief's warranty. Before use or installation, the user shall determine the suitability of the information for the intended purpose, and shall assume all risk and liability in connection therewith. With the exception of the information given above, use of any/all Sioux Chief product shall be in accordance with local plumbing codes, common practices, published installation instructions and legal requirements.

PipeDown™

»» Acoustical Pipe Support System



Quiet

When acoustical job specifications appear on the plans, know that Sioux Chief has the most versatile products for reducing plumbing noise associated with potable water supply lines.


Complete

The most complete variety of clamps, brackets, cushions and liners that totally isolate the tube or pipe from direct contact with the building structure.

Reliable

Our TPE material has been tested and is compatible with copper, PEX and CPVC. All products are backed by our 25-year warranty.



CATEGORY	ITEM NO.	DESCRIPTION	U/M	MIN. QTY.	CASE QTY.
ACOUSTICAL PadLock™					
	551-P2Q	1/2" CTS PadLock™ with drill-tip screw	EA	25	25
	551-P3Q	3/4" CTS PadLock™ with drill-tip screw	EA	25	25
	551-P4Q	1" CTS PadLock™ with drill-tip screw	EA	25	25
	551-P5Q	1-1/4" CTS PadLock™ with drill-tip screw	EA	25	25
THRU-STUD SUSPENSION INSULATOR					
	557-2Q	1/2" CTS Thru-Stud Suspension Insulator	EA	50	50
	557-3Q	3/4" CTS Thru-Stud Suspension Insulator	EA	50	50
	557-4Q	1" CTS Thru-Stud Suspension Insulator	EA	25	25
	557-5Q	1-1/4" CTS Thru-Stud Suspension Insulator	EA	25	25
PowerBar™ BRACKET WITH PRE-LOADED TouchDown™ CLAMPS					
	523-1624Q	Bracket for 16" Studs W/ 2 TouchDown™ Clamps and Noise Blocks	EA	25	25
	523-1634Q	Bracket for 16" Studs W/ 3 TouchDown™ Clamps and Noise Blocks	EA	25	25
	523-2424Q	Bracket for 24" Studs W/ 2 TouchDown™ Clamps and Noise Blocks	EA	25	25
	523-2434Q	Bracket for 24" Studs W/ 3 TouchDown™ Clamps and Noise Blocks	EA	25	25
PowerBar™ – BRACKET ONLY CLICK FOR SUBMITTAL					
	523-16	Bracket for 16" Studs	EA	50	50
	523-1604	Bracket for 16" Studs W/ Screws	EA	50	50
	523-24	Bracket for 24" Studs	EA	50	50
	523-2404	Bracket for 24" Studs W/ Screws	EA	50	50
PowerBar™ TouchDown™ CLAMP					
	523-5500Q	Adjustable Clamp W/ PowerBar™ Foot for 1/4" – 1" CTS, Bulk	EA	100	100
	523-5501Q	Adjustable Clamp W/ PowerBar™ Foot for 1/4" – 1" CTS, 1 set/bag	BG	100	100
	522-100B	Noise Block for TouchDown™ Clamp, 100/bag	BG	1	10
	522-100BPK2	Noise Block for TouchDown™ Clamp, 10/bag	BG	1	10
DROP-EAR 90 CUSHION – MUST USE WITH PowerBar™ CLICK FOR SUBMITTAL					
	523-DEQ	Drop Ear 90 Cushion Kit, 1/bag	EA	1	25
	523-DEQ50	Drop Ear 90 Cushion Only – Bulk 50/bag	BG	1	4
TouchDown™ CLAMP					
	550-11Q	TouchDown™ Adjustable Clamp for 1/4" – 1" CTS	EA	100	100
	550-11QPK2	TouchDown™ Adjustable Clamp for 1/4" – 1" CTS, 10/bag	BG	1	10
	522-100B	Noise Block for TouchDown™ Clamp, 100/bag	BG	1	10
	522-100BPK2	Noise Block for TouchDown™ Clamp, 10/bag	BG	1	10
CLICK FOR SUBMITTAL					

CATEGORY	ITEM NO.	DESCRIPTION	U/M	MIN. QTY.	CASE QTY.
TD+™ UNIVERSAL PIPE CLAMP (1/2" CTS – 2" Sch 40) – FLAT BASE					
	550-2111Q	Acoustical Clamp with 2 cushions – bagged set	BG	1	50
	550-2111QPK2	Acoustical Clamp with 2 cushions – bagged set	BG	10	10
	550-2112Q	Acoustical Clamp with 2 Bridges & 4 cushions – bagged set	BG	1	25
	550-210	TD+™ Bridge Only	EA	25	250
	550-214QPK2	TD+™ Cushion Only, 10/bag	BG	1	10
	550-214QPK3	TD+™ Cushion Only, 50/bag – bulk	BG	1	4
TD+™ UNIVERSAL STRUT CLAMP (1/2" CTS – 2" Sch 40)					
	550-2121Q	Acoustical Strut Clamp with 2 cushions – bagged set	BG	1	25
	550-2122Q	Acoustical Strut Clamp with 2 bridges & 4 cushions – bagged set	BG	1	25
	550-210	TD+™ Bridge Only	EA	25	250
	550-214QPK2	TD+™ Cushion Only, 10/bag	BG	1	10
	550-214QPK3	TD+™ Cushion Only, 50/bag – bulk	BG	1	4
ACOUSTICAL SWIVEL LOOP HANGERS					
	514-G02Q	1/2" CTS Adjustable Swivel Loop Hanger	EA	50	50
	514-G03Q	3/4" CTS Adjustable Swivel Loop Hanger	EA	50	50
	514-G04Q	1" CTS Adjustable Swivel Loop Hanger	EA	25	25
	514-G05Q	1-1/4" CTS Adjustable Swivel Loop Hanger	EA	25	25
	514-G06Q	1-1/2" CTS Adjustable Swivel Loop Hanger	EA	25	25
	514-G07Q	2" CTS Adjustable Swivel Loop Hanger	EA	10	10
BumperPad™					
	575-510Q	2" × 2" × 3/4" Riser Clamp Cushion	EA	25	25
	575-511Q	2" × 2" × 3/4" Riser Clamp Cushion W/ Flat GF Polypro Plate	EA	25	25
	575-512Q	2" × 2" × 3/4" Riser Clamp Cushion W/ Formed GF Polypro Plate	EA	25	25
ACOUSTICAL WRAP AND PIPE LINER					
	575-100Q	2-1/4" × 100' Roll, Felt, Self-Adhesive, 1 Roll/bag	EA	1	12
	575-101Q	3/4" × 25' TPE Channel, 1 Roll/box	BX	1	10
	575-102Q	2" × 25' TPE, Self-Adhesive Wrap, 1 Roll/box	BX	1	10

CLICK FOR SUBMITTAL

HardHat™

Heavy-Duty DWV Test Cap



Tough

Thicker wall section. Deep socket for better glue joint

Holds higher test pressures than most test caps

Heavy Duty

1½" and 2" models hold up to 40PSI test*

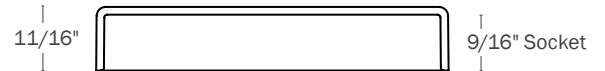
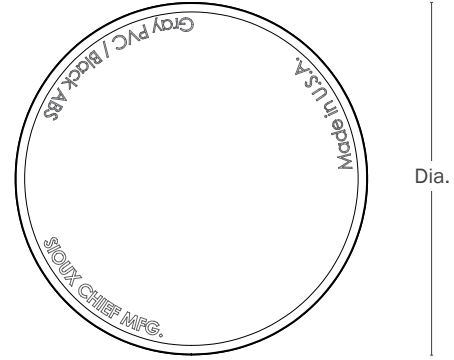
3" and 4" models hold up to 25PSI test*



Specs

Size	Diameter	Max Test Pressure *
1½"	2⅛"	40 PSI
2"	2⅝"	40 PSI
3"	3¾"	25 PSI
4"	4¾"	25 PSI

Be sure to cut pipe as squarely as possible. Install with appropriate primer/cleaner and solvent cement per manufacturer's instructions. Allow specified amount of time for cement to cure before pressure test.



880-01P



880-02A



880-03P



880-04A

» Buying Information

ITEM NO.	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.
PVC TEST CAPS				
880-01P	1½" HardHat™ test cap for PVC Sch. 40 pipe	B	50	500
880-02P	2" HardHat™ test cap for PVC Sch. 40 pipe	B	25	500
880-03P	3" HardHat™ test cap for PVC Sch. 40 pipe	B	25	250
880-04P	4" HardHat™ test cap for PVC Sch. 40 pipe	B	25	100
ABS TEST CAPS				
880-01A	1½" HardHat™ test cap for ABS Sch. 40 pipe	B	50	500
880-02A	2" HardHat™ test cap for ABS Sch. 40 pipe	B	25	500
880-03A	3" HardHat™ test cap for ABS Sch. 40 pipe	B	25	250
880-04A	4" HardHat™ test cap for ABS Sch. 40 pipe	B	25	100

* Not a recommendation - DWV pipe is not designed/intended for high-pressures

PACKAGING:

B = Bulk

C = Cut Case

I = Individually Bar-Coded

PlenumSafe™

» E84 Clamps, Hangers & Pipe Supports



Complete

A variety of sizes and models means the right pipe clamp or hanger for any return air plenum application.

Non-Corrosive

Non-metallic polyvinylidene flouride (PVDF) material eliminates all worries about rust or dissimilar metals.

Compliant

Meets the ASTM E84 25/50 flame spread and smoke opacity rating as well as the UL94 V-0 flame rating.

Supply

Drainage

Support

www.siouxchief.com

TAKE THE FIELD.



Features & Benefits

Complete

PlenumSafe™ clamps and hangers are designed for return air plenums. From standard tube and suspension clamps or metal stud insulators to Sioux Chief's patented TouchDown™ Clamp and PowerBar™ Universal Bracketing System, you can rest easy knowing we have the right product for each application need.



Non-Corrosive

Made from durable, high quality, engineered virgin resin, our PlenumSafe products will not rust or corrode. They meet the flame spread and smoke density index specifications required by national standards and are made in the USA.



Compliant

E84 PlenumSafe hangers are certified and listed by UPC/IAPMO. The International Mechanical Code (IMC) and Uniform Mechanical Code (UMC) require that materials installed in return air plenums must comply to the ASTM-E84 or UL 723 25/50 smoke index and flame spread index.



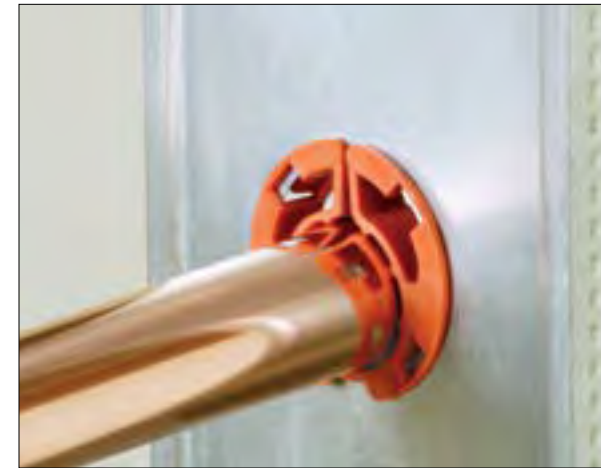
International Mechanical Code (IMC) | Section 602 Plenums

Except as required by Sections 602.2.1 through Section 602.2.1.6 materials within plenums shall be non-combustible or shall have a flame spread index of not more than 25 and a smoke developed index of not more than 50 when tested in accordance with ASTM E84 or UL 723.

Uniform Mechanical Code (UMC) | Section 602.2 Combustibles within Ducts & Plenums

Materials exposed within ducts or plenums shall be noncombustible or shall have a flame spread index not greater than twenty-five (25), when tested as a composite product in accordance with one of the following test methods: NFPA 255 Method of Testing of Surface Burning Characteristics of Building Materials or UL 723, Test for Surface Burning Characteristics of Building Materials.

Installation Tips



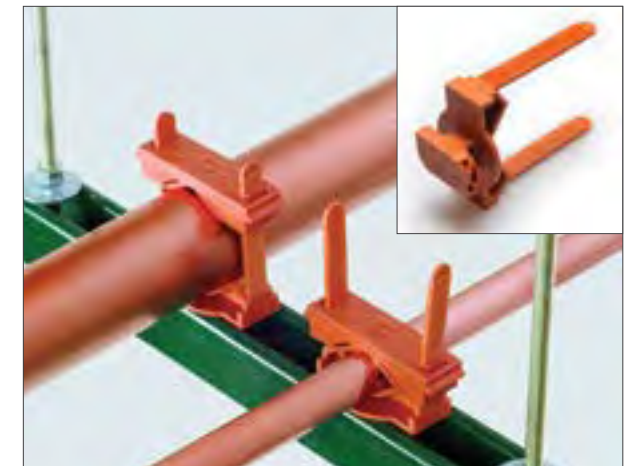
E84 PipeEye™ Metal Stud Insulators have a 1-11/32 O.D. and are compatible with Copper, PEX or CPVC in sizes ranging from 1/2" through 1" CTS.



PipeEye Suspension brackets are designed with the same 1-11/32" hole as a standard metal stud punch for use with PipeEye grommets. Secure the brackets directly to ceilings, decks, walls or vent pipes for tight installations where space is limited.



E84 TouchDown clamps and TouchDown II clamps fit PowerBar and PowerBar Mini Strut brackets. The releasable locking mechanism allows for variable clamping tension for expansion and contraction. Clamping ranges are 1/2" - 2" CTS or 3/8" - 2" IPS (Schedule 40).



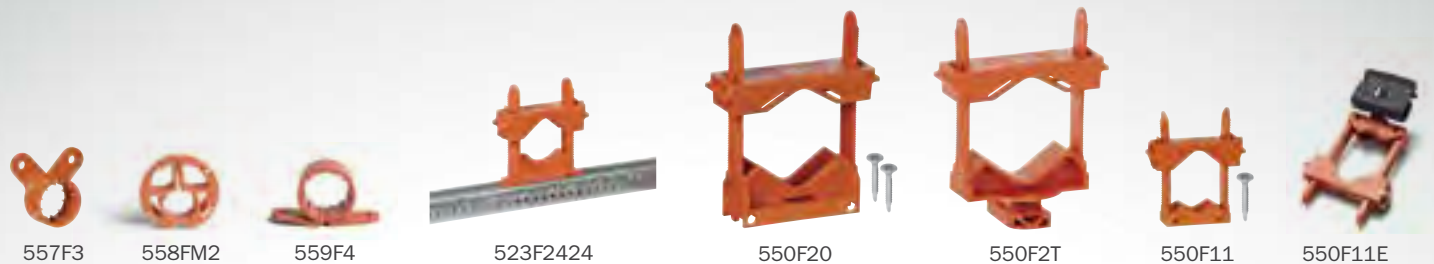
E84 TouchDown II strut clamp fits either 1-5/8" or 2-5/8" channel strut. Simply insert the foot into the channel and twist. Clamping ranges are 1/2" - 2" CTS or 3/8" - 2" IPS (Schedule 40).

PipeEye™ Grommets:



PipeEye™ Suspension Brackets:





»» Buying Information							
ITEM #	DESCRIPTION	U/M	PKG.	MIN. QTY.	CASE QTY.	LIST PRICE	
Suspension Clamp							
557F2	E84 1/2" CTS Suspension Clamp	EA	B	100	1000	\$1.30	
557F3	E84 3/4" CTS Suspension Clamp	EA	B	50	500	\$1.56	
557F4	E84 1" CTS Suspension Clamp	EA	B	50	500	\$2.13	
557F5	E84 1-1/4" CTS Suspension Clamp	EA	B	10	10	\$2.96	
557F6	E84 1-1/2" CTS Suspension Clamp	EA	B	10	10	\$3.64	
557F7	E84 2" CTS Suspension Clamp	EA	B	10	10	\$4.37	
Insulator							
558FM2	E84 1/2" CTS PipeEye	EA	B	10	100	\$1.25	
558FM3	E84 3/4" CTS PipeEye	EA	B	10	100	\$1.35	
558FM4	E84 1" CTS PipeEye	EA	B	5	25	\$1.46	
558F23	E84 1/2" & 3/4" CTS BiFolator	EA	B	100	1000	\$1.30	
Tube Clamp							
559F2	E84 1/2" CTS Tube Clamp	EA	B	100	1000	\$1.30	
559F3	E84 3/4" CTS Tube Clamp	EA	B	50	500	\$1.56	
559F4	E84 1" CTS Tube Clamp	EA	B	50	500	\$2.96	
559F5	E84 1-1/4" CTS Tube Clamp	EA	B	10	10	\$3.64	
559F6	E84 1-1/2" CTS Tube Clamp	EA	B	10	10	\$3.64	
559F7	E84 2" CTS Tube Clamp	EA	B	10	10	\$4.37	
PowerBar Universal Bracket							
523F2424	(1) Bracket, (2) E84 TouchDown Clamps, (4) #8 Self-Drilling Pan Head Phillips Screws	EA	B	50	50	\$7.64	
523F5500	E84 TouchDown Clamps: (100) Bases, (100) Bridges, (100) Screws - Bulk	EA	B	100	100	\$2.03	
TouchDown Clamp							
550F11	E84 TouchDown Clamp: (1) Bridge, (1) Base, (1) #6 Self-Drilling Bugle Head Phillips Screws - Bagged	EA	B	100	100	\$3.12	
550F11E	E84 TouchDown Beam Clamp - Bagged	EA	B	25	100	\$4.68	
TouchDown II Clamp							
550F20	E84 TouchDown II: (1) Bridge, (1) Base, (2) #6 Self-Drilling Bugle Head Phillips Screws - Bagged	EA	B	25	25	\$8.27	
550F20E	E84 TouchDown II Beam Clamp - Bagged	EA	B	25	25	\$9.72	
550F2T	E84 TouchDown II: Strut Clamp - Bagged	EA	B	5	5	\$8.79	
550F22T	E84 TouchDown II Strut Clamp 50/box - Bulk	BX	B	1	1	\$433.68	



File 3163

PACKAGING:
B = Bulk

Material Specifications

Polyvinylidene Fluoride (PVDF)
 Maximum Temperature: 140°F (60°C) continuous
 Maximum Suspended Load Rating: 25-lbs.
 TouchDown Clamp Range: 0.375" - 1.315"
 TouchDown II Clamp Range: 0.625" - 2.375"

24110 South Peculiar Drive
 Peculiar, Missouri 64078
P 1.800.821.3944
F 1.800.758.5950

DISTRIBUTED BY

#LT3PLENUMSFE

www.siouxchief.com

© 09/13 PLENUM SAFE



Downspout Nozzle

For Roof Drains



Effective

Nozzles divert water away from the building wall to prevent unsightly water stains

Available in 3" – 8" sizes with No-Hub or FIP thread connection

Quality

Cast nickel-bronze material. Escutcheon/ring included to provide a clean, secure appearance



Supply Drainage Support

www.siouxchief.com

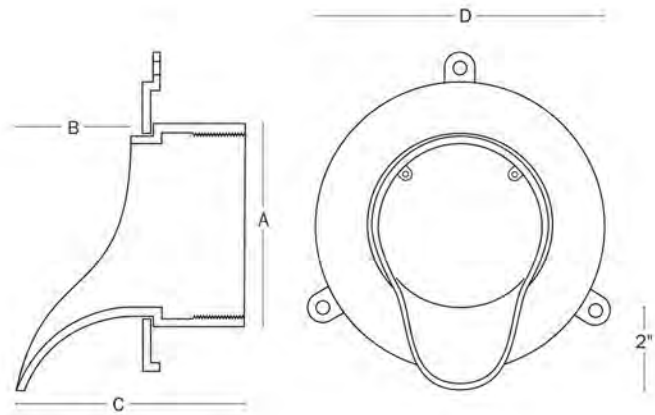
TAKE THE FIELD.



DIMENSIONS

Size:	3"	4"	6"	8"
A: Connection OD				
No-Hub	3 $\frac{3}{8}$ "	4 $\frac{3}{8}$ "	6 $\frac{5}{8}$ "	8 $\frac{3}{8}$ "
FIP	3 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "	6 $\frac{7}{8}$ "	8 $\frac{7}{8}$ "
B: Lip extension	2 $\frac{3}{4}$ "	2 $\frac{3}{4}$ "	3"	3"
C: Overall Length	5 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	5 $\frac{3}{4}$ "	6 $\frac{1}{4}$ "
D: Flange diameter	6"	7"	9"	11"

[CLICK FOR SUBMITTAL](#)



868-N3H



868-N4H



868-N4F



868-N6F

» Buying Information

ITEM NO.	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.
NO-HUB CONNECTION				
868-N3H	3" No-Hub connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
868-N4H	4" No-Hub connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
868-N6H	6" No-Hub connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
868-N8H	8" No-Hub connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
FIP THREAD CONNECTION				
868-N3F	3" FIP thread connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
868-N4F	4" FIP thread connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
868-N6F	6" FIP thread connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
868-N8F	8" FIP thread connection nickel-bronze downspout nozzle with ring/escutcheon	B	1	1
BIRD/PROTECTION SCREEN				
868-NS3	3" bird screen with screws	B	1	1
868-NS4	4" bird screen with screws	B	1	1
868-NS6	6" bird screen with screws	B	1	1
868-NS8	8" bird screen with screws	B	1	1

PACKAGING:

B = Bulk

C = Cut Case

I = Individually Bar-Coded

PowerBar™ Vent Loop Kits

»» 523-VLK series



Clean

Designed specifically for inside kitchen island cabinets with exposed pipes.

Convenient

Available with either 1 or 2 pre-loaded TouchDown™ clamps.

Easy Installation

Glue ComboSaddle™ to vent pipe then secure supply lines with TouchDown™ clamps.



»» Buying Information

ITEM NO.	DESCRIPTION	MIN QTY	CASE QTY
PowerBar™ VENT LOOP KITS			
523-VLK1	PowerBar™ 3-piece kit with 1 pre-loaded TouchDown™ clamp and 2 ComboSaddles™ with screws, 1 kit/bag	25	25
523-VLK2	PowerBar™ 3-piece kit with 2 pre-loaded TouchDown™ clamps and 2 ComboSaddles™ with screws, 1 kit/bag	25	25



10/16

Supply

Drainage

Support

www.siouxchief.com

TAKE THE FIELD.



OxBox™

»» Outlet Box System



Universal Install

One box replaces right drain, left drain, bottom supply and top supply. One box size, one frame size ... all options.

Fast

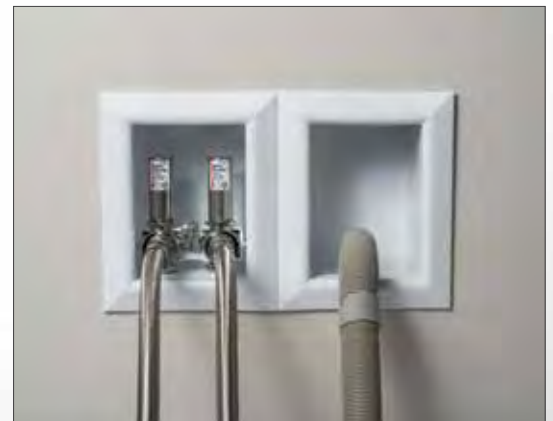
Installs in half the time.

Separate Supply & Drain

DWV installed in one stud bay. No crossing over stud, saving material & line protection.

Strong

Smaller, more rigid box adds structure. High quality materials stand up to abuse.



Supply | Drainage | Support

www.siouxchief.com

TAKE THE FIELD.



OxBox™ : Washing Machine

»» Universal Outlet Box System

The OxBox utilizes a patented **two-box design** and box clip so the installer, designer or specifying engineer can have the most **ease of installation, layout flexibility and strength of install** available with any outlet box system.

Just flip & clip the boxes into the desired layout for the **quickest, most secure** and **quality** installation possible.

OxBox replaces all left and right drain commodity box options as well as all top mounted supply options.

The OxBox eliminates redundant inventory and eliminates “frame confusion” by replacing all other commodity box product.

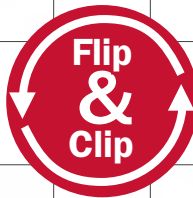
1. Choose right or left drain line position



Right Drain



Left Drain



2. Choose top or bottom supply line position



Top Supply



Bottom Supply

Unlimited Installation Versatility

Over-the-Stud (Recommended)

Over-the-stud installation is the strongest OxBox installation option, and uses a single screw.

- Stud adds strength
- Over-the-stud placement assures box mount is perpendicular to room
- No crossing over the stud with drainage
- Reduced pipe protection plates and stud reinforcement



Between-the-Studs

Between-the-studs installation allows the supply and drain boxes to be installed in the same stud bay.

- Increases layout options and plumbing layout design



Separate Box/Separate Wall

Separate box options allow the drain to be installed on an outside wall while keeping the supply lines freeze protected on an inside wall.

- Boxes can be kept out of sight behind each appliance
- Great for wheelchair accessible locations or for assisted living facilities where easy access to supply line shut-off is desired



Stacked Box

Stacked box options allow for advanced plumbing layout flexibility exclusive to the OxBox.

- Perfect for top-mount supply
- Perfect for multi-family or apartment projects utilizing washer/dryer combos



Problems

Other outlet boxes come with many inherent problems:



More Inventory. Assembled right drain, left drain or center drain boxes require more SKUs in inventory.



Assembly Required. Unassembled components require extra assembly time, which can scar/mark up the box finish and be misplaced or lost.



Cheap Materials. Brittle and thin styrene boxes are easily damaged by job site abuse.



Inferior Bracketing. Contractors are forced to add their own wood braces to supplement flimsy styrene brackets.



Installation Difficulty. Flimsy box and brackets require extra work and leveling to install correctly.



Knockout Problems. Styrene knockouts take extra time, leave a jagged edge and can clog up the drain.



Frame Management. Extra work is required to separate frames from boxes in order to save for finish.



Frame Confusion. Different frame sizes for different boxes are difficult to manage from rough-in to finish.



Crowded Lines. Close proximity of drain and supply lines can require extra fittings or lead to damaged fittings/pipe from glue or flame.



Stud Protection Needed. Drain line in second stud bay needs added protection and reinforcement.

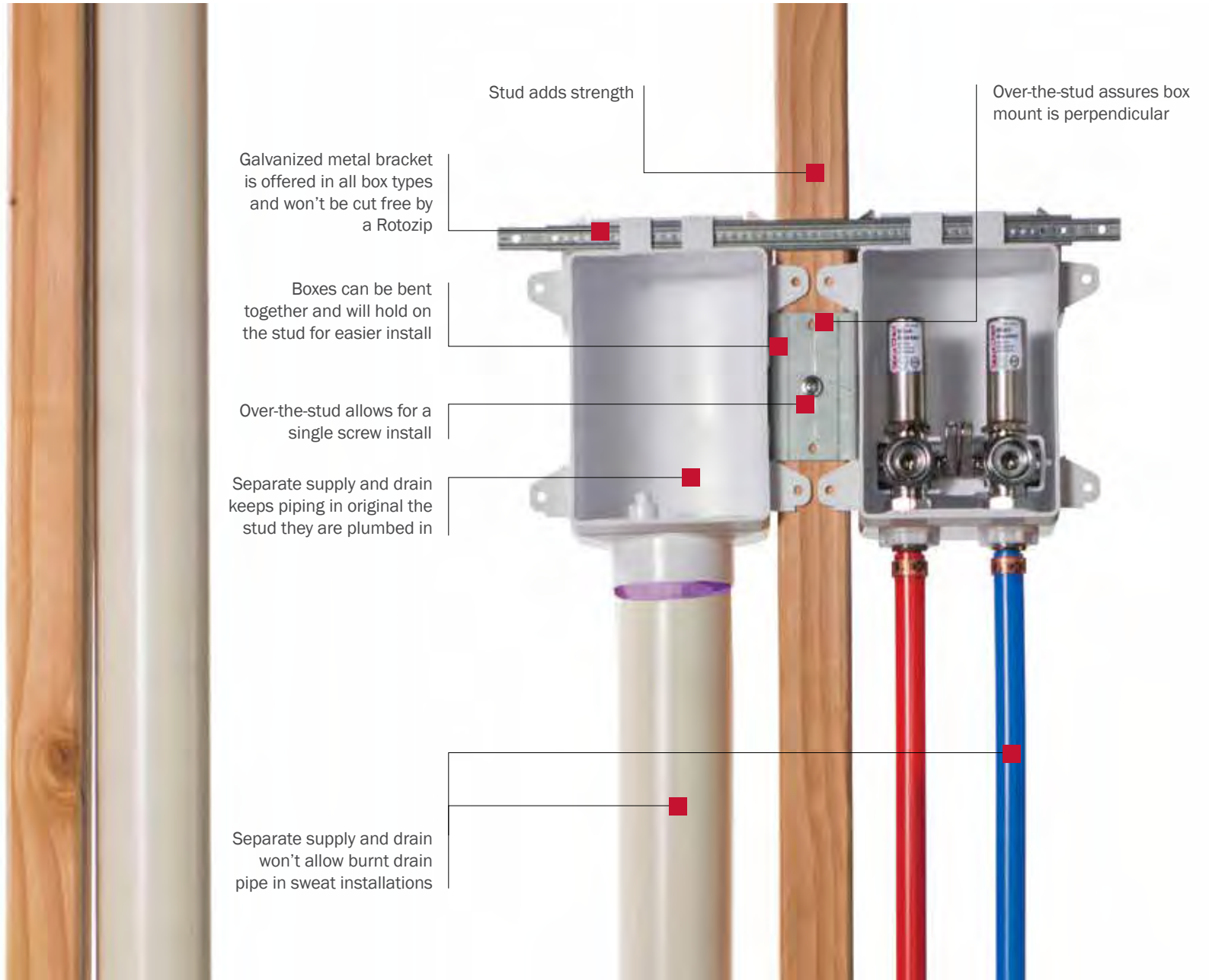


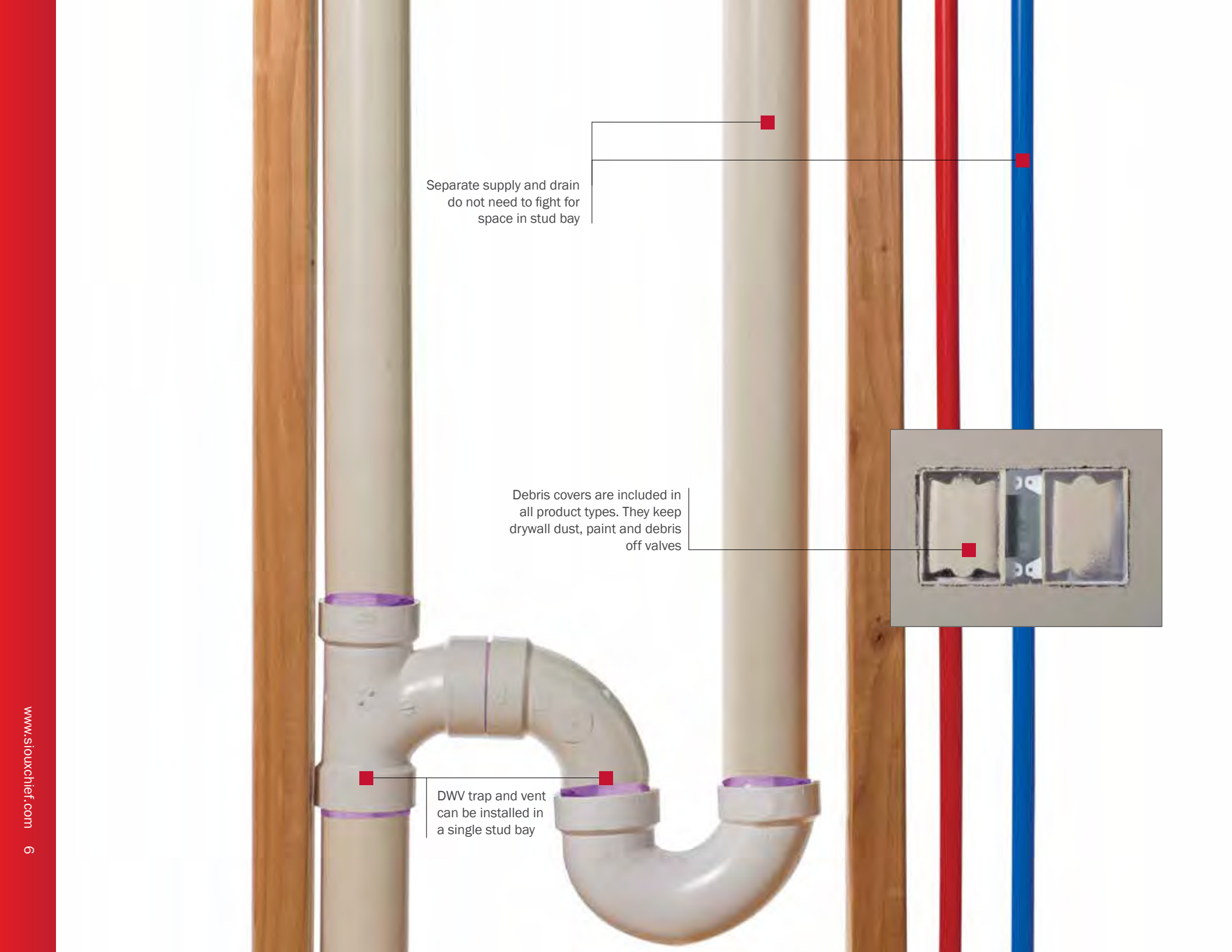
Brackets Are Easily Cut. Rotozip drywall cutters often cut right through thin styrene brackets leaving the plumbing as the only support.



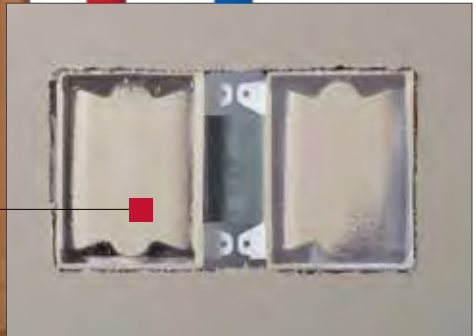
Unprotected Opening. Open boxes are susceptible to drywall mud, paint, dirt and debris or require added time and material to protect them.

One Solution: OxBox (Over-the-Stud Recommended Install)






Separate supply and drain
do not need to fight for
space in stud bay



Debris covers are included in
all product types. They keep
drywall dust, paint and debris
off valves



DWV trap and vent
can be installed in
a single stud bay

Installation Comparison



The OxBox **installs in half the time** of a typical commodity box installation, saving you time, money, and labor.



The OxBox provides the **strongest installation** on the market. Thicker ABS material and smaller box size provide an installation as strong as an ox. When installed using the recommended over-the-stud installation, the application is strengthened and protected by the stud support and provided bracket.



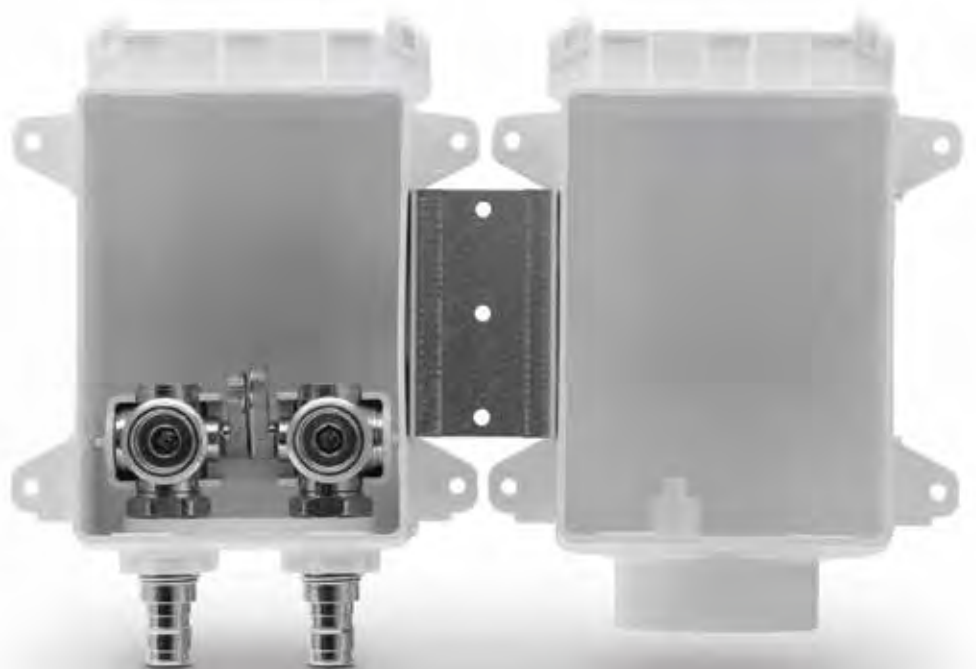
A single OxBox sku has **16 times the installation versatility** over standard commodity boxes including: over-the-stud, between-studs, and separate bays, so you can be sure the OxBox will work in any application.



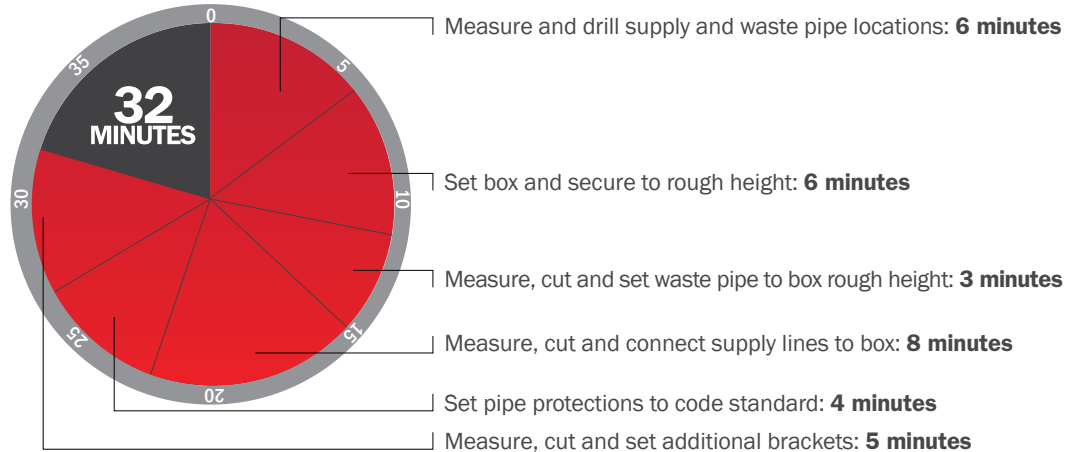
Frame



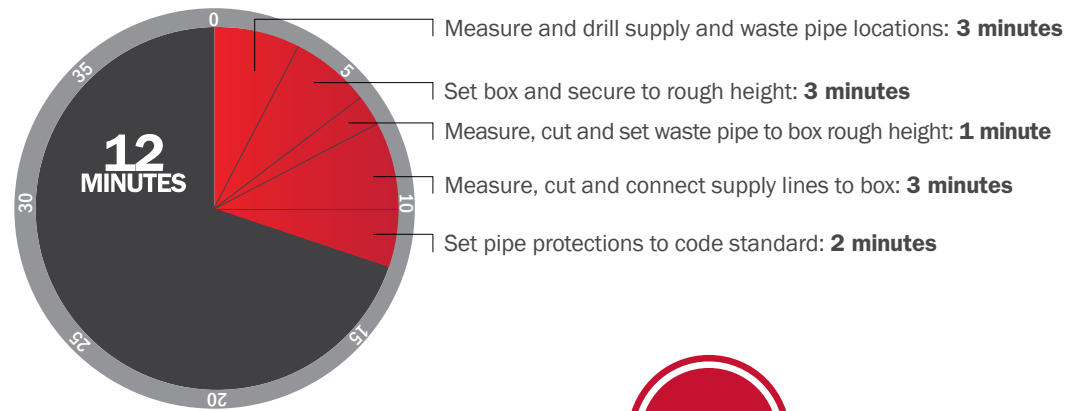
No matter the box type, one frame fits every box. Frames are appliance white and contoured for an aesthetically pleasing finish.



Commodity Outlet Box Installation

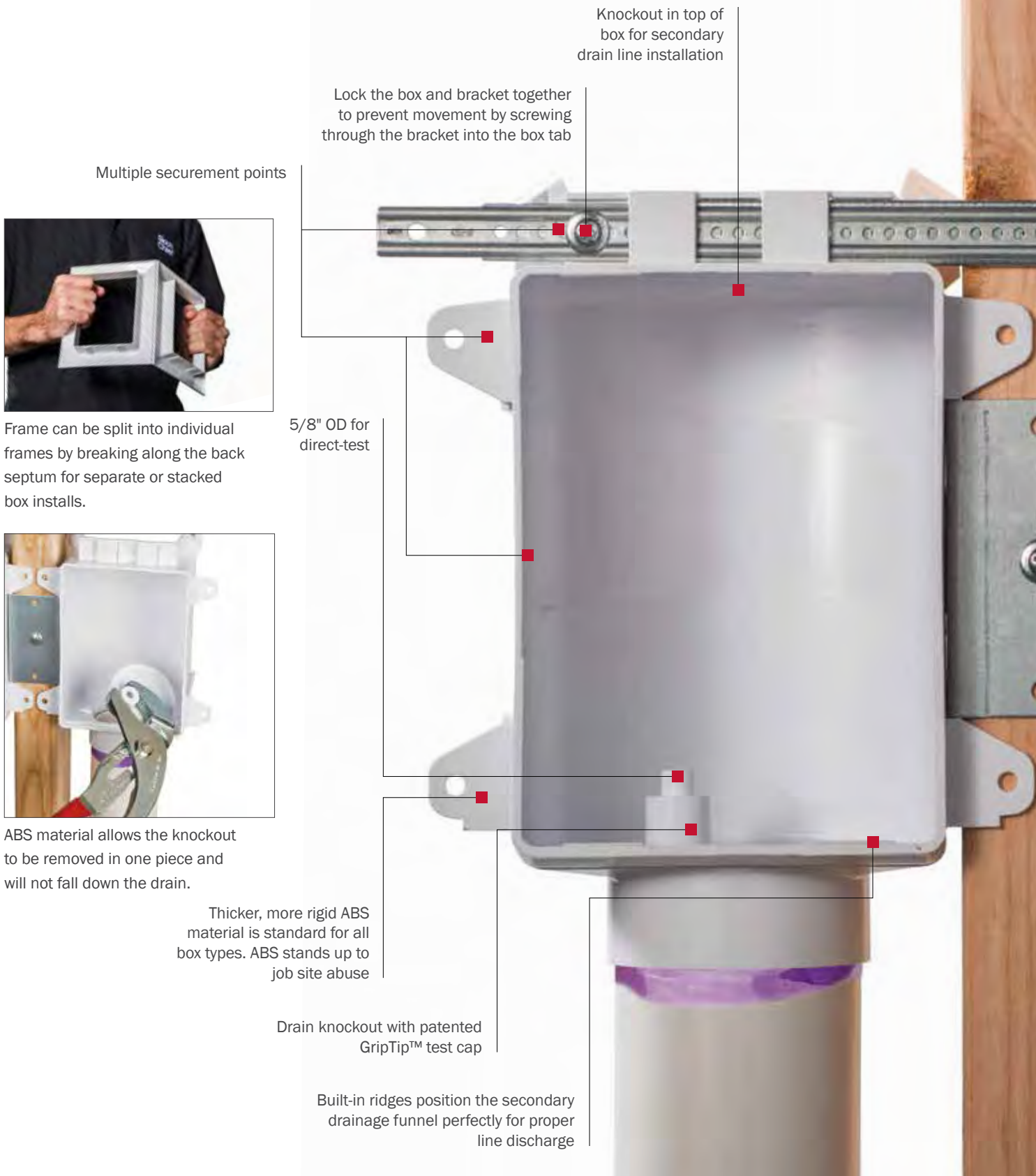


OxBox Installation



Installation time savings

Features & Benefits



Knockout in top of box for secondary drain line installation

Lock the box and bracket together to prevent movement by screwing through the bracket into the box tab

Multiple securement points



Frame can be split into individual frames by breaking along the back septum for separate or stacked box installs.

5/8" OD for direct-test



ABS material allows the knockout to be removed in one piece and will not fall down the drain.

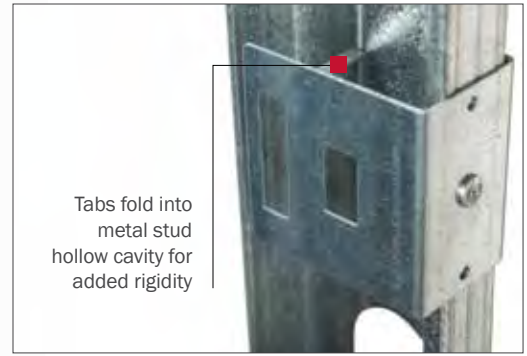
Thicker, more rigid ABS material is standard for all box types. ABS stands up to job site abuse

Drain knockout with patented GripTip™ test cap

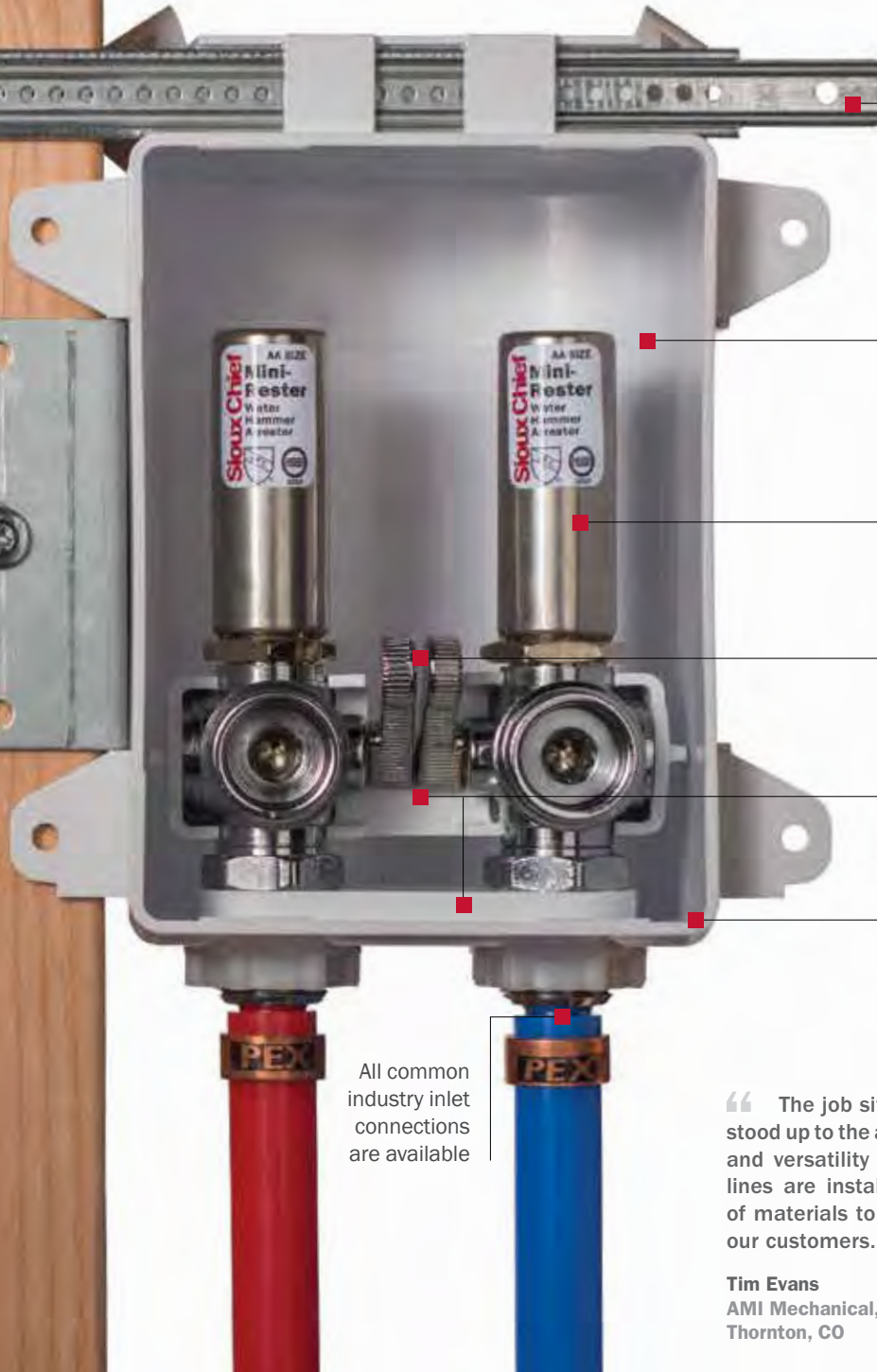
Built-in ridges position the secondary drainage funnel perfectly for proper line discharge



Secondary drain funnel fits perfectly into the drain box for a clean and professional finish.



Tabs fold into metal stud hollow cavity for added rigidity



Sliding support bracket comes standard in all packages



Made in the USA

High quality MiniRester™ water hammer arrester options

Single handle look with dual handle functionality

Valve clips and platform keep valves aligned correctly. The platform allows hose connections to be made easier than commodity boxes

Bottom ridge will accept an additional support bracket for even greater installation strength

All common industry inlet connections are available

“ The job site can be brutal on access boxes, and the OxBox has stood up to the abuse time and time again. We appreciate the strength and versatility the box offers. No matter how the drain and water lines are installed, the OxBox works every time. From the quality of materials to the look of the product, the OxBox works for us and our customers.”

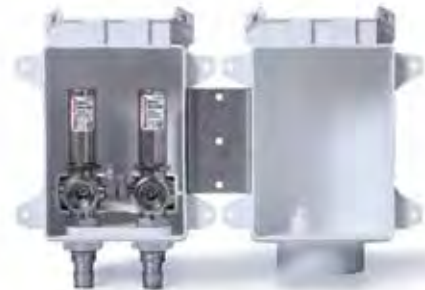
Tim Evans
AMI Mechanical, Inc.
Thornton, CO

Product Types

Washing Machine Box

Separate drain and supply boxes offer the most versatility in installation.

- Patents: #7,360,553 & #7,735,511 & #785,433,7B1
- Versatile: One box sku replaces all other commodity outlet box skus
- Fast: Installs in less than 1/2 the time of commodity boxes
- Strong: OxBox offers the industry's strongest installation



696-2313WR

OxBox ONE™ – Washing Machine Box

Smallest profile of any laundry supply and drain box combo.

- One Box, same OxBox frame
- Small size adds strength of install
- Economical applications
- Can mount directly to the stud for a fast and perfectly aligned installation



696-2403CR

Ice Maker Box

Same size box as all supply boxes. Made with highest quality valves and material. Tested to assure best quality.

- Boxes can be positioned with arrester in any position
- Quickly installs on or between studs



696-1010MR

Lavatory Box

Replaces stub outs, escutcheons, supply stops and bracketing. The box eliminates the installation and liability of the same while standardizing installation.

- Installs in 1/5 the time of typical installation materials
- One box replaces stub outs, bracketing, valves and escutcheons
- Box installs at rough-in stage and remains on test throughout all construction phases
- Highest quality valves and material available



696-2001MR

Toilet/Dishwasher Box

Perfect water service box for 3/8" outlet appliance needs. Available with arresters for protection of solenoid operation.

- Fast and secure installations
- One box replaces stub out, bracketing, valve and escutcheon
- Box installs at rough-in stage and does not require the typical system drain down for valve installation



696-1011MR

Gas Box

Gas appliance can be set closer to the wall by utilizing a recessed gas box.

- Available in CSST or iron pipe varieties
- Complies with ANSI Z21.15-1997 / CGA 9.1-M97
- Quickly and securely installs on the stud or between studs with supplied support bracket



696-1020GR

TurboVent™ with OxBox

Provides a quick and easy installation for a bathroom fixture group or individual fixture in a single, out-of-the way and aesthetically pleasing installation.

- Available in various DFU offerings
- ASSE 1050 & 1051 listed and cIAPMO certified Air Admittance Valve



250-696122P

3/4" Hose Service Box

Perfect for wash down stations, commercial ice maker supply or for modern appliance water supply.

- Quick and easy installation on or between studs



696-1013MR

Options & Product Variations

Arrester Product or Standard

All OxBox Access product can be ordered with or without arresters. MiniRester water hammer arresters are made in the USA, cUPC listed and ASSE certified.



Inlet Connections

All OxBox product variations are available with the industry's leading connection systems.



1/2" PEX
F1807 Crimp



1/2" PEX
F1960 Grip



1/2" Female
Sweat



1/2" CPVC



1/2" PEX
F2080 Lock



1/2" Viega®
PEX Press

Outlet Connections

All OxBox product variations come with industry standard connection outlet option.



Ice Maker
1/4" Comp.



Washing Machine
3/4" hose, two
per box



Lavatory
3/8" Comp.
two per box



Single
3/4" hose



Toilet
3/8" Comp.



Gas
1/2" or
3/4" FIP

Rough-In Pack or Standard

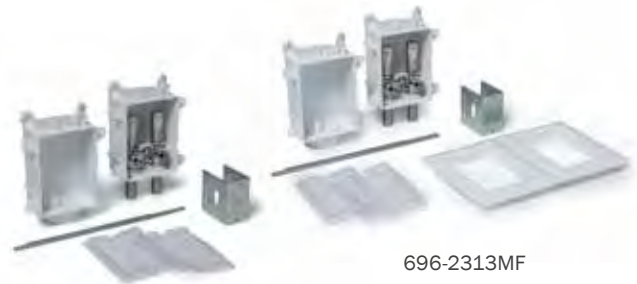
All OxBox Products are available to ship as rough-in packaged product or standard packaged product.

Rough-In

- Boxes are shipped separate from frames
- Frames can be ordered when the job is complete and remain off the job, secure and clean

Standard

- Boxes are shipped with the frames in a sealed bag
- Bags are complete with the installation instructions directly printed on the bag



696-2313MR

696-2313MF

Retail Box Options

OxBox Washing Machine and Ice Maker boxes are available in retail packaging. Each OxBox is packaged in an individually bar-coded display box.



No Lead or Standard

OxBox valves are made of No Lead or standard brass materials. No Lead material is additionally dezincification resistant and stress corrosion cracking resistant.

- Washing Machine: available in both standard and no lead alloys, both are chrome-plated
- Ice/Lav/Toilet & Dishwasher: available in no lead material and chrome-plated



Fire-Rated or Standard

Fire-Rated OxBox products are certified by Intertek/Warnock Hersey to the following Fire-Rating Standards:

ASTM E-814

2 hours (F), 1½ hours (T)

for 2-hour design

1 hour (F), 31 min (T)

for 1-hour design

UL 1479

ASTM E-119

2 hours (F), 1½ hours (T)

for 2-hour design

1 hour (F), 31 min (T)

for 1-hour design

CAN/ULC S115



696R2313MF



Accessories

Frame Inserts

- Louvered frame insert provides an aesthetically pleasing cover for Air Admittance Valve box applications
- Notched frame insert conceals the valves and inhibits tampering of valves while leaving hose/valve access



Frame Extensions

- Adds 1/2" of additional drywall depth
- Made of Fire-Rated material and perfect for furred out or double drywall depth walls
- Extensions can be stacked to achieve deeper depths



Caps

- Protect valves from undesired operation
- Brass caps with gasket for testing and valve operation protection



Valves

- Valves and components can be combined to make any desired supply box configuration
- High quality 1/4-turn ball valve is a perfect solution for No Lead re-pipe applications



Boxes

- One-hole boxes for ice maker, toilet, gas and AAV access; two-hole boxes for washing machine and lavatory access
- Drain box with integral test nipple on knockout
- Made from durable ABS material



Box Clips

- Box Clip connects two OxBox outlet boxes
- Enables the strongest outlet box installations by straddling wood or metal studs
- Tabs fold into metal stud hollow cavity for added rigidity



696-BC

Debris Covers

- Protects OxBox from paint or drywall mud while on the job site



696-DC

Sliding Brackets

Allows box configuration to be installed between studs

- Provides protection from drywall installers cutting through support ears
- Adjustable length from 9" to 18"



520-09

Secondary Drainage Funnel

The funnel is ideal for adding condensate, water softener or other auxiliary lines to the drain box, and can be used in conjunction with a washing machine drain hose. Provides 1" air gap.

- Two-piece design snaps together for fast installation and easy cleaning
- Drains 7 GPM
- Fingers in top housing hold 1/2" CTS – 1" IPS piping firmly in place



696-CF

Application Variations & Layout Options

Dual Drain

Attach a second drainage box and TurboVent for a dual drain installation.

- OxBox AAV boxes can eliminate the need for long runs of vent piping
- Boxes can be clipped to one another for a secure installation



Kitchen Sink

Combining two application box types into one location offers consistent looks and unmatched strength of install.

- Arrester configurations should be chosen to protect solenoid operated appliances
- A dishwasher box next to a lavatory box will provide all the 3/8" outlets necessary



DWV Testing

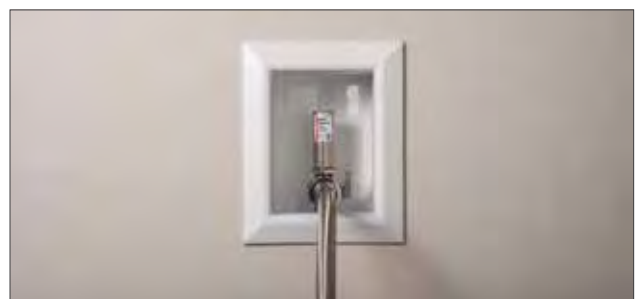
Air or water tests are made easy at the laundry location.

- Patented GripTip feature on the OxBox drain box allows easy testing between supply and drain boxes

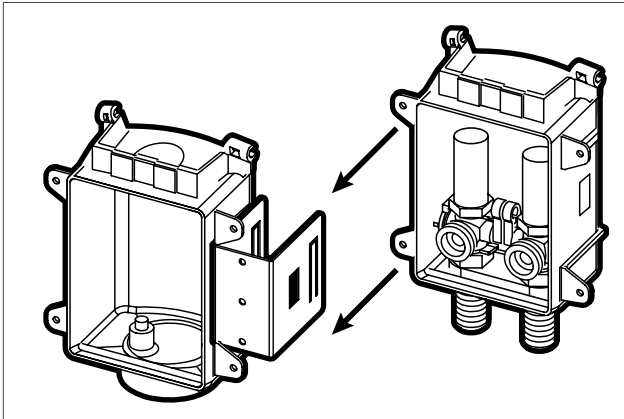


General Appliance/Water Service Box

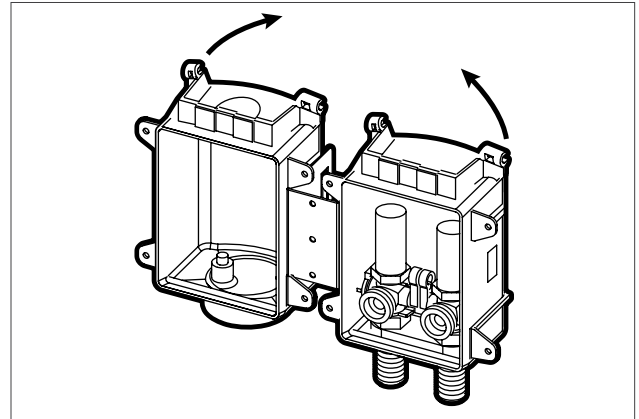
Modern appliances require a single 3/4" hose valve for water service.



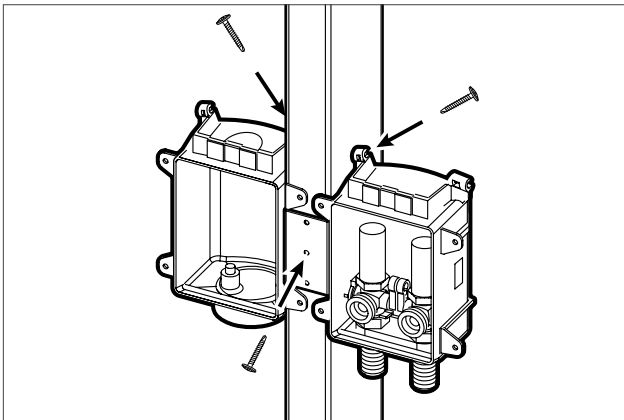
Installation



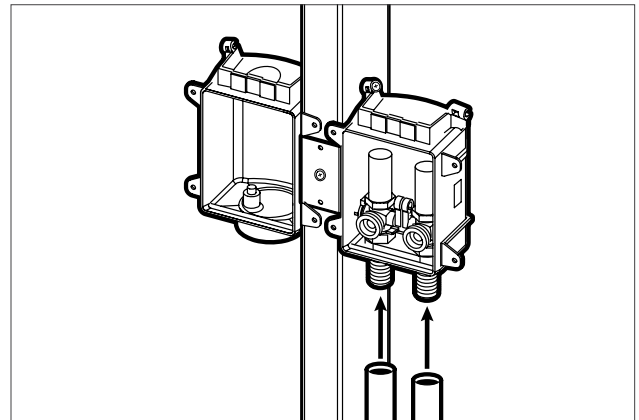
Clip boxes together in desired configuration. Clip slides into tracks.



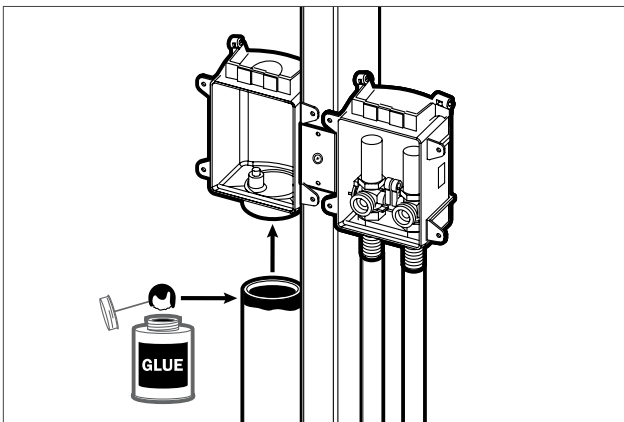
Gently bend boxes together to hold onto the stud. Slide support bracket through top track for alternate installation.



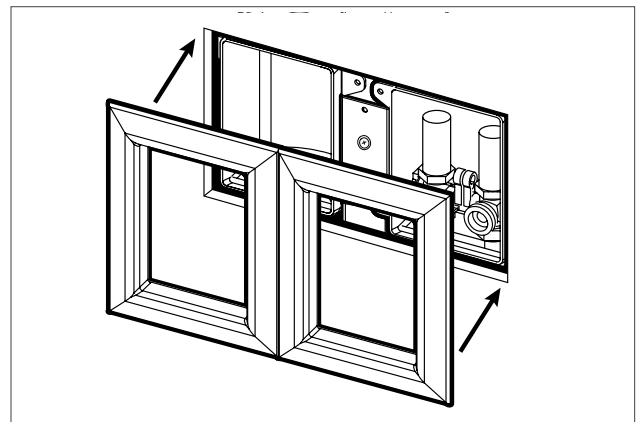
Secure the assembly with nails/screws to studs or to support bracket.



Plumb the supply lines in the typical manner. Open valves before soldering. DO NOT allow flame to come into contact with the box.



Plumb the drain line in the typical manner. Wait for glue to cure before testing. DO NOT glue box. Apply glue to pipe only.



Install the frame after the wall has been finished.

PDQ

▶▶▶ No Lead Push Fitting System.
Plumbing Done Quickly.



Easy

Just Push.

Fast

Installs in seconds without cumbersome and expensive tools. No waiting for water to drain down. Perfect for emergency situations. Immediately testable.

Universal

Works with all CTS pipe types: Copper, CPVC, PEX, PERT

Durable

Quality materials and an engineered connection provide the strongest joint.

Trusted/Accepted/Compliant

UPC certified to ASSE 1061 & AB1953

Replaceable

Removable. Reusable. Perfect for temporary or permanent plumbing.

**NO
LEAD**

Supply

Drainage

Support

www.siouxchief.com

TAKE THE FIELD.



Buying Information		
ITEM NO.	Description	Min / Case
BRASS ELBOWS		
642QG2	ELBOW 1/2 X 1/2 PDQ, NL BRASS	12/12
642QG3	ELBOW 3/4 X 3/4 PDQ, NL BRASS	12/12
642QG32	ELBOW 3/4 X 1/2 PDQ, NL BRASS	6/6
642QG4	ELBOW 1 X 1 PDQ, NL BRASS	6 / 6
642QG43	ELBOW 1 X 3/4 PDQ, NL BRASS	6 / 6
642QG5	ELBOW 1-1/4 X 1-1/4 PDQ, NL BRASS	3/3
642QG6	ELBOW 1-1/2 X 1-1/2 PDQ, NL BRASS	3/3
642QG7	ELBOW 2 X 2 PDQ, NL BRASS	3/3
BRASS TEES		
641QG222	TEE 1/2 X 1/2 X 1/2 PDQ, NL BRASS	12/12
641QG222F	TEE 1/2 X 1/2 PDQ X 1/2 FIP, NL BRASS	6/6
641QG222M	TEE 1/2 X 1/2 PDQ X 1/2 MIP, NL BRASS	6/6
641QG223	TEE 1/2 X 1/2 X 3/4 PDQ, NL BRASS	6/6
641QG224	TEE 1/2 X 1/2 X 1 PDQ, NL BRASS	6/6
641QG322	TEE 3/4 X 1/2 X 1/2 PDQ, NL BRASS	6/6
641QG323	TEE 3/4 X 1/2 X 3/4 PDQ, NL BRASS	6/6
641QG332	TEE 3/4 X 3/4 X 1/2 PDQ, NL BRASS	6/6
641QG333	TEE 3/4 X 3/4 X 3/4 PDQ, NL BRASS	12/12
641QG333F	TEE 3/4 X 3/4 X 3/4 FIP PDQ, NL BRASS	6/6
641QG333M	TEE 3/4 X 3/4 X 3/4 MIP PDQ, NL BRASS	6/6
641QG334	TEE 3/4 X 3/4 X 1 PDQ , NL BRASS	6/6
641QG424	TEE 1 X 1/2 X 1 PDQ, NL BRASS	6/6
641QG443	TEE 1 X 1 X 3/4 PDQ, NL BRASS	6/6
641QG444	TEE 1 X 1 X 1 PDQ, NL BRASS	6/6
641QG555	TEE 1-1/4 X 1-1/4 X 1-1/4 PDQ, NL BRASS	3/3
641QG666	TEE 1-1/2 X 1-1/2 X 1-1/2 PDQ, NL BRASS	3/3
641QG777	TEE 2 X 2 X 2 PDQ, NL BRASS	3/3
BRASS COUPLINGS		
645QG2	COUPLING 1/2 PDQ, NL BRASS	12/12
645QG3	COUPLING 3/4 PDQ, NL BRASS	12/12
645QG32	COUPLING 3/4 X 1/2 PDQ, NL BRASS	6/6
645QG4	COUPLING 1 PDQ, NL BRASS	6/6
645QG43	COUPLING 1 X 3/4 PDQ, NL BRASS	6/6
645QG5	COUPLING 1-1/4 PDQ, NL BRASS	3/3
645QG54	COUPLING 1-1/4 X 1 PDQ, NL BRASS	3/3
645QG6	COUPLING 1-1/2 PDQ, NL BRASS	3/3



Buying Information		
ITEM NO.	Description	Min / Case
BRASS COUPLINGS CONTINUED		
645QG65	COUPLING 1-1/2 X 1-1/4 PDQ, NL BRASS	3/3
645QG7	COUPLING 2 PDQ, NL BRASS	3/3
645QG76	COUPLING 2 X 1-1/2 PDQ, NL BRASS	3/3
BRASS SLIP COUPLINGS		
600QG406	1 SLIP COUPLING 1 PDQ, NL BRASS	6/6
COPPER SLIP COUPLINGS		
600Q206	1/2 SLIP COUPLING 1/2 PDQ X 1/2 PDQ, NL COPPER	6/6
600Q306	3/4 SLIP COUPLING 3/4 PDQ X 3/4 PDQ, NL COPPER	6/6
BRASS TEST CAPS		
605QG2	TEST CAP 1/2 PDQ, NL BRASS	12/12
605QG3	TEST CAP 3/4 PDQ, NL BRASS	12/12
605QG4	TEST CAP 1 PDQ, NL BRASS	3/3
605QG5	TEST CAP 1 1/4 PDQ, NL BRASS	3/3
605QG6	TEST CAP 1 1/2 PDQ, NL BRASS	3/3
605QG7	TEST CAP 2 PDQ, NL BRASS	3/3
BRASS MIP ADAPTERS		
646QG2	ADAPTER 1/2 MIP X 1/2 PDQ, NL BRASS	12/12
646QG3	ADAPTER 3/4 MIP X 3/4 PDQ, NL BRASS	12/12
646QG32	ADAPTER 3/4 MIP X 1/2 PDQ, NL BRASS	6/6
646QG34	ADAPTER 3/4 MIP X 1 PDQ, NL BRASS	6/6
646QG4	ADAPTER 1 MIP X 1 PDQ, NL BRASS	6/6
646QG5	ADAPTER 1-1/4 MIP X 1-1/4 PDQ, NL BRASS	3/3
646QG6	ADAPTER 1-1/2 MIP X 1-1/2 PDQ, NL BRASS	3/3
646QG7	ADAPTER 2 MIP X 2 PDQ, NL BRASS	3/3
BRASS FIP ADAPTERS		
647QG2	ADAPTER 1/2 FIP X 1/2 PDQ, NL BRASS	3/3
647QG3	ADAPTER 3/4 FIP X 3/4 PDQ, NL BRASS	6/6
647QG32	ADAPTER 3/4 FIP X 1 PDQ, NL BRASS	6/6
647QG34	ADAPTER 3/4 FIP X 1 PDQ, NL BRASS	6/6
647QG4	ADAPTER 1 FIP X 1 PDQ, NL BRASS	6/6
647QG43	ADAPTER 1 FIP X 3/4 PDQ, NL BRASS	6/6
647QG5	ADAPTER 1-1/4 FIP X 1-1/4 PDQ, NL BRASS	3/3
647QG6	ADAPTER 1-1/2 FIP X 1-1/2 PDQ, NL BRASS	3/3
647QG7	ADAPTER 2 FIP X 2 PDQ, NL BRASS	3/3



Buying Information		
ITEM NO.	Description	Min / Case
SWIVEL CONNECTOR		
637Q2	1/2 FIP SWIVEL X 1/2 PDQ ADAPTER, NL COPPER	12/12
DROP EAR ELBOW		
647Q2E	XX1/2 FITQUICK X 1/2 FIP DROP EAR ELBOW (LEADED BRASS)	6/6
647QG2E3	ELL 1/2 FIP DROP EAR X 1/2 PDQ, NL BRASS	6/6
BRASS MIP ELBOW ADAPTER		
632QG222M	ELBOW 1/2 PDQ X 1/2 MIP, NL BRASS	6/6
632QG444M	ELBOW 1 PDQ X 1 MIP, NL BRASS	6/6
BRASS FIP ELBOW ADAPTER		
632QG222F	ELBOW 1/2 PDQ X 1/2 FIP, NL BRASS	6/6
STUB OUT ELBOW		
630Q248	ELL 3-1/2 X 8-1/2 PDQ STUB OUT, NL COPPER	20/20
630Q248E	ELL 1/2 STUB OUT W/ EAR STRAP, NL COPPER	25/25
630Q368	ELL 6 X 8 3/4 PDQ STUB OUT, NL COPPER	10/10
630Q4910E	ELL 9 X 10 1 PDQ STUB OUT W/ EAR, NL COPPER	10/10
TUB/SHOWER ELBOWS		
632Q263	ELBOW 6 X 2-1/4 1/2 PDQ X 1/2 MALE SWEAT, NL COPPER	10/10
632Q263X	ELBOW 6 X 3 1/2 PDQ X 1/2 M.SWVL, NL COPPER	20/20
632Q263Y	ELBOW 6 X 3 1/2 PDQ X 1/2 F. SWIVEL, NL COPPER	20/20
WATER HEATER CONNECTORS (WHC), RIGID TYPE L COPPER		
633Q03	WHC 3/4 PDQ X 3/4 F. SWIVEL 2 LONG, NL COPPER	12/12
633Q06FP	WHC 3/4 F. SWIVEL X 3/4 PDQ FULL PORT VALVE, NL COPPER, 6"	10/10
633Q18	WHC 3/4 F. SWIVEL X 3/4 PDQ, NL COPPER, 18"	10/10
633Q18FP	WHC 3/4 F. SWIVEL X 3/4 PDQ FULL PORT VALVE, NL COPPER, 18"	10/10
694Q312620	WHC KIT: (qty 1) 633Q06FP & (qty 1) 633Q03, NL COPPER	10/10
694Q464120	WHC KIT: (qty 1) 634Q418FP & (qty 1) 634Q418, NL COPPER	10/10
WATER HEATER CONNECTORS (WHC), FLEXIBLE		
634Q418	WHC FLEX F. SWIVEL X 3/4 PDQ, NL COPPER, 18"	12/12
634Q418FP	WHC FLEX 3/4 F. SWIVEL X 3/4 PDQ FULL PORT VALVE, NL COPPER, 18"	10/10



Buying Information		
ITEM NO.	Description	Min / Case
FULL PORT BALL VALVES		
648QG2	VALVE 1/2 PDQ, FULL PORT, NL BRASS	12/12
648QG3	VALVE 3/4 PDQ, FULL PORT, NL BRASS	12/12
648QG4	VALVE 1 PDQ, FULL PORT, NL BRASS	6/6
1/4 TURN ANGLE STOP VALVES		
648QG220A	VALVE 1/2 PDQ X 3/8 OD 1/4-TURN ANGLE STOP, NL BRASS	12/12
648QG220S	VALVE 1/2 PDQ X 3/8 OD 1/4- TURN STRAIGHT STOP, NL BRASS	12/12
648QGD220A	VALVE 1/2 PDQ X 3/8 OD 1/4-TURN DUAL ANGLE STOP, NL BRASS	12/12
SILLCOCKS		
119Q208	FROST PROOF SILLCOCK 1/4- TURN 8 IN LONG (LEADED BRASS)	5/5
119Q210	FROST PROOF SILLCOCK 1/4-TURN 10 IN LONG (LEADED BRASS)	5/5
ADD-A-LINE™		
601Q20V	ADD-A-LINE 1/2 PDQ X 1/4 OD COMPRESSION, NL COPPER	6/6
601Q21V	ADD-A-LINE 1/2 PDQ X 3/8 OD COMPRESSION, NL COPPER	6/6
601Q30V	ADD-A-LINE 3/4 PDQ X 1/4 OD COMPRESSION, NL COPPER	6/6
MANIFOLDS, 1" TRUNK, 3/4" PUSH X SPUN CLOSED		
672Q0490	MANIFOLD 3/4 PDQ X SPUN W/ 4 1/2 PDQ BRANCHES, NL COPPER	10/10
672Q0590	MANIFOLD 3/4 PDQ X SPUN W/ 5 1/2 PDQ BRANCHES, NL COPPER	10/10
672Q0690	MANIFOLD 3/4 PDQ X SPUN W/ 6 1/2 PDQ BRANCHES, NL COPPER	10/10
MANIFOLDS, 1" TRUNK, 3/4" PUSH X 3/4" X 3/4" PUSH		
672Q0499	MANI 3/4 PDQ X 3/4 PDQ W/ 4 1/2 PDQ BRANCHES, NL COPPER	10/10
672Q0599	MANI 3/4 PDQ X 3/4 PDQ W/ 5 1/2 PDQ BRANCHES, NL COPPER	10/10
672Q0699	MANI 3/4 PDQ 3/4 PDQ W/ 6 1/2 PDQ BRANCHES, NL COPPER	10/10
BUILD-A-MANI, STACKING MANIFOLD SECTION*		
641Q3Q32	MANI PIECE, 3/4 CTS X 3/4 PDQ, 1/2 BRANCH, NL COPPER	10/10
TRANSITION COUPLING ADAPTER*		
645Q2Q3	COUPLING, 1/2 CTS X 3/4 PDQ, NL COPPER	10/10
645Q3Q2	COUPLING 3/4 CTS X 1/2 PDQ, NL COPPER	10/10

* Not Yet Available for Sale

»» ENGINEER REPORT

WATER HAMMER CONTROL

THE SCIENCE / THE SOLUTION / THE SELECTION

- »» RESIDENTIAL MiniRester™
- »» COMMERCIAL HydraRester™
- »» INDUSTRIAL MegaRester™



WATER HAMMER CONTROL

»» An Explanation and Solution to Water Hammer

Water hammer can occur in any type of piping system— small, medium or large. Whether you are designing a residential condo project, a commercial office tower or an industrial laundry facility in a high-rise hotel, proper methods for water hammer control need to be employed during the design stages of construction. This Engineer Report will explain the physics of water hammer and the best methods of water hammer control for residential, commercial and industrial piping systems.



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Flowing water lines, like trains, are hard to stop quickly. While they can be stopped by a valve or faucet, the sudden stop no doubt results in a serious pressure surge. The analogy may seem extreme, yet the truth is every time a flowing water column is stopped abruptly, a small train wreck occurs in your water line. The longer the line, and the faster the flow, the more momentum the "train" will carry. Even though these collisions in your lines are small, their long-term effects can and will result in large-scale damage throughout the piping system.



The Science

» Explaining the Physics of Water Hammer

This section covers the physics of uncontrolled water hammer and its damaging effects as they pertain to any piping system. We also review the history of water hammer in plumbing systems, previous attempts to control water hammer, and why these methods failed.

What Is Water Hammer

The term “water hammer” is used to describe the pressure surges, audible noise and destructive forces associated with the transfer of kinetic energy into the piping system due to an abrupt change in velocity of a non-compressible fluid. For the purpose of this discussion, the non-compressible fluid is usually water, and the change in velocity usually occurs when the flowing water comes to a sudden and complete stop due to valve or faucet closure. Thus, in the equations below, the initial flowing velocity is always equal to the change in velocity. (Example: Initial flowing velocity is 8 feet per second and, when the flow is completely stopped, zero feet per second. The change in velocity is 8 - 0 or 8 fps, which is equal to the initial flowing velocity of 8 fps.)

The two main factors necessary to create water hammer in a piping system are the initial speed (velocity) of the flowing water and an abrupt change to this flowing water velocity. When a water column is stopped abruptly, the momentum force in the flowing water (kinetic energy) quickly transforms into a pressure rise within the pipe. The amount of force (KE ft/lbs) within the flowing water can be calculated by the formula for kinetic energy:

$$KE = \frac{1}{2} mv^2$$

When considering KE within a piping system, the mass (m) can be substituted with the physics characteristics of water within a cylindrical pipe (i.e., specific weight, cross-sectional area, length, plus gravitational constant). Velocity (v) is calculated in feet per second (fps), which can easily be converted from the known gpm and pipe size. For a plumbing or piping system, the kinetic energy formula can be expressed as this:

$$KE = .97 \times A \times L \times v^2$$

A = Cross sectional area of pipe I.D. in square feet

L = Length of effective pipe in feet

v = Velocity of flowing water in feet per second

Since we can calculate the kinetic energy, we can also calculate the actual “pressure rise” within a piping system by using Joukowsky’s Formula:

$$pr = wav / 144g$$

pr = Pressure rise above flow pressure (psig)

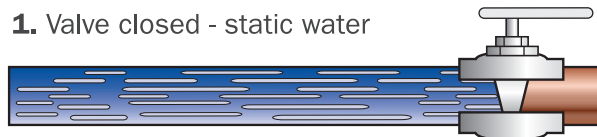
w = Specific weight of liquid (water = 62.4 lbs/ft³)

a = Velocity of pressure wave in feet per second (fps)
(4000 – 4500 fps in metal pipe)

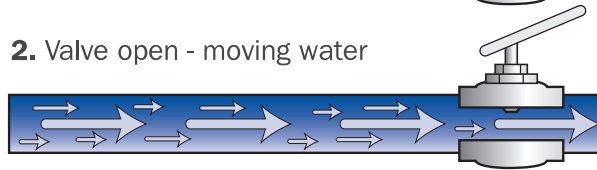
v = Change in flow velocity in feet per second (fps)

g = Gravitational constant (32.2 fps²)

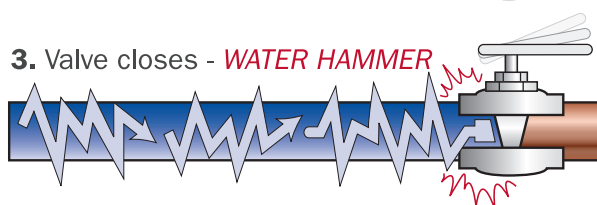
1. Valve closed - static water



2. Valve open - moving water



3. Valve closes - **WATER HAMMER**



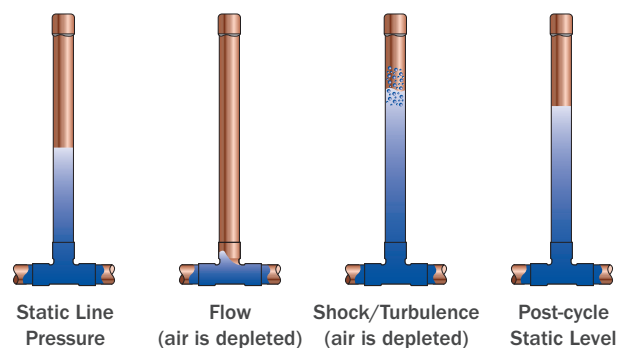
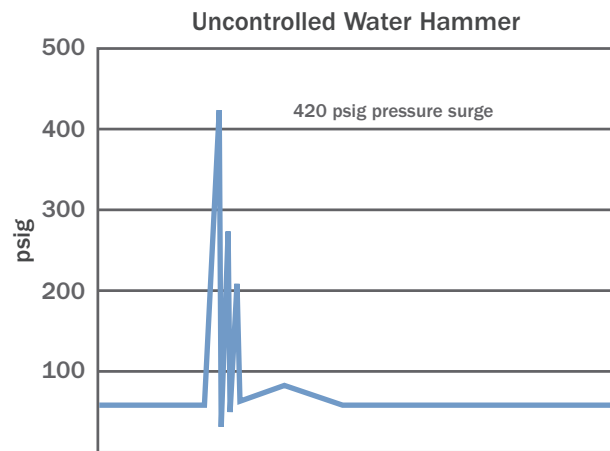
What is Water Hammer Continued

By plugging in the given factors on the previous page, the formula shows us that the pressure rise in metal pipe due to a sudden change in velocity is approximately 60 times the original flow velocity in feet per second. Thus, a common 1/2" supply line, flowing at 6 fps, can generate a pressure rise of 360 psig above and beyond the flow pressure itself (right). The resultant shock wave bounces back and forth within the supply line until it reaches a point of relief in a larger main where the initial velocity was much slower.

Within plastic pipe systems, such as PVC, CPVC, and PEX, the modulus of elasticity is much less than copper or steel pipe, and thus the velocity of the pressure wave is slower. This results in a lower pressure rise in plastic pipe versus metal pipe, given the same parameters. However, an equal amount of kinetic energy exists in both plastic and metal systems. So where does the energy go if it does not result in the same type of pressure rise? The answer is the excessive energy is absorbed into the plastic piping system by the instantaneous expansion of the pipe, fittings and appurtenances within the system. Historically, water hammer damage to the pipe itself is not the main concern, because the pipe can generally handle these expansions and contractions. Rather, it is the wide variety of fitting systems for plastic pipe (i.e., solvent weld, mechanical crimp, pinch clamps, expansion fittings, both made from brass and hard plastic) that are at risk.

WHY AIR CHAMBERS DON'T WORK

It used to be thought that an air chamber, or capped stand pipe, was an effective solution to controlling water hammer. However, within an air chamber, nothing separates the air from the water. It only takes a few short weeks before the air is absorbed into the water, leaving the air chamber waterlogged and completely ineffective. Laboratory tests confirm that the air is depleted by simple air permeation and by interaction between static pressure and flow pressure. In the diagram shown, (right) notice the difference in water level between "Static Line Pressure" and "Post-cycle Static Level."



Product Damage Due to Water Hammer

All valves, fittings and appurtenances in the shock wave's path feel the full brunt of this pressure rise each and every time the flow is abruptly stopped. It would be a big mistake to consider only the excessive pressure effects on the pipe itself, because the pipe is not a primary concern for failure. Rather, all other plumbing products within the system are at risk. Certainly, in due time, uncontrolled water hammer will cause premature failure in the following products:

WATER HEATERS
SAFETY RELIEF VALVES (T&P VALVES)
PRESSURE REDUCING VAVLES (PRVs)
BACKFLOW PREVENTERS
FAUCETS
SOLENOID VALVES
FITTINGS
HANGERS & BRACKETS

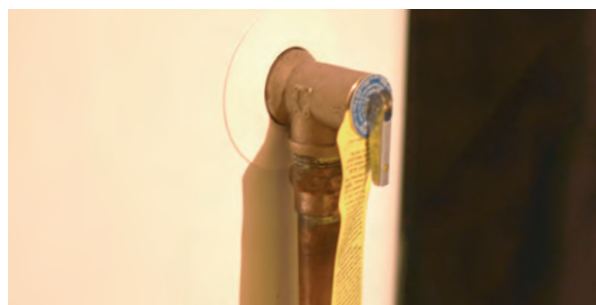
WATER HEATERS

Expansion and contraction caused by thermal changes has always been thought of as the main cause of tank failure. This may very well be true, but failure is exacerbated by water hammer. Although the evidence of water hammer damage is not as apparent, both residential and commercial water heaters fail prematurely from this excessive force. Repetitive shock waves traveling through the tank can eventually cause the tank lining to crack, leaving the steel tank exposed to rust and failure.



SAFETY RELIEF VALVES (T&P Valves)

Although the T&P is designed to relieve excess pressure, its simple spring design is not adequate to handle the rapid shock wave created by uncontrolled water hammer, which can come and go in a few milliseconds. The valve is left to absorb the damaging shock wave. On occasion, depending on the circumstances, the valve may "pop off" as a result of water hammer. However, this is not the intended purpose of this device, and could lead to failure when the safety feature is needed most.



Product Damage Due to Water Hammer Continued

PRESSURE REDUCING VALVES (PRVs)

Although PRVs are usually located at the opposite end of a quick-closing termination valve, the resultant shock wave will still affect a PRV. Repetitive shock waves can eventually damage the mechanics of the device, rendering it useless and allowing excessive main pressure to pass. Water hammer has also been known to crack the brass castings and seats of the device.



BACKFLOW PREVENTERS

Just like PRVs, backflow preventers are subject to the same water hammer problems. However, the damage and problems can be more complicated and costly with BFPs. Excess water hammer pressure downstream is inconveniently dumped by the BFPs relief valves each and every time a shock wave is created.



FAUCETS

Of course, faucets are susceptible to damage from the water hammer created by their own quick-closing design. Expensive faucet cartridges have been known to fail or even crack in half due to water hammer.



SOLENOID VALVES

Electronic solenoid valves in both residential and commercial clothes washers, dishwashers and ice makers are very susceptible to water hammer damage. The solenoid valve is usually the first (and by far the most common) part to be replaced on these appliances. Solenoid valves are now prominent on commercial flush valves and lav faucets. Do not be fooled by some manufacturers' claims of "slow-closing" solenoid valves. For both regular and slow-closing valves, the speed of closure and subsequent change in flow is still very abrupt and destructive.



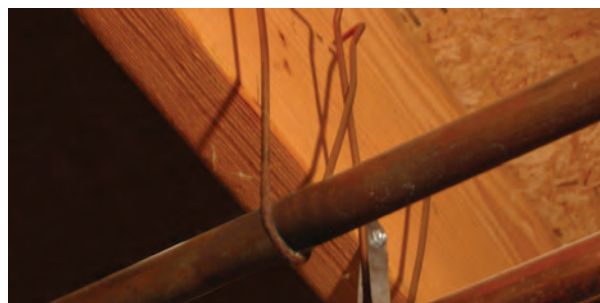
FITTINGS


Solvent weld fittings for PVC and CPVC systems, as well as various mechanical joint systems for PEX pipe, are especially vulnerable to water hammer damage. Water hammer puts undue stress on directional fittings in two ways. First, the excess internal pressure can easily exceed the ASTM pressure rating for the system. Second, water hammer often causes pipe movement, which results in external stress on tees and elbows.



HANGERS & BRACKETS

Uncontrolled water hammer is by far the primary cause of loose pipe hangers and failed pipe support systems. This causes additional noise from loose rattling pipes and sometimes total pipe failure when hangers are completely dislodged.





The most efficient and widely used type of arrester is the piston style. Its simplicity of design is cost efficient to produce, yet few moving parts assures high quality and longevity.

The Solution

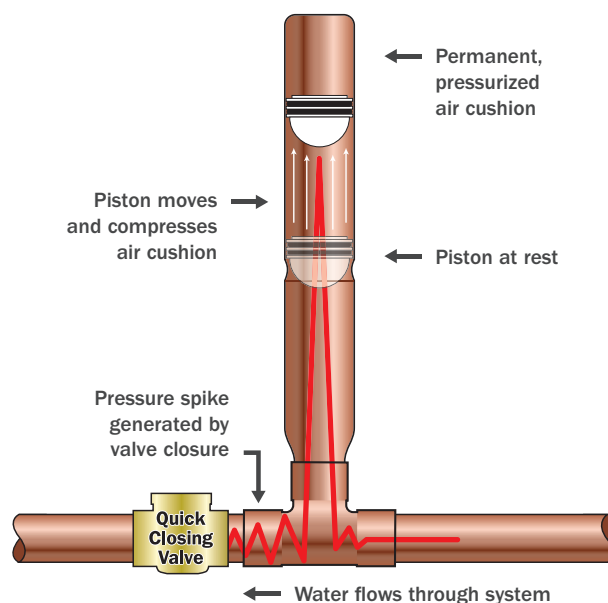
»» Exploring the Solution to Water Hammer

This section discusses the best method of water hammer control by means of an engineered water hammer arrester. It also covers the three common sizing and placement methods used in the plumbing industry for residential, commercial, and industrial applications, along with the applicable codes and standards.

Controlling Water Hammer

The most effective means of controlling water hammer is the installation of an engineered water hammer arrester. An engineered arrester employs a measured, compressible cushion of air or gas which is permanently separated from the water. When a valve closes abruptly, the moving water column is displaced up into the arrester, compressing the permanent air charge until all the momentum of the moving water is safely dissipated, allowing the column to slow down calmly, preventing the development of water hammer.

Historically, manufacturers have employed a rubber diaphragm, a metal bellows or a piston with o-rings to separate the air from the water. Although all of these types of devices have been around for many years, the most efficient and widely used type of arrester is the piston style. Its simplicity of design is cost efficient to produce, yet few moving parts promote high quality and longevity.



ASSE Testing and Certification

To ensure quality, the arrester product standard most widely specified by engineers worldwide is ASSE 1010. The American Society of Sanitary Engineering (ASSE) requires rigorous testing and annual factory quality audits in order for the manufacturer to display the ASSE Certification on their arresters. In addition, national model codes in the USA and Canada require ASSE 1010 Certification on any arrester installed.



Methods of Sizing

Three different methods of sizing are outlined below for each industry segment. Choose the sizing method most appropriate for your project and refer to the following pages for more details on that method.

RESIDENTIAL



Single-Fixture & Private Plumbing Groups

Applications: Not just for homes. Plumbing fixtures in homes, duplexes, apartments, condominiums, motels, hotels and military housing.

Sizing / Placement

Guideline: One size fits all. Point-of-use AA size arrester on both hot and cold lines. Place on dishwashers, washing machines and tub/shower valves.



Dishwasher Laundry Tub/Shower

Arrester Group: Any ASSE 1010 Certified AA size arrester. Various connection size and type are for installer's convenience.



MIP Laundry Tub/Shower

COMMERCIAL

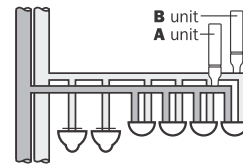


Multi-fixture Plumbing Groups

Applications: Plumbing fixtures in office buildings, retail, schools, hospitals, correctional facilities and public buildings.

Sizing / Placement

Guideline: The properly sized arrester corresponds to the total number of fixture units on each hot and cold branch line. Place each arrester at end of the branch line.

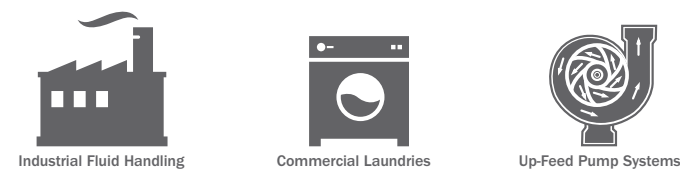


Arrester Group: Any ASSE 1010 Certified A, B, C, D, E, or F size arrester. Various connection size and type are for the installer's convenience.



A B C D E F

INDUSTRIAL



Large Industrial Piping Systems

Applications: Industrial equipment, food processing, commercial laundry, up-feed pump systems, irrigation and waste treatment systems.

Sizing / Placement

Guideline: To size an arrester for industrial applications, use the Industrial Equation, custom sizing the arrester given the system information of a particular project. A computer spreadsheet version of this equation is also available.



Arrester Group: Large industrial size arresters, 200-400 cubic inch size.



Residential & Commercial Model Code Requirements

Both UPC and IPC model codes, and now the National Plumbing Code of Canada, all require the installation of ASSE 1010 Certified Water Hammer Arresters on all quick-closing valves to control water hammer in both residential and commercial plumbing applications.



2012 UNIFORM PLUMBING CODE (UPC/IAPMO)

609.10 Water Hammer: All building water supply systems in which quick-acting valves are installed shall be provided with devices to absorb the hammer caused by high pressures resulting from the quick closing of these valves. These pressure-absorbing devices shall be approved mechanical devices. Water pressure-absorbing devices shall be installed as closely as possible to quick-acting valves. 609.10.1 Mechanical Devices: When listed mechanical devices are used, the manufacturer's specifications as to location and method of installation shall be followed.

IPC

2012 INTERNATIONAL PLUMBING CODE (IPC/ICC)

604.9 Water hammer: The flow velocity of the water distribution system shall be controlled to reduce the possibility of water hammer. A water-hammer arrestor shall be installed where quick-closing valves are utilized. Water-hammer arrestors shall be installed in accordance with the manufacturer's specifications. Water-hammer arrestors shall conform to ASSE 1010.



NATIONAL PLUMBING CODE OF CANADA 2010 (NPC/NRCC)

A-2.6.1.9.(1) Water Hammer Prevention. Water hammer is a buildup of pressure in a length of horizontal or vertical pipe that occurs when a valve or faucet is closed suddenly. The longer the pipe and the greater the water velocity, the greater the pressure exerted on the pipe, which can be many times the normal static water pressure and be sufficient to damage the piping system. Since air chambers made from a piece of vertical pipe do not provide acceptable protection, pre-manufactured water hammer arrestors are required to address this potential problem. 2.2.10.15. (1) Water Hammer Arresters. Water hammer arresters shall conform to ASSE 1010.

NOTE: The three model codes above make no exception to their arrester requirements for various piping materials. Both plastic and metal piping systems are required to have water hammer arresters installed to protect not only the pipe itself, but all fittings, valves and appurtenances that would otherwise be adversely affected by uncontrolled water hammer.

Residential Installation Guide

To control water hammer in most residential applications, install ASSE 1010 Certified AA size water hammer arresters on both the hot and cold supply lines serving washing machines, dishwashers, ice makers and quick-closing tub/shower valves to satisfy the minimum requirements of all model codes. Arresters should be installed within six feet of each culprit valve, and can be installed at any angle. All AA size arresters that are ASSE Certified are equal in arrester capacity, regardless of connection size and type. The various AA arrester connection types are simply for the convenience of the installer.



Recommended



Dishwasher



Laundry



Tub/Shower



Ice Maker

Use as Needed



Lav/Sink



Toilet Ballcock

» Placement

Arresters should be installed within six feet of each culprit valve, and can be installed at any angle.

Access Boxes With Integral Arresters

In addition to the many connection types, ASSE Certified AA arresters are also available as integral parts of the supply valves installed in access boxes, such as laundry and ice maker boxes. These products make installation simple and easy for the plumber because the arresters are already the right size and factory installed in the right place for the application.

For the same reasons, they make code enforcement simple for the plumbing inspector. When access boxes with integral arresters are installed, the correct size and placement of the arresters is accomplished every time.



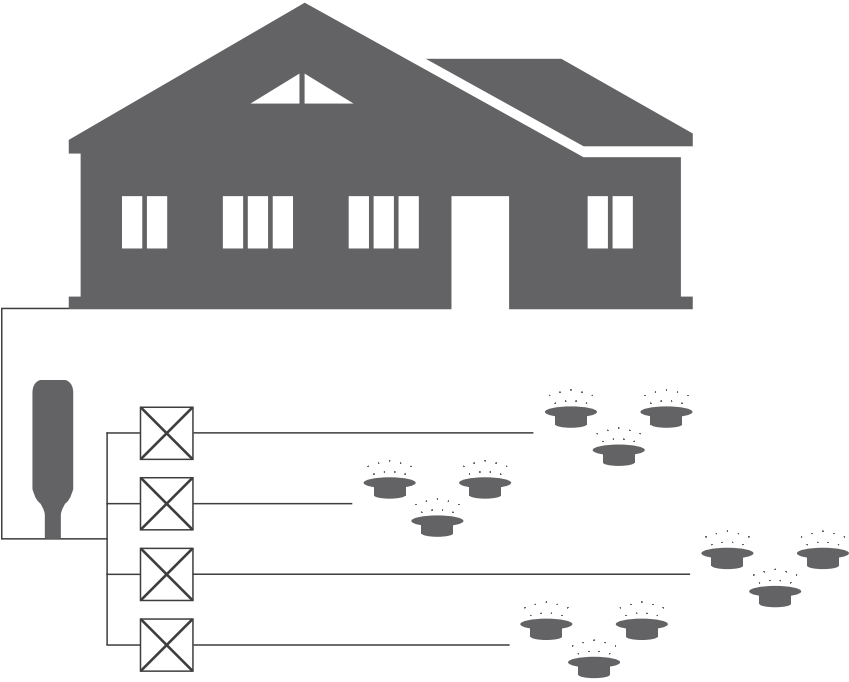
Residential Irrigation

Zone valves in residential lawn sprinkler systems are common culprits of severe water hammer. This uncontrolled pressure surge can be very damaging not only to the sprinkler system components but also to the backflow preventer and other components of the plumbing system.

To prevent water hammer, install the specified ASSE 1010 Certified arrester within six feet of the zone valve or group of valves:

On 3/4" service line:
One B size arrester

On 1" service line:
One C size arrester



Commercial Installation Guide

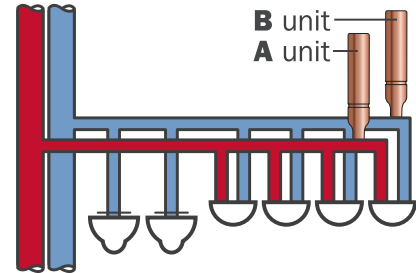
For water hammer control in commercial plumbing applications, such as water closets, urinals and lavs in public restrooms, use the following sizing and placement guidelines based on fixture units.

DETERMINING ARRESTER SIZE BY FIXTURE UNITS

The National Plumbing Code offers this definition of fixture unit: “A fixture-unit is a quantity in terms of which the load producing effects on the plumbing system of different kinds of plumbing fixtures are expressed on some arbitrarily chosen scale.” The fixture unit values shown in Table 1 below represent the standard ratings used by engineers to size water distribution systems as well as water hammer arresters. “Public” fixtures, as referred to in Table 1 below, are fixtures found in public rest rooms, office buildings and other places where each fixture is open and accessible for use at all times.

MULTIPLE FIXTURE BRANCH LINES

On many types of applications, a single arrester must serve multiple fixtures. In these cases, the total fixture units should be determined for all fixtures served by the branch line where the arrester is to be placed. Once the fixture units for the branch line have been totaled, choose the appropriate arrester by matching fixture units in the table (below) to the arrester size with the corresponding fixture unit capacity. If the total number of fixture units has a fraction, it should be rounded to the next largest whole number. In addition, if the flow pressure at the fixture exceeds 65 psig, the next largest size water hammer arrester should be used.



ARRESTER PLACEMENT ON MULTI-FIXTURE BRANCH LINES

Once the correct size arrester has been determined, the final concern is placement of the arrester within the system. Arrester placement depends on the length of the branch line on which the arrester is to be installed, which can be divided into two cases which are described below:

BRANCH LINES OF 20 FEET OR LESS (See Figure 1)

Place arrester at the end of the branch line within 6 feet of the last fixture served, as illustrated on page 15.

BRANCH LINES OVER 20 FEET (See Figure 2)

Calculate fixture units for each 20-foot section separately and place an arrester at the end of each 20-foot section (within 6 feet of the last fixture served in that section) as illustrated in Figure 2 on page 15.

TABLE 1

FIXTURE	TYPE OF SUPPLY CONTROL	FIXTURE UNITS					
		PUBLIC			PRIVATE		
		TOTAL	C.W.	H.W.	TOTAL	C.W.	H.W.
Water Closet 1.66 PF	Flush Valve	8	8	-	5	5	-
Water Closet 1.66 PF	Flush Tank	5	5	-	2.5	2.5	-
Pedestal Urinal 1.06 PF	Flush Valve	4	4	-	-	-	-
Stall or Wall Urinal	Flush Valve	4	4	-	-	-	-
Stall or Wall Urinal	Flush Tank	2	2	-	-	-	-
Lavatory	Faucet	2	1-1/2	1-1/2	1	1	1
Bathtub	Faucet	4	2	3	2	1-1/2	1-1/2
Shower Head	Mixing Valve	4	2	3	2	1	2
Bathroom Group	Flush Valve Closet	-	-	-	8	8	3
Bathroom Group	Flush Tank Closet	-	-	-	6	6	3
Separate Shower	Mixing Valve	-	-	-	2	1	2
Service Sink	Faucet	3	3	3	-	-	-
Laundry Tubs (1-3)	Faucet	-	-	-	3	3	3
Combination Fixture	Faucet	-	-	-	3	3	3
Clothes Washer	Solenoid Valves	-	-	-	4	3	3
Dishwasher	Solenoid Valve	-	-	-	1.5	-	1.5
Ice Maker	Solenoid Valve	-	-	-	1	1	-

TABLE 2

ARRESTER SIZE	AA	A	B	C	D	E	F
FIXTURE UNITS	1-4	5-11	12-32	33-60	61-113	114-154	155-330



FIGURE 1

If 20ft or less, place one arrester 6ft or less from the end of the run.



FIGURE 2

If more than 20ft, place arrester at the end of each 20-foot section, within 6ft of the end of that section.

Industrial Installation Guide

©1996 Sioux Chief Manufacturing

The formula below was developed by Sioux Chief as an alternative method of sizing the necessary arrester capacity for large commercial and industrial applications. In these situations, the formula shown below can be used to select the correct size arrester for any given system.

$$C = \frac{1.5 \times L \times V^2}{D^2 \times (P_f + 14.7) \times Y}$$

- L** = Effective pipe length (in feet)
- V** = Change in Velocity (in gallons per minute)
- D** = I.D. of pipe (in inches)
- P_f** = Flow pressure (PSIG)
- Y** = A function of P_{ma}/P_{fa} (see graph on following page)
- P_m** = Maximum allowable pressure (PSIG)
- C** = Required arrester capacity (in cubic inches)

EXAMPLE

Description of System

L Length of pipe = 200 feet. This is the effective pipe length of the branch line serving the hammering valve. This is where the energy is. As the same flow goes through larger pipes, such as the main trunk line, the energy calculates to be very low and inconsequential.

V Change in velocity = 120 gpm. We can usually assume that our initial flow rate (120 gpm) is equal to the change in velocity, because when we shut off a valve completely, the resultant velocity is always 0. Thus, 120 - 0 = 120. However, if the valve does not completely shut off, and the velocity changes from 120 gpm to 40 gpm, V would then equal 120 - 40 = 80 gpm. This is the most critical factor in the formula, and usually the most difficult to get on an existing installation.

D Pipe size = 3". Try to use the actual I.D. of the pipe if possible. The nominal size of the pipe will get you close to the right answer, but the actual I.D. size will be more accurate.

P_f Flow pressure = 60 psig. This variable is the gauge pressure at the valve when the valve is on. In the formula, we add 14.7 psi (atmospheric pressure) to the gauge pressure to convert it to absolute or **P_{fa}**.

P_m Maximum allowable pressure = 150 psi. This variable represents the pressure to which the sized arrester will limit the shock. It can vary depending on input from the plumber or yourself, but 150 psig is generally used because most plumbing equipment is rated at 150 psig. Also we have observed little or no water hammer noise at this level. In the formula, we add 14.7 psi (atmospheric pressure) to the gauge pressure to convert it to absolute or **P_{ma}**.

FORMULA CALCULATIONS

First we should calculate for the Y Factor. This variable answers the question "What is the maximum allowable pressure in relationship to the flow pressure? Is it twice as much?" To determine this you must divide the maximum allowable pressure (remember to add 14.7 to convert **P_m** to **P_{ma}**) by the flow pressure (remember to add 14.7 to convert **P_f** to **P_{fa}**).

$$P_{ma} / P_{fa} = (150 + 14.7) / (60 + 14.7) = 2.2$$

$$P_{ma} / P_{fa} = 2.2$$

Next, look at the graph (on following page) and find the intersection of **2.2** and the **Y** curve. Follow that point straight down to the X axis to read **35**. In this example, **Y = 35**.

Now that you have all the variables, do the original calculation:

$$C = \frac{1.5 \times 200 \times 120^2}{3^2 \times (60 + 14.7) \times 35}$$

$$C = 184 \text{ in}^3$$

ARRESTER SIZING

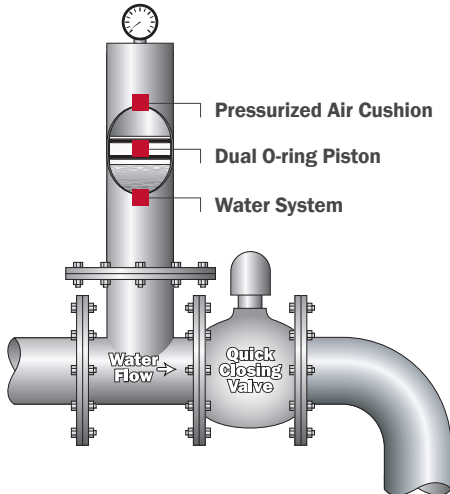
Choose an arrester that is equal to or larger than the necessary capacity in your calculation. In this example, a 200 cubic inch industrial arrester is the correct choice.

ARRESTER PLACEMENT

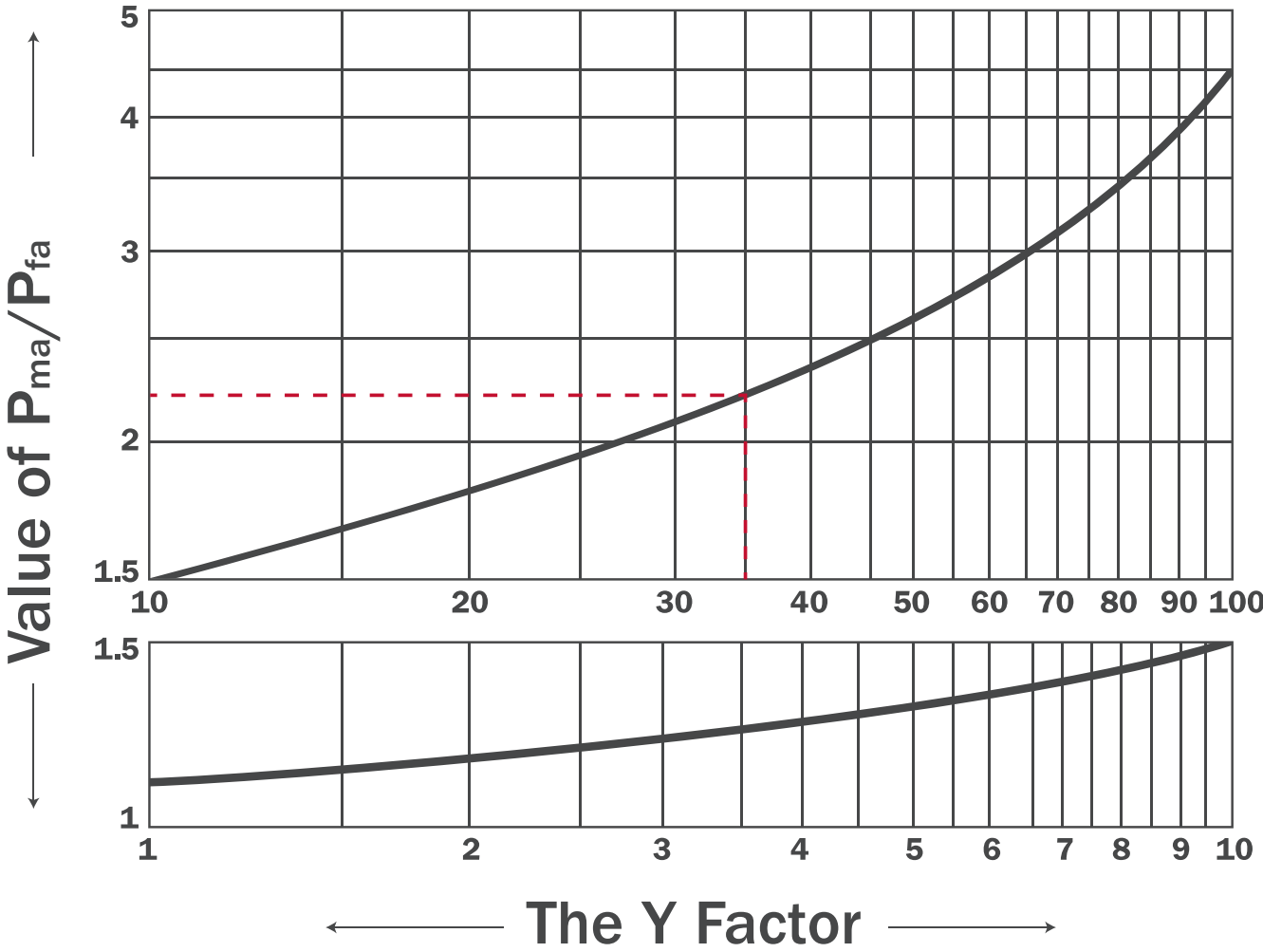
Place arrester on supply side of culprit valve within the last 5% of supply line to the valve. In this example, place arrester within 10 feet of the valve.

- L = Effective pipe length (in feet)
- V = Change in Velocity (in gallons per minute)
- D = I.D. of pipe (in inches)
- P_f = Flow pressure (PSIG)
- Y = A function of P_{ma}/P_{fa} (see graph below)
- P_m = Maximum allowable pressure (PSIG)
- C = Required arrester capacity (in cubic inches)

$$C = \frac{1.5 \times L \times V^2}{D^2 \times (P_f + 14.7) \times Y}$$



➤➤ **After Placement**
 The pressurized air cushion is permanently separated with a dual o-ring piston from the water system.





The Selection

» Exploring the Selection of Water Hammer Arresters

This chapter will explain why the Sioux Chief line of residential, commercial and industrial water hammer arresters is the number one arrester selected by engineers and specifiers throughout North America and around the world.

Sioux Chief Arresters

Sioux Chief Mfg. leads the plumbing industry in the development and manufacture of water hammer arresters for any and all applications.

Piston Design. Simplicity of design allows for the highest quality and longest life of any arrester type. Endurance tested to 500,000 cycles without failure.

Made in America. All arresters are manufactured in the USA, utilizing all-American copper and brass materials.

Green Footprint. 100% recyclable copper and brass, sourced from the Midwest, efficiently produced and distributed from the Heart of America, creates the smallest carbon footprint of any arrester brand on the market.

Connection Options. Sioux Chief's unique ability to provide a wide variety of connection options saves the installer time and money, while eliminating costly transition joints. Integral arrester connection types are designed specifically for the type of piping system used.

Certified. Arresters are certified by ASSE to the ASSE 1010 Standard, satisfying the requirements of all model codes. ASSE performs yearly factory audits to ensure their high-quality standards are maintained.

Expertise. Sioux Chief has experts on staff with computer software to help you with new project sizing, as well as troubleshooting existing installations.

Acceptance. Millions of Sioux Chief arresters have been specified and installed throughout the country and around the world over the past 25 years.

RESIDENTIAL MiniRester™



COMMERCIAL HydraRester™



INDUSTRIAL MegaRester™



MiniRester

All MiniResters are approved for sealed wall installations with no access panel required, and are certified by ASSE as AA size to the ANSI/ASSE 1010-2004 Standard. MiniResters may be installed at any angle.

STRAIGHTS

- Straight sweat arresters are compatible with press-fitting systems, such as Viega ProPress™ and all push-fitting systems
- Straight compression arresters install on any 1/2" nom. copper leg or riser. Especially popular in retrofitting 1/2" nom. air chambers
- MIP thread arresters install on any new rough-in or retrofit installation with 1/2" FIP fittings
- CPVC solvent weld arresters install on 1/2" CPVC tube or fittings in rough-in or retrofit applications
- PEX MiniResters are available with F1807, F1960 and Viega PexPress connections
- All 660-G Series MiniResters use brass components certified as no-lead. MiniResters made with copper and plastic components only are naturally no lead compliant

TEES

- Full-slip tee sweats install in-line on 1/2" CTS near the problem valve or fixture
- Hose tee arresters install on washing machine supply valves or directly to washing machine

TUB/SHOWER TEES

- Sweat branch arresters install easily on sweat tub/shower valves
- FIP swivel thread arresters install on MIP tub/shower valves. No more heat damaged cartridges from soldering the valve

PEX TEES

- ASTM F1807 PEX Tee†
- ASTM F1960 PEX Tee†

COMPRESSION TEES

- Install in-line on ice maker lines, lav or dishwasher supply tubes

FEMALE COMPRESSION TEE

- Installs either between stub out and supply stop, or between supply stop and supply tube for faucets, dishwashers, toilets or ice makers

† Note on ASTM PEX Fitting Standards:

ASTM F 1807: PEX Barb Insert Fittings Utilizing a Copper Crimp Ring.

ASTM F 1960: PEX Cold Expansion Fittings Utilizing a PEX Compression Ring.

ITEM NO.	DESCRIPTION	NO LEAD	PKG.	MIN. QTY.	CASE QTY.
STRAIGHT					
660-SB	1/2" Male Sweat	✓	B	50	50
660-S	1/2" Male Sweat, Clamshell	✓	C*	6	6
660-3SB	3/4" Male Sweat	✓	B	50	50
660-GCB	5/8" O.D. Compression Straight	✓	B	50	50
660-GC	5/8" O.D. Compression Straight, Clamshell	✓	C*	6	6
660-G2B	1/2" MIP Thread	✓	B	50	50
660-G2	1/2" MIP Thread, Clamshell	✓	C*	6	6
660-V2B	1/2" CPVC Socket	✓	B	50	50
660-V82B	1/2" Male CPVC	✓	B	50	50
660-V82	1/2" Male CPVC, Clamshell	✓	C*	6	6
660-X2B	1/2" F1807 PEX, Straight	✓	B	50	50
660-GVPX2B	1/2" Viega PEX Press	✓	B	50	50
660-WG2B	1/2" F1960 PEX	✓	B	50	50
ITEM NO.	DESCRIPTION	NO LEAD	PKG.	MIN. QTY.	CASE QTY.
SWEAT TEE					
660-T22	1/2" Full-slip Female Sweat Tee	✓	B	25	25
660-HB	3/4" Female Swivel Hose Thread × 3/4" Male Hose Thread Tee		B	25	25
660-H	3/4" Female Swivel Hose Thread × 3/4" Male Hose Thread Tee, Clamshell		C*	6	6
660-TKB	Female Swivel Ballcock Nut × Male Ballcock Thread Tee		B	25	25
660-TK	Female Swivel Ballcock Nut × Male Ballcock Thread Tee, Clamshell		C*	6	6
TUB/SHOWER TEE					
660-TS	1/2" Male Sweat Open End Branch × 1/2" Female Sweat Tee	✓	B	25	25
660-TS8	1/2" × 8" Stub Out × 1/2" Female Sweat Tee	✓	B	25	25
660-TS88	1/2" × 8" Double Stub Out × 1/2" Female Sweat Tee	✓	B	25	25
660-TSX	1/2" Male Sweat × 1/2" PEX F1807 Crimp Tee	✓	B	25	25
660-TSX88	1/2" × 8" Double Stub Out × 1/2" F1807 PEX Tee	✓	B	25	25
ITEM NO.	DESCRIPTION	NO LEAD	PKG.	MIN. QTY.	CASE QTY.
PEX TEE					
660-GTW2B	1/2" PEX Cold Expansion Tee F1960	✓	B	25	25
660-GTX2B	1/2" PEX Crimp Tee F1807	✓	B	25	25
660-GTX2	1/2" PEX Crimp Tee F1807, Clamshell	✓	C*	6	6
COMPRESSION TEE					
660-GTC0B	1/4" O.D. Compression Tee For Ice Maker Tube	✓	B	25	25
660-GTC0	1/4" O.D. Compression Tee For Ice Maker Tube, Clamshell	✓	C*	6	6
660-GTC1B	3/8" O.D. Compression Tee For Supply Tube	✓	B	25	25
660-GTC1	3/8" O.D. Compression Tee For Supply Tube, Clamshell	✓	C*	6	6
660-GT	5/8" O.D. Compression Tee, No Lead For 1/2" Nom Coppertube, Clamshell	✓	C*	6	6
660-GTB	5/8" O.D. Compression Tee, No Lead For 1/2" Nom Coppertube, Bulk	✓	B	25	25
FEMALE COMPRESSION TEE					
660-GTR0B	1/4" O.D. Comp. × 1/4" O.D. Female Comp.	✓	B	25	25
660-GTR0	1/4" O.D. Comp. × 1/4" O.D. Female Comp., Clamshell	✓	C*	1	6
660-GTR1B	3/8" O.D. Comp. × 3/8" O.D. Female Comp.	✓	B	25	25
660-GTR1	3/8" O.D. Comp. × 3/8" O.D. Female Comp. No Lead, Clamshell	✓	C*	6	6
660-GTRB	5/8" O.D. Comp × 5/8" O.D. Female Comp.	✓	B	25	25
660-GTR	5/8" O.D. Comp. × 5/8" O.D. Female Comp. No Lead, Clamshell	✓	C*	6	6

Packaging Codes || B: bulk C: cut-case box *:individually bar coded



HydraRester

Acceptance. The HydraRester has been specified and installed more than any other arrester model, making it the leading arrester in the country and around the world.

Certified. The American Society of Sanitary Engineering has certified the HydraRester to the ANSI/ASSE1010-2004 Standard.

Tested. HydraRester has been cycle tested at U.S. Testing Laboratories to withstand 10,000 shock cycles. Factory tested to withstand 500,000 cycles without failure (654-C tested).

Healthcare. Copper is well known for its antimicrobial properties. Plus, the HydraRester's piston design eliminates the possibility of stagnant water columns that can create ideal conditions for bacterial growth such as legionella.

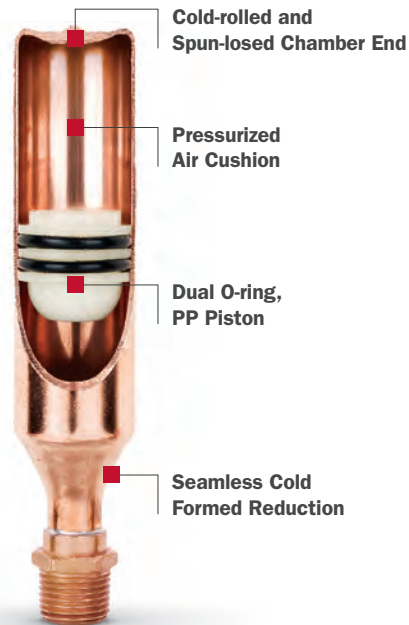
Green. The HydraRester is made from 100% recyclable copper, sourced right here in the Midwest. Combined with Sioux Chief's automated production efficiencies, it gives the HydraRester the lowest carbon footprint of any arrester on the market.

Compatible. HydraRester is available in four connection options – MIP, Sweat, PEX or CPVC – saving the installer time and money. HydraRester male sweat fittings are compatible with press-fitting systems, such as Viega ProPress™, and all push-fitting systems.

Compact Size. Allows for installation in a 2 x 4 wall cavity.

Installation Angle. May be installed at any angle.

Sealed Wall Installation. Approved for installation with no access panel required.



ITEM NO.	CONN. SIZE	UNIT SIZE	DIMENSIONS LENGTH/WIDTH		FIXTURE UNIT VALUE	CUBIC INCH VOLUME	$\frac{1}{160}$	PKG.	MIN. QTY.	CASE QTY.
MIP THREAD										
652-A	1/2"	A	6 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-B	3/4"	B	8 3/4"	1 3/8"	12-32	7	✓	B	1	16
654-C	1"	C	11"	1 3/8"	33-60	11	✓	B	1	16
655-D	1"	D	10 1/8"	2 1/8"	61-113	20	✓	B	1	4
656-E	1"	E	12 5/8"	2 1/8"	114-154	29	✓	B	1	4
657-F	1"	F	15 1/8"	2 1/8"	155-330	36	✓	B	1	4
MALE SWEAT/PRESS FITTING										
652-AS	1/2"	A	8 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-BS	3/4"	B	10"	1 3/8"	12-32	7	✓	B	1	16
654-CS	1"	C	12 1/2"	1 3/8"	33-60	11	✓	B	1	16
655-DS	1"	D	11"	2 1/8"	61-113	20	✓	B	1	4
656-ES	1"	E	13 1/2"	2 1/8"	114-154	29	✓	B	1	4
657-FS	1"	F	16"	2 1/8"	155-330	36	✓	B	1	4
CPVC SOCKET ASTM D 2846 †										
652-AC	1/2"	A	7 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-BC	3/4"	B	9 1/2"	1 3/8"	12-32	7	✓	B	1	16
654-CC	1"	C	12"	1 3/8"	33-60	11	✓	B	1	16
PEX CRIMP ASTM F1807 †										
652-AX	1/2"	A	6 1/2"	1 3/8"	1-11	5	✓	B	1	16
653-BX	3/4"	B	8 3/4"	1 3/8"	12-32	7	✓	B	1	16
654-CX	1"	C	11"	1 3/8"	33-60	11	✓	B	1	16

† NOTE: PEX and CPVC connection specifications are limited to those called out in their respective ASTM Standards for Fittings.

Packaging Codes || B: bulk C: cut-case box *:individually bar coded



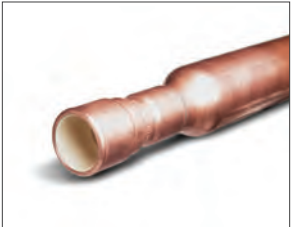
Connection Types



Sweat/Press Fitting



MIP



CPVC



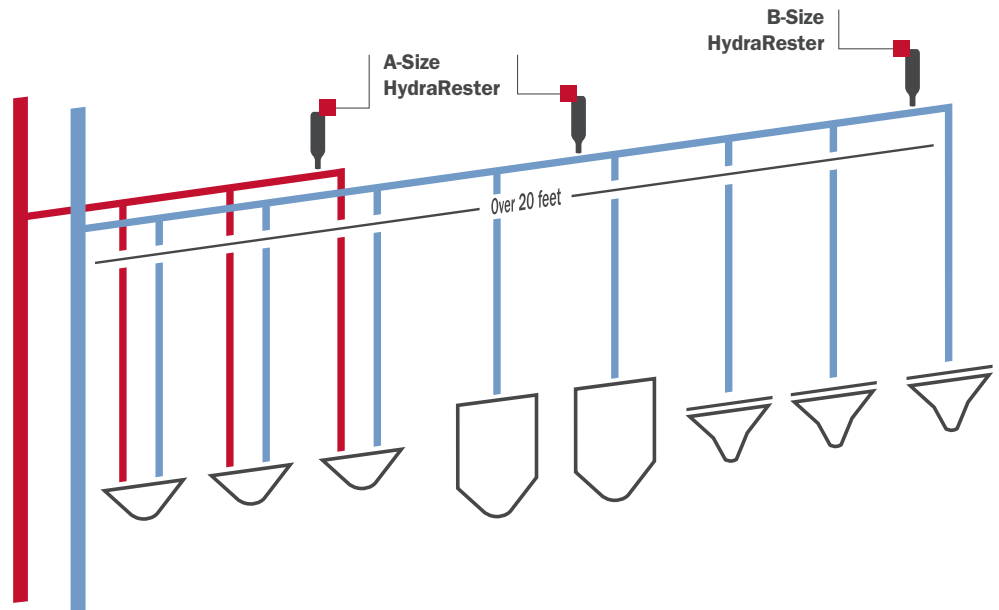
PEX

3.3 Commercial Arresters

Cold Water - First Half
 3 Lavs= 4 1/2 FU
 1 Urinal= 4 FU
 TOTAL= 8 1/2 FU
 Requirement= A-Size

Cold Water - Second Half
 1 Urinal= 4 FU
 3 Water Closets= 24 FU
 TOTAL= 28 FU
 Requirement= B-Size

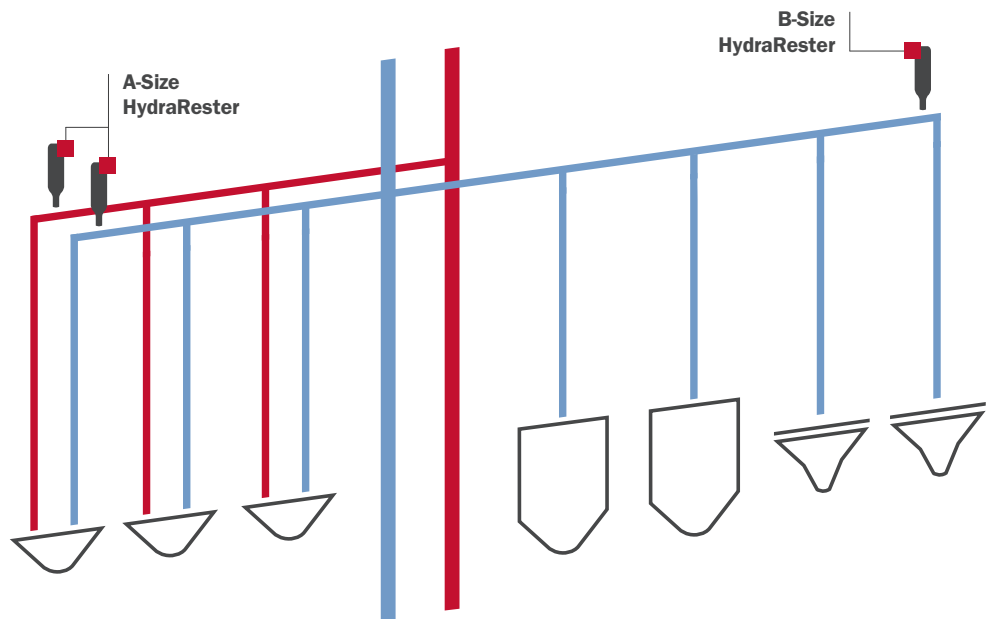
Hot Water
 3 Lavs= 4 1/2 FU
 Requirement= A-Size



Cold Water Right
 2 Water Closets= 16 FU
 2 Urinal= 8 FU
 TOTAL= 24 FU
 Requirement= B-Size

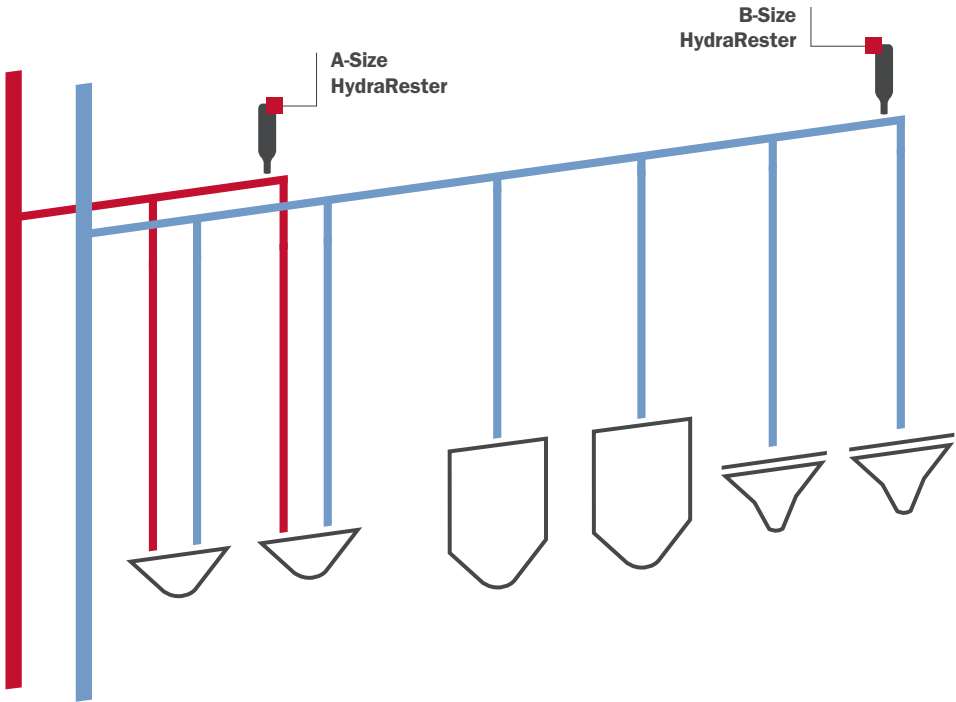
Cold Water Left
 3 Lavs= 4 1/2 FU
 Requirement= A-Size

Hot Water
 3 Lavs= 4 1/2 FU
 Requirement= A-Size



Cold Water
 2 Water Closets= 16 FU
 2 Urinal= 8 FU
 2 Lavs= 3 FU
 TOTAL= 27 FU
 Requirement= B-Size

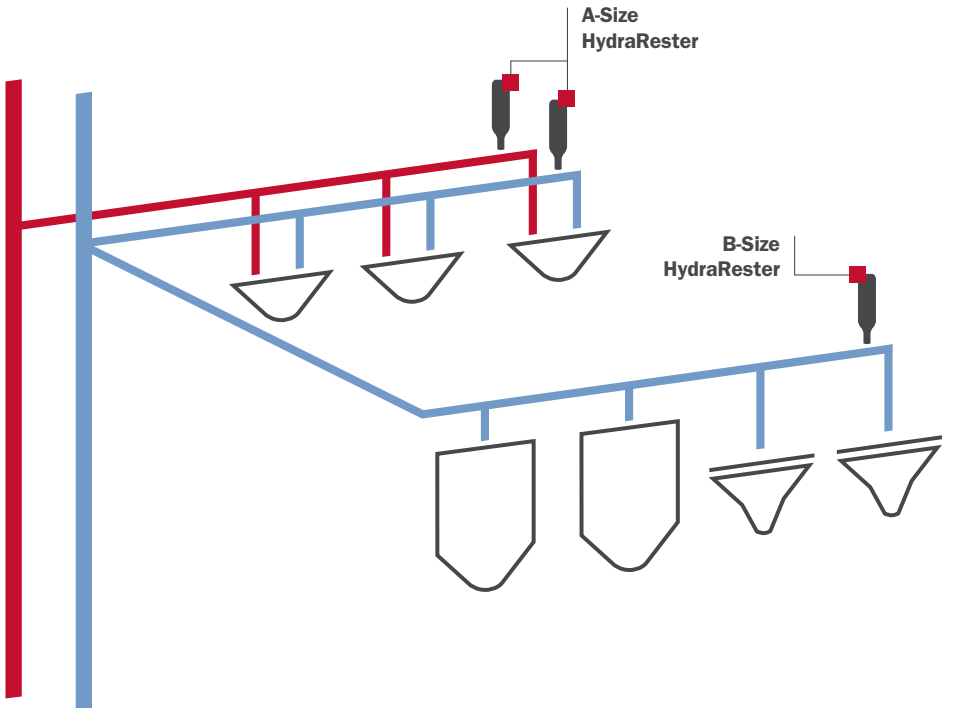
Hot Water
 2 Lavs= 3 FU
 Requirement= A-Size



Cold Water Right
 2 Water Closets= 16 FU
 2 Urinal= 8 FU
 TOTAL= 24 FU
 Requirement= B-Size

Cold Water
 3 Lavs= 4 1/2 FU
 Requirement= A-Size

Hot Water
 3 Lavs= 4 1/2 FU
 Requirement= A-Size



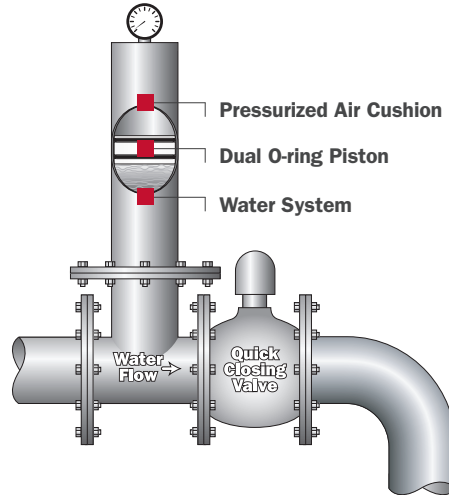
MegaRester

Industrial Applications. Perfect for industrial equipment, commercial laundry equipment, food-processing, irrigation and waste-treatment systems.

Choice of Tube Wall Material. Available in copper or 316 stainless steel for any application.

Adjustable Onsite. Liquid-filled gauge and air filler valve for jobsite charging.

Customized Per Application. Fit your specific job requirements. Call Sioux Chief for custom, expert sizing and placement recommendations.



COPPER

- Dual o-ring piston lubricated with Dow 111 FDA-approved silicone compound
- Cast brass flange or wrought copper male thread fitting with lead-free solder joints
- 4" nominal Type L copper tube barrel
- 600-lb. (40-bar) liquid filled gauge
- Factory air charge

STAINLESS STEEL

- Dual O-ring piston lubricated with Dow 111 FDA-approved silicone compound
- Welded stainless steel flange or male thread fitting
- 4.25" O.D. 316 stainless steel barrel
- 600 lb. (40 bar) liquid filled gauge
- Factory air charge

ITEM NO.	CONNECTION SIZE AND TYPE	VOLUME (IN ³)	HEIGHT (IN)	PKG.	MIN. QTY.	CASE QTY.
COPPER						
658-1503	3" MIP (ANSI B1.20.1)	150	23.25	B	1	1
658-2002	2" MIP (ANSI B1.20.1)	200	29.25	B	1	1
658-2004	4" MIP (ANSI B1.20.1)	200	24.50	B	1	1
658-4004	4" MIP (ANSI B1.20.1)	400	40.50	B	1	1
658-4004F2	4" Class 150 Flange (ANSI B16.24)	400	39.75	B	1	1
STAINLESS STEEL						
658S2002	2" MIP (ANSI B1.20.1)	200	24.25	B	1	1
658S2004F2	4" Class 150 Flange (ANSI B16.24)	200	22.87	B	1	1
658S4004F2	4" Class 150 Flange (ANSI B16.24)	400	38.87	B	1	1

Packaging Codes || B: bulk C: cut-case box *:individually bar coded



Sioux Chief vs. the Competition

Sioux Chief's superior design and machining processes have allowed plumbers and contractors to bid jobs with confidence, knowing the product not only wins on paper, it performs in the field where it counts.



<i>Sioux Chief</i>	<i>Josam</i>	<i>J.R. Smith</i>	<i>PPP</i>	<i>Wade</i>	<i>Watts</i>	<i>Wilkins</i>	<i>Zurn</i>	YES	NO
■	■	■	■	■	■	■	■	Permanent Gas Charge	
■	■	■	■	■	■	■	■	Dual O-ring or Better	
■	■	■	■	■	■	■	■	ASSE 1010 Certified AA-F	
■	■	■	■	■	■	■	■	O Chamber Seams	



Cross Reference Guide

MANUFACTURER (Trade Name)	AA	A	B	C	D	E	F
SIOUX CHIEF (HydraRester)	660 series	652-A	653-B	654-C	655-D	656-E	657-F
JOSAM (Absorbotron)	N/A	75001	75002	75003	75004	75005	75006
J.R. SMITH (Hydrotrol)	N/A	5005	5010	5020	5030	5040	5050
PPP (MM series, SC series)	MM-500 series	SC500	SC750	SC1000	SC1250	SC1500	SC2000
TYLER/WADE (Shokstop)	N/A	W-5	W-10	W-20	W-50	W-75	W-100
WATTS (AA = 05 series, A-F = 15 series)	05 series	15 - ½"	15 - ¾"	15 - 1"	15 - 1 ¼"	15 - 1 ½"	15 - 2"
ZURN (Shocktrol, Z-1700 series)	N/A	100	200	300	400	500	600



WARNING
This laser beam is Class II. It is not intended to be viewed directly. It may cause eye injury if viewed directly. Do not stare into the beam. Do not look into the beam. Do not use reflective surfaces. Do not use flammable materials. Do not use in the presence of oxygen. Do not use in the presence of combustible materials. Do not use in the presence of explosive materials. Do not use in the presence of volatile organic compounds. Do not use in the presence of flammable liquids. Do not use in the presence of flammable gases. Do not use in the presence of flammable dusts. Do not use in the presence of flammable fibers. Do not use in the presence of flammable vapors. Do not use in the presence of flammable mists. Do not use in the presence of flammable aerosols. Do not use in the presence of flammable sprays. Do not use in the presence of flammable foams. Do not use in the presence of flammable emulsions. Do not use in the presence of flammable suspensions. Do not use in the presence of flammable solutions. Do not use in the presence of flammable pastes. Do not use in the presence of flammable gels. Do not use in the presence of flammable solids. Do not use in the presence of flammable liquids. Do not use in the presence of flammable gases. Do not use in the presence of flammable dusts. Do not use in the presence of flammable fibers. Do not use in the presence of flammable vapors. Do not use in the presence of flammable mists. Do not use in the presence of flammable aerosols. Do not use in the presence of flammable sprays. Do not use in the presence of flammable foams. Do not use in the presence of flammable emulsions. Do not use in the presence of flammable suspensions. Do not use in the presence of flammable solutions. Do not use in the presence of flammable pastes. Do not use in the presence of flammable gels. Do not use in the presence of flammable solids.

Mini-Rosin
4A



Appendix

» Certifications, Articles, Reports and Specifications

This section has technical information on ASSE Certification, case studies of water hammer situations, as well as engineer status reports. In addition, specification sheets for all Sioux Chief arresters are included.

What it Means to get Certified

In order for an arrester manufacturer to get their arrester products fully certified by ASSE, they must first go through rigorous performance and endurance testing by an accredited test lab. Each arrester model must pass this 10,000 cycle test. Once the testing is successfully completed, the test results are then reviewed by the ASSE Seal Board Committee before a full certification is issued. In addition to all of this testing and certification, ASSE performs annual factory audits to insure continuous quality with all arrester production. Annual Renewal Certificates are then issued for manufacturers that properly fulfill their ASSE requirements.



ASSE International
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
Phone: (708) 995-3019
<http://www.asse-plumbing.org>
Email: stan@asse-plumbing.org

SEAL LISTING CERTIFICATE OF RENEWAL

DATE: 03/17/2014

COMPANY: Sioux Chief Mfg. Co. Inc.
24110 S Peculiar Dr
PO Box 397
Peculiar MO 64078-9247

ASSE STANDARD NUMBER: 1010
SEAL NUMBER: 800

MODELS:
652 - 1/2 inch - With options of: A (MIP), AS (Sweat), AC (CPVC), AX (PEX)
653 - 3/4 inch - With options of: B (MIP), BS (Sweat), BC (CPVC), BX (PEX)
654 - 1 inch - With options of: C (MIP), CS (Sweat), CC (CPVC), CX (PEX)
655 - 1 inch - With options of: D (MIP), DS (Sweat)
656 - 1 inch - With options of: E (MIP), ES (Sweat)
657 - 1 inch - With options of: F (MIP), FS (Sweat)

These products have been authorized to display the ASSE Seal until 06/30/2015

Any changes or modifications to the above referenced products, without the prior written consent from the Seal Control Board, shall be cause for suspension.


ASSE Seal Control Board Chairman

Prevention Rather Than Cure

ASSEDatabase\seal_cert_renewal
SLCR - 03-4-2014

ASSE International
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
Phone: (708) 995-3019
<http://www.asse-plumbing.org>
Email: stan@asse-plumbing.org

SEAL LISTING CERTIFICATE OF RENEWAL

DATE: 11/13/2013

These products have been authorized to display the ASSE Seal until 02/28/2015

COMPANY: Sioux Chief Mfg. Co. Inc.
ASSE STANDARD NUMBER: 1010
SEAL NUMBER: 988

MODELS:
660-2, 660-G2 - AA - straight adapter connection only
660-H - 3/4" MHT x 3/4" PHT - Type AA
660-LV, 660-T, 660-TC1, 660-TX1, 660-TC0, 660-TX2, 660-V2B, 660-TA2B, 660-TW2, 660-TK, 660-TR1, 660-TR, 660-X2B, 660-G2, 660-GLV,
660-GT, 660-GTA2B, 660-GTC0, 660-GTC1, 660-GTR, 660-CTR1, 660-GTW2, 660-GTX1, 660-GTX2 - 1/4" male thread - Type AA
660-LVS - 5/8" Female Thread - Type AA
660-SB - 1/2" Sweat - Type AA
660-T22 - 1/2" sweat - Type T - Type T
660-V2B - 1/2" CPVC - Type AA

Any changes or modifications to the above referenced products, without the prior written consent from the Seal Control Board, shall be cause for suspension.

Prevention Rather Than Cure

ASSEDatabase\seal_cert_renewal
SLCR - 03-27-2009

American Society of Sanitary Engineering
FOR PLUMBING AND SANITARY RESEARCH

This certifies that **Sioux Chief Manufacturing Co.** is authorized to display the ASSE Seal on its

Product **Water Hammer Arrester**

Model **652A, 653B, 654C, 655D, 656E, 657F, 660SB, 660-T22**

Description _____

File #: **800**


in the manner and under the conditions stated herein and any supplemental description sheets, in accordance with

ASSE Standard Number **1010-1996(ANSI-1998)** Testing Laboratory **SGS US Testing**

This authorization is issued for one (1) year from date hereon and is renewable annually for a period of five (5) years.

The ASSE Seal (Conformity Assessment Mark) displayed on a product indicates that the product has been tested at an ASSE approved testing laboratory, and is found to be in compliance with an adopted ASSE standard that the manufacturers and this Society have found practical, workable and acceptable.


The American Society of Sanitary Engineering has created the Seal Control Program to encourage improvements in plumbing products and systems in the interests of greater protection of public health and safety.



Date June 1, 2000

Chairman *Michael Panger*
ASSE Seal Control Board

AMERICAN SOCIETY OF SANITARY ENGINEERING
For Plumbing and Sanitary Research



This certifies that **Sioux Chief** is authorized to display the A.S.S.E Seal on its

Product Water Hammer Arrester

Model 660-2

Description AA size

in the manner and under the conditions stated herein and any supplemental description sheets, in accordance with

A.S.S.E. Standard Number 1010-1996 Testing Laboratory SGS US Testing Company

This authorization is issued for one (1) year from date hereon and is renewable annually for a period of five (5) years.

The A.S.S.E. Seal displayed on a product indicates that the product has been tested at an A.S.S.E. approved testing lab and found to be in compliance with an adopted A.S.S.E. standard that the manufacturers and this Society have found practical, workable and acceptable.

The American Society of Sanitary Engineering has created the Seal Control Program to encourage improvements in plumbing products and systems in the interests of greater protection of public health and safety.

Date October 14, 1996

Chairman *Michael Panger*
A.S.S.E. Seal Control Board

Case Study

WATER HAMMER FROM A DIFFERENT ANGLE

By Michael Meagher
August 1, 2009

A recent case study involved a severe water hammer problem in a fountain refill piping system at the City Hall Building in Grandview, MO (a suburb of Kansas City). The system consisted of a long run of 1-1/2" copper tubing leading up to a solenoid valve in a utility room within the city hall building itself. On the non-pressure side of the valve, 1-1/2" PVC piping exited the building underground and ran 100 feet to the fountain pool outside. A float switch in the pool controlled the solenoid valve back in the utility room. No other valves, before or after, were being operated. Each time this valve cycled off, a large bang emanated from the valve and echoed throughout the building.

Previously, the city hall maintenance engineer had a water hammer arrester installed on the pressure side of the valve. Proper installation requirements for sizing and placement of the arrester were followed. However, the arrester seemed to have little effect on the loud hammer upon each valve closure. Eventually, the destructive water hammer created a large crack in the PVC threaded adapter on the non-pressure line, six feet downstream of the valve, causing a noticeable leak inside the utility room.

A local plumbing contractor, Morgan-Miller Plumbing, was then called in to analyze the situation and fix the problem. At first, this fitting failure was a bit puzzling. Under normal water hammer situations, one would

naturally expect the failure to occur on the pressure side of the valve. That's why arresters are usually required on the pressure side of valves. But in this case, the arrester was found to be working just fine, with no significant pressure surges upstream of the valve. This failure was definitely on the downstream side of the valve.

The joint leak in the fountain refill line seemed to be a small steady drip most of the time. However, at the precise moment immediately following valve closure, a very high-pressure water spray was observed coming from the cracked fitting, just for a split second, accompanied by a loud bang. This momentary high-pressure spray on the non-pressure line was the telltale clue confirming exactly what the problem was. A quick high-pressure surge on the downstream side of the valve after valve closure could only be caused by one thing: a vaporous cavitation.

Cavitation occurs when water pressure is lowered below its vapor pressure. Water will literally flash or vaporize, forming small entrained bubbles (water vapor in its gaseous

state) in the line directly after the quick-closing valve. In situations like the City Hall piping system, three factors play a role in this cavitation; high velocity, pipe length and quick valve closure. When the valve closes, the momentum of flow pulls a vacuum on the area immediately after the valve, constricting the pipe. If the velocity is high enough, the water column can cavitate.



If you have ever done any pressure surge calculations, you may recognize the same three factors that cause water hammer on the pressure side of the valve are the same factors that can cause cavitation on the non-pressure side. That's not a coincidence. The momentum energy in the flowing water is equal on both sides of the valve. When a valve is installed in the middle of the piping run rather than the end, the non-pressure run will contain a significant amount of kinetic energy as well.

It is important to note that water temperature is certainly an essential factor in the physics of cavitation and the vapor pressure of water. Hot water will flash to vapor easier than will cold water. However, in this City Hall case, and in most other plumbing-related cases studied, the cavitation problems developed in an ordinary cold-water piping system where temperature control or temperature change was not a factor.

The damaging effects of cavitation occur when momentum of the flowing water is dissipated and the entrained vapor bubbles collapse back to their liquid state. The rest of the non-pressure water column is then drawn back to fill this void at a super high velocity. An extremely high-pressure surge (water hammer) results after the high velocity water column slams into the valve (Figure 2). In lab tests of similar piping arrangements, pressure surges caused by cavitation have been measured up to 1,100 psig.

A water hammer arrester installed on the pressure side of the valve works great to control the energy in the water column upstream of the

valve, but does nothing to prevent the cavitation and severe pressure surge on the downstream side. Even installing a second water hammer arrester after the valve will not help, because conventional arresters are not designed to prevent this specific problem or to absorb the resultant shock.

A unique product called a vacuum arrester was introduced a few years ago to control this problem of cavitation. Similar in design to a piston-style water hammer arrester, the vacuum arrester temporarily breaks the vacuum that is pulled just beyond the closing valve. The operation of a vacuum arrester is functionally opposite of a conventional water hammer arrester.

The vacuum arrester has a much lower charge and the piston starts high in the barrel and travels down. When installed directly after the valve, the air in the vacuum arrester will expand to allow a more gradual stop of the water flow, and, thus, prevent cavitation.

In the Grandview City Hall piping system, the contractor correctly diagnosed the problem, installed a vacuum arrester and repaired the cracked fitting. Once a vacuum arrester was installed in addition to the water hammer arrester, the fountain system operated safely and quietly without any damaging pressure surges on either the pressure side or non-pressure side of the valve.

Unlike common atmospheric vacuum breakers, a vacuum arrester employs a contained pressure chamber that will never spit or leak water, nor will it

ever allow air to be introduced into the water line. However, a vacuum arrester is not a traditional backflow prevention device and should not be substituted for one in other applications where those devices are required by code.

Fig 1: Shut-off valve at END of long pipe run

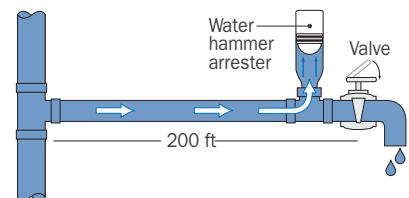


Fig 2: Shut-off valve in MIDDLE of long pipe run

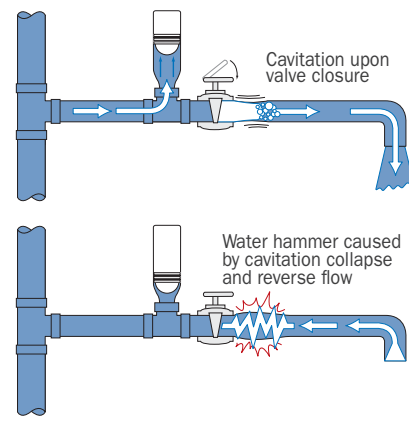
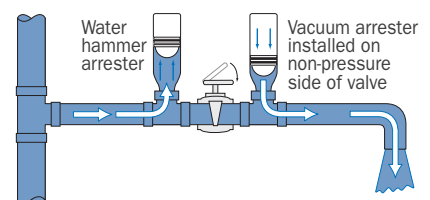


Fig 3: Shut-off valve in MIDDLE of long pipe run



RESIDENTIAL & LIGHT COMMERCIAL WATER HAMMER CONTROL

AA-size piston-type arresters provide the solution to preventing water hammer in both residential and commercial applications.

Excerpt from April 2002 PM Engineer Magazine.

AA-size water hammer arresters are now sweeping the country as the permanent and affordable solution to that age-old problem of banging pipes and system damage caused by water hammer pressure surges, but this progress has been a long time in the making. Like many things in our industry, change doesn't happen overnight. Process and product innovation, industry education, along with new product standards and codes, have led the way.

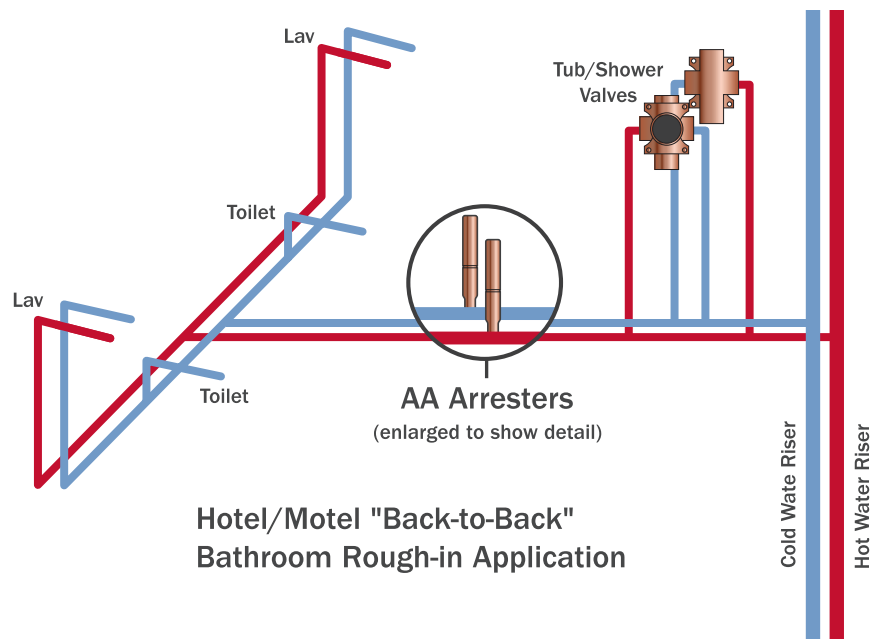
In the 1980s, several arrester manufacturers offered a better alternative to plain air chambers when they introduced their single-fixture size arresters to the marketplace. At first, the use of these new arresters was somewhat limited due to the lack of official recognition at the codes and standards level. That all changed in 1996 when ASSE officially added the single-fixture AA-size category to the other six A through F arrester sizes in their ASSE 1010 Standard. Within 12 months, no less than three manufacturers had received ASSE certification on their compact and more affordable AA sizes, or double-A arresters, as they are now called.

Since then, the installation of AA arresters to control water hammer has grown tremendously throughout the country. Code officials in many states see the AA arrester as a very simple, very feasible way to address this water hammer control issue they've been struggling with for years. And not surprisingly, a large number of plumbing contractors report they are installing AA arresters even on applications where they are not required by code. They say arresters add quality to their jobs and help reduce callbacks.

The AA size is considered a single-fixture arrester and it is designed for installation on a plumbing faucet or fixture at the point of use. In other words, one AA arrester should be placed on both the hot and cold lines as close as possible to each culprit valve or faucet that causes hammer. The most common applications for AA arresters are on the water lines serving washing machines,

dishwashers, and tub/shower valves. Historically, these areas have caused the most problems or have been the areas reported most often as having water hammer. At the very least, these three applications should always have AA arresters installed during new construction. Other possible applications on new construction or retrofit could be just about any other faucet or fixture in the plumbing system if water hammer is apparent, such as kitchen or lav faucets, water closets, and even ice maker valves.

A common myth is that one large arrester centrally located will control hammer throughout the piping system. In reality, this does little or nothing to control hammer. The arrester loses its effectiveness the farther away from the valve it is installed. Installation within six feet of the valve may work fine. However, when the arrester is installed 20 or 30 feet upstream, it has little effect. Arresters work like shock absorbers



on a car. Your car has four wheels, so you need no less than four shocks, one placed at each wheel (point of use). Imagine the damage and abuse your car would take if it didn't have four properly placed shock absorbers. Your plumbing system is subject to the same type of abuse without proper arrester installation and placement.

Another question often asked is whether arresters are necessary on plastic tubing. Water hammer is a concern regardless of piping material, metal or plastic. It may be true that plastic tube does not seem to transmit as much noise as copper, but the energy from the flowing water is still there. It has to go somewhere. As a matter of fact, plastic tubing has a slightly smaller inner diameter compared to the same nominal size copper, so the flowing water has a higher velocity, which means even more energy to be absorbed when the flow is stopped. Upon valve closure, plastic tubing expands minutely which does absorb a small amount of this energy, but water hammer can still occur at flow rates of three or four gallons per minute. Many contractors install arresters on plastic tubing systems to alleviate the tubing and joints of any undue stress and strain, rather than the plastic system taking the full brunt of the pressure surge all by itself.

Even though the AA size is often thought of as residential, it can certainly be specified for commercial projects as well. Its ASSE listing and fixture-unit rating of 4 makes it ideal for sizing and specification on projects such as hotels, motels, or multi-family. For example, a common mistake in

hotel arrester sizing and placement is specifying one large multi-fixture arrester centrally located between several rooms. Worse yet, sometimes one arrester is specified to cover an entire floor. No matter how large the arrester is, the centrally located placement will not suffice. Large multi-fixture arresters work great on a commercial rest room with a bank of fixtures all on the same header; but when the branch lines go off in many directions, like in a hotel, smaller arresters placed at the point of use would be a better solution.

To insure proper water hammer control on this type of project, specify a pair of AA arresters at each tub/shower valve (a common water hammer culprit). For the typical hotel back-to-back bathroom configuration, one pair of AAs will suffice for both valves (see below) since the chance of simultaneous shut-off of both valves is almost nil.

The product innovation of AA arresters has created dramatic effects at the code level as well. In the past five years, there have been major code revisions concerning water hammer control. In 1996, IAPMO published its UPC Installation Standard IS 20-96 for CPVC piping systems, which required arresters on all solenoid valves supplied with CPVC tubing. When this was first published, the UPC had yet to require arresters on other piping materials.

Then in 1997, IAPMO added Section 609.10 Water Hammer Control to the main body of the Uniform Plumbing Code, and then updated it in the UPC-2000 revision. This section calls out the requirement of listed mechanical

devices on all quick closing valves in all potable water systems. It does not make exceptions for any piping material CPVC, copper, PEX or otherwise. Because of this new water hammer control requirement covering all piping systems, including CPVC, the secondary reference to water hammer control in the CPVC Installation Standard was deleted in 1998, evidently due to redundancy.

The International Plumbing Code (IPC-2000) also has a very similar requirement for water hammer control in its Section 604.9. AA arresters conforming to the ASSE 1010 Standard fulfill the product requirements of this code as well. IPC states that arresters should be installed per manufacturer's instructions. Therefore, if the arrester manufacturer states its arrester can be installed without access, then no access panels are required. Several states are already enforcing this section, and other states are planning to do so this year.

4.3 Arrester Installations

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Arrester Installations

Partial Listing

Location	Name of Job	Units
Correctional Facilities		
Calipatria, CA	Northern Imperial County State Prison	54
Chowchilla, CA	Madera State Prison	1132
Coalinga, CA	Coalinga State Prison	480
Corcoran, CA	Corcoran Prison	188
Crescent City, CA	Del Norte California State Prison	813
Delano, CA	California State Prison	970
Oroville, CA	F.M. Booth Butte County Jail	44
San Mateo, CA	West County Detention Center	76
Santa Paula, CA	Ventura County Jail	415
Wasco, CA	State Prison	1012
Denver, CO	Women's Correction Facility	300
Niantic, CT	Womens Institution	500
Gainesville, FL	Alachua County Detention Center	160
Miami, FL	South Florida Reception/Correction Center	102
Orlando, FL	Central Florida Reception/Correction Center	98
Thomasville, GA	Thomas County Jail	138
Decatur, GA	DeKalb County Jail	465
Ina, IL	Rend Lake Correctional Center	750
Harrisburg, IL	Saline County Jail	160
Peoria, IL	Sheridan, Canton-Cell Houses	732
Kokomo, IN	Howard County Prison	322
Noblesville, IN	Hamilton County Juvenile Detention Center	15
El Dorado, KS	El Dorado Maximum Security Prison	160
Ellsworth, KS	Ellsworth Correctional Facility	161
Emporia, KS	Lyons County Law Enforcement Center	50
Lansing, KS	Kansas State Prison	118
Larned, KS	Larned State Correctional Facility Hospital	46
Wichita, KS	Sedgewick County Jail	526
Manchester, KY	Federal Correctional Institute	559
Warren, ME	Maine State Prison-Minimum Security	165
Baraga, MI	Baraga Correctional Facility	245
Greene County, MS	Southern Mississippi Correctional Facility	212
Monrovia, NY	New York State Maximum Security Facility	193
New York, NY	Metro Jefferson Correctional Facility	288
Portland, OR	Donald E. Long Juvenile Justice Center	128
Allenwood, PA	Allenwood Correction Center	340
Pittsburgh, PA	Allegheny County Jail	2000
Dauphin, PA	Dauphin County Prison	189
Waynesburg, PA	Green County Jail	665
Ridgeland, SC	Ridgeland Prison	126
Turbeville, SC	Turbeville Prison	208
Abilene, TX	French Robertson Unit-Texas Dept.	933
Amarillo, TX	Amarillo Prison	992
Childress, TX	Childress Prison	60
Diboll, TX	County Detention Center	83
Hondo, TX	Substance Abuse Treatment Facility	121
Lubbock, TX	TDCJ Brownfield Prison	149
Pampa, TX	Gray County Jail Addition	30
Texarkana, TX	Bowie County Jail	55
San Diego, TX	Substance Abuse Treatment Facility	103
Waco, TX	McLennan County Jail	76
Roanoke, VA	Roanoke City Jail	30
Portsmouth, VA	Deerfield Correction Center	34
Kenosha, WI	Racine Correctional Institute	35
Oshkosh, WI	Oshkosh Correctional Center	427
Medical Facilities		
Tuscaloosa, AL	Druid City Hospital	235
Atascadero, CA	Atascadero State Hospital	100
Bakersfield, CA	Bakersfield Memorial Hospital	230

HydraRester**Arrester Installations**

Partial Listing

Location	Name of Job	Units
Rancho Mirage, CA	Eisenhower Medical Center	55
Tustin, CA	Kaiser Hospital	124
Healdsburg, CA	Healdsburg General Hospital	20
Fresno, CA	Kaiser Hospital	477
Porterville, CA	Sierra View Hospital	90
New Britain, CT	New Britain Hospital	115
Orlando, FL	University Medical Center	50
Kissimmee, FL	Florida Hospital Addition	73
Hull, IA	Flyod Hospital	20
Coeur D'Alene, ID	Kootenai Medical Center	20
Coeur D'Alene, ID	New State Hospital	115
Bangor, ME	Eastern Maine Medical Center(MRI Bldg.)	19
Damariscotta, ME	Miles Hospital	43
Crow Agency, MT	Crow Agency Hospital	80
Greenville, NC	Pitt County Hospital	190
Winston-Salem, NC	Clinical Service Building	750
Rocky Mount, NC	Rocky Mount Hospital	48
Durham, NC	VA Medical Center	50
Raleigh, NC	UNC Women & Children's Hospital	582
Raleigh, NC	Wake Medical Center	150
Lincoln, NE	Bryan Memorial Hospital Outpatient Building	165
Albuquerque, NM	Loveless Multi-Practice Hospital	40
Tioga, NY	Tioga Hospital / Nursing Home	111
Utica, NY	Slocum Dickson Medical Clinic	200
Columbus, OH	Riverside Hospital	570
Columbus, OH	Correction Medical Center	88
Lawton, OK	VA Outpatient Center	92
Altoona, PA	Altoona Hospital	250
Pittsburgh, PA	West Penn Hospital	121
Greenwood, SC	Self Memorial Hospital	89
Bristol, TN	Bristol Regional Medical Center	240
Greenville, TN	Laughlin Hospital	200
Nashville, TN	Centennial Medical Center	285
Bonham, TX	VA Hospital	190
Lubbock, TX	Methodist Hospital	48
Houston, TX	Cypress Fair Womens Medical Center	76
Houston, TX	Kingwood Hospital	123
Tyler, TX	East Texas Medical Center	95
Suffolk, VA	Lakeview Medical Center	32
Norfolk, VA	Childrens Hospital	215
Fort Lewis, WA	Maddigan VA Hospital	398
Milwaukee, WI	Milwaukee City Medical Complex	32
Milwaukee, WI	Childrens Hospital of Wisconsin	350
Charleston, WV	CAMC Hospital	156
Schools		
Pomona, CA	Pomona College	51
New Britain, CT	Central Connecticut State University	145
Palm Beach Garden, FL	Eissey Theatre, Palm Beach Comm. College	20
Atlanta, GA	Georgia Industrial Institute	146
Atlanta, GA	University Apartments (96 Olympics)	410
Iowa City, IA	Hillcrest Dormitory	96
Pekin, IL	CB Smith School	50
Bloomington, IL	Indiana University- Sports and Rec Building	48
Bloomington, IN	Monroe County High School	50
Indianapolis, IN	Center Grove High School	52
Indianapolis, IN	North Central High School	36
Indianapolis, IN	Indianapolis Public School 14, #269	61
Jasper, IN	Ireland Elementary	46
Muncee, IN	Burriss School	50

4.3 Arrester Installations

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Arrester Installations

Partial Listing

Location	Name of Job	Units
Las Vegas, NV	Cheyenne High School	34
Las Vegas, NV	Memorial High School	34
Greensboro, NC	NCAT University Dorm Renovation	105
Brooklyn, NY	Brooklyn Occupational Training Center	60
Brooklyn, NY	Public School IS# 171	25
Buffalo, NY	University of Buffalo Housing	360
Oxford, OH	University Commons	128
Guthrie, OK	Guthrie Elementary School	31
Norman, OK	Oklahoma University Energy Center	72
Altoona, PA	Blairsville, High School	30
Erie, PA	Erie County VOTEC	35
Landisville, PA	Hemsfield High School	94
Moscow, PA	Moscow Elementary School	40
Saint Matthews, SC	John Ford Middle School	68
Aiken, SC	Aiken High School Gym	43
Highland Park, TX	Highland Park Middle School	50
Houston, TX	Spring Branch Elementary School	100
College Station, TX	New Junior High School	43
Grapevine, TX	Grapevine/Colleyville ISD Elementary School	37
Lubbock, TX	Texas Tech. Univ. Health Sciences Building	96
Leesburg, VA	Lowden County Schools	78
Midlothian, VA	Bailey's Bridge High School	95
Sopkane, WA	Chase Middle School	48
Spokane, WA	Hamblen School	140
Antigo, WI	Antigo High School	25
Madison, WI	Beloit Memorial High School	32
	U.S. Military	
Fort Ord, CA	Military Housing	1142
Fresno, CA	Lemoore Naval Station	840
Twenty-Nine Palms, CA	U.S. Marine Corp Base	584
Denver, CO	Lowry AFB – Military Housing	368
Ft. Walton Beach, FL	Eglin AFB – Military Housing	505
Ft. Walton Beach, FL	Hurlburt Field – Military Housing	482
Mayport, FL	Rebault Bay Village Military Housing	1232
Panama City, FL	Coastal Dining Facility	40
Sorrento, FL	Patrick Air Force Base – Housing	250
Fort Benning, GA	Military Housing	456
St. Mary's, GA	King's Bay Submarine Base	164
Moanalua, HI	Military Base	1292
Pearl City, HI	Military Base	780
Schofield, HI	Military Housing	148
Glenview, IL	Glenview Naval Airbase	400
Fort Riley, KS	Military Housing	50
Bossier, LA	Barstow AFB – Military Housing	100
Camp Lejeune, NC	Bachelors Enlisted Quarters	426
Fort Bragg, NC	Military Housing	1156
Fort Bragg, NC	Military Housing (Barracks)	238
Fort Bragg, NC	Military Housing	528
Eatontown, NJ	Fort Monmouth Army Military Base	58
Clovis, NM	Cannon AFB Dorm	35
Holman, NM	Holman AFB – Enlisted Housing	740
Watertown, NY	Fort Drum – Military Housing	182
Altus, OK	Altus AFB – Military Housing	426
Fort Sill, OK	Military Housing	671
Fort Sill, OK	Barracks Renovation	264
Columbus, OH	DCSC Operation Center	272
Mechanicsburg, PA	Naval Control Parts Center	61
Newport, RI	Naval Education & Training Center	660
Box Elder, SD	Ellsworth AFB – Military Housing	1620

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Arrester Installations

Partial Listing

Location	Name of Job	Units
San Antonio, TX	Military Housing	284
Fort Hood, TX	Military Housing	176
Fort Hood, TX	Barracks Renovation	176
Shepherd, TX	Enlisted Dormitory	762
Fort Belvoir, VA	Army Military Housing	1328
Fort Belvoir, VA	Army Military Housing	79
Williamsburg, VA	Dormitory Training Facility, Camp Perry	61
Woodbridge, VA	Navy Apartments Village #1 and #3	706
McChord, WA	McChord AFB	300
Yakima, WA	Military Housing	400
Federal/State Government		
Fairbanks, AK	HUD 40	80
Novato, CA	Fire Station	30
Redwood Valley, CA	Northern Circle Indian Housing Authority	50
Augusta, GA	Delta Homes (HUD)	250
Cartersville, GA	Cartersville Housing Authority (HUD)	150
Marietta, GA	Marietta Housing Authority (HUD)	130
Honolulu, HI	Helemano Government Housing Project	340
Wichita, KS	Kansas State Office Building	70
Landover, MD	Sommerfield Housing Project	2021
Bath, ME	West Bath District Court House	17
St. Louis, MO	Convention Center Addition	57
Box Eldr, MT	Indian Housing Authority	80
Sparks, NV	Pyramid Lake Indian Housing Authority	70
Pittsburgh, PA	Crowley Manor Housing Project (HUD)	330
Charleston, SC	Charleston Ship Yard (Public Works Facility)	35
Coyce, SC	U. S. Postal Office	55
Effingham, SC	Florence Civic Center	460
Hotel/Motel		
Ocean Springs, AL	Sleep Inn Hotel	65
Boynton Beach, FL	Marriott Hotel	100
Ft. Lauderdale, FL	Comfort Suites Hotel	29
Kissimmee, FL	All-Star Resort	1296
Lake Buena Vista, FL	Magnolia Bend Disney Hotel	528
Orlando, FL	Clarion Hotel	338
Orlando, FL	Comfort Suites Hotel	120
Orlando, FL	Omni Rosen Hotel	236
Honolulu, HI	Hapuna Beach Hotel	45
Rockfork, IL	Econo-Lodge	100
Malden, MA	Gateway Hotel	336
Lansing, MI	Quality Inn Hotel	240
Traverse City, MI	Park Place Motel	80
Branson, MO	Holiday Inn	250
Branson, MO	Seven Gables Motel	40
Branson, MO	Green Mountain Inn	35
Branson, MO	Holiday Hill Resort	48
Branson, MO	Grand Victorian Inn	60
Osage Beach, MO	Marriott Tan Tara	40
Las Vegas, NV	MGM Grand Hotel	150
Durham, NC	Hilton Hotel	92
Corning, NY	Perri's Days Inn	64
Oklahoma City, OK	Marriott Hotel	191
Myrtle Beach, SC	Beach Cove Inn Motel/Hotel	520
Hilton Head, SC	Grande Ocean Resort	40
Chesapeake, VA	Marriott Hotel	33
Ayudhya, Thailand	Krung Sri Riverside Hotel	39
Bangkok, Thailand	Amarit Watergate Hotel	47
Bangkok, Thailand	Ayothaya Thani Hotel	633
Bangkok, Thailand	Bai Yok Tower II	22

4.4 Specifications

WATER HAMMER ARRESTERS

»» 660 SERIES

MiniRester™

SPECIFICATION

Sioux Chief 660 Series piston-type water hammer arresters shall be required in piping systems. Water hammer arresters shall have sufficient volume of air to dissipate the calculated kinetic energy generated in the piping system. Arresters shall be effective when installed at any angle. Arresters shall be approved for installation with no access panel required. Water hammer arresters shall be ANSI/ASSE 1010 2004 certified. Arresters shall be sized and placed per manufacturer's instructions.

MATERIALS

Arrester body: type L copper tube (660-G2B body is 304 stainless steel)
Piston: poly piston with two EPDM o-rings
Fitting: no-lead brass or copper
Piston lubrication: Dow-Corning, 111 FDA approved silicone compound

WORKING LIMITS*

Max working temperature: 250°F
Max working pressure: 350 PSIG
Burst tested: to 1,500 PSIG

*PEX and CPVC connection specifications are limited to those called out in their respective ASTM Standards for Fittings (CPVC D2846, PEX F1807 & F1960).

INSTALLATION

Angle: May be installed at any angle
Access panels: No access panels required
Sweat connection: Compatible with Press Fittings or Push Fittings

SIZING & PLACEMENT

Refer to instructions on product package, catalog or website.

CERTIFICATIONS/APPROVALS

Certified by ASSE to the ANSI/ASSE 1010-2004 standard, AA size
 cUPC listed to UPC and Canadian codes and standards

DIMENSIONS

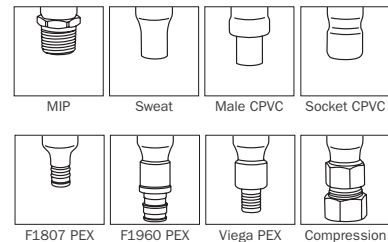
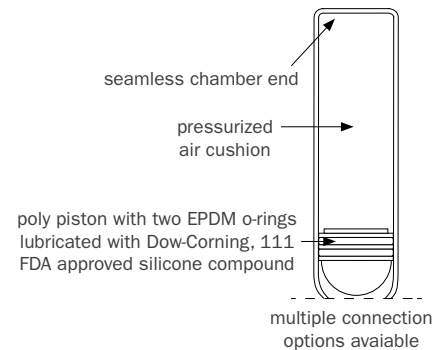
	Male Thread	Male Sweat	Male CPVC	CPVC Socket	F1807 PEX	F1960 PEX	Viega PEX	Comp.
Arrester size	AA	AA	AA	AA	AA	AA	AA	AA
Overall height	3 ³ / ₈ "	6 ¹ / ₂ "	4 ¹ / ₄ "	3 ³ / ₈ "	4 ¹ / ₄ "	5 ¹ / ₄ "	5 ¹ / ₄ "	5 ¹ / ₄ "
Chamber width	7 ⁸ / ₈ "	7 ⁸ / ₈ "	7 ⁸ / ₈ "	7 ⁸ / ₈ "	7 ⁸ / ₈ "	7 ⁸ / ₈ "	7 ⁸ / ₈ "	7 ⁸ / ₈ "
Connection size	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Volume (cu. in.)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Fixture units	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



660-G2B

660-SB



Choose Item Number

- | | |
|---------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> 660-G2B = AA size, MIP | <input type="checkbox"/> 660-X2B = AA size, F1807 PEX |
| <input type="checkbox"/> 660-SB = AA size, sweat | <input type="checkbox"/> 660-WG2B = AA size, F1960 PEX |
| <input type="checkbox"/> 660-V82B = AA size, male CPVC | <input type="checkbox"/> 660-GVPX2B = AA size, Viega PEX |
| <input type="checkbox"/> 660-V2B = AA size, CPVC socket | <input type="checkbox"/> 660-GCB = AA size, compression |

WATER HAMMER ARRESTERS

» 660-GTR SERIES

MiniRester™

SPECIFICATION

Sioux Chief 660-GTR piston-type water hammer arresters shall be installed where required on supply valves. Water hammer arresters shall be specifically sized and have sufficient volume of air to dissipate the calculated kinetic energy generated by closing residential or commercial faucets or valves. Arresters shall be installed on both hot and cold lines on the supply stops where applicable. Arresters shall be approved for installation with no access panel required.

MATERIALS

- Arrester body:** 304 stainless steel
- Piston:** polypropylene with two EPDM o-rings
- Tee body:** nickel-plated no-lead machined brass

WORKING LIMITS

- Max working temperature:** 250°F
- Max working pressure:** 350 PSIG
- Burst tested to:** 1,500 PSIG

INSTALLATION

Install MiniRester compression connections to supply stops and supply lines. Approved for installation with no access panels required.

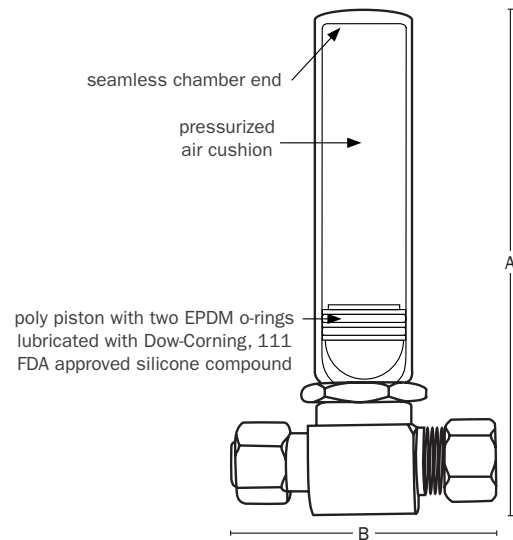
CERTIFICATIONS/APPROVALS

Certified by ASSE to the ANSI/ASSE 1010-2004 standard, AA size cUPC listed to UPC and Canadian codes and standards

DIMENSIONS

	1/4" OD	3/8" OD	5/8" OD
A: overall height	4"	4"	4 1/4"
B: trunk width	2"	2"	2 1/2"

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



Choose Item Number

- 660-GTR0B** = 1/4" OD compression × female compression
- 660-GTR1B** = 3/8" OD compression × female compression
- 660-GTRB** = 5/8" OD compression × female compression

WATER HAMMER ARRESTERS

650 SERIES

HydraRester™

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____

SPECIFICATION

Sioux Chief 650 Series piston-type water hammer arresters shall be required in piping systems. Water hammer arresters shall have sufficient volume of air to dissipate the calculated kinetic energy generated in the piping system. Arresters shall be effective when installed at any angle. Arresters shall be approved for installation with no access panel required. Water hammer arresters shall be ANSI/ASSE 1010 2004 certified. Arresters shall be sized and placed per manufacturer's instructions.

MATERIALS

- Arrester body:** type L copper tube
- Piston:** poly piston with two EPDM o-rings
- Male thread fitting:** copper MIP thread
- Piston lubrication:** Dow-Corning, 111 FDA approved silicone compound

WORKING LIMITS*

- Max working temperature:** 250°F
- Max working pressure:** 350 PSIG
- Burst tested:** to 2,900 PSIG

* PEX and CPVC connection specifications are limited to those called out in their respective ASTM Standards for Fittings (CPVC D2846, PEX F1807).

INSTALLATION

- Angle:** May be installed at any angle
- Access panels:** No access panels required
- Sweat connection:** Compatible with Press Fittings or Push Fittings

SIZING & PLACEMENT

Refer to instructions on product package, catalog or website.

CERTIFICATIONS/APPROVALS

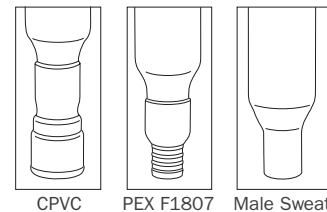
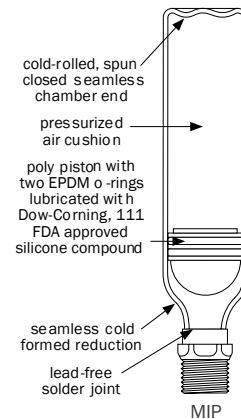
Certified by ASSE to the ANSI/ASSE 1010-2004 standard

DIMENSIONS

Arrester size	A	B	C	D	E	F
Overall height						
male thread	6½"	8¾"	11"	10½"	12⅝"	15½"
male sweat	8¼"	10"	12½"	11"	13½"	16"
CPVC	7½"	9½"	12"	—	—	—
PEX crimp	6½"	8¾"	11"	—	—	—
Chamber width	1⅜"	1⅜"	1⅜"	2⅜"	2⅜"	2⅜"
Connection size	½"	¾"	1"	1"	1"	1"
Volume (cu. in.)	5	7	11	20	29	36
Fixture units	1-11	12-32	33-60	61-113	114-154	155-330



652-A



Choose Item Number

- 652-A** = A size, MIP
- 653-B** = B size, MIP
- 654-C** = C size, MIP
- 655-D** = D size, MIP
- 656-E** = E size, MIP
- 657-F** = F size, MIP
- 652-AS** = A size, sweat
- 653-BS** = B size, sweat
- 654-CS** = C size, sweat
- 655-DS** = D size, sweat
- 656-ES** = E size, sweat
- 657-FS** = F size, sweat
- 652-AC** = A size, CPVC socket
- 653-BC** = B size, CPVC socket
- 654-CC** = C size, CPVC socket
- 652-AX** = A size, PEX crimp
- 653-BX** = B size, PEX crimp
- 654-CX** = C size, PEX crimp

WATER HAMMER ARRESTERS

658 series

MegaRester™

SPECIFICATION

Sioux Chief 658 Series piston-type water hammer arresters shall be installed where required in piping systems. Water hammer arresters shall have sufficient volume of air to dissipate the calculated kinetic energy generated in the piping system. Arresters shall have a permanently sealed tube body with factory air charge, and shall be available with male thread or flanged connection. Arresters shall be sized and placed per manufacturer's instructions.

MATERIALS

arrester body

copper/brass: 4½" O.D. type L copper tube

stainless steel: 4¼" O.D. 316 stainless steel tube

male thread fitting

copper/brass: wrought copper fitting (ANSI B1.20.1),

lead-free solder joint

stainless steel: 316 stainless steel fitting (ANSI B1.20.1), welded

flange

copper/brass: cast brass flange (ANSI B16.24), lead free solder joint

stainless steel: 316 stainless steel flange (ANSI B16.24), welded

piston: Polypropylene piston, dual EPDM o-rings lubricated with Dow 111, FDA-approved silicone compound.

gauge: 600 lb. liquid-filled

WORKING LIMITS

max working temperature: 250°F

max working pressure: 350 PSIG

burst tested: to 2,900 PSIG

DIMENSIONS

	Height
658-1503	23.25"
658-2002	29.25"
658-2004	24.5"
658-4004	40.5"
658-4004F2	39.75"
658S2002	24.25"
658S2004F2	22.87"
658S4004F2	38.87"

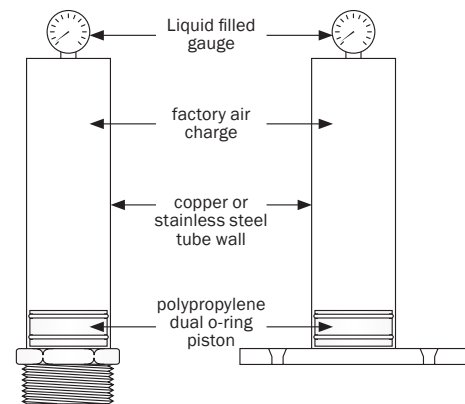
Item # Submitted	_____
Job Name	_____
Location	_____
Engineer	_____
Contractor	_____
PO#	_____ TAG _____



658-2004



658S4004F2



- 658-1503 copper, 3" MIP, 150 in³
- 658-2002 copper, 2" MIP, 200 in³
- 658-2004 copper, 4" MIP, 200 in³
- 658-4004 copper, 4" MIP, 400 in³
- 658-4004F2 copper, 4" flange, 400 in³

- 658S2002 stainless steel, 2" MIP, 200 in³
- 658S2004F2 stainless steel, 4" flange, 200 in³
- 658S4004F2 stainless steel, 4" flange, 400 in³

Sioux Chief

Sioux Chief Manufacturing Company • tel: 1-800-821-3944 • www.siouxchief.com • fax: 1-800-758-5950

11-08

Tile-In Drain Head

▶▶ For 821 Series Shower Pan Drains



Stylish

Contemporary design creates the look of a seamless tile floor. Water “disappears” into the drainage slot

Practical

Installs easily - no special techniques or tools needed

Works with any décor - No need to match the finish of fixture trim



Specs/Dimensions

Material: 18 gauge stainless steel

Flow Rate: 8.5 GPM*

A Drain head OD: 5 1/8"

B Tile insert OD: 4 3/8"

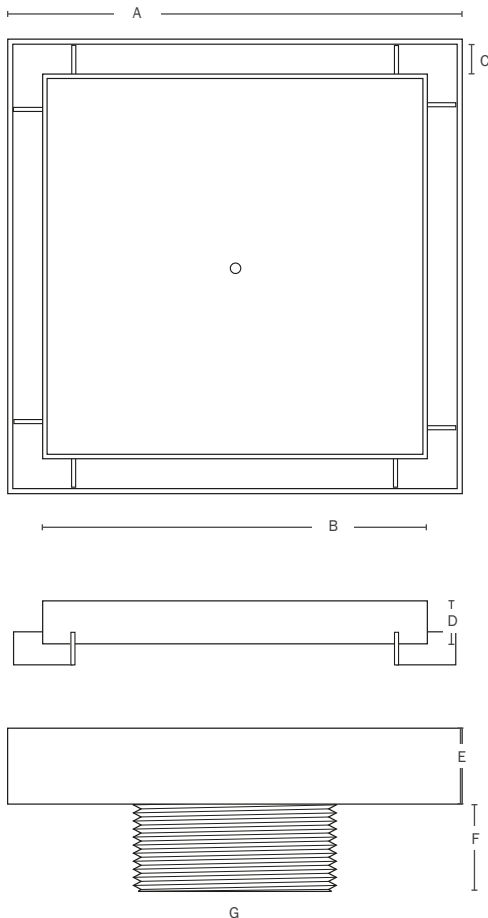
C Drainage slot: 3/8"

D Tile insert depth: 1/2"

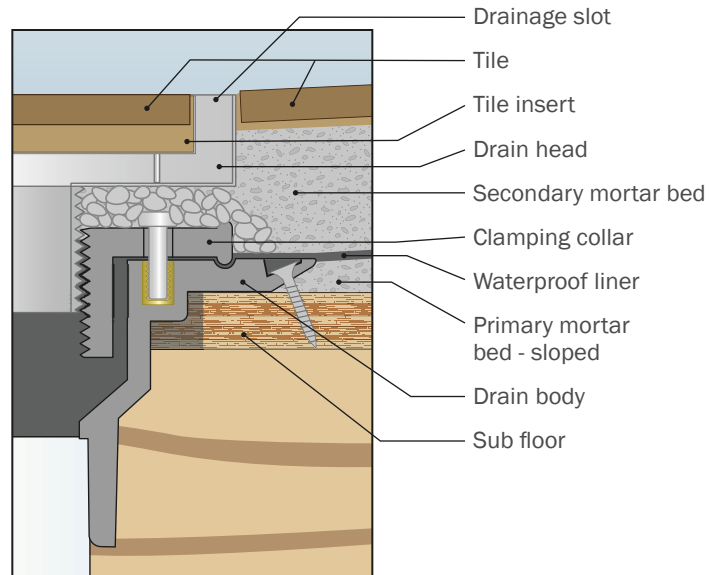
E Head depth: 7/8"

F Thread height: 1"

G Thread size: 2" MIP



Installation



The tile-in drain head installs like a standard drain head, but provides the look of a seamless tile floor.

* Estimated/calculated flow rate through the head (not the entire drain).

PVC ITEM NO.		ABS ITEM NO.	DESCRIPTION	PKG	MIN QTY	CASE QTY	LIST PRICE
SHOWER DRAIN WITH TILE-IN HEAD							
821-2PTQ	821-2ATQ		Shower drain with Tile-in head - 2" Sch. 40 hub connection	B*	1	1	\$75.50
821-T2PTQ	821-T2ATQ		Item listed above, with DoubleDuty™ test plug	B*	1	1	\$75.50
SEPARATE COMPONENTS							
821-2LTQ			Tile-in drain head only - 2" MIP thread	B*	1	1	\$69.50
821-HP2	821-HA2		Drain body & collar only for 821 series	B*	25	25	\$6.00
821-THP2	821-THA2		Item listed above, with DoubleDuty™ test plug	B*	25	25	\$6.00

PACKAGING:

B = Bulk

C = Cut Case

* Individually Bar-Coded

24110 South Peculiar Drive
Peculiar, Missouri 64078
P 1.800.821.3944
F 1.800.758.5950

Closet Flanges

»» First in Innovation. First in Quality.



Complete

A variety of sizes and models mean the right flange is available for any job.

Innovative

Exclusive designs with unique features provide solutions for contractors.

Trusted

Designed, engineered and molded in the USA using only top-quality resins.



“ We have installed over 60,000 TKOs over the last three years. They have eliminated the callbacks on knockouts in the sewer lines. We would highly recommend this product to anyone in the plumbing trade. ”

J.A. Croson Company
Contractor

Note: Image not representative of full line

Closet Flanges

» First in Innovation. First in Quality.

- Knockout Flanges**
- Open Flanges**
- Offset Flanges**
- Push-In Flanges**
- Specialty Flanges**
- Spacer & Repair Rings**

Sioux Chief's closet flanges do what flanges are designed to do — anchor the toilet to the floor and make a secure connection to the drain. And they do so with the quality and attention to detail contractors have come to expect from an American manufacturer. To Sioux Chief, closet flanges represent an opportunity to make another group of rough plumbing products better. Better for distributors, better for installing contractors.

Sioux Chief has been designing and molding closet flanges for 25 years. From the beginning, we have engineered quality into this product. We have never stopped trying to make a better product. Over the years, our refinements have included a knockout that won't break apart, swivel rings made from stainless steel, full flow offset flanges, and more.

At Sioux Chief, in addition to developing new products, we continue to improve our production quality. We inspect every closet flange and test every TKO™ for leaks before packaging. Our expert technicians run, maintain and service our molds daily. This level of attention not only prevents production delays, it also allows us to make improvements in design as quickly as we identify the opportunity to do so. For closet flanges, as with all our products, we aspire to make the best ones on the market — to provide the most value for our distribution partners and installing contractors.



Complete. Innovative. Trusted.

Knockout Flanges

There are knockouts, and then there is the *total knockout*. At Sioux Chief we call it the TKO. The TKO uses an integrally molded test cap that prevents debris from entering the drain line during rough-in and allows for testing of the DWV system. We introduced the TKO design more than 15 years ago and have been improving it ever since. Our contractors have made it the knockout closet flange of choice. They appreciate not only its quality but also the completeness of the line — six different connection types, in ABS or PVC, one-piece or with a corrosion-resistant, 430 stainless steel swivel ring.



Open Flanges

At Sioux Chief we design our open flanges with the same care and precision as we do the TKO. Contractors have found the open flange to be a cost effective alternative in those instances where a test cap is not needed. These include installations after the system is tested or where no testing is performed. We complement our complete line of open flanges with five different connection types, in ABS or PVC, one-piece or with a corrosion-resistant, 430 stainless steel swivel ring.



Offset Flanges

Sioux Chief has designed two quality offset flanges — the Full Flush™ and the Drop-Kick™ — to deal with the real world problems contractors face, like a misaligned pipe or inconvenient floor joists. What makes these flanges unique is their full flow capacity. A 3" ball will pass through either unobstructed. This feature has enabled these flanges to pass code — a first. The Full Flush has a 3" Schedule 40 Hub connection, which will fit into 4" pipe. The Drop-Kick's 3" spigot outlet easily connects to any fitting hub. Both are available in ABS or PVC and both are standard with a corrosion-resistant, 430 stainless steel swivel ring.



Note: Images not representative of full line

Push-In Flanges

While most closet flanges have a solvent weld joint, Sioux Chief's Push Tite™ uses a tough, engineered elastomer gasket to seal against the inside wall of a drain pipe. The clean, simple installation makes it perfect for repair or remodeling jobs. The installer need only push it in and fasten it to the floor. The Push Tite works well with various piping materials – ABS, PVC, cast iron, and even some copper and lead pipes. It has the largest outlet diameter of any comparable flange on the market and also has smooth inner walls with no obstructions or ledges to cause clogs. The extended outlet length of the Push Tite helps it to seal against the inner wall of the drain pipe, even when additional flooring is added or the pipe is cut below the floor. Sioux Chief has developed Push Tites for both 3" and 4" drain pipe.



Specialty Flanges

Sioux Chief offers a wide range of closet flanges for specialty installations. In commercial settings, many installers use our cast iron flange with a compression-type joint to connect to cast iron drain systems. The compression gasket provides an integral test cap and debris cover. For repair/remodel projects in older homes with “lead bends” where replacement of the flange and piping is not possible, installers often prefer to use a brass closet flange ring. Many of our contractors use urinal flanges when connecting wall-mounted urinals in commercial bathrooms. These fittings connect the urinal to the 2" drain pipe and include a sponge-rubber gasket and fastening hardware. The inside-fit connection is exclusive to Sioux Chief and can be installed after the wall has been finished around the pipe.



Spacer & Repair Rings

Installers use Sioux Chief's spacer and repair rings to repair or adapt closet flanges for specific applications, such as when new or thicker flooring is added. The Quick Spacer™ installs under the flange, while the Raise-A-Ring™ is typically set on top of the flange, and can be stacked if necessary. For repairs to cracked or broken flanges, installers can fit Sioux Chief's stainless steel Ringer™ over the damaged flange and fasten it to the floor. Also available is a two-piece repair ring, designed to replace rusted or broken metal swivel rings without replacing the plastic portion of the flange.





883-PT



887-AM



889-POM

» Buying Information							
PVC ITEM #	ABS ITEM #	CONNECTION	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.	UPC LISTED
KNOCKOUT FLANGES							
883-PT	883-AT	3" Hub / Inside 4"	One-Piece, TKO Closet Flange	B*	25	25	YES
883-PTPK	883-ATPK	3" Hub / Inside 4"	One-Piece, TKO Closet Flange	C*	8	8	YES
886-PTS	886-ATS	3" Spigot	One-Piece, TKO Closet Flange	B*	25	25	YES
886-PT30	N/A	3" Sch. 30 Hub	One-Piece, TKO Closet Flange	B*	25	25	NO
886-4PT	886-4AT	4" Hub	One-Piece, TKO Closet Flange	B*	25	25	YES
886-4PTS	886-4ATS	4" Spigot	One-Piece, TKO Closet Flange	B*	25	25	YES
884-PTM	884-ATM	3" Hub / Inside 4"	SS Swivel-Ring, TKO Closet Flange, 2-1/2" Long Hub	B*	24	24	YES
884-PTMPK	884-ATMPK	3" Hub / Inside 4"	SS Swivel-Ring, TKO Closet Flange	C*	8	8	YES
886-PTMS	886-ATMS	3" Spigot	SS Swivel-Ring, TKO Closet Flange	B*	25	25	YES
886-PTMSPK	886-ATMSPK	3" Spigot	SS Swivel-Ring, TKO Closet Flange	C*	8	8	YES
888-PTM	888-ATM	Inside 3"	SS Swivel-Ring, TKO Closet Flange	B*	25	25	NO
888-PTMPK	888-ATMPK	Inside 3"	SS Swivel-ring, TKO Closet Flange	C*	8	8	NO
886-PTM30	N/A	3" Sch. 30 Hub	SS Swivel-Ring, TKO Closet Flange	B*	25	25	NO
886-4PTM	886-4ATM	4" Hub	SS Swivel-Ring, TKO Closet Flange	B*	25	25	YES
886-4PTMPK	886-4ATMPK	4" Hub	SS Swivel-Ring, TKO Closet Flange	C*	8	8	YES
886-4PTMS	886-4ATMS	4" Spigot	SS Swivel-Ring, TKO Closet Flange	B*	25	25	YES
886-4PTMSPK	886-4ATMSPK	4" Spigot	SS Swivel-Ring, TKO Closet Flange	C*	8	8	YES
OPEN FLANGES							
888-P	888-A	Inside 3"	One-Piece Closet Flange	B*	20	20	NO
888-PPK	888-APK	Inside 3"	One-Piece Closet Flange	C*	10	10	NO
886-P	886-A	3" Hub / Inside 4"	One-Piece Closet Flange	B*	20	20	YES
886-PPK	886-APK	3" Hub / Inside 4"	One-Piece Closet Flange	C*	10	10	YES
886-4P	886-4A	4" Hub	One-Piece Closet Flange	B*	25	25	YES
886-4PPK	886-4APK	4" Hub	One-Piece Closet Flange	C*	6	6	YES
886-4PS	N/A	4" Spigot	One-Piece Closet Flange	B*	25	25	YES
888-PM	888-AM	Inside 3"	SS Swivel-Ring Closet Flange, 4" Long Outlet	B*	12	12	NO
887-PM	887-AM	3" Hub / Inside 4"	SS Swivel-Ring Closet Flange	B*	25	25	YES
886-4PM	886-4AM	4" Hub	SS Swivel-Ring Closet Flange	B*	25	25	YES
886-4PMSPK	886-4AMSPK	4" Spigot	SS Swivel-Ring Closet Flange	C*	6	6	YES
OFFSET FLANGES							
889-POM	889-AOM	3" Hub / Inside 4"	SS Swivel-Ring, Full Flush 1-1/2" Offset Closet Flange	B*	20	20	YES
889-POMPK	889-AOMPK	3" Hub / Inside 4"	SS Swivel-Ring, Full Flush 1-1/2" Offset Closet Flange	C*	6	6	YES
889-POTM	889-AOTM	3" Hub / Inside 4"	SS Swivel-Ring, Full Flush 1-1/2" Offset Closet Flange W/ TKO Knockout	B*	20	20	YES
889-GPOM	889-GAOM	Inside 4"	SS Swivel-Ring, Full Flush 1-1/2" Offset Closet Flange W/ Push Tite Gasket Connection	C*	4	4	NO
889-45PM	889-45AM	3" Spigot	SS Swivel-Ring, Drop-Kick 45° Offset Closet Flange	B*	20	20	YES
889-45PMPK	889-45AMPK	3" Spigot	SS Swivel-Ring, Drop-Kick 45° Offset Closet Flange	C*	10	10	YES
889-45PMPK2	889-45AMPK2	3" Spigot	SS Swivel-Ring, Drop-Kick 45° Offset Closet Flange	C*	6	6	YES



Indicated in above column

PACKAGING:

B = Bulk

C = Cut Case

* Individually Bar-Coded



886-GP



868-7A



886-R / 886-RQ

Buying Information

PVC ITEM #	ABS ITEM #	CONNECTION	DESCRIPTION	PKG.	MIN. QTY.	CASE QTY.	UPC LISTED
PUSH-IN FLANGES							
888-GPM	888-GAM	Inside 3"	SS Swivel-Ring, Push Tite W/ Extended Outlet	C*	6	6	NO
887-GPM	887-GAM	Inside 4"	SS Swivel-Ring, Push Tite Closet Flange	C*	6	6	NO
886-GP	886-GA	Inside 4"	One-Piece, Push Tite W/ Extended Outlet	C*	5	5	NO
887-GPTMK	N/A	Inside 4"	Push Tite Kit: 886-GP, Wax Ring, Closet Bolts & Shims	C*	6	6	NO
SPECIALTY FLANGES							
890-i42	N/A	Over 4" Compress.	Cast Iron Flange W/ Elastomer Gasket / Test Cap	B*	5	5	YES
890-4BPK	N/A	Over 4" lead	Cast Brass Flange Ring	C*	10	10	NO
890-4BDPK	N/A	Over 4" lead	Cast Brass Deep-Seal Flange Ring	C*	10	10	NO
868-5P	868-5A	2" Hub	Urinal Flange Kit W/ Gasket & Hardware	B*	10	10	NO
868-7P	868-7A	Inside 2"	Urinal Flange Kit W/ Gasket & Hardware	B*	10	10	NO
868-9P	868-9A	2" Spigot	Urinal Flange Kit W/ Gasket & Hardware	B*	10	10	NO
SPACER & REPAIR RINGS							
886-MR	N/A	Repair	Stainless Steel Ringer One-Piece Repair Ring	C*	20	20	NO
886-MRPK	N/A	Repair	Stainless Steel Ringer One-Piece Repair Ring	B*	10	10	NO
886-MRM	N/A	Repair	Galvanized Two-Piece Repair Ring W/ Hardware	C*	8	8	NO
886-R	N/A	Spacer	7/16" Thick Raise-A-Ring ABS Spacer / Extension Ring	C*	20	20	NO
886-RQ	N/A	Spacer	1/4" Thick Raise-A-Ring ABS Spacer / Extension Ring	C*	20	20	NO
886-411	N/A	Spacer	Spacer/Extension Kit: 886-R, Closet Bolts & Shims	C*	20	20	NO
886-ER	N/A	Spacer	3/4" Thick Quick Spacer Spacer Ring	B*	25	25	NO



Indicated in above column

PACKAGING:

B = Bulk

C = Cut Case

* Individually Bar-Coded

Shower Drains

»» First in Innovation. First in Quality.



Complete

A complete line of shower drain models means the right product is available for any installation.

Innovative

Exclusive designs with unique features provide solutions for contractors.

Trusted

Designed, engineered and manufactured in the USA using only top-quality materials.



“ Our company uses Sioux Chief’s shower drains exclusively. The 821 models provide generous weep hole openings, and the brass inserts allow us to install the flashing clamp without stripping the threads. I especially like the versatility of the strainer options. Special finish strainers are readily available and easily snapped into place. ”

Chief Operating Officer
Ridgeway Plumbing
Boynton Beach, FL

Shower Pan Drains

821 Series with Stainless Steel Strainer

The 821 Series has become the industry standard drain for showers with tile floors.

- PVC or ABS base adapter with 2" Sch. 40 hub x inside 3" connection.
- Invertible clamping collar provides 2" of head adjustment.
- Available with thin plastic strainer rim for easy removal/replacement or no rim for a clean look.
- Snap-in or screw-on strainers in stamped 430 stainless steel. All 821 drain heads accept both snap-in and screw-on types.
- Replacement strainers available in stainless, oil-rubbed bronze finish, satin finish, white enamel, and polished brass finish.



Round-to-Square Strainer Adapter Kit

A square strainer is often preferred in tile-floor showers to simplify the tile cuts made around the drain.

- No need to buy/stock two different drains - the easy-to-install kit converts round drain head for square strainer.
- Allows drains to be converted even after the mortar bed is poured around the drain head.
- Kit includes round-to-square adapter, mounting screws, and square snap-in strainer.
- Strainers available in stainless, oil-rubbed bronze finish, and satin finish.



DoubleDuty™ Test Plug

During installations of 821 Series shower drains, Sioux Chief recommends performing two tests to reduce the occurrence of leaks: a test of the drain-to-pipe connection and a "flood test" of the waterproofing membrane.

- The unique DoubleDuty plug seals the drain above the pipe and below the clamping collar, allowing both tests to be performed properly.
- Easy to install and remove - eliminates inflatable test balls and other glue-in or mechanical plugs.



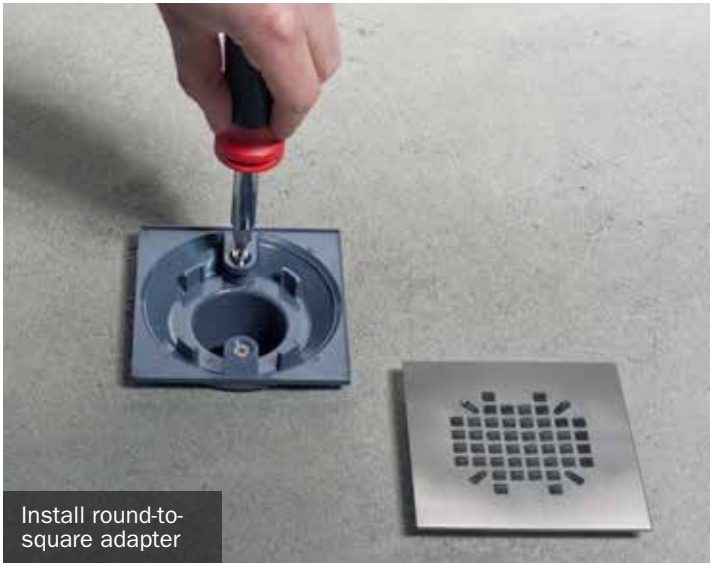
Patent #7,624,759



Screw-on strainer with plastic rim



Snap-in strainer - no plastic rim



Install round-to-square adapter



Snap new square strainer in place



DoubleDuty plug seals for DWV pressure test



DoubleDuty plug seals for shower pan flood test

Shower Pan Drains

821 Series with Cast Ring & Strainer

Premium ring and strainer options for the 821 Series compliment both the tile and other shower fixtures.

- Solid, cast nickel-bronze ring and strainer available with a natural, satin finish or oil-rubbed bronze powder-coat finish. Round or square pattern.
- Solid, cast stainless steel ring and strainer available with a matte or high-polish finish. Round or square pattern.
- Round or square chrome-plated head/strainer also available.



863 Series for Large Capacity

The 863 Series drains are suitable for showers having larger-capacity drain needs.

- Solid, cast nickel-bronze ring and strainer available with a natural, satin finish or oil-rubbed bronze powder-coat finish. Round or square pattern.
- Solid, cast stainless steel ring and strainer available with a matte or high-polish finish. Round or square pattern.



Halo™ Drain for Showers

The Halo drain offers unique features not typically found on standard shower drains.

- Wide, stainless steel mounting flange and clamping collar allow for a low-profile installation that's perfect for "thin-bed" tile floor installations.
- Solid, cast nickel-bronze ring and strainer with a natural, satin finish. Round or square pattern.
- Solid, cast stainless steel ring and strainer available with a matte or high-polish finish. Round or square pattern.



Cast Iron Shower Pan Drains

For areas or applications calling for a cast iron shower pan drain.

- Adjustable, 3-piece model has chrome-plated head and strainer with cast iron body/collar with 2" no-hub or FIP connection.
- For "hot-mop" style installations, a 2-piece model with 2" no-caulk or FIP connection is available.

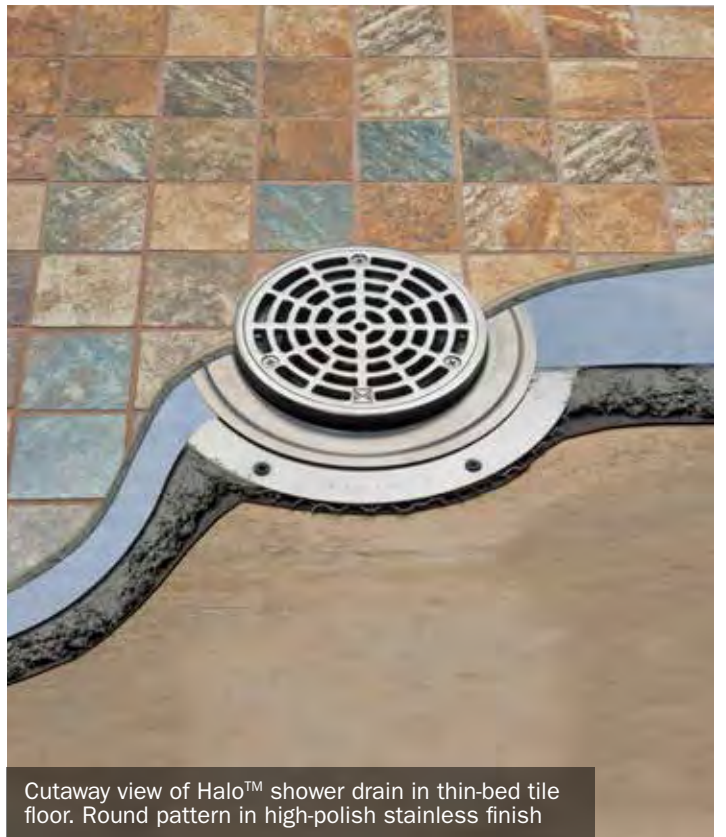




863 Series drain - round pattern in oil-rubbed bronze finish



821 Series drain - square pattern in high-polish stainless finish



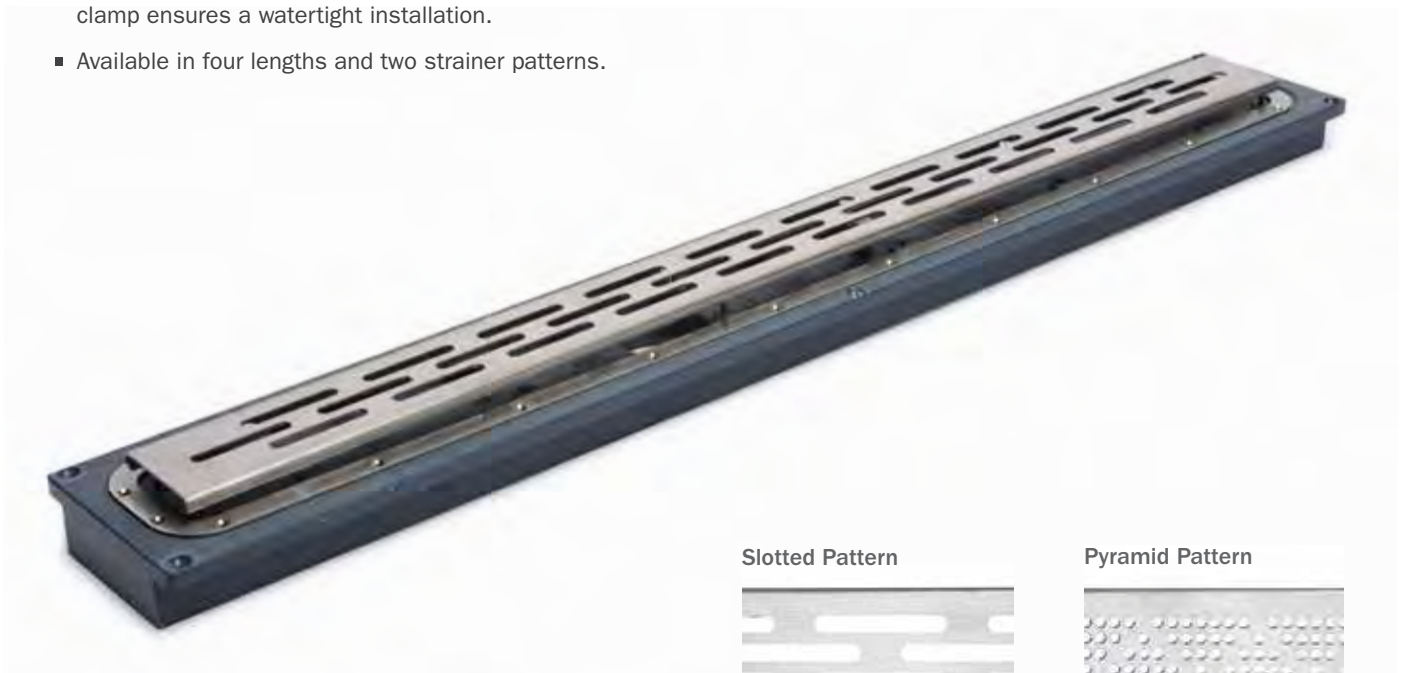
Cutaway view of Halo™ shower drain in thin-bed tile floor. Round pattern in high-polish stainless finish

Shower Pan Drains

StreamLine™

The StreamLine linear shower drain offers a unique, contemporary appearance and functional design to shower drain selection.

- Uses a single uni-directional floor slope, which allows for use of larger (floor-size) tiles in shower area.
- Perfect for residential, barrier-free, and ADA showers, or along thresholds for overflow control.
- Seamless, internally-sloped, PVC body with unique stainless steel membrane clamp ensures a watertight installation.
- Available in four lengths and two strainer patterns.



Product Video

Learn more about installing the StreamLine by visiting our YouTube page. The featured animation describes the components of the StreamLine system, explains the features and benefits and takes the viewer through the differences between the thin-bed and full-mortar-bed installation methods.





Shower Module Drains

Receptor Base Style

The 825 Series is a “receptor base” style shower drain designed for bases or modules. This design threads together (top threads into receptor base), sandwiching the shower floor.

- PVC or ABS Sch. 40 connection in 2" hub or 1-1/2" hub x 2" spgt.
- Snap-in or screw-on strainers in stamped 430 stainless steel. All 825 drains accept both snap-in and screw-on types.
- Replacement strainers available in stainless, oil rubbed bronze finish, satin finish, white enamel and polished brass finish.



“ One of Sioux Chief’s products that works great for us is the 825 Shower Drain. We went to this drain after some of the other brand drains had failed. The thing about regular drains is if the silicone breaks loose and there is a leak, and if the leak is in the second story, you’re going to be cutting out someone’s ceiling to fix the shower drain plus sheetrock repairs. With the Sioux Chief 825 Shower Drain, you can reseal it from the shower drain hole, not cutting sheetrock, so you’re in and out of the house fast! The great thing about Sioux Chief is that they listen to the plumber. They make high-quality parts that really work. ”

Shop Foreman
B & R Plumbing
Spanaway, WA

Outer Locknut Style

The “outer locknut” style shower drain is also designed for bases or modules. On these models, a locknut attaches the drain body to the shower floor.

- Brass and plastic models with 2" no-caulk connection.
- The unique JackRabbit model uses jacking bolts to attach the drain without the need to thread the outer locknut. Perfect for confined spaces.
- Push-joint gasket and combo-connection models also available.
- Snap-in strainers in stamped 430 stainless steel.
- Replacement strainers available in stainless, oil rubbed bronze finish, satin finish, white enamel and polished brass finish.





825 Series receptor-base drain with optional strainer in oil-rubbed bronze finish

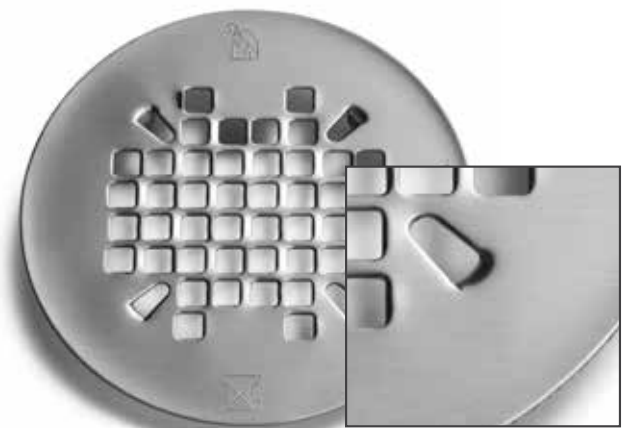


827-2B brass no-caulk outer-locknut style drain with snap-in stainless steel strainer

Strainer Finishes



Stainless Steel
Snap-in or Screw-on model
430 material, polished finish



Satin Finish
Snap-in or Screw-on model
430 material, satin finish



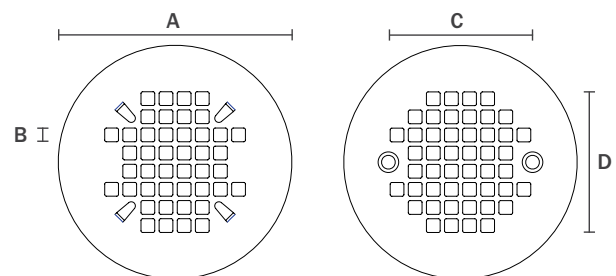
Oil-Rubbed Bronze
Snap-in or Screw-on model
430 material, powder-coat finish



White Enamel
Snap-in or Screw-on model
430 material, baked-on finish



Polished Brass
Snap-in or Screw-on model
430 material, PVD finish



A- Diameter	4-1/4"
B- Grid opening	1/4"
C- Screw centerline	2-5/8"
D- Grid Pattern	2-9/16"
Open area	3 in ²



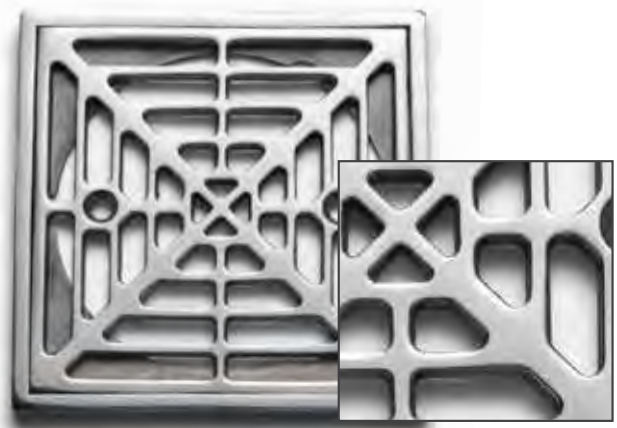
Nickel-Bronze
 Round or Square Pattern
 Solid cast material, satin finish



Stainless Steel
 Round or Square Pattern
 Solid cast material, matte finish



Oil-Rubbed Bronze
 Round or Square Pattern
 Nickel-bronze base material, powder-coat finish



Stainless Steel
 Round or Square Pattern
 Solid cast material, polished finish

Strainer Display Board

For wholesaler showroom areas, a display board is available which includes four samples of Sioux Chief's premium cast ring/strainer options for the 821 Series drains. The strainers displayed help demonstrate both the look and feel of the finishes (oil-rubbed bronze, natural/satin nickel-bronze, polished stainless, and matte stainless) and the round and square patterns available. Contact your local sales representative to obtain a strainer display board.





821-200P



821-2LSFN



821-200ASR



821-2PCP

Buying Information

PVC ITEM #	ABS ITEM #	DESCRIPTION	CONNECTION	PKG.	MIN.	CASE
821 SHOWER PAN DRAINS WITH STAINLESS STEEL STRAINER						
821-200P	821-200A	Screw-on strainer, Brass screw inserts, Plastic strainer rim	2" Sch. 40 hub	B*	20	20
821-T200P	821-T200A	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	10	10
821-200PPK	821-200APK	Screw-on strainer, Brass screw inserts, Plastic strainer rim	2" Sch. 40 hub	C*	8	8
821-2LSPCI		Head Only - screw-on strainer, Brass screw inserts, Plastic strainer rim	2" Male thread	B*	10	10
821-2P	821-2A	Screw-on strainer, No inserts, Plastic strainer rim	2" Sch. 40 hub	B*	20	20
821-T2P	821-T2A	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	10	10
821-2PPK	821-2APK	Screw-on strainer, No inserts, Plastic strainer rim	2" Sch. 40 hub	C*	8	8
821-2LSPC		Head Only - screw-on strainer, No inserts, Plastic strainer rim	2" Male thread	B*	10	10
821-2080P	821-2080A	Screw-on strainer, Brass screw inserts, No strainer rim	2" Sch. 40 hub	B*	20	20
821-T2080P	821-T2080A	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	20	20
821-2LSFCI		Head Only - screw-on strainer, Brass screw inserts, No strainer rim	2" Male thread	B*	10	10
821-280P	821-280A	Screw-on strainer, No inserts, No strainer rim	2" Sch. 40 hub	B*	20	20
821-T280P	821-T280A	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	10	10
821-2LSFC		Head Only - Screw-on strainer, No inserts, No strainer rim	2" Male thread	B*	10	10
821-270P	821-270A	Snap-in strainer, Plastic strainer rim	2" Sch. 40 hub	B*	20	20
821-T270P	821-T270A	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	10	10
821-2LSPN		Head Only - Snap-in strainer, Plastic strainer rim	2" Male thread	B*	10	10
821-270PQ	821-270AQ	Square, snap-in strainer using Round-to-Square kit, Plastic strainer rim	2" Sch. 40 hub	B*	20	20
821-T270PQ	821-T270AQ	Square, snap-in strainer using Round-to-Square kit, Plastic strainer rim, Double Duty™ test plug	2" Sch. 40 hub	B*	10	10
821-2LSQP		Square, snap-in strainer using Round-to-Square kit, Plastic strainer rim	2" Sch. 40 hub	B*	20	20
821-2780P	821-2780A	Snap-in strainer, No strainer rim	2" Sch. 40 hub	B*	10	10
821-T2780P	821-T2780A	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	10	10
821-2LSFN		Head Only - Snap-in strainer, No strainer rim	2" Male thread	B*	10	10
821 SHOWER PAN DRAINS WITH CAST RING & STRAINER						
821-200PNR	821-200ANR	Nickel-bronze ring & strainer, Round pattern	2" Sch. 40 hub	B*	5	5
821-T200PNR	821-T200ANR	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-2LNR		Head Only - Nickel-bronze ring & strainer, Round pattern	2" Male thread	B*	1	5
821-200PNQ	821-200ANQ	Nickel-bronze ring & strainer, Square pattern	2" Sch. 40 hub	B*	1	5
821-T200PNQ	821-T200ANQ	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	1	5
821-2LNQ		Head Only - Nickel-bronze ring & strainer, Square pattern	2" Male thread	B*	1	5
821-200PSR	821-200ASR	Matte stainless ring & strainer, Round pattern	2" Sch. 40 hub	B*	5	5
821-T200PSR	821-T200ASR	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-2LSR		Head Only - matte stainless ring & strainer, Round pattern	2" Male thread	B*	1	5
821-200PSQ	821-200ASQ	Matte stainless ring & strainer, Square pattern	2" Sch. 40 hub	B*	1	5
821-T200PSQ	821-T200ASQ	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	1	5
821-2LSQ		Head Only - matte stainless ring & strainer, Square pattern	2" Male thread	B*	1	5
821-200PCR	821-200ACR	Polished stainless ring & strainer, Round pattern	2" Sch. 40 hub	B*	5	5
821-T200PCR	821-T200ACR	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-2LCR		Head Only - Polished stainless ring & strainer, Round pattern	2" Male thread	B*	1	5
821-200PCQ	821-200ACQ	Polished stainless ring & strainer, Square pattern	2" Sch. 40 hub	B*	1	5
821-T200PCQ	821-T200ACQ	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	1	5
821-2LCQ		Head Only - Polished stainless ring & strainer, Square pattern	2" Male thread	B*	1	5
821-200PRBR	821-200ARBR	Oil-rubbed bronze finish ring & strainer, Round pattern	2" Sch. 40 hub	B*	1	5
821-T200PRBR	821-T200ARBR	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	1	5
821-2LRBR		Head Only - Oil-rubbed bronze finish ring & strainer, Round pattern	2" Male thread	B*	1	5
821-200PRBQ	821-200ARBQ	Oil-rubbed bronze finish ring & strainer, Square pattern	2" Sch. 40 hub	B*	1	5
821-T200PRBQ	821-T200ARBQ	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	1	5
821-2LRBQ		Head Only - Oil-rubbed bronze finish ring & strainer, Square pattern	2" Male thread	B*	1	5
821-2PCP	821-2ACP	Chrome-plated head & strainer, Round pattern	2" Sch. 40 hub	B*	1	5
821-T2PCP	821-T2ACP	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-HCP		Head Only - Chrome-plated head & strainer, Round pattern	2" Male thread	B*	1	5
821-2PQCP	821-2AQCP	Chrome-plated head & strainer, Square pattern	2" Sch. 40 hub	B*	1	5
821-T2PQCP	821-T2AQCP	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-HQCP		Head Only - Chrome-plated head & strainer, Square pattern	2" Male thread	B*	1	5
821-2PRB	821-2ARB	Oil-rubbed bronze finish head & strainer, Round pattern	2" Sch. 40 hub	B*	1	5
821-T2PRB	821-T2ARB	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-2LRB		Head Only - Oil-rubbed bronze finish head & strainer, Round pattern	2" Male thread	B*	1	5
821-2PQRB	821-2AQRB	Oil-rubbed bronze finish head & strainer, square pattern	2" Sch. 40 hub	B*	1	5
821-T2PQRB	821-T2AQRB	Item listed above, with Double Duty™ test plug	2" Sch. 40 hub	B*	5	5
821-2LQRB		Head Only - oil-rubbed bronze finish head & strainer, square pattern	2" Male thread	B*	1	5



863-435RBQ



822-M2PCQ



821-2IFS



823-32PSS

» Buying Information

PVC ITEM #	ABS ITEM #	DESCRIPTION	CONNECTION	PKG.	MIN.	CASE
863 LARGE-CAPACITY SHOWER PAN DRAINS WITH CAST RING & STRAINER						
863-435NR	863-335NR	Nickel-bronze ring & strainer, Round pattern	3" Sch. 40 hub	B*	1	6
863-435NQ	863-335NQ	Nickel-bronze ring & strainer, Square pattern	3" Sch. 40 hub	B*	1	2
863-435SR	863-335SR	Matte stainless ring & strainer, Round pattern	3" Sch. 40 hub	B*	1	6
863-435SQ	863-335SQ	Matte stainless ring & strainer, Square pattern	3" Sch. 40 hub	B*	1	2
863-435CR	863-335CR	Polished stainless ring & strainer, Round pattern	3" Sch. 40 hub	B*	1	6
863-435CQ	863-335CQ	Polished stainless ring & strainer, Square pattern	3" Sch. 40 hub	B*	1	2
863-435RBR	863-335RBR	Oil-rubbed bronze finish ring & strainer, Round pattern	3" Sch. 40 hub	B*	1	6
863-435RBQ	863-335RBQ	Oil-rubbed bronze finish ring & strainer, Square pattern	3" Sch. 40 hub	B*	1	2
HALO™ SHOWER DRAINS						
822-M2PNR	822-M2ANR	Nickel-bronze ring & strainer, Round pattern	2" Sch. 40 Hub	B*	1	4
822-M2PNQ	822-M2ANQ	Nickel-bronze ring & strainer, Square pattern	2" Sch. 40 Hub	B*	1	4
822-M2PSR	822-M2ASR	Matte stainless ring & strainer, Round pattern	2" Sch. 40 Hub	B*	1	4
822-M2PSQ	822-M2ASQ	Matte stainless ring & strainer, Square pattern	2" Sch. 40 Hub	B*	1	4
822-M2PCR	822-M2ACR	Polished stainless ring & strainer, Round pattern	2" Sch. 40 Hub	B*	1	1
822-M2PCQ	822-M2ACQ	Polished stainless ring & strainer, Square pattern	2" Sch. 40 Hub	B*	1	4
822-M3PNR	822-M3ANR	Nickel-bronze ring & strainer, Round pattern	3" Sch. 40 Hub	B*	1	4
822-M3PNQ	822-M3ANQ	Nickel-bronze ring & strainer, Square pattern	3" Sch. 40 Hub	B*	1	4
822-M3PSR	822-M3ASR	Matte stainless ring & strainer, Round pattern	3" Sch. 40 Hub	B*	1	4
822-M3PSQ	822-M3ASQ	Matte stainless ring & strainer, Square pattern	3" Sch. 40 Hub	B*	1	4
822-M3PCR	822-M3ACR	Polished stainless ring & strainer, Round pattern	3" Sch. 40 Hub	B*	1	1
822-M3PCQ	822-M3ACQ	Polished stainless ring & strainer, Square pattern	3" Sch. 40 Hub	B*	1	4
CAST IRON SHOWER PAN DRAINS						
821-2IHCP		3-piece cast iron drain, Chrome-plated head & strainer, Round pattern	2" No-Hub	C*	1	5
821-2IHQCP		3-piece cast iron drain, Chrome-plated head & strainer, Square pattern	2" No-Hub	C*	1	5
821-2ITCP		3-piece cast iron drain, Chrome-plated head & strainer, Round pattern	2" FIP Thread	C*	1	5
821-2ITQCP		3-piece cast iron drain, Chrome-plated head & strainer, Square pattern	2" FIP Thread	C*	1	5
821-2IH		Base & collar only for 3-piece cast iron drain - combine with 821 series Head Only	2" No-Hub	C*	1	10
821-2IT		Base & collar only for 3-piece cast iron drain - combine with 821 series Head Only	2" FIP Thread	C*	1	10
821-2INS		2-piece cast iron drain with screw-on stainless crown/ring & strainer	2" No-Caulk	C*	1	4
821-2IFS		2-piece cast iron drain with screw-on stainless crown/ring & strainer	2" FIP Thread	C*	4	4
821-HSR		Stainless crown/ring & strainer only for Hot-Mop Drain		C*	1	10
821-HPR		Polished brass crown/ring & strainer only for Hot-Mop Drain		C*	1	10
821-HSQ		Stainless tile ring only, 4-1/4" square for Hot-Mop Drain		C*	1	10
STREAMLINE™ LINEAR SHOWER DRAIN						
823-24PSP	n/a	24" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-24PSS	n/a	24" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-FK24		Full-mortar-bed adapter kit for 24" StreamLine		B*	2	1
823-32PSP	n/a	32" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-32PSS	n/a	32" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-FK32		Full-mortar-bed adapter kit for 32" StreamLine		B*	3	1
823-40PSP	n/a	40" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-40PSS	n/a	40" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-FK40		Full-mortar-bed adapter kit for 40" StreamLine		B*	4	1
823-60PSP	n/a	60" length, Pyramid pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-60PSS	n/a	60" length, Slotted pattern stainless steel strainer, PVC connection	2" Sch. 40 hub	B*	1	1
823-FK60		Full-mortar-bed adapter kit for 60" StreamLine		B*	5	1
SHOWER MODULE DRAINS WITH STAINLESS STEEL STRAINER						
825-10P	825-10A	Receptor-base style, Screw-on strainer, brass inserts	1-1/2" Sch. 40 hub x 2" spgt.	B*	20	20
825-20P	825-20A	Receptor-base style, Screw-on strainer, brass inserts	2" Sch. 40 hub	B*	20	20
825-1P	825-1A	Receptor-base style, Screw-on strainer, no inserts	1-1/2" Sch. 40 hub x 2" spgt.	B*	20	20
825-2P	825-2A	Receptor-base style, Screw-on strainer, no inserts	2" Sch. 40 hub	B*	20	20
825-2PPK	825-2APK	Receptor-base style, Screw-on strainer, no inserts	2" Sch. 40 hub	B*	12	12
825-2PFS	825-2AFS	Receptor-base style, Screw-on strainer, no inserts, 3/4" offset	2" Sch. 40 hub	B*	10	10
825-17P	825-17A	Receptor-base style, Snap-in strainer	1-1/2" Sch. 40 hub x 2" spgt.	B*	20	20
825-27P	825-27A	Receptor-base style, Snap-in strainer	2" Sch. 40 hub	B*	20	20



825-2P



827-2B



821-HP2



821-2SPK1

Buying Information

PVC ITEM #	ABS ITEM #	DESCRIPTION	CONNECTION	PKG.	MIN.	CASE
SHOWER MODULE DRAINS WITH STAINLESS STEEL STRAINER						
	827-2B	Outer-locknut style, Snap-in strainer, brass body	2" No-Caulk	B*	1	10
	827-2BG	Replacement no-caulk gasket for 827-2B (Fits 2" Sch. 40 PVC/ABS)		B*	10	100
	827-2J	Jacking Bolt Outer-locknut style, Snap-in strainer, brass body	2" No-Caulk	B*	1	6
	828-2	Outer-locknut style, Snap-in strainer, PVC body	2" No-Caulk	B*	1	20
	828-2PK	Outer-locknut style, Snap-in strainer, PVC body	2" No-Caulk	B*	10	10
826-2P	826-2A	Outer-locknut style, Snap-in strainer, full-slip glue hub or gasket	2" Combo	B*	1	20
826-2PPK	n/a	Outer-locknut style, Snap-in strainer, full-slip glue hub or gasket	2" Combo	B*	10	10
	826-2S	Replacement strainer for 826, Stainless, Snap-in		B*	1	100
	826-2SP	Replacement strainer for 826, Polished Brass finish, Snap-in		B*	1	100
	829-S2	Outer-locknut style, Snap-in strainer	2" Push Gasket	B*	1	20
ITEM NO.	DESCRIPTION		PKG.	MIN.	CASE	
SHOWER DRAIN STRAINERS & ACCESSORIES						
	821-HP2	PVC Drain body & collar only for 821series		B*	25	25
	821-THP2	Item listed above, with Double Duty™ test plug		B*	25	25
	821-HA2	ABS Drain body & collar only for 821series		B*	25	25
	821-THA2	Item listed above, with Double Duty™ test plug		B*	25	25
	821-TP	Double Duty™ test plug for 821 series		B*	10	10
	821-2QARB	Round-to-Square strainer & adapter kit, Oil-rubbed bronze finish strainer		C*	5	5
	821-2QAS	Round-to-Square strainer & adapter kit, Stainless steel strainer		C*	5	5
	821-2QASN	Round-to-Square strainer & adapter kit, Satin finish strainer		C*	5	5
	827-2S	Replacement strainer, Stainless, Snap-in		B*	1	100
	827-2SPK1	Replacement strainer, Stainless, Snap-in, Clamshell		C*	10	10
	827-2SN	Replacement strainer, Satin finish, Snap-in		B*	1	100
	827-2SNPK1	Replacement strainer, Satin finish, Snap-in, Clamshell		C*	6	6
	827-2RB	Replacement strainer, Oil-rubbed bronze finish, Snap-in		B*	1	100
	827-2RBP1	Replacement strainer, Oil-rubbed bronze finish, Snap-in, Clamshell		C*	6	6
	827-2SWPK1	Replacement strainer, White enamel, Snap-in, Clamshell		C*	6	6
	827-2SP	Replacement strainer, Polished brass finish, Snap-in		B*	1	100
	827-2SPPK1	Replacement strainer, Polished brass finish, Snap-in, Clamshell		C*	10	10
	821-2S	Replacement strainer, Stainless, Screw-on, with screws		B*	1	100
	821-2SPK1	Replacement strainer, Stainless, Screw-on, with screws, Clamshell		C*	10	10
	825-2SN	Replacement strainer, Satin finish, Screw-on, with screws		B*	1	100
	821-2RB	Replacement strainer, Oil-rubbed bronze finish, Screw-on, with screws		B*	1	100
	821-2SW	Replacement strainer, White enamel, Screw-on, with screws		B*	1	100
	821-2SP	Replacement strainer, Polished Brass finish, Screw-on, with screws		B*	1	100
	821-2SNRPK1	Cast ring & strainer, Nickel-bronze, Round pattern, Clamshell		C*	6	6
	821-2SNQPK1	Cast ring & strainer, Nickel-bronze, Square pattern, Clamshell		B*	1	10
	821-2SN	Cast strainer, Nickel-bronze, Round pattern		B*	1	10
	821-2SSRPK1	Cast ring & strainer, Matte Stainless, Round pattern, Clamshell		B*	1	10
	821-2SSQPK1	Cast ring & strainer, Matte Stainless, Square pattern, Clamshell		B*	1	10
	821-2SS	Cast strainer, Matte Stainless, Round pattern		B*	1	10
	821-2SCQPK1	Cast ring & strainer, Polished stainless, Square pattern, Clamshell		B*	1	10
	821-2SCRPK1	Cast ring & strainer, Polished stainless, Round pattern, Clamshell		B*	1	10
	821-2SRBQPK1	Cast ring & strainer, Oil-rubbed bronze finish, Square pattern, Clamshell		B*	1	10
	821-2SRBRPK1	Cast ring & strainer, Oil-rubbed bronze finish, Round pattern, Clamshell		C*	6	6
	821-2SRB	Cast strainer, Oil-rubbed bronze finish, Round pattern		B*	1	10

PACKAGING:

B = Bulk

C = Cut Case

* Individually Bar-Coded

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Peculiar, Missouri 64078
P 1.800.821.3944
F 1.800.758.5950

#LT2-SHWRDRAIN

www.siouxchief.com

A. 11/14 SHOWER DRAIN



Halo™

▶▶ Adjustable Drain/Cleanout with Deck Flange



Unique

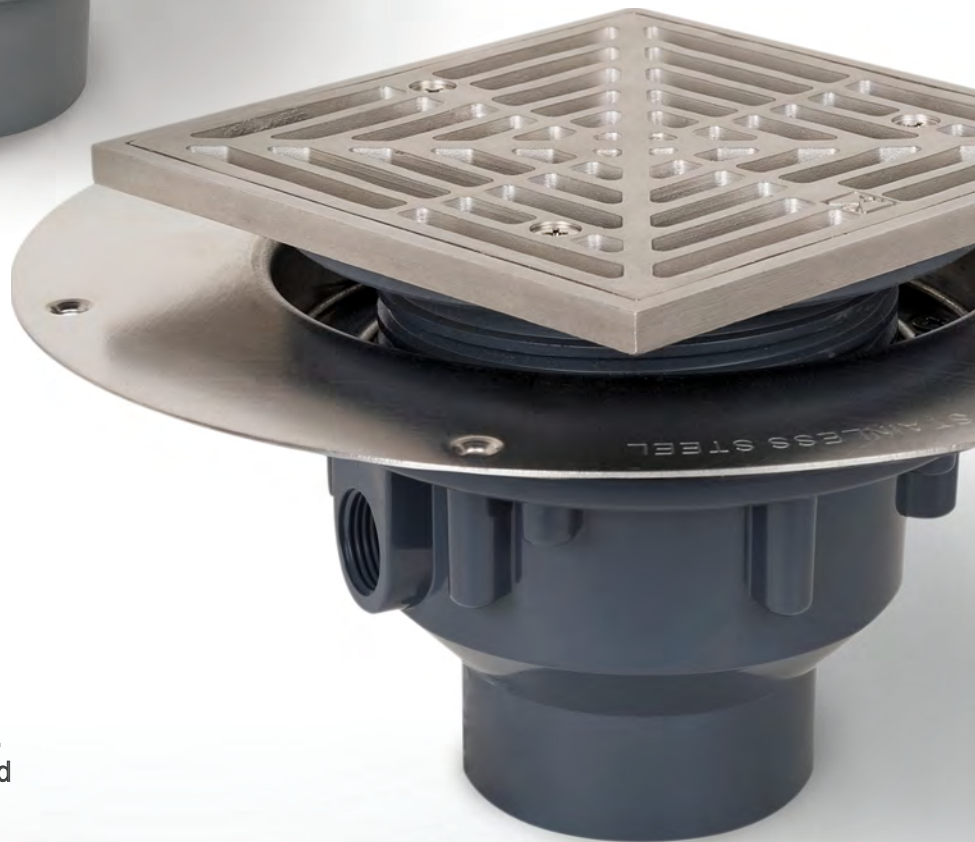
Stainless steel mounting flange. Adjustable head accommodates most flooring types. FinishLine option allows adjustment after the concrete pour

Versatile

Floor drain and cleanout models available. Suitable for residential or commercial applications

Practical

Great for laundry/mechanical rooms, loft remodels, multifamily projects, etc. Use in wood/corrugated decks or cored concrete floors



Supply

Drainage

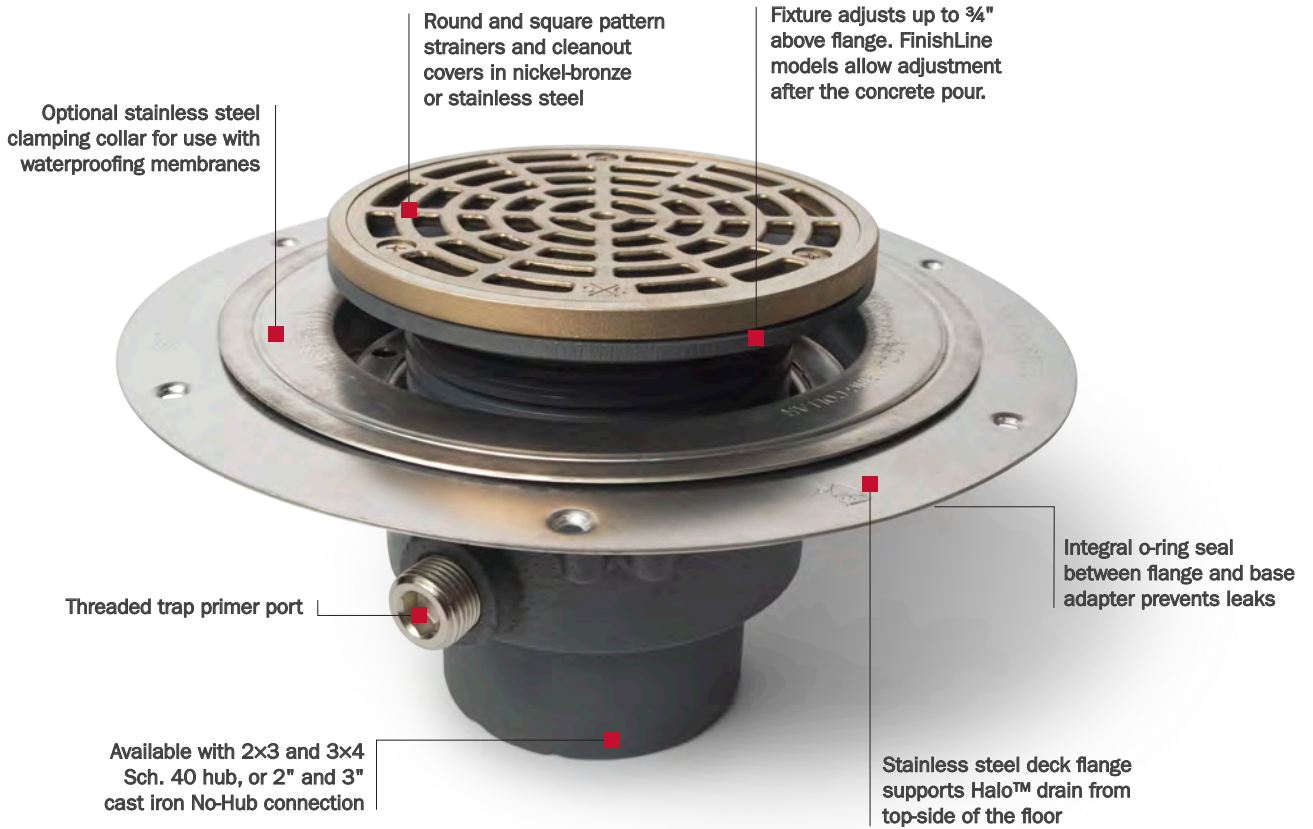
Support

www.siouxchief.com

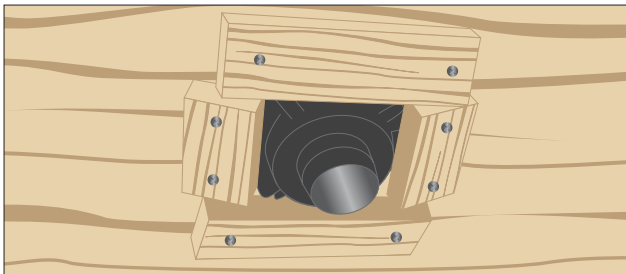
TAKE THE FIELD.



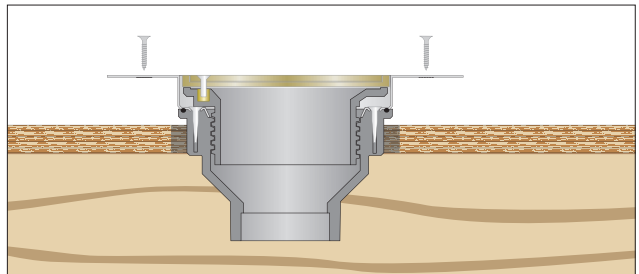
Features & Benefits



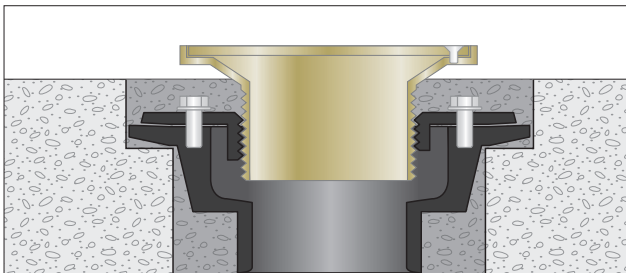
Installs Easier than Existing Methods



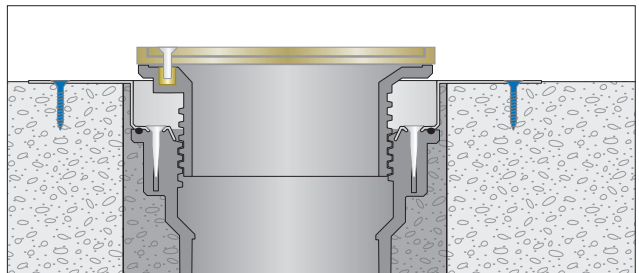
Blocking up a standard drain (with wood or strut) from under the floor is difficult and time consuming.



The Halo installs easily from the top side of the floor. Cut a 6" hole and secure with screws or nails.

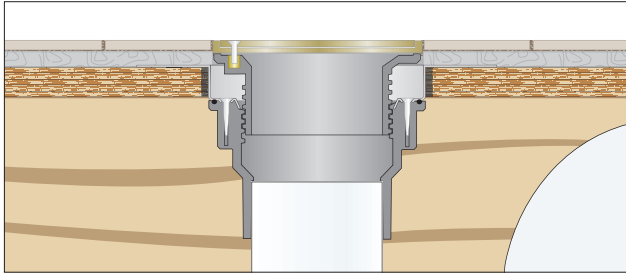


Standard drains require a more costly double-core in concrete slabs.

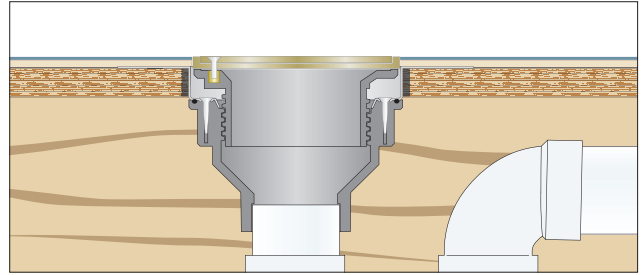


The Halo installs in a 6" cored (single) hole.

Adjustable to Finish Floor Level

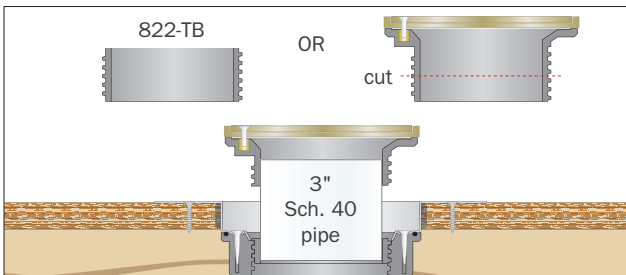


Head adjusts up to 3/4" for thicker flooring.
Most 3" traps will fit in a 12" joist cavity.

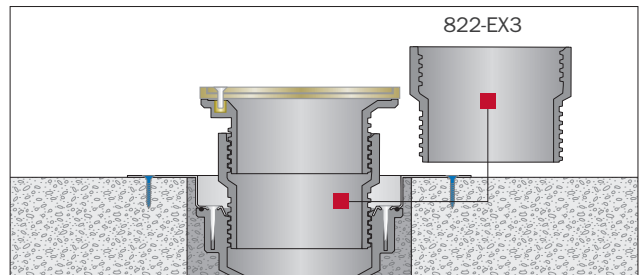


Minimal adjustment needed for thin flooring.
Most 2" traps will fit in a 10" joist cavity.

Extend the Head Adapter for Deeper Slab Pours

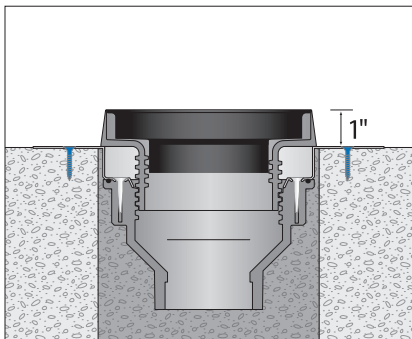


Using Pipe: Use the 822-TB or cut the head adapter across the threads. Glue a measured length of 3" Sch. 40 pipe between the two parts with solvent cement.

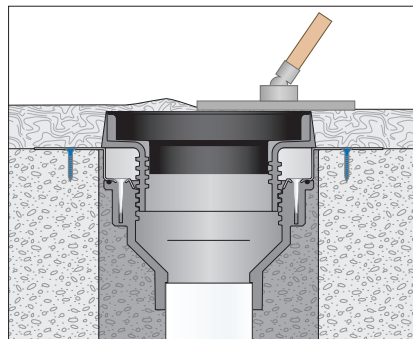


Extension Adapter: The 822-EX3 extension adapter installs between the Halo base and the head adapter. Stack multiple adapters if needed.

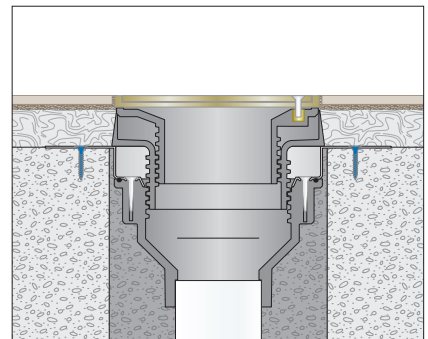
The FinishLine Option for Secondary Slab Pours



The FinishLine option allows adjustment after the pour. Set the Halo in place and the FinishLine plug/sleeve assembly sets 1" above the deck.



Finish secondary slab flush with the top surface of plug/sleeve assembly.



Remove the Coring Plug and replace with the Finish Fixture. The Finish Fixture can be adjusted up to another 1" after the secondary pour.

Halo™ Drains

Sch. 40 Hub Connection

- ABS or PVC connection. Outlet welds over 2" and inside 3" or over 3" and inside 4"
- Nickel-bronze or stainless steel ring and strainer – round or square pattern
- Integral trap primer port – drill/knockout to open. ½" FIP thread



“ Eric told us about the Halo drains he had learned about on his Sioux Chief plant tour, and they ended up being perfect for the job. We were able to core drill a smaller hole, drop in and fasten, then adjust the strainer. It saved us a considerable amount of time, not to mention a lot of headaches. ”

Brigham Wachal
Midwestern Mechanical

Cast Iron No-Hub Connection

- Epoxy-coated ductile iron base adapter and head. 2" or 3" no-hub connection
- Nickel-bronze or stainless steel ring and strainer – round or square pattern
- Tapped/plugged trap primer port. ½" FIP thread



Halo™ Cleanouts

Sch. 40 Hub Connection

- ABS or PVC connection. Outlet welds over 2" and inside 3" or over 3" and inside 4"
- Nickel-bronze or stainless steel ring and cleanout cover – round or square pattern
- Includes expandable/mechanical test plug to seal out sewer gases



Cast Iron No-Hub Connection

- Epoxy-coated ductile iron base adapter and head. 2" or 3" no-hub connection
- Nickel-bronze or stainless steel ring and cleanout cover – round or square pattern
- Includes expandable/mechanical test plug to seal out sewer gases



Note: Submittal Links for Halo Drains can be found on pages 327 & 328



822-F3DSR



822-2PNQ

» Drain Buying Information								
PVC ITEM #	ABS ITEM #	CAST IRON ITEM #	RING & STRAINER	SCH. 40 CONNECTION	NO-HUB CONNECTION	PKG	MIN QTY	CASE QTY
Halo Drain								
822-2PNR	822-2ANR	822-2DNR	Round Nickel Bronze	2"×3"	2"	B	1	4
822-2PSR	822-2ASR	822-2DSR	Round 304 Stainless	2"×3"	2"	B	1	4
822-2PS	822-2PAS	-	Round 18-ga. Stainless	2"×3"	-	B	1	4
822-2PNQ	822-2ANQ	822-2DNQ	Square Nickel Bronze	2"×3"	2"	B	1	4
822-2PSQ	822-2ASQ	822-2DSQ	Square 304 Stainless	2"×3"	2"	B	1	4
822-3PNR	822-3ANR	822-3DNR	Round Nickel Bronze	3"×4"	3"	B	1	4
822-3PSR	822-3ASR	822-3DSR	Round 304 Stainless	3"×4"	3"	B	1	4
822-3PS	822-3AS	-	Round 18-ga. Stainless	3"×4"	-	B	1	4
822-3PNQ	822-3ANQ	822-3DNQ	Square Nickel Bronze	3"×4"	3"	B	1	4
822-3PSQ	822-3ASQ	822-3DSQ	Square 304 Stainless	3"×4"	3"	B	1	4
FinishLine Halo Rough-In Drain								
822-2PF	822-2AF	822-2DF	Coring Plug	2"×3"	2"	B	1	1
822-3PF	822-3AF	822-3DF	Coring Plug	3"×4"	3"	B	1	1
FinishLine Halo Finish Fixture								
	832-3HNR	832-3DHNR	Round Nickel Bronze	-	-	B	1	10†
	832-3HSR	832-3DHSR	Round 304 Stainless	-	-	B	1	1
	832-3HNQ	832-3DHNQ	Square Nickel Bronze	-	-	B	1	10†
	832-3HSQ	832-3DHSQ	Square 304 Stainless	-	-	B	1	1
FinishLine Halo Complete Assembly								
822-F2PNR	822-F2ANR	822-F2DNR	Round Nickel Bronze	2"×3"	2"	B*	1	1
822-F2PSR	822-F2ASR	822-F2DSR	Round 304 Stainless	2"×3"	2"	B*	1	1
822-F2PNQ	822-F2ANQ	822-F2DNQ	Square Nickel Bronze	2"×3"	2"	B*	1	1
822-F2PSQ	822-F2ASQ	822-F2DSQ	Square 304 Stainless	2"×3"	2"	B*	1	1
822-F3PNR	822-F3ANR	822-F3DNR	Round Nickel Bronze	3"×4"	3"	B*	1	1
822-F3PSR	822-F3ASR	822-F3DSR	Round 304 Stainless	3"×4"	3"	B*	1	1
822-F3PNQ	822-F3ANQ	822-F3DNQ	Square Nickel Bronze	3"×4"	3"	B*	1	1
822-F3PSQ	822-F3ASQ	822-F3DSQ	Square 304 Stainless	3"×4"	3"	B*	1	1
Accessories								
	832-S3		Shim Kit for FinishLine Halo: Two Shims, Two 3/4" Screws			B	1	10
	863-FA		Round Aluminum Condensate Funnel W/ Screws			B	1	5
	863-FN		Round Nickel Bronze Condensate Funnel W/ Screws			B	1	5
	822-EX3		Ductile Iron Extension Adapter: Fits between Halo head or FinishLine Coring Sleeve and Halo Drain Body			B	1	1
	822-TB		Thread Bushing for Halo Head			B	1	1
	832-EX3		Ductile Iron Extension Adapter: Fits between FinishLine head and Coring Sleeve			B	1	1

†Cast Iron case qty: 1

PACKAGING:

B = Bulk

* Individually Bar-Coded

Options: Add letter suffix.

- V Vandal-resistant screws
- B Complies with Buy American Act¹
- E Extended Ring¹
- 9 90° side outlet connection²

Options: Add letter **after dash** in item number.

- M Clamping collar kit

¹Only available for round nickel bronze ring and strainer

²Only available for cast iron drain

Note: Submittal links for Halo Cleanouts can be found on pages 346 & 347



822-C3PNQ



822-CF3DSR

» Cleanout Buying Information

PVC ITEM #	ABS ITEM #	CAST IRON ITEM #	RING & STRAINER	SCH. 40 CONNECTION	NO-HUB CONNECTION	PKG	MIN QTY	CASE QTY
Halo Cleanout								
822-C3PNR	822-C3ANR	822-C3DNR	Round Nickel Bronze	3" hub	3"	B*	1	1†
822-C3PSR	822-C3ASR	822-C3DSR	Round 304 Stainless	3" hub	3"	B*	1	4
822-C3PNQ	822-C3ANQ	822-C3DNQ	Square Nickel Bronze	3" hub	3"	B*	1	1†
822-C3PSQ	822-C3ASQ	822-C3DSQ	Square 304 Stainless	3" hub	3"	B*	1	4
822-C4PNR	822-C4ANR	-	Round Nickel Bronze	inside 4"	-	B*	1	1
822-C4PSR	822-C4ASR	-	Round 304 Stainless	inside 4"	-	B*	1	4
822-C4PNQ	822-C4ANQ	-	Square Nickel Bronze	inside 4"	-	B*	1	4
822-C4PSQ	822-C4ASQ	-	Square 304 Stainless	inside 4"	-	B*	1	4
FinishLine Halo Rough-In Cleanout								
822-C3PF	822-C3AF	822-C3DF	Coring Plug	3" hub	3"	B*	1	4‡
FinishLine Halo Finish Fixture								
834-3HNR	834-3DHR	834-3DHR	Round Nickel Bronze	-	-	B*	1	1
834-3HSR	834-3DHR	834-3DHR	Round 304 Stainless	-	-	B*	1	1
834-3HNQ	834-3DHR	834-3DHR	Square Nickel Bronze	-	-	B*	1	1
834-3HSQ	834-3DHR	834-3DHR	Square 304 Stainless	-	-	B*	1	1
FinishLine Halo Complete Assembly								
822-CF3PNR	822-CF3ANR	822-CF3DNR	Round Nickel Bronze	3" hub	3"	B*	1	1
822-CF3PSR	822-CF3ASR	822-CF3DSR	Round 304 Stainless	3" hub	3"	B*	1	1
822-CF3PNQ	822-CF3ANQ	822-CF3DNQ	Square Nickel Bronze	3" hub	3"	B*	1	1
822-CF3PSQ	822-CF3ASQ	822-CF3DSQ	Square 304 Stainless	3" hub	3"	B*	1	1
Accessories								
832-S3	Shim Kit for FinishLine Halo: Two Shims, Two 3/4" Screws					B*	1	10
822-EX3	Ductile Iron Extension Adapter: Fits between Halo head or FinishLine Coring Sleeve and Halo Drain Body					B*	1	1
822-TB	Thread Bushing for Halo Head					B	1	1
832-EX3	Ductile Iron Extension Adapter: Fits between FinishLine head and Coring Sleeve					B	1	1

†Cast Iron case qty: 4

‡Cast Iron case qty: 1

PACKAGING:

B = Bulk

* Individually Bar-Coded

Options: Add letter suffix.

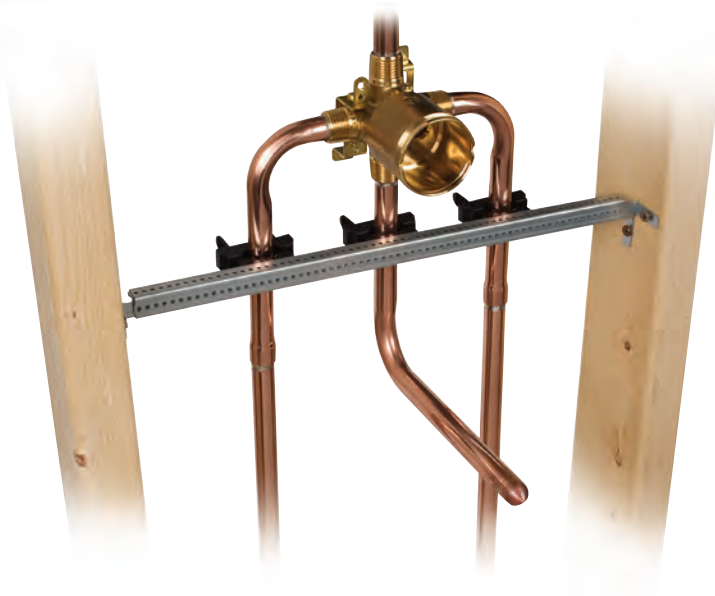
V Vandal-resistant screws

S Stamping: specify letters

C Carpet marker

PowerBar™

»» Universal Bracketing System



Unique

Patented. Pre-loaded, multi-size TouchDown™ clamps

Versatile

Adjustable or fixed-length bracket options with a full line of accessories and universal adjustability to accommodate just about any residential or commercial installation

Reliable

Made in the USA with the highest quality domestic materials available and backed by a 25-year warranty



Supply

Drainage

Support

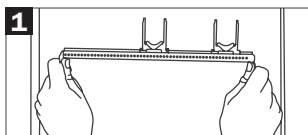
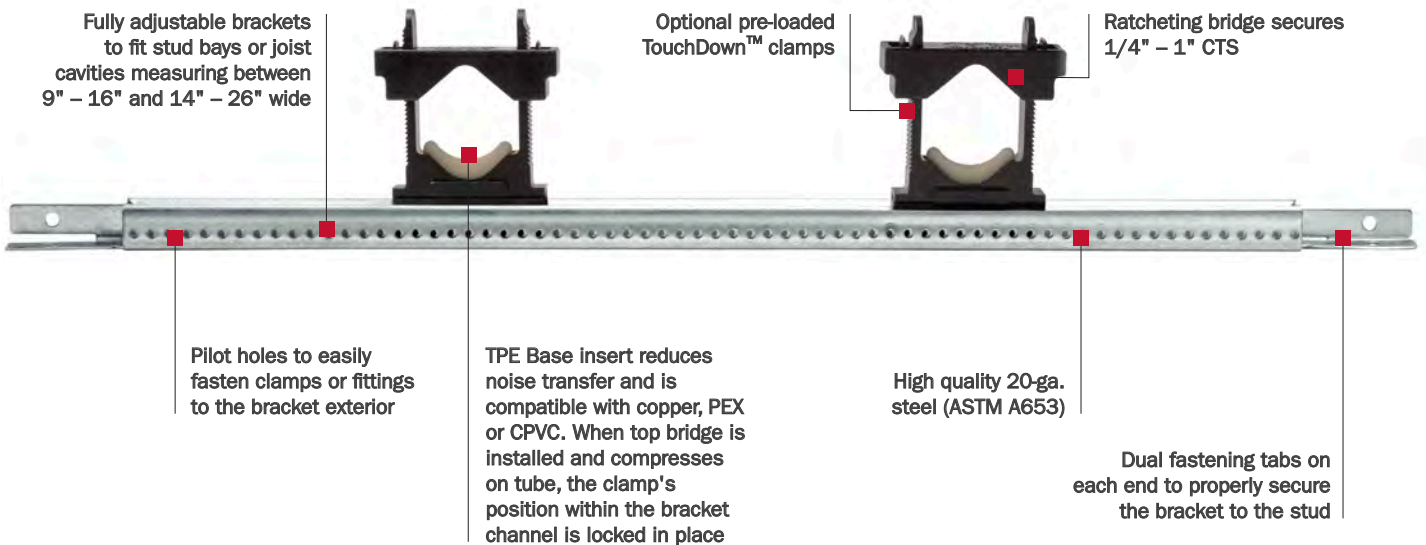
www.siouxchief.com

TAKE THE FIELD.

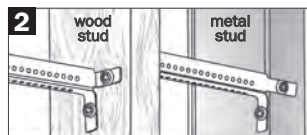


PowerBar™ Adjustable Bracket

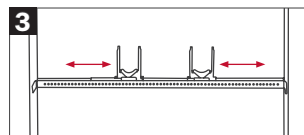
PowerBar™ is an affordable alternative to cutting wood blocks and metal studs for securing and supporting stub outs, shower valves/shower tree assemblies and water supply lines throughout rough-in phases of residential and commercial construction.



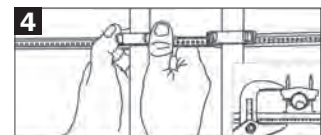
1. Adjust to fit stud cavity.



2. Secure all four tabs to wood or metal studs.



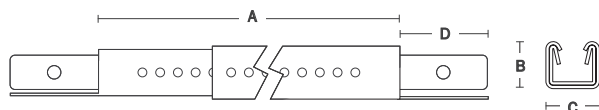
3. Move TouchDown™ clamps to proper location.



4. Ratchet bridge over tube/pipe. Be sure to bow the bridge.

» Specifications

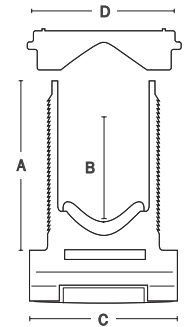
DESCRIPTION	16" STUD BAYS	24" STUD BAYS
A Outer/inner bracket length	9"	14"
B Bracket height	0.529"	0.529"
C Bracket width	0.602"	0.602"
D Tab length	1"	1"
E Bracket span load ratings	9" = 90-lbs. 12" = 82-lbs. 15" = 66-lbs.	14" = 150-lbs. 17" = 115-lbs. 21" = 80-lbs. 24" = 45-lbs.



TouchDown™

Made from durable nylon, TouchDown™ Universal Pipe Clamps are compatible with copper, PEX or CPVC with a releasable locking mechanism for variable clamping tension that allows for thermal expansion.

TouchDown™ clamps are preloaded into the PowerBar™ to reduce installation time.



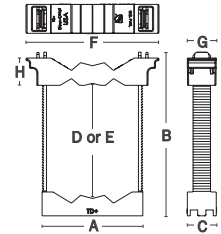
» Specifications

A	Clamp height	1-7/8"
B	Clamping range	1/4" - 1-1/8"
C	Clamp width	1-7/8"
D	Bridge width	2.02"
E	Load rating	70-lbs.

TD+™ Universal Pipe Clamp

TD+™ Universal Pipe Clamps are an upgrade to the TouchDown II™ predecessor. The clamps are compatible with copper, PEX and CPVC with a releaseable top bridge for variable clamping tension allowing for thermal expansion.

Install TD+™ directly to PowerBar™ brackets, studs or joists. Maximum pipe size is 2" Schedule 40.

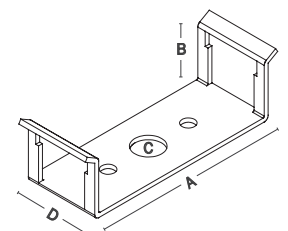


» Specifications

A	Clamp width	2.875"
B	Clamp height	4.67"
C	Clamp depth	0.825"
D	Clamp range	0.240" - 3.285"
E	Clamp range w/ acoustical cushions	0.240" - 3.085"
F	Bridge width	3.8"
G	Bridge depth	0.825"
H	Bridge height	0.778"
J	Temperature & load ratings	-10°F - 130°F = 150-lbs. 131°F - 180°F = 105-lbs. 181°F - 220°F = 70-lbs.

SaddleUp™

The SaddleUp™ galvanized clamp threads over the exterior of the PowerBar™ bracket and is available with or without a stainless steel band for supporting larger diameter tube/pipe.



» Specifications

A	Length	2.625"
B	Height	0.875"
C	Diameter	.400"
D	Width	1.0"

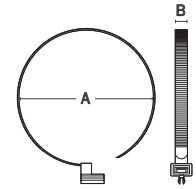
ZipStrap™

ZipStrap™ is ideal for bundling and organizing multiple lines on the job. It secures easily to a PowerBar™ with one screw and features a releasable locking strap for large O.D. pipe or conduit.



» Specifications

A	Strap capacity	0.875" - 6.875"
B	Strap width	0.75"
C	Load rating	25-lbs.



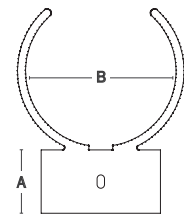
DWV ComboSaddle™

The ComboSaddle™ is specifically designed to attach to the PowerBar™ bracket. Ideal for centering waste or vent pipes between joists or studs. Each ComboSaddle™ fits two different pipe sizes and can be glued directly to the pipe with multi-purpose glue.



» Specifications

A	Saddle clamp base height	.80"
B	Clamping range	1.88" - 3.5"



Vinyl-Coated Steel Clamp

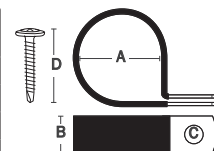
Versatile alternative when metal clamps are preferred over plastic. Available size options range from 3/8" through 1" CTS.

Note: Vinyl Coated Clamps are not CPVC compatible.

» Specifications



DESCRIPTION	523-31	523-32	523-33	523-34
A Clamp capacity	0.375" nom.	0.5" nom.	0.75" nom.	1" nom.
B Strap width	0.5"	0.5"	0.5"	0.5"
C Hole diameter	0.281"	0.281"	0.281"	0.281"
D Screw length	1"	1"	1"	1"



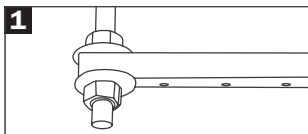
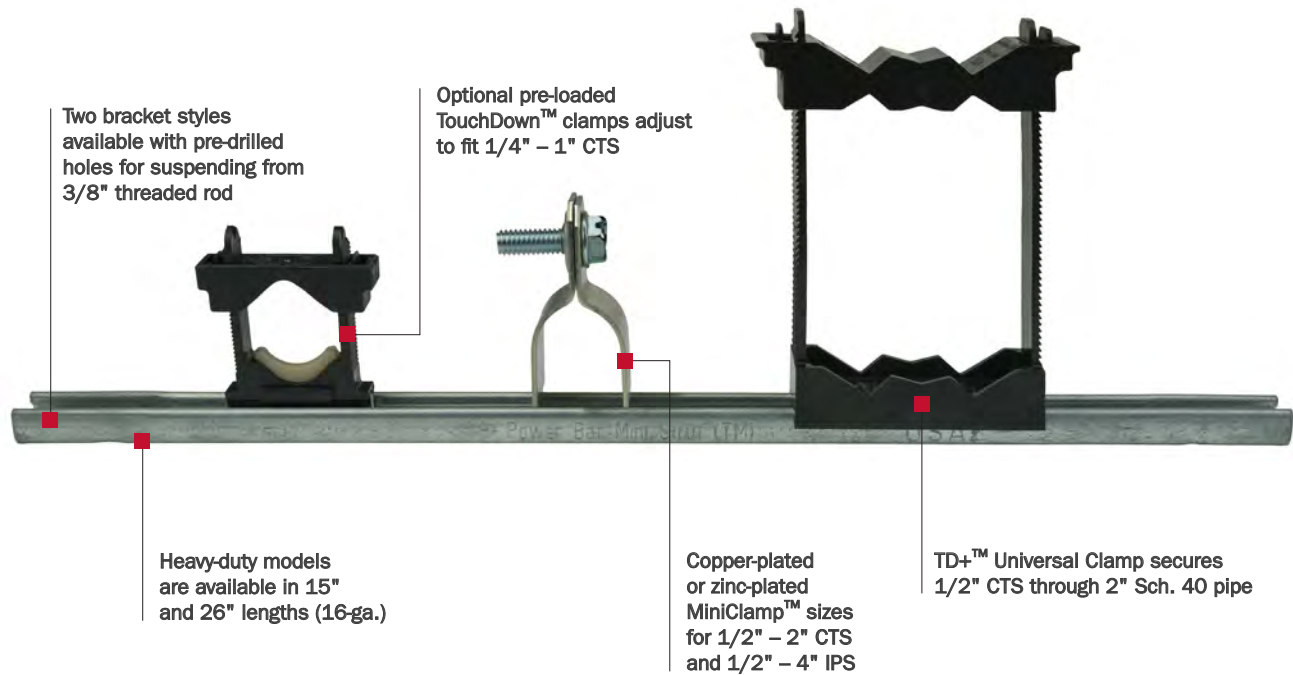
PowerBar™ Vent Loop Kit

Use PowerBar™ Vent Loop Kits on kitchen islands and other areas where a vertical vent pipe through the roof is not possible. These kits reduce costs and provide a professional look to exposed piping.

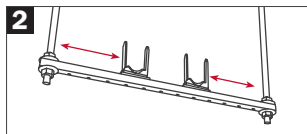


PowerBar™ Mini Strut Bracket

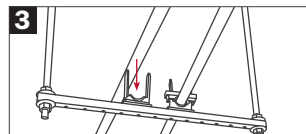
PowerBar™ Mini Strut is an economical alternative to cutting 10-ft. lengths of strut for common trapeze installations. Pre-cut bracket lengths made from high quality 16-ga or 20-ga galvanized steel with pre-drilled holes for 3/8" threaded rod reduces installation time to finish jobs ahead of schedule. Available with or without standard or PlenumSafe™ TouchDown™ clamps, size-specific steel clamps and available in different lengths, the PowerBar™ Mini Strut is Made in the USA of the highest quality materials.



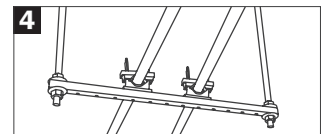
1. Suspend bracket with 3/8" threaded rod using washers and nuts.



2. Slide TouchDown™ clamps to desired location within the bracket.



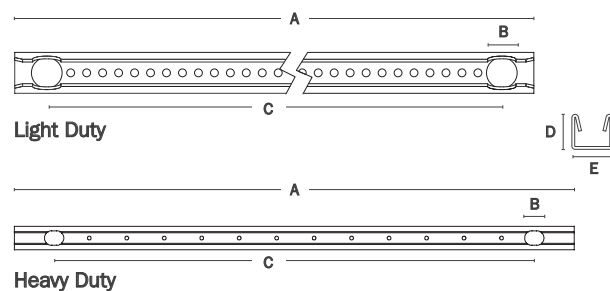
3. Position tube or conduit into clamp base.



4. Ratchet bridge of TouchDown™ clamps down tightly over both posts evenly.

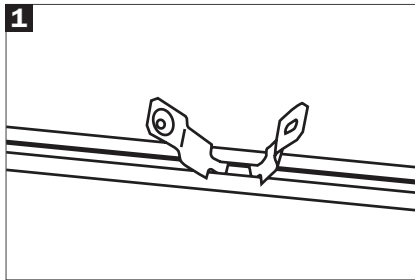
» Specifications

DESCRIPTION	LIGHT DUTY (20-ga.)	HEAVY DUTY LONG (16-ga.)	HEAVY DUTY SHORT (16-ga.)
A Length	13-5/8"	26"	15"
B Hole diameter	0.39"	0.515"	0.515"
C ATR center-line	12-3/4"	24"	13"
D Height	0.529"	0.465"	0.465"
E Width	0.602"	0.675"	0.675"
F (Center) Load ratings	70-lbs.	100-lbs.	250-lbs.

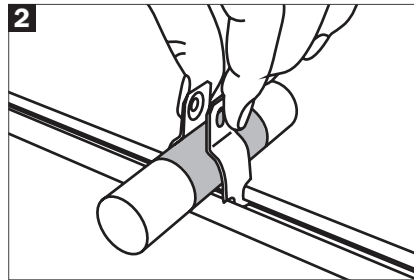


MiniClamp™

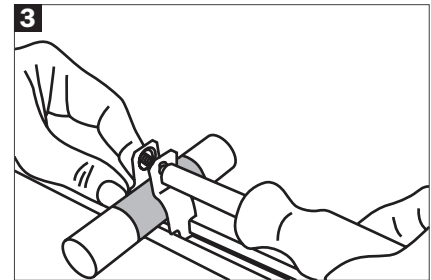
The MiniClamp™ is designed to work easily with any PowerBar™ bracket and stamped from high quality steel. Each clamp is stamped as one piece of steel. Break the clamp into two halves. The threaded form on one half eliminates the need for a nut. Once placed into the bracket, the MiniClamp™ stays erect, freeing both hands. Available in two finishes and IAPMO certified. Hardware to secure clamps around pipes is included.



1. Separate clamp and place in bracket.



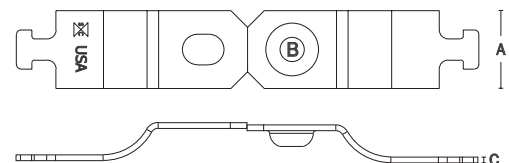
2. Wrap copper with 10-mil tape and install between 2 halves.



3. Insert screw/bolt and tighten.

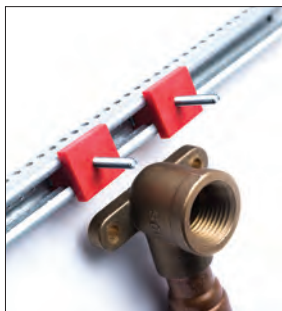
» Specifications

SIZE	O.D.	A: WIDTH	B: SCREW/ BOLT SIZE	C: GAUGE
Copper-Plated (CTS)				
1/2"	0.625"	0.704"	#8 × 3/4"	18
3/4"	0.875"	0.704"	#8 × 3/4"	18
1"	1.125"	0.875"	5/16-18 × 1"	16
1-1/4"	1.375"	0.875"	5/16-18 × 1"	16
1-1/2"	1.625"	1.00"	5/16-18 × 1"	16
2"	2.125"	1.00"	5/16-18 × 1"	16
Zinc-Plated (IPS)				
1/2"	0.840"	0.704"	#8 × 3/4"	18
3/4"	1.050"	0.704"	#8 × 3/4"	18
1"	1.315"	0.875"	5/16-18 × 1"	16
1-1/4"	1.660"	0.875"	5/16-18 × 1"	16
1-1/2"	1.900"	1.00"	5/16-18 × 1"	16
2"	2.375"	1.00"	5/16-18 × 1"	16
3"	3.500"	1.00"	5/16-18 × 1"	16
4"	4.500"	1.00"	5/16-18 × 1"	16



Also Available:

PipeDown™ Acoustical Options



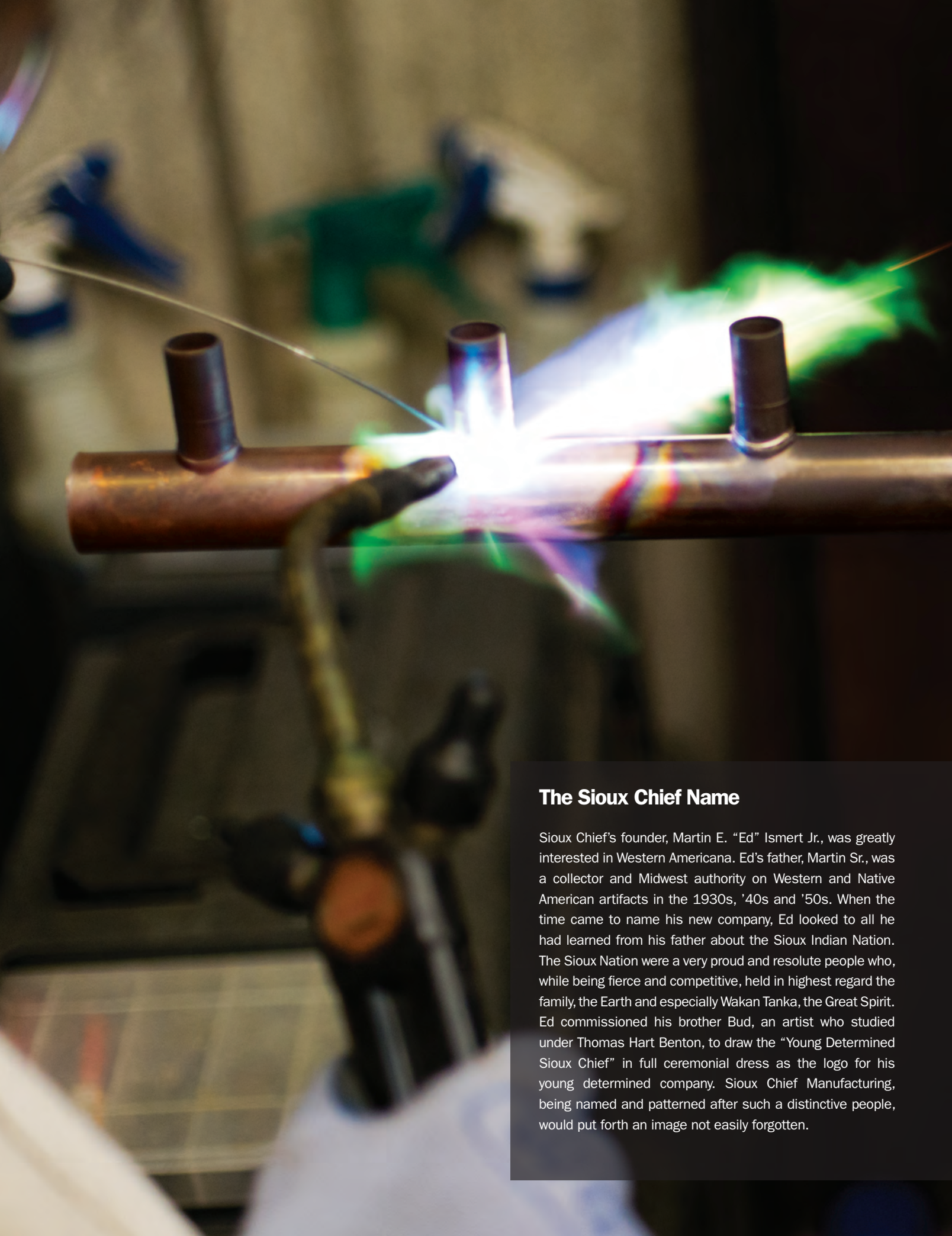
PlenumSafe™ Options





“ I have been fortunate to win many other piping jobs because of the secure and neat work that we have been able to do with the use of the PowerBar™ Mini Strut brackets. We have enjoyed the product and this is the best piping support system that we have ever used. Just the time savings alone (not having to cut other types of strut) is well worth the investment. ”

Arty Rollins
Rollins Plumbing

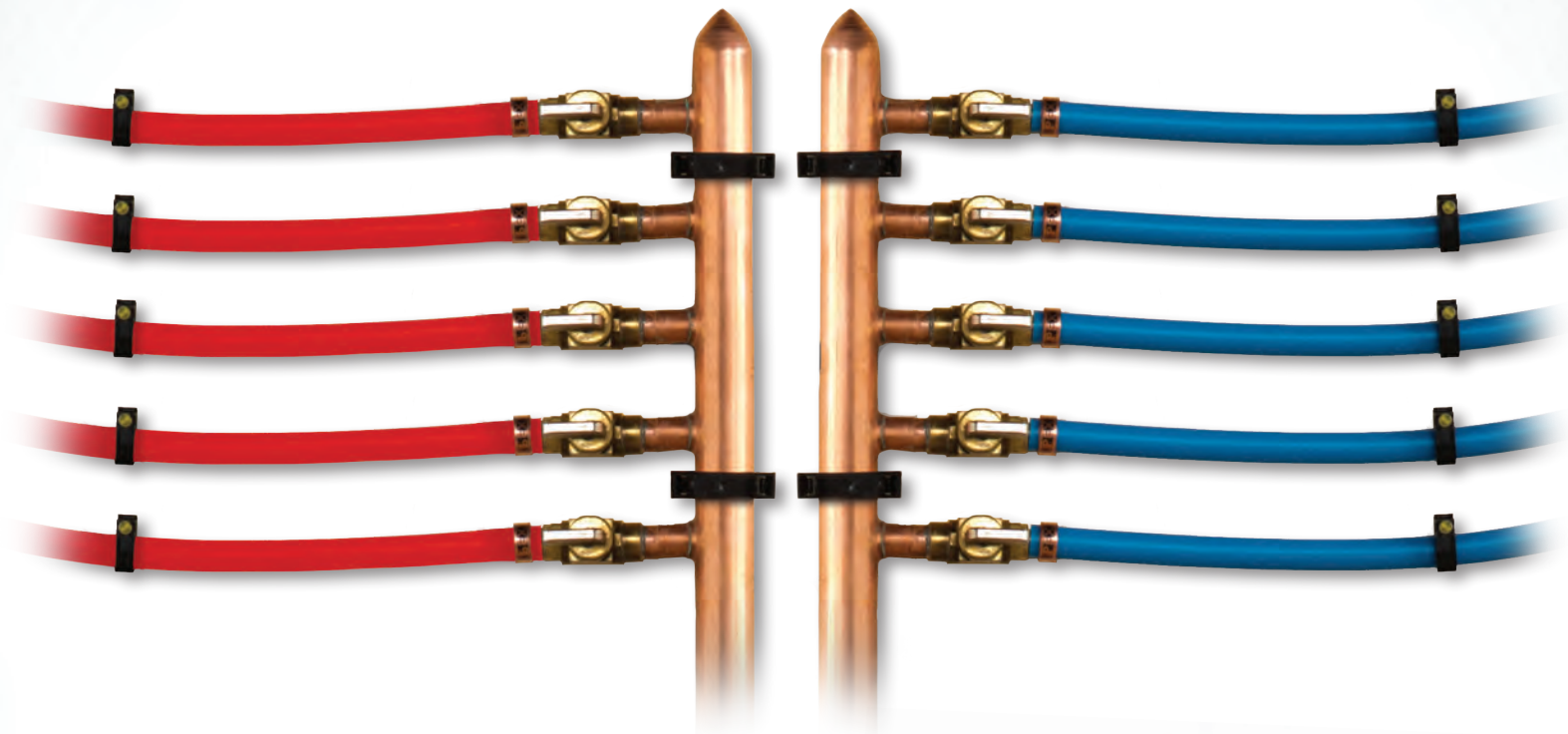


The Sioux Chief Name

Sioux Chief's founder, Martin E. "Ed" Ismert Jr., was greatly interested in Western Americana. Ed's father, Martin Sr., was a collector and Midwest authority on Western and Native American artifacts in the 1930s, '40s and '50s. When the time came to name his new company, Ed looked to all he had learned from his father about the Sioux Indian Nation. The Sioux Nation were a very proud and resolute people who, while being fierce and competitive, held in highest regard the family, the Earth and especially Wakan Tanka, the Great Spirit. Ed commissioned his brother Bud, an artist who studied under Thomas Hart Benton, to draw the "Young Determined Sioux Chief" in full ceremonial dress as the logo for his young determined company. Sioux Chief Manufacturing, being named and patterned after such a distinctive people, would put forth an image not easily forgotten.

BranchMaster™ Manifolds

▶▶ Distributing Water, Quality & Savings



Labor & Material Savings

Decrease installation and material costs, reduce waste, and maintain quality and looks.

Reduced Liability

Fewer connections behind the wall greatly reduce potential for leaks.

Complete, Custom

All system connections. All materials. All configurations. Millions of possible customizations.

Made in the USA

Manufactured in America with domestic material.

Trusted, Lead-Free Solutions

Demanded by professionals everywhere for radiant heating and plumbing applications.



Supply

Drainage

Support

www.siouxchief.com

TAKE THE FIELD.



Features & Benefits

Labor & Material Savings

- Fast: Decreased installation times due to fewer fitting connections.
- Economical:
 - Fewer fittings reduce overall material costs.
 - Copper manifolds are less costly than many brass, stainless steel or PPSU manifold options.
- No Lead: Copper is inherently lead-free and is a cost-saving material.

Reduced Liability

- Fewer fittings mean fewer chances for leaks, connection errors and costly repairs.
- Sioux Chief warranted product replaces on-the-job fabricated connections.

Complete

- All common ASTM fitting system configurations are available.
- Available with and without valves, with spin-closed or open-end outlets, on different branch center lines, and more.
- More than 27 million custom options are available. Contact Sioux Chief to build your manifold.

Made in USA



- 100% American made.
- 100% North American materials.
- Products are manufactured, inspected, tested, stocked and packed for shipping in Peculiar, Missouri.

Trusted

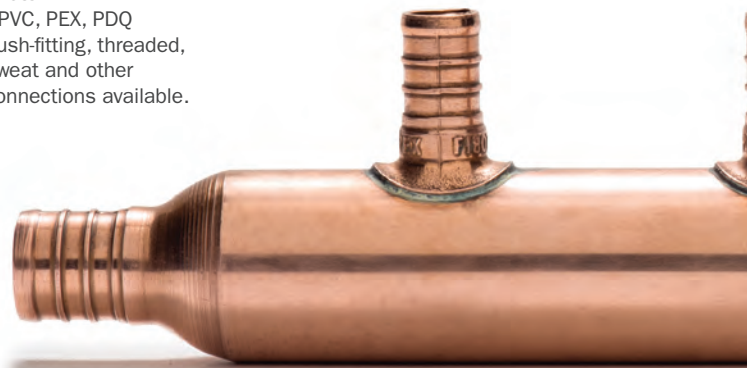
- Sioux Chief has been manufacturing and selling manifolds since the early 1980's.
- Listed and approved.
- All manifolds are tested and inspected using the latest quality methods.



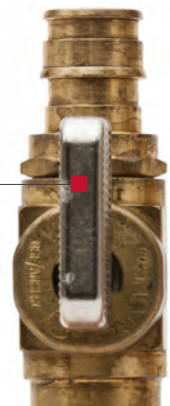
Inlets
3/4" & 1" PEX ends readily available and in stock. Sioux Chief maintains the widest variety of manifolds in the industry.



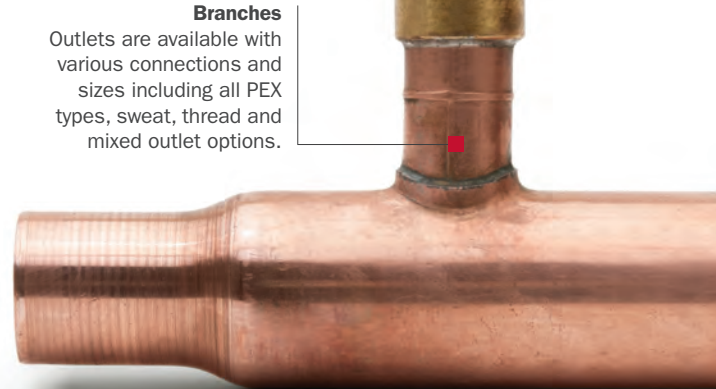
Inlets
CPVC, PEX, PDQ push-fitting, threaded, sweat and other connections available.



Branches
Available with and without valves.



Branches
Outlets are available with various connections and sizes including all PEX types, sweat, thread and mixed outlet options.



REDUCED Liability & Leaks

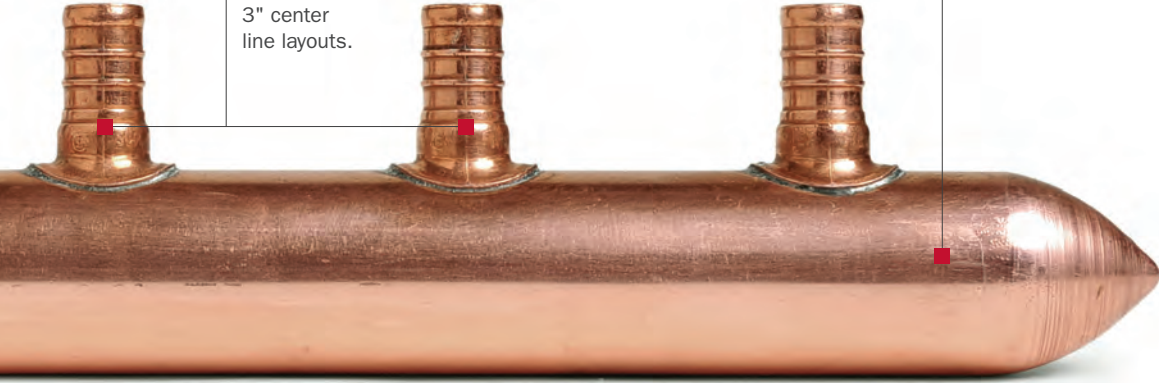


Sioux Chief BranchMaster™ manifolds greatly reduce the number of fittings behind the wall and potential for leaks.



Centerlines
Manifolds are available with 2" and 3" center line layouts.

Trunk
Up to 4" trunk size.

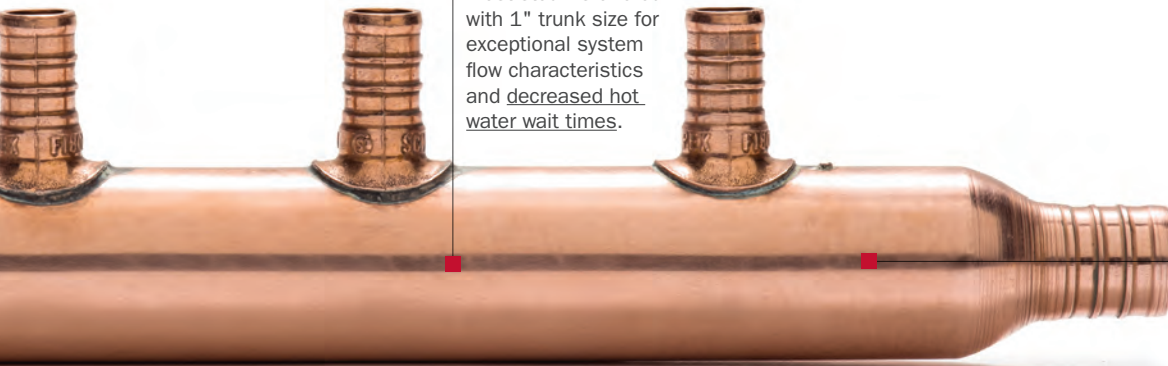


Trunk
Most stock is offered with 1" trunk size for exceptional system flow characteristics and decreased hot water wait times.

**NO
LEAD**

Copper is:

- Naturally No Lead
- Antimicrobial
- Dezincification resistant
- Stress corrosion cracking resistant



Valves

Valved branch outlets are available with the option of various PEX types in standard or balancing valves.

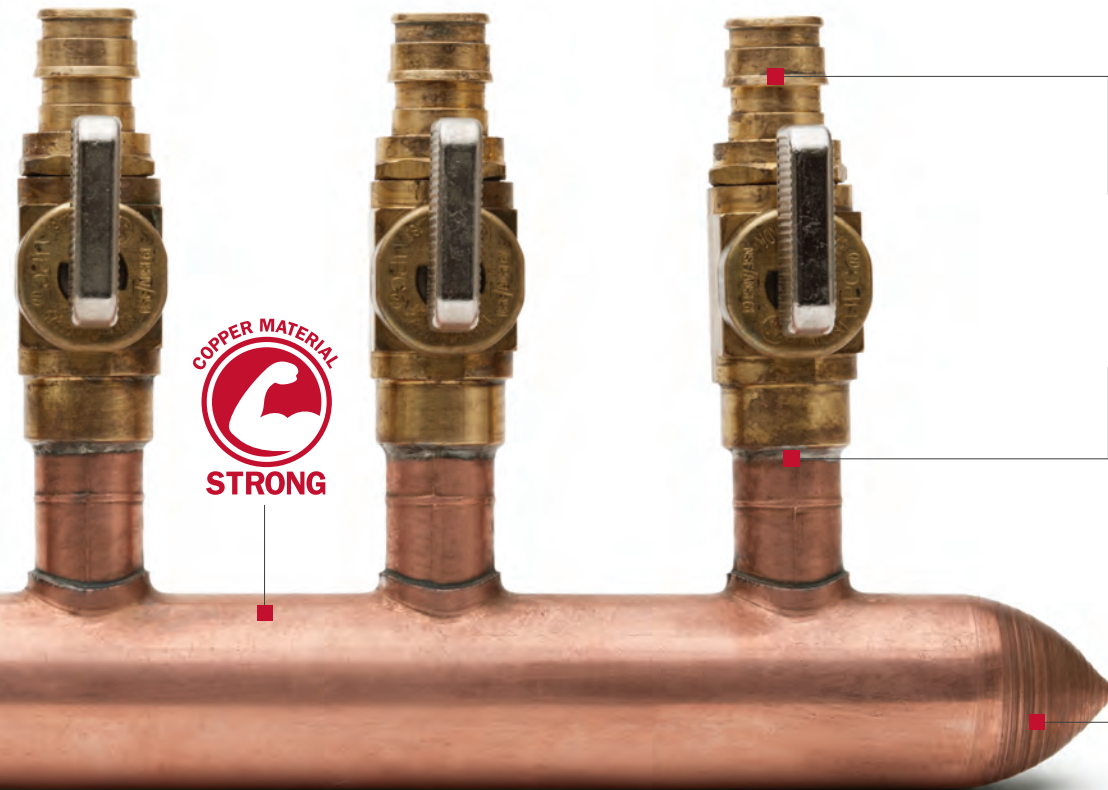


Connections

Outlets are offered in lead-free brazed or soldered configurations.

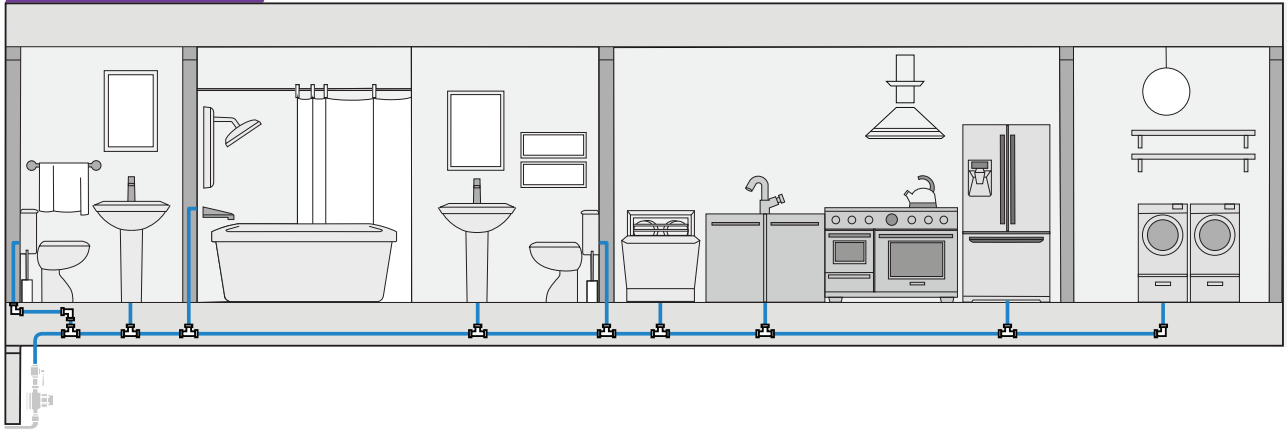
End Outlets

Leak-free spin closures, formed ends or optional system connection types provide the exact manifold necessary to complete any job.

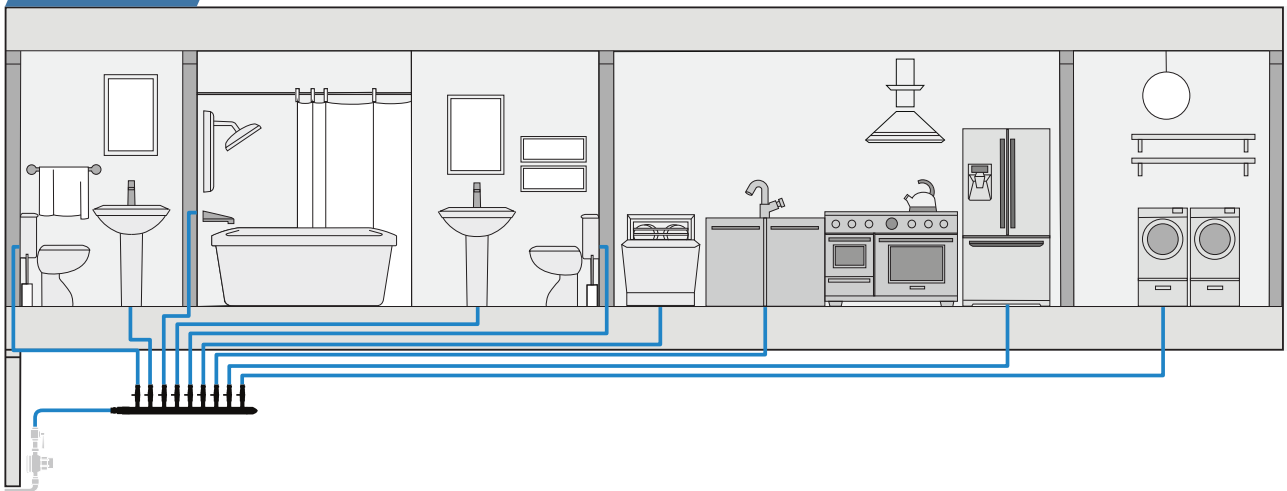


Residential Plumbing Installation Layouts

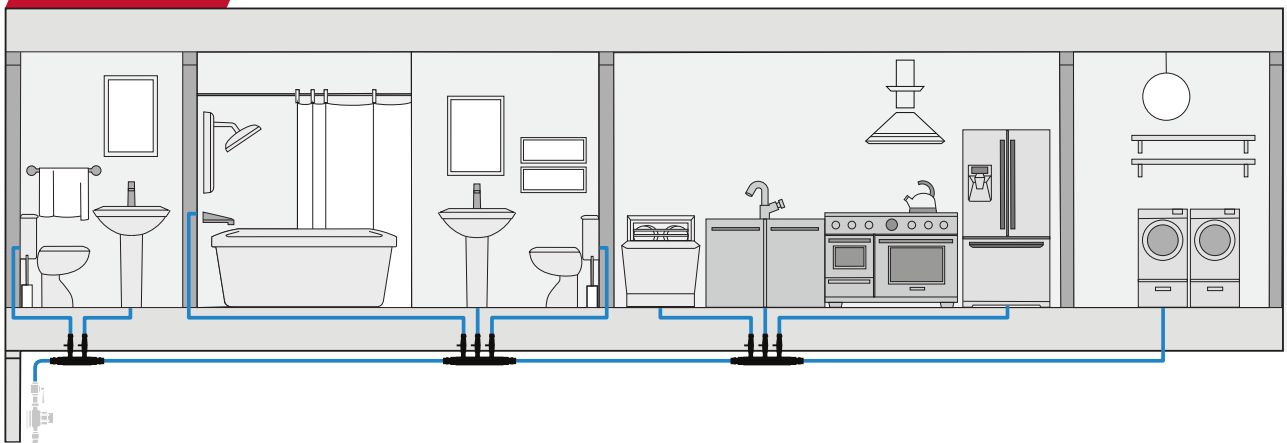
Trunk & Branch



Home Run



Combination



	No. of Fittings	Feet of Pipe	Connections
--	-----------------	--------------	-------------

Trunk & Branch	96	540	165
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	No. of Fittings	Feet of Pipe	Connections
--	-----------------	--------------	-------------

Home Run	10	1,515	48
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	No. of Fittings	Feet of Pipe	Connections
--	-----------------	--------------	-------------

Combination	16	637	59
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Quality



There are hundreds of thousands of Sioux Chief Branchmaster™ Manifolds installed and in service. All manifolds are Sioux Chief inspected, tested and approved.

Green Plumbing Alternative





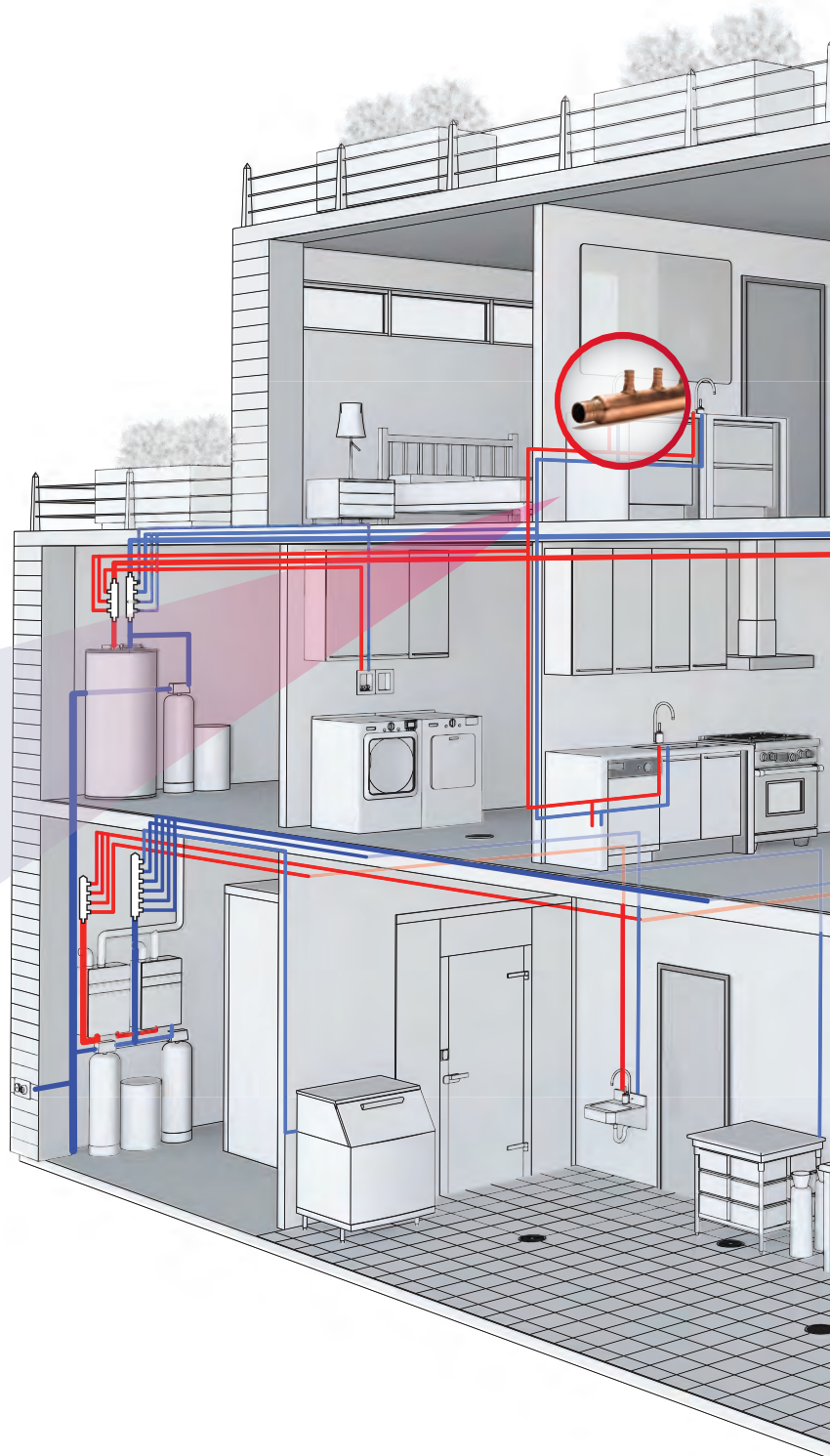
Sioux Chief's Green Plumbing Alternative is 100% lead-free. Less fittings used, less waste, and less water used.

Combination System Benefits

Combination Systems combine the best features of a Home Run plumbing system with the best features of a Trunk and Branch plumbing system.

This smarter choice:

- Less material expense, especially in No Lead compliant systems.
- Requires half the installation time of traditional systems. 
- Requires fewer connections, which translates to fewer leak possibilities, fewer callbacks and fewer claims. 
- Exhibits increased flow characteristics, decreased hot water wait times and a decrease in system noise.



No. of Fittings	
Combination	16
Trunk & Branch	96

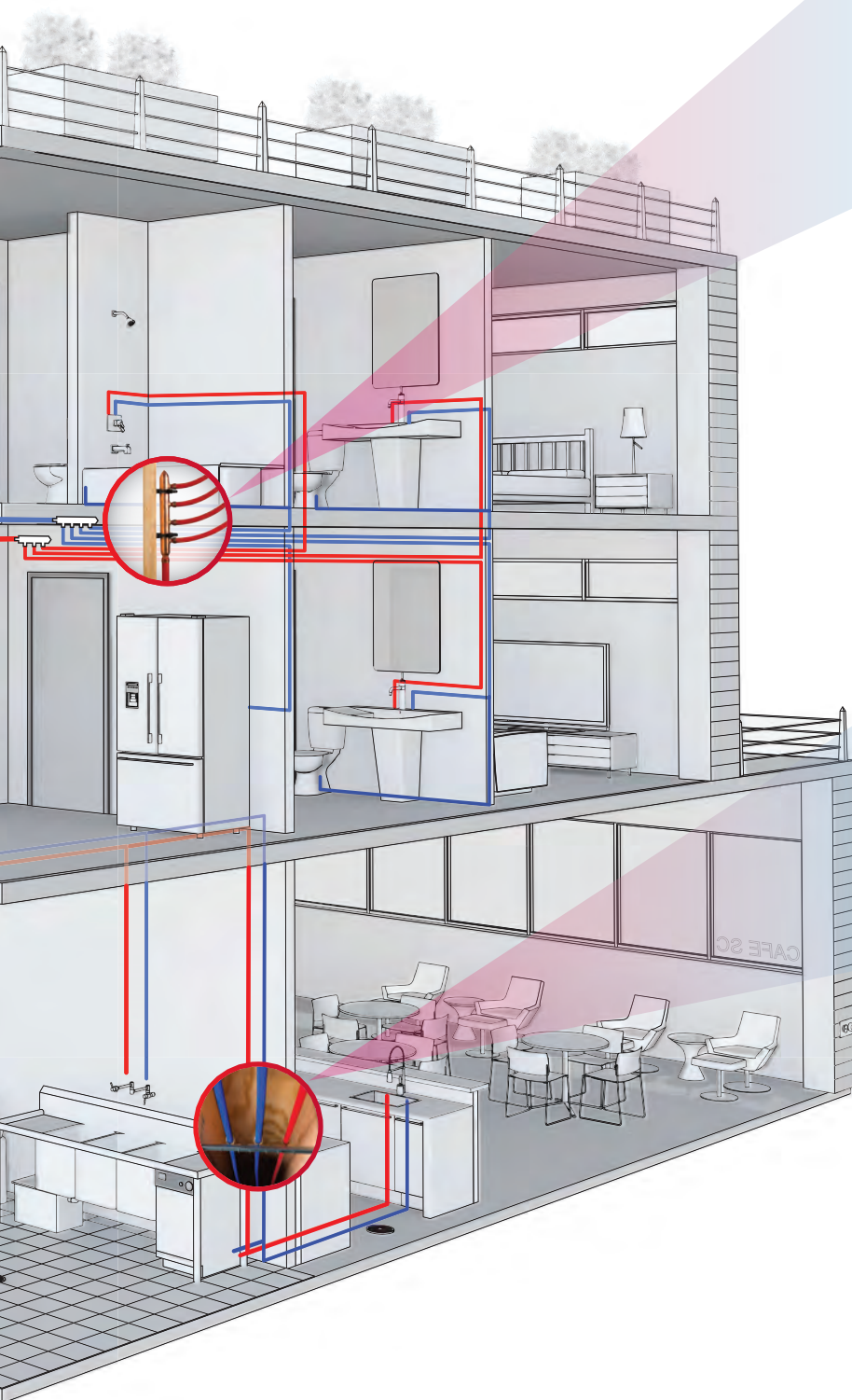
Combination layout uses:

83% - Fewer Fittings
- Fewer Variable Costs

“ We appreciate American-Made products and know our builders and home owners appreciate them as well. Sioux Chief’s products provide time saving, quality and domestically made solutions that allow us to compete and provide us with the quality we demand. ”



Steve McLaughlin
Charlotte Mechanical, LLC



Connections

Combination 59

Trunk & Branch 165

Combination layout uses:

65%

- Fewer Potential Leaks
- Fewer Connections
- Less Tool Wear

Feet of Pipe

Combination 637 ft.

Home Run 1,515 ft.

Combination layout uses:

58%

- Fewer Feet of Pipe

Over 27 Million Custom Options

Trunk Types & Sizes



Branch Types & Connection Sizes



Branch Multiples



Trunk Connection Options



Custom Options

- Millions of custom options.
- Sioux Chief can build the manifold you need. Contact Sioux Chief to receive a quote.



Manifold Builder Form

Scan Sioux Chief's QR code to be directed to our custom Manifold Builder Form, and start saving with BranchMaster Manifolds today.

Manifold Accessories & Options

Manifold Endpiece



Slab Manifolds



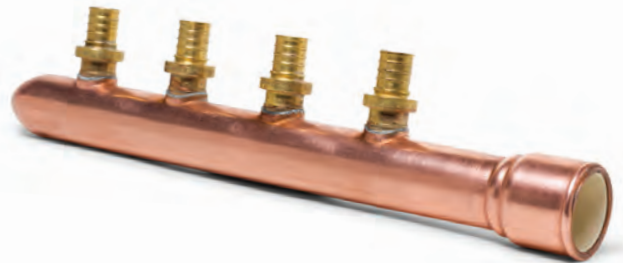
Layout Options

- Available in multi-port tees (slab manifolds).

Radiant Accessories

- End pieces are perfect for gauges or service points.

Material Options



PowerPEX™ Copper Manifolds

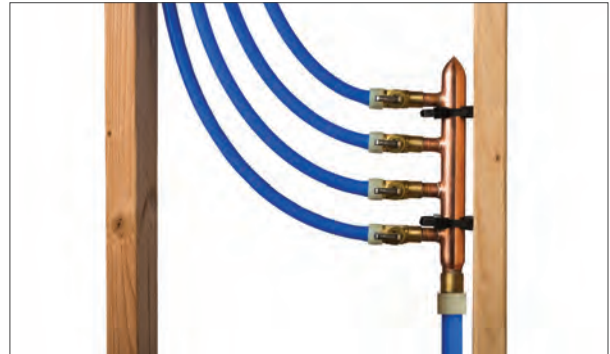
- The most economical industry manifolding option.
- The most economical plumbing system layout.
- Equalized flow to each fixture helps reduce pressure fluctuations that causes scalding.

Applications

Primary Manifold

Primary manifolds act like a 'breaker box,' providing a central access point of a plumbing system. This ensures that a singular line can be isolated for service while also reducing the number of fittings behind the wall.

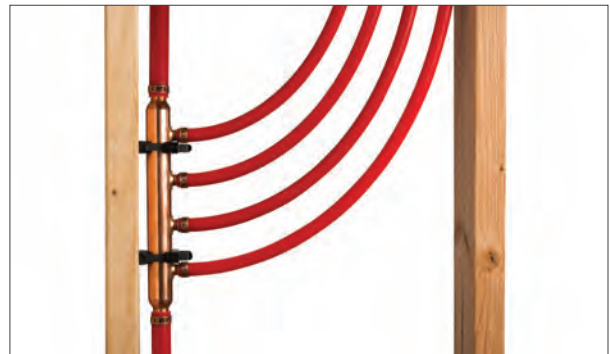
- Available with valves.
- Great for plumbing or radiant applications.



Secondary Manifold

Secondary manifolds reduce the total feet of pipe, number of fittings and chance for leaks within a home.

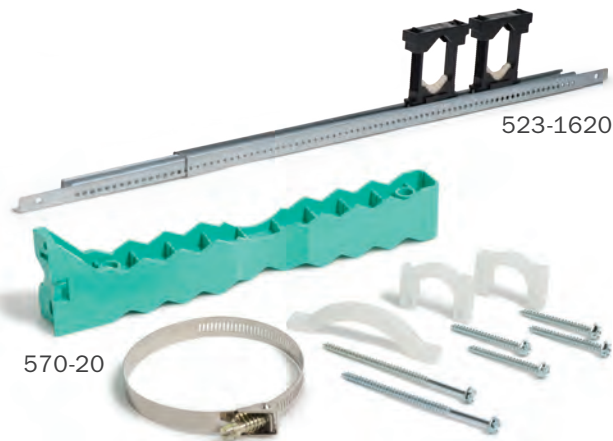
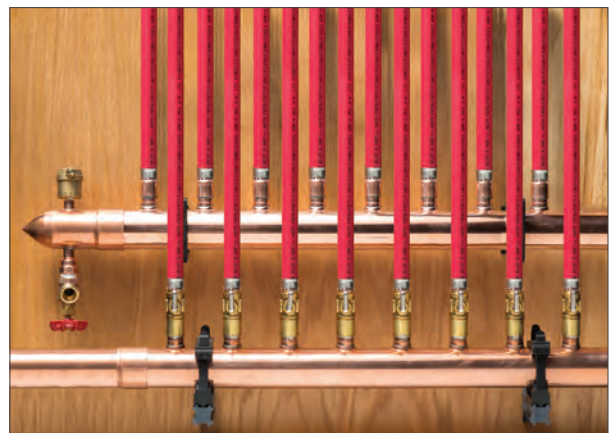
- Economically divide and distribute the water supply to a fixture group.
- Also known as multi-port tee or multi-outlet fittings.



Radiant (Hydronic) Manifolding

Perfect for distributing hot water within flooring or to secondary radiators while providing a central service point for maintenance and repair.

- Various options and end outlet configurations available including options with gauges and FIP ports.
- Multiple bracketing options available for the most secure installation possible.



Manifold Options

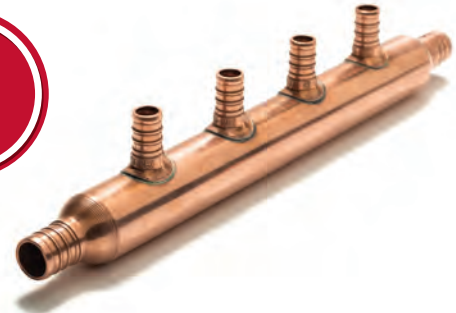
Sioux Chief is the only manufacturer offering all major PEX fitting systems, giving contractors the **power to choose**

the right system or mix of systems to fit their applications or comfort levels. Sioux Chief products are the definition of quality and carry a warranty to back that quality. Choose Sioux Chief as your partner and be certain of the best quality, the best warranty, the best availability, the most options and an unmatched commitment to American manufacturing.

PowerPEX[®] ASTM F1807

CRIMP

- Sioux Chief is the leading supplier of F1807 manifold options for plumbing or radiant applications.
- Manifolds for every application are in stock and readily available for your job.



PowerPEX[®] ASTM F2080

LOCK

- F2080 manifolds offer a reduced material investment while providing the most leak-proof PEX connection available.
- Fittings are designed with more sealing surface and more sealing barbs than all other common PEX systems for a redundant and robust fitting connection.



PowerPEX[®] ASTM F1960 PEX-A

GRIP

- F1960 manifolds offer a positive seal and permanent connection.
- F1960 system fittings offer an increased internal diameter for exceptional flow characteristics.



Manifold Options cont'd

The BranchMaster product offering is **complete** and available with options to match any system configuration. Manifolds are **in stock** and readily available. Even if Sioux Chief does not carry stock of the manifold needed to complete a contractor's job, it can be made and ordered to the exact specifications needed. Start saving with one warranted, reduced liability of leak, no lead, compliant and MADE IN THE USA product.

ASSE 1061 PDQ™ Push-fitting

- Plumbing Done Quickly. Fast, quality and universally applicable to CTS tubing systems.
- The fastest plumbing possible is available in a warranted and domestic product from Sioux Chief.



FIP/Compression/MIP/Sweat/Press Fitting

- Manifolds for every application. Can be adapted to work with any plumbing system for a high-quality finish and a lifetime of service.



Mixed System or Transition Manifolds

- Hybrid System Solution: Transition manifolds offer the perfect and warranted solution for changing from one supply pipe type to another.
- Mixed branches allow 3/4" & 1/2" fixture lines or optional 1/2" & 3/8" mixed PEX fixture lines.



Warranty



Sioux Chief offers industry leading warranty and quality.

»» To learn more, visit siouxchief.com

Sioux Chief has **OVER 300** different manifolds and accessories **IN STOCK**



Image is not representative of full line

Sioux Chief maintains copper manifold inventory for common
PLUMBING & RADIANT HEAT applications...
ready for immediate shipment to meet your demanding job deadlines.



#LT1-BranchMaster Manifolds

24110 South Peculiar Drive
Peculiar, Missouri 64078
P 1.800.821.3944
F 1.800.758.5950

Check out our website at www.siouxchief.com for our current price list.

B.4/15 BranchMaster™ Manifolds



ProCheck™

» Backwater Valve



Versatile

Valves can be adapted for standard, shallow-depth or deep-bury installations.

Simple

Modular valve design allows for interchangeable accessories. Less shelf space, fewer parts/pieces, always the right size.

Durable

Designed and made in the USA. Structurally rugged and molded from engineered resins to stand up to job site abuse.

Dependable

The unique flapper creates a positive seal, even at lower backpressures, when other types of flappers can leak.

Supply

Drainage

Support

www.siouxchief.com

TAKE THE FIELD.



Features & Benefits

Versatile

We designed our ProCheck™ valves to be installed in either shallow or deep-bury installations. All that is needed to convert a standard valve to deep-bury is a single adapter kit. This means that a contractor can buy and stock one type of valve and be confident of having the right part for either application.

Simple

The modular design of the 3" and 4" valves makes for many interchangeable accessories. The valve lid, access sleeve, sleeve collar, sleeve lid and deep-bury adapter kit will all fit both 3" and 4" valves. The contractor can buy and carry fewer items while still having all the necessary accessories.

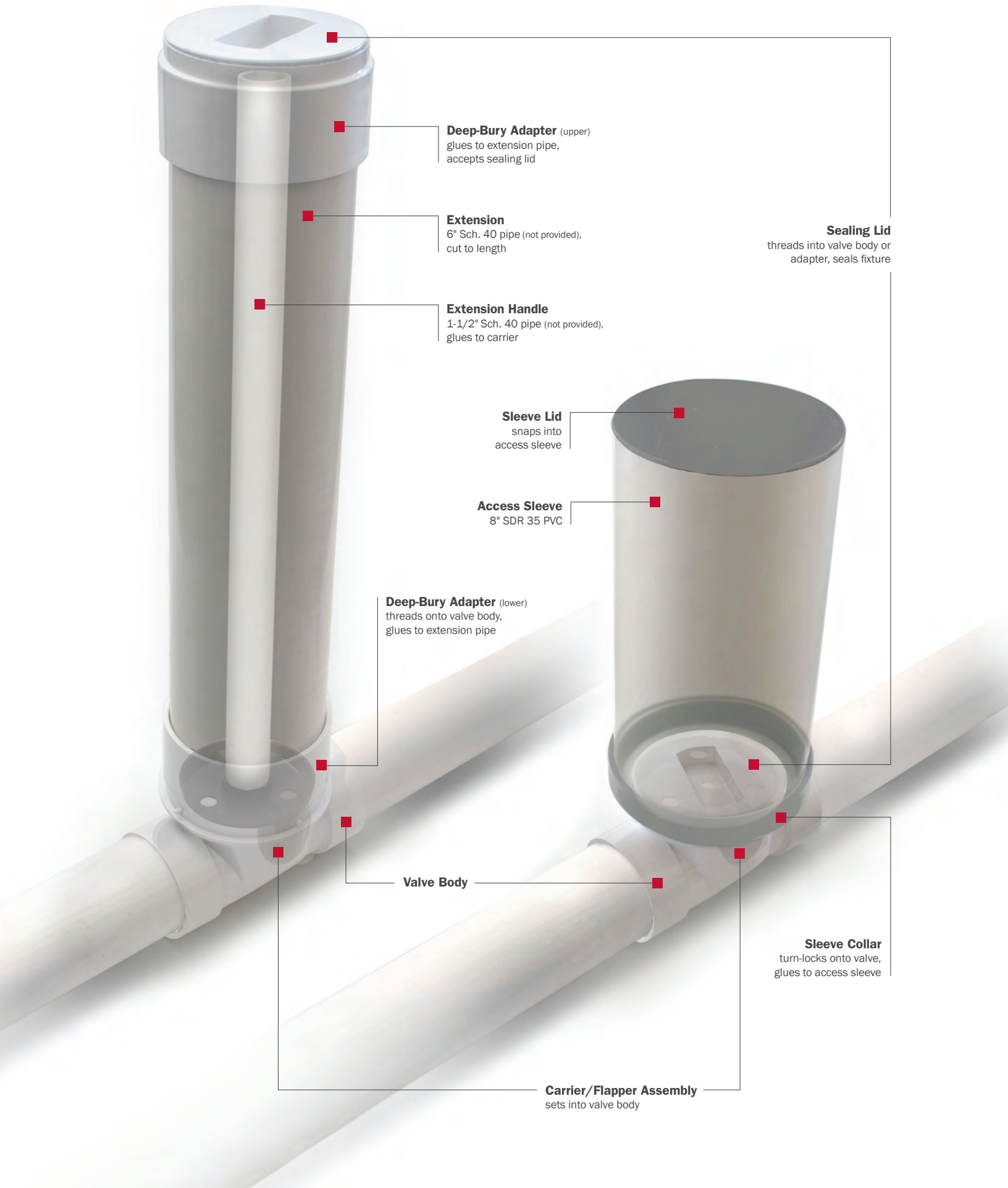
Durable

We have engineered ProCheck backwater valves for quality in every detail. They are designed to take the abuse of a typical ground-rough job site. We use specially formulated, engineered resins to mold the valves in our on-site injection presses, right here in the USA.

Dependable

The ProCheck backwater valve has been designed with care and precision. For example, the integrally molded sealing surface on the face of the flapper seals watertight, even at lower backpressures. In contrast, the typical O-ring type flappers can leak, leaving property vulnerable to sewer backup. As backpressure increases, the ProCheck flapper seal only becomes tighter.





Deep-Bury Adapter (upper)
glues to extension pipe,
accepts sealing lid

Extension
6" Sch. 40 pipe (not provided),
cut to length

Extension Handle
1-1/2" Sch. 40 pipe (not provided),
glues to carrier

Sealing Lid
threads into valve body or
adapter, seals fixture

Sleeve Lid
snaps into
access sleeve

Access Sleeve
8" SDR 35 PVC

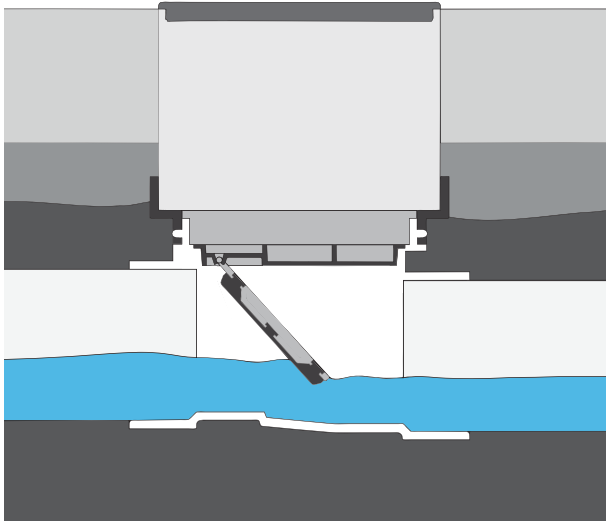
Deep-Bury Adapter (lower)
threads onto valve body,
glues to extension pipe

Valve Body

Sleeve Collar
turn-locks onto valve,
glues to access sleeve

Carrier/Flapper Assembly
sets into valve body

Shallow Installations



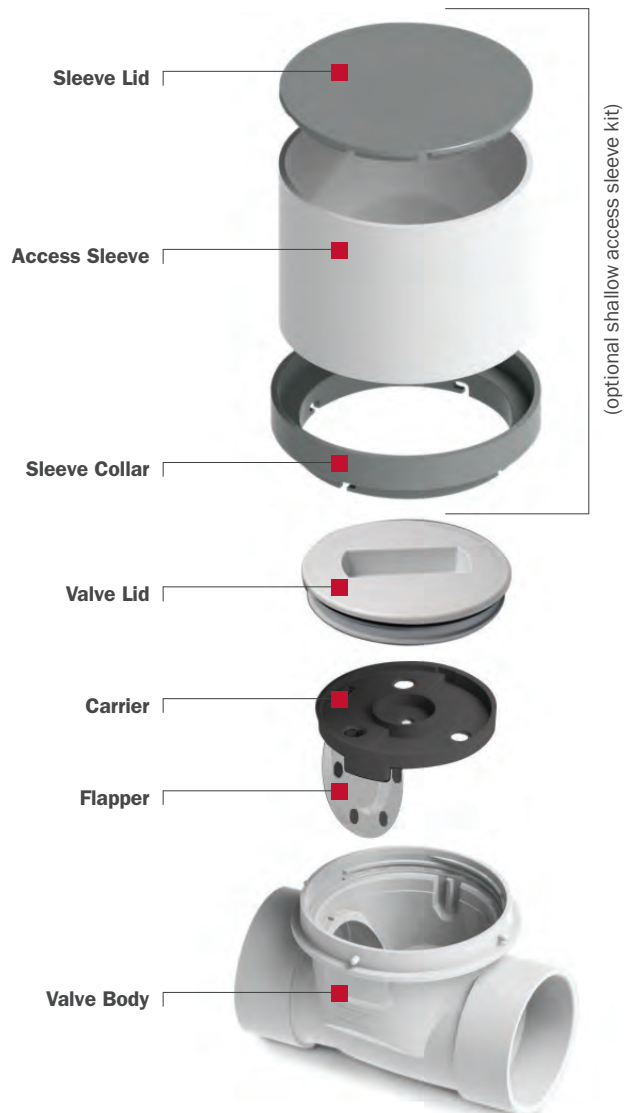
When installing the ProCheck backwater valve, we recommend the following steps:

1. During the ground-rough phase, solvent-weld the valve to the 3" or 4" Sch. 40 drain line on the downstream side of the fixture(s) to be protected. To protect the sealing surfaces, the flapper/carrier should be removed during construction. Next thread the valve lid (with O-ring seal) onto the valve body, sealing the system.

2. The shallow access sleeve kit is often installed to provide access to the valve after installation. Before the floor slab is poured, solvent-weld the access sleeve (8" SDR 35 PVC) to the sleeve collar, and turn-lock the sleeve collar to the valve body. The slab will be poured over the DWV system and around the access sleeve. After the slab hardens, cut the sleeve to the intended height, flush with the floor, and snap on the sleeve lid.

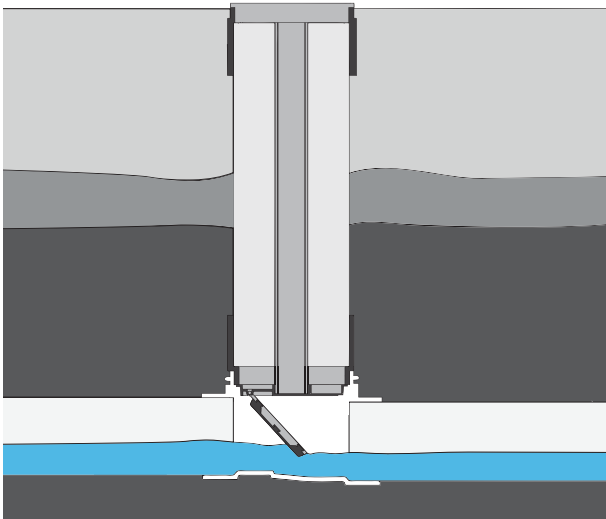
3. Install flapper/carrier before final inspection. To access the flapper after installation, remove the sleeve lid and unscrew the threaded valve lid. The flapper/carrier can then be removed. Regularly inspect the flapper and sealing surfaces on the valve for debris, buildup or any damage that would prevent the flapper from sealing properly. If damaged, replace the flapper or carrier. After inspection or maintenance, replace any defective parts to ensure proper function (flapper swings freely, gasket-side faces upstream, etc).

By “shallow” we mean those installations where the valve is located on the horizontal sewer line, no more than 18" or so below the surface. The valve is typically located within the footprint of the building itself, usually in the basement or garage area. Since the flapper must be accessible after installation, it needs to be positioned within arm’s reach. The valve itself is sealed with a threaded lid and the optional sleeve is used to provide access to the lid and flapper after installation.



Note: E. Coli and other harmful bacteria are present in sewer lines. Wear gloves and safety glasses and be sure to take necessary sanitary precaution when inspecting an installed backwater valve.

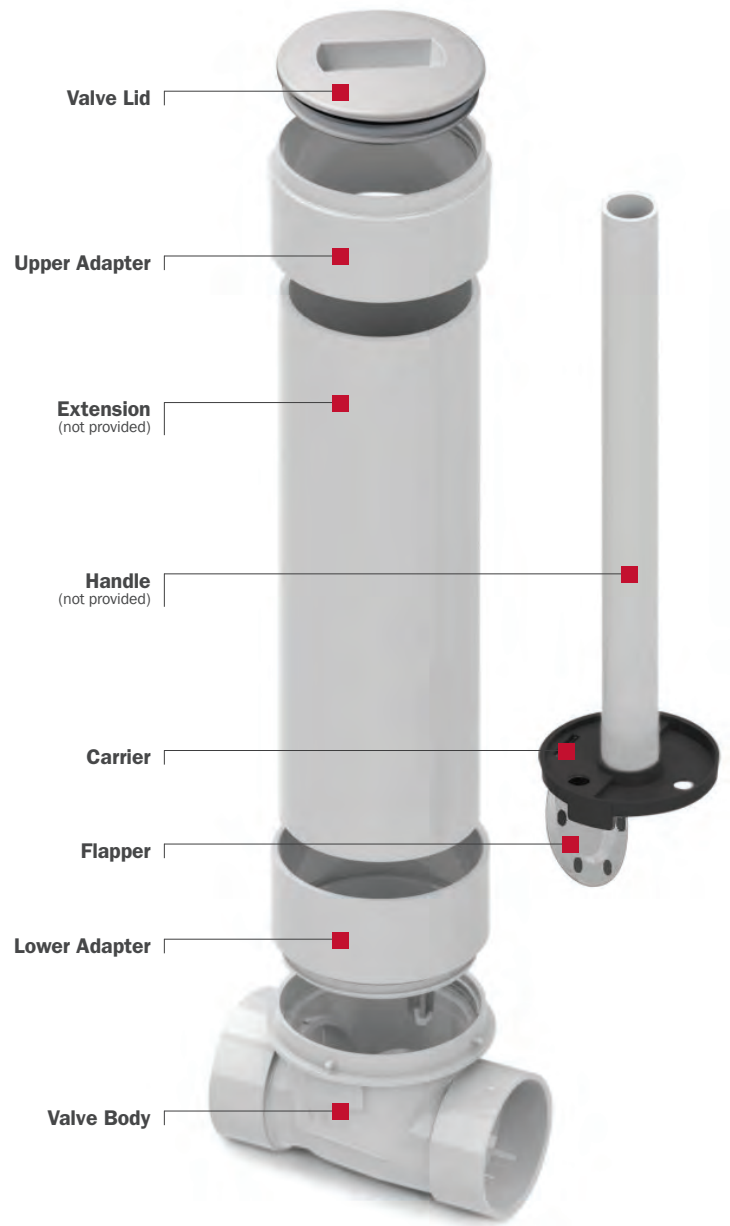
Deep-Bury Installations



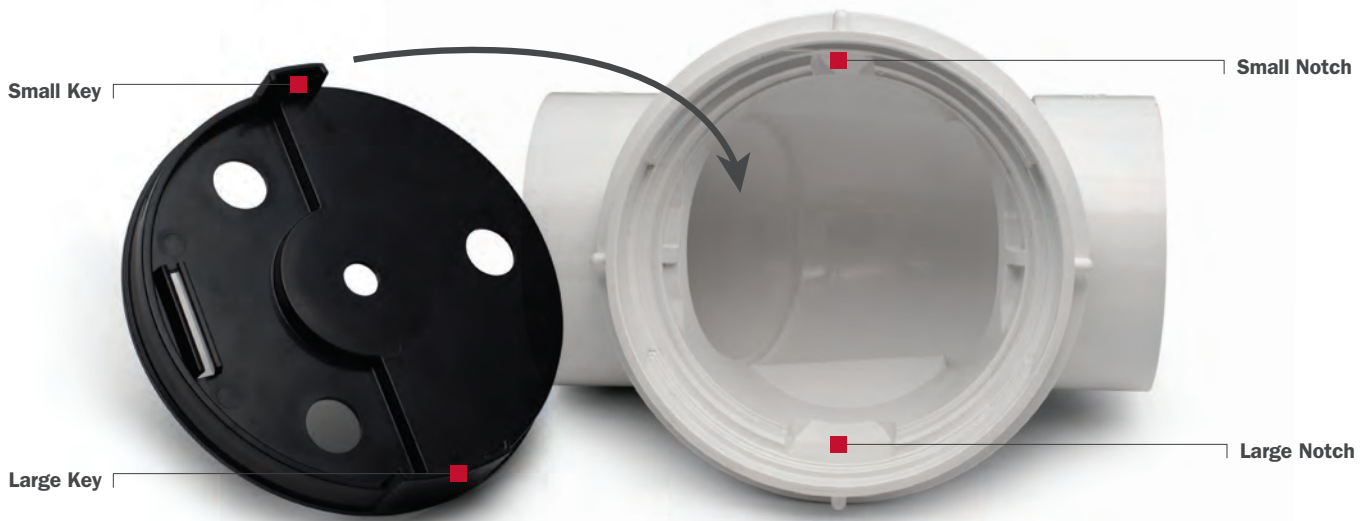
When installing the ProCheck backwater valve, we recommend the following steps:

- 1.** During the ground-rough phase, solvent-weld the valve to the 3" or 4" Sch. 40 drain line on the downstream side of the fixture(s) to be protected. To protect the sealing surfaces, the flapper/carrier should be removed during construction.
- 2.** After the valve is connected to the drainage line, measure a piece of 6" Sch. 40 pipe to bring the point of access to ground level. Then solvent-weld the pipe between the upper and lower deep-bury adapters. This extension assembly threads into the valve. Solvent-weld a piece of 1-1/2" Sch. 40 pipe (cut 1-5/8" longer than the 6" sleeve) into the socket on the top of the flapper/carrier. The flapper/carrier with extension handle lowers through the 6" sleeve and into the valve. Install the threaded valve lid (included with the valve) into the upper deep-bury adapter, sealing the system.
- 3.** To access the flapper after installation, remove the threaded lid. Using the extension handle, carefully pull the flapper and carrier through the sleeve. Regularly inspect the flapper for debris, buildup or any damage that would prevent the flapper from sealing properly. If damaged, replace the flapper or carrier. After inspection or maintenance, replace the flapper/carrier and tighten the threaded lid.

By "deep-bury" we mean those installations where the valve is too deep to be reached by hand. Deep-bury installations are often located outside the building footprint. At Sioux Chief, we have designed the ProCheck backwater valve to allow for simple conversion to "deep-bury" installation.



Additional Features



Positive Alignment

At Sioux Chief we have marked ProCheck's carrier with flow-direction symbols and designed it with two different-sized keys. The keys will only fit into the valve body when correctly aligned. In deep-bury situations, this helps prevent improper installation of the flapper.



Easy Access

We have designed the valve lid's tool notch to accept a standard 2 x 4. This makes it easier to remove after installation. Made from HDPE, the valve lid is impact resistant — even at low temperatures — and impervious to most solvents and glues.



Permanent Seal

The unique flapper design uses overmolding to produce a much larger sealing surface than a typical O-ring. In addition, the permanently attached flapper seal will not become dislodged and fail after installation.



869-S3P



869-S3AS



869-S3PS



869-S4P



869-S4A



869-S4PDB

**» Buying Information**

ITEM NO.	DESCRIPTION	U/M	PKG.	MIN. QTY.	CASE QTY.
EXTENDABLE SHALLOW-OR-DEEP BACKWATER VALVES					
869-S3A	3" ABS Backwater Valve	EA	B*	4	4
869-S3APK	3" ABS Backwater Valve	EA	C*	2	2
869-S3AS	3" ABS Backwater Valve W/ 16" Shallow Access Sleeve Kit	EA	B*	1	1
869-S3P	3" PVC Backwater Valve	EA	B*	4	4
869-S3PPK	3" PVC Backwater Valve	EA	C*	2	2
869-S3PS	3" PVC Backwater Valve W/ 16" Shallow Access Sleeve Kit	EA	B*	1	1
869-S4A	4" ABS Backwater Valve	EA	B*	4	4
869-S4APK	4" ABS Backwater Valve	EA	C*	2	2
869-S4AS	4" ABS Backwater Valve W/ 16" Shallow Access Sleeve Kit	EA	B*	1	1
869-S4P	4" PVC Backwater Valve	EA	B*	4	4
869-S4PPK	4" PVC Backwater Valve	EA	C*	2	2
869-S4PS	4" PVC Backwater Valve W/ 16" Shallow Access Sleeve Kit	EA	B*	1	1
869-SF3	Flapper & Carrier For 3" Backwater Valve	EA	B*	10	10
869-SF4	Flapper & Carrier For 4" Backwater Valve	EA	B*	10	10
869-SSL	Turn-Lock Collar & Lid for 16" Shallow Access Sleeve	EA	B*	4	4
869-SSK	Shallow Access Sleeve Kit – Collar/Sleeve/Lid	EA	B*	1	1
869-SVLB	Threaded Lid For Backwater Valve, Black W/ O-Ring	EA	B*	10	10
869-SVLW	Threaded Lid For Backwater Valve, White W/ O-Ring	EA	B*	10	10
869-S4ADB	Upper & Lower Deep-Bury Adapters – ABS (for use with 3" or 4" backwater valves purchased separately)	EA	B*	1	1
869-S4PDB	Upper & Lower Deep-Bury Adapters – PVC (for use with 3" or 4" backwater valves purchased separately)	EA	B*	1	1
STANDARD SHALLOW BACKWATER VALVES					
869-2A	2" ABS Backwater Valve	EA	B	1	8
869-2P	2" PVC Backwater Valve	EA	B	1	8
869-23	Access Sleeve Kit For 2" Valve – Collar/Sleeve/Lid	EA	B	1	1
869-6A	6" ABS Backwater Valve	EA	B	1	1
869-6P	6" PVC Backwater Valve	EA	B	1	1
869-6A1	Threaded Lid For 6" Valve, Black W/ O-Ring	EA	B	1	2
869-6P1	Threaded Lid For 6" Valve, White W/ O-Ring	EA	B	1	2
869-60	O-Ring For 6" Threaded Lid	EA	B	1	10
869-61	Flapper & O-Ring For 6" Valve	EA	B	1	10
869-63	Access Sleeve Lid For 6" Valve	EA	B	1	15

**PACKAGING:**

B = Bulk

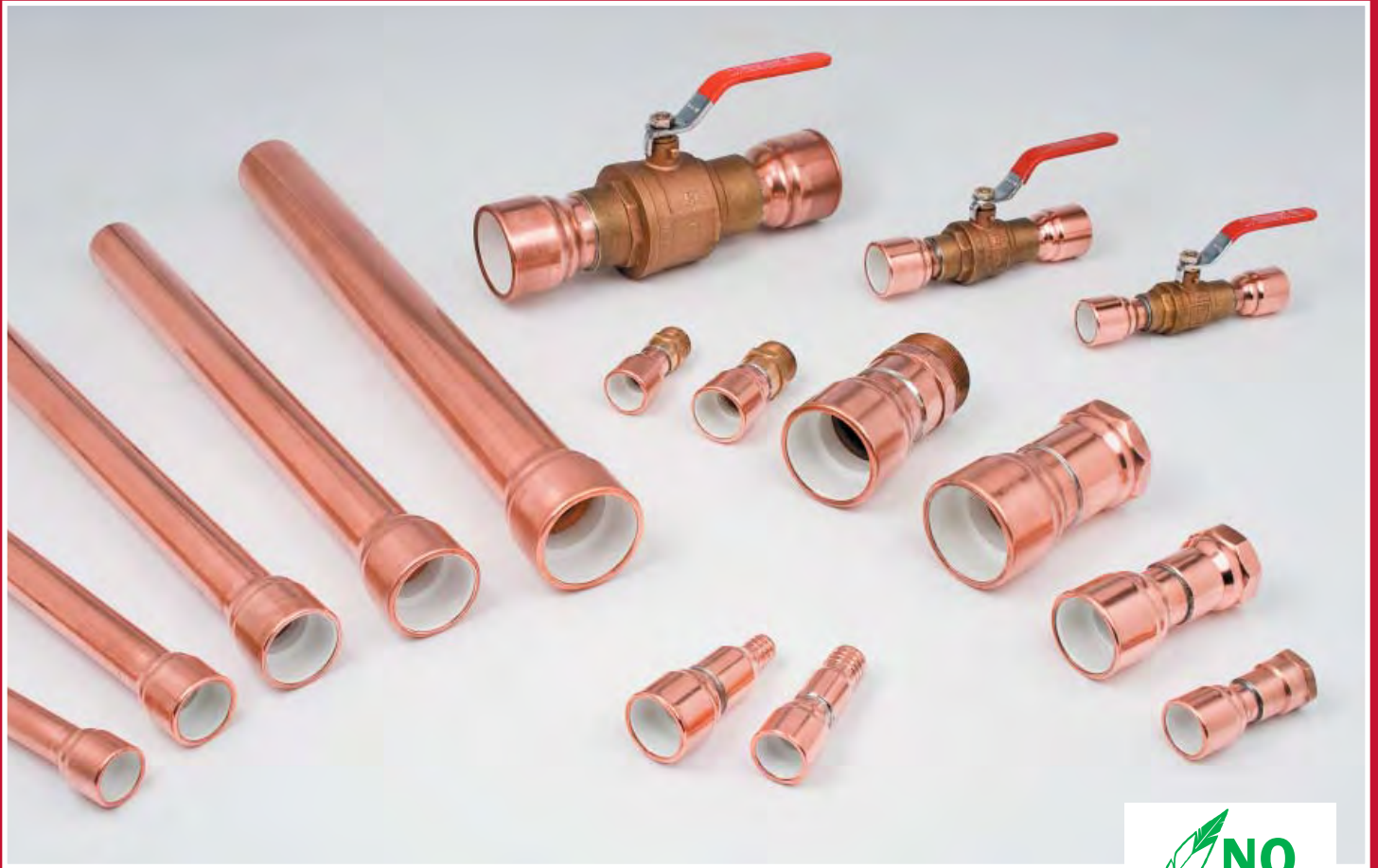
C = Cut Case

* Individually Bar-Coded

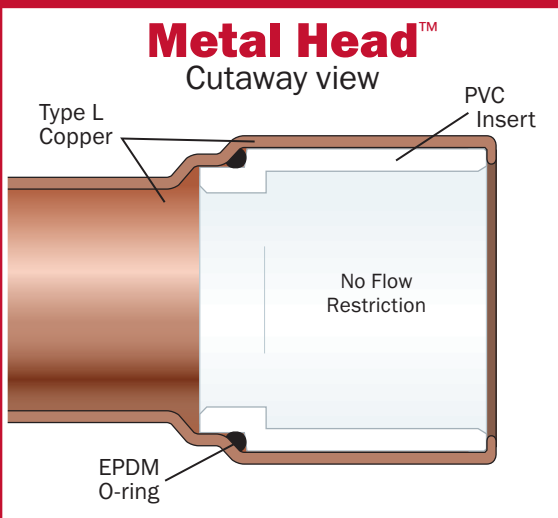
[CLICK FOR SUBMITTAL](#)24110 South Peculiar Drive
Peculiar, Missouri 64078
P 1 800 821 3944
F 1 800 758 5950**DISTRIBUTED BY**

Metal Head™

PVC Transition Fittings



indicated models comply with CA lead plumbing laws



• UNIQUE

Design provides full flow with no restriction through the fitting

Copper tube surrounds and protects PVC insert, for more durable connections vs. other transition fittings

• COMPATIBLE

Fittings conform to ASTM F 1970, and are designed for use with PVC Sch. 40 pipe and fittings conforming to ASTM D 2466

• QUALITY

All fittings are 100% production tested for leak proof connections



Supply • Access • Drainage • Testing • Support • Specialties • Tools

Male Sweat Adapter



- Perfect for water service connections
- Press Fitting compatible

⚠ CAUTION

Do Not Cut This Fitting
Cutting this fitting voids warranty

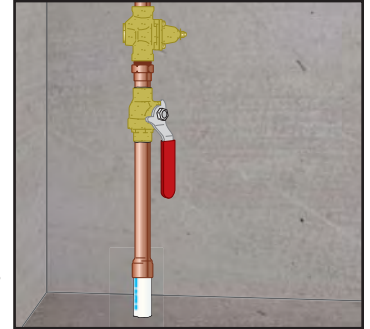
Do Not allow PVC portion of fitting to be heated.
Do Not exceed 140°F. Excessive heat can damage the PVC insert and internal o-ring.

Whenever possible, solder with PVC socket facing downward. Plug PVC socket to prevent chimney effect. Apply torch to female fitting - not the adapter

Use a commercial heat blocking agent between solder joint and PVC joint, and perform solder joints at min. distance of:

- 10" from 3/4" PVC socket
- 18" from 1" & 1 1/4" PVC socket
- 20" from 1 1/2" PVC socket
- 22" from 2" PVC socket

A perfect fitting to transition from a PVC service line to copper. Solder with PVC insert facing downward, apply torch to female fitting, and use a heat blocking agent to prevent damage.



Item No.	Description	Length	Pkg	Min. Qty.	Case Qty.	List Price
643-P311	3/4" PVC x 3/4" MSWT	11"	B	50	50	9.98 EA
643-P418	1" PVC x 1" MSWT	18"	B	25	25	18.99 EA
643-P518	1 1/4" PVC x 1 1/4" MSWT	18"	B	1	10	37.09 EA
643-P620	1 1/2" PVC x 1 1/2" MSWT	20"	B	1	10	50.09 EA
643-P722	2" PVC x 2" MSWT	22"	B	1	10	74.79 EA



Brass Ball Valves

- Full-port ball valve with chrome-plated ball and blowout proof stem



Use in irrigation or sprinkler systems as a more durable alternative to plastic shut-off valves.

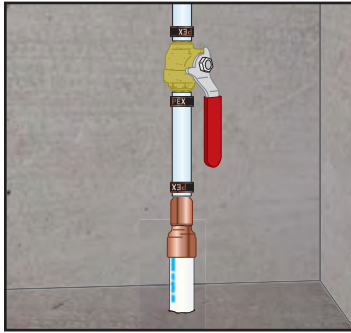


Item No.	Description	Pkg	Min. Qty.	Case Qty.	List Price
648-P3FP	3/4" PVC	B	10	10	25.21 EA
648-P4FP	1" PVC	B	10	10	43.40 EA
648-P5FP	1 1/4" PVC	B	5	5	70.49 EA
648-P6FP	1 1/2" PVC	B	1	1	98.37 EA
648-P7FP	2" PVC	B	1	1	152.63 EA

PEX Adapter



- Use for fast, easy and solid transitions from PVC to PEX



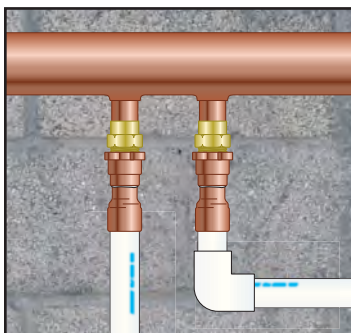
Makes fast, easy transitions from PVC service lines to PEX in-house piping systems.



Item No.	Description	Pkg	Min. Qty.	Case Qty.	List Price
F1807					
645X23P	3/4" PVC x 1/2" PEX	B	50	50	7.05 EA
645X3P	3/4" PVC x 3/4" PEX	B	50	50	7.49 EA
645X43P	3/4" PVC x 1" PEX	B	20	20	11.87 EA
645X34P	1" PVC x 3/4" PEX	B	20	20	11.80 EA
645X4P	1" PVC x 1" PEX	B	20	20	12.38 EA
F2080					
645A3P	3/4" PVC x 3/4" PEX	B	50	50	10.59 EA
645A4P	1" PVC x 1" PEX	B	20	20	18.52 EA
F1960					
645WG3P	3/4" PVC x 3/4" PEX	B	50	50	9.82 EA
645WG4P	1" PVC x 1" PEX	B	20	20	18.52 EA
F2434 - FAILSAFE					
645X54P	1 1/4" PVC x 1" PEX	B	10	10	47.50 EA
645X5P	1 1/4" PVC x 1 1/4" PEX	B	10	10	50.90 EA

Thread Adapter

- Transition easily from PVC service lines to threaded adapter for CPVC, copper, or PEX supply systems



Great fittings for connecting PVC irrigation lines to copper water service systems



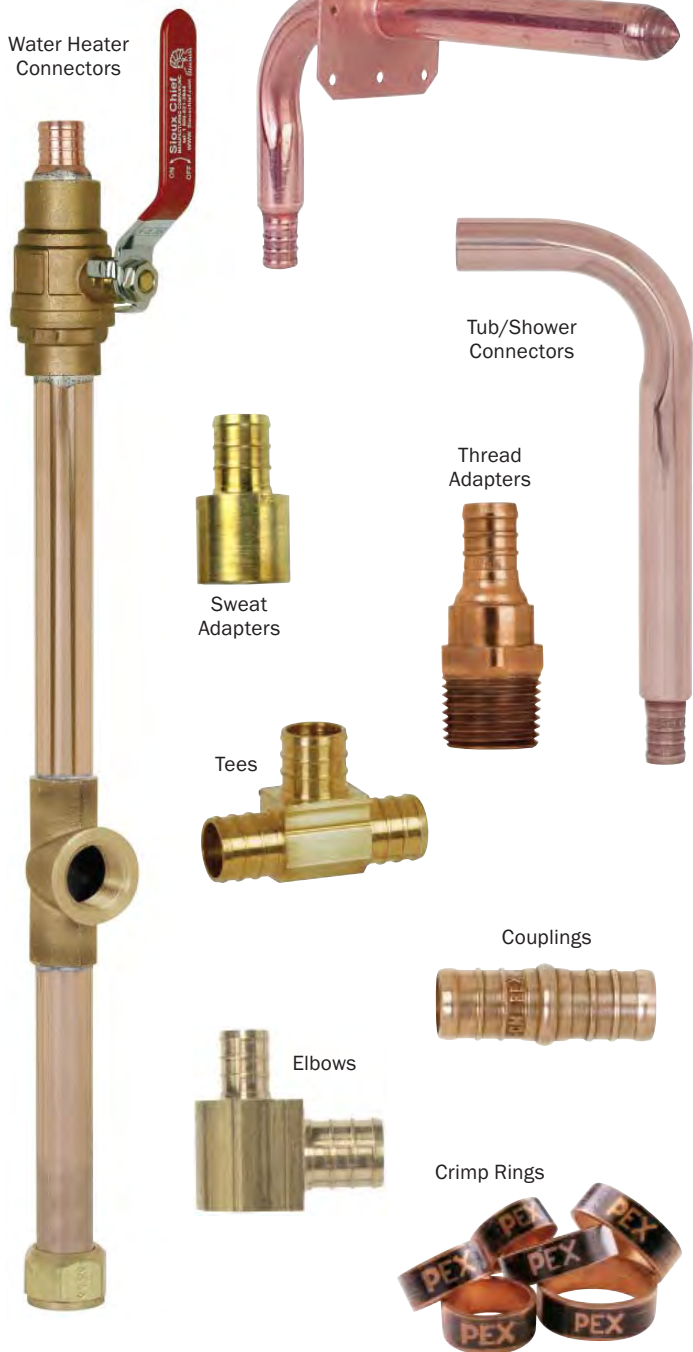
Item No.	Description	Pkg	Min. Qty.	Case Qty.	List Price
MIP THREAD					
646-P3	3/4" PVC x 3/4" MIP	B	50	50	8.43 EA
646-P4	1" PVC x 1" MIP	B	20	20	13.82 EA
646-PG3	3/4" PVC x 3/4" MIP	B	50	50	8.90 EA
646-PG4	1" PVC x 1" MIP	B	20	20	14.00 EA
646-P5	1 1/4" PVC x 1 1/4" MIP	B	10	10	20.48 EA
646-P6	1 1/2" PVC x 1 1/2" MIP	B	10	10	42.88 EA
646-P7	2" PVC x 2" MIP	B	10	10	58.10 EA
FIP THREAD					
647-P3	3/4" PVC x 3/4" FIP	B	50	50	9.44 EA
647-P4	1" PVC x 1" FIP	B	20	20	16.21 EA
647-PG3	3/4" PVC x 3/4" FIP	B	50	50	9.84 EA
647-PG4	1" PVC x 1" FIP	B	20	20	16.61 EA
647-P5	1 1/4" PVC x 1 1/4" FIP	B	10	10	22.06 EA
647-P6	1 1/2" PVC x 1 1/2" FIP	B	10	10	53.80 EA
647-P7	2" PVC x 2" FIP	B	10	10	77.59 EA

Patriot PEX Transition Fittings

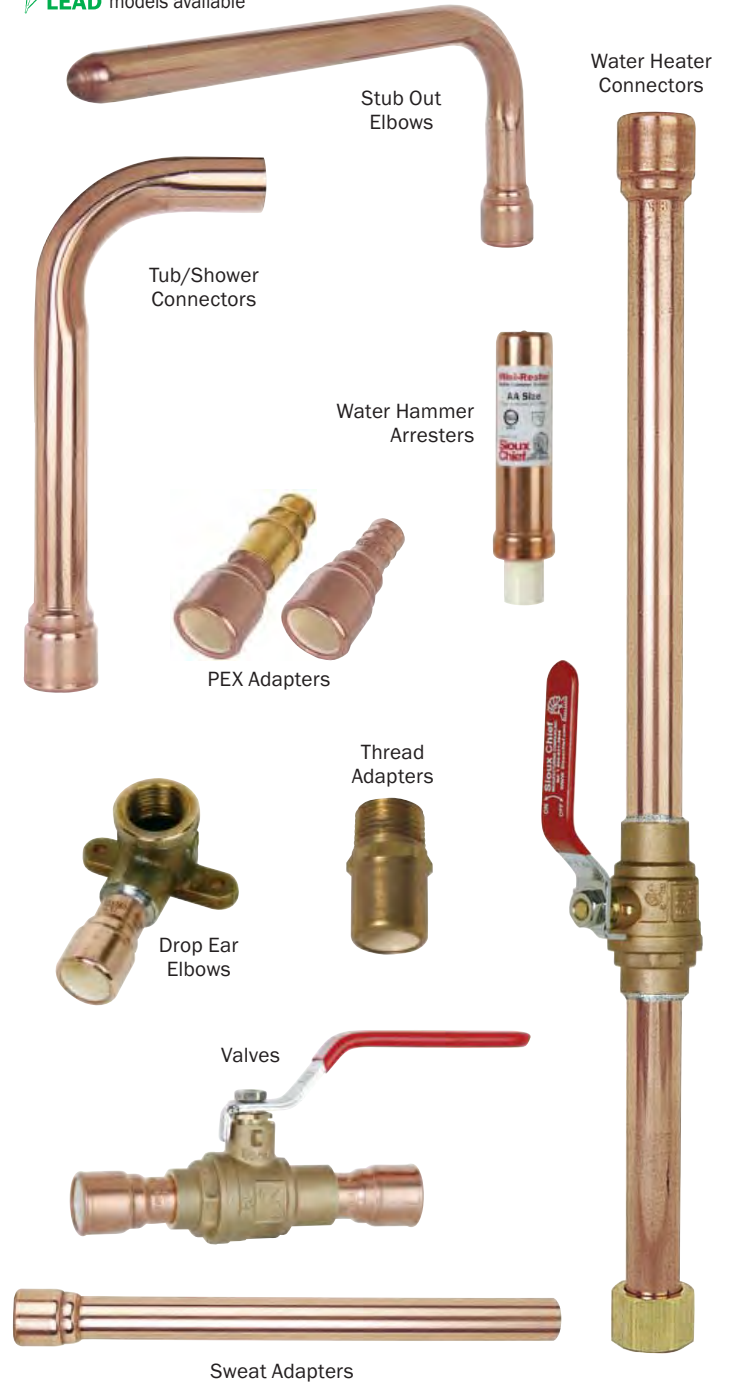
Metal Head™ CPVC Transition Fittings

Sioux Chief has the widest and most complete line of transition fittings for PEX and CPVC in the industry. All Sioux Chief products, including Patriot PEX™ and Metal Head™ transition fittings are covered by a lifetime warranty.

NO LEAD Standard & No Lead models available



NO LEAD Standard & No Lead models available



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24110 South Peculiar Drive
Peculiar, Missouri 64078
tel: 1-800-821-3944
fax: 1-800-758-5950
www.siouxchief.com



FinishLine™

Adjustable Drainage System



Adjust After the Pour
Finish Fixtures remain adjustable after the concrete pour — right up until flooring installation.

Protect Finish Fixtures

Keep strainers/covers off the job site until rough construction is finished.

Correct for Level

Unique Shims quickly and easily correct tilted fixtures.

Achieve a Perfect Finish

Using the FinishLine allows you to design a perfect finish into every job — every time.



FinishLine™

»» Adjustable Drainage System

Many Problems

The FinishLine Solution

FinishLine Installation

Product Types

Installation Comparison

Options & Accessories

Packaging Options

Additional Resources

Project Profile

Featured Projects



Many Problems



Boxing Out/Wrapping

Box-outs need to be covered during rough-in and refilled before flooring. Additional time must be spent to wrap heads with foam, or build and set frames around fixtures.



Construction Damage

During rough construction, heavy equipment and building materials can easily damage fixtures specified for foot traffic. Clogs due to job site debris are also a concern.



Duct Tape

While duct tape can prevent concrete and debris from entering the drain line, it offers no protection from load or impact damage. Plus, it is often a time-consuming nuisance to remove.



Fixtures Too Low/Tilted

Changes to the flooring spec or abuse during the pour can lead to fixtures locked in the slab too low, too high or tilted. These problems make the product unsightly and unsanitary.

The FinishLine Solution

Protect Finish Fixtures

- The FinishLine system allows you to protect strainers and covers from abuse the best way possible - by keeping them off the job site until construction is finished.
- The Coring Plug installs at rough-in. No worries about theft or damage to expensive Finish Fixtures during rough construction.



Adjust After the Pour

- After removal of the Coring Plug, the Finish Fixture installs into the perfectly cored hole provided by the Coring Sleeve.
- Adjust the Finish Fixture to any height necessary - up to 1¼" without accessories. This means your fixtures can always be set flush with the finished floor.
- Square strainers can finally be set square with walls and tile; easily and precisely. No guesswork needed for angle or direction.



Correct for Level

- Quickly and easily level the Finish Fixture with the FinishLine's unique and exclusive Shim Kit.
- Shims install under the ring/strainer to bring low sides up to floor level.
- No stacking washers, or unsightly trip hazards from tilted fixtures.





Finish Fixture

The Finish Fixture installs into the Coring Sleeve after rough construction is complete. No duct tape, no damage. It easily adjusts after the slab pour to any flooring spec.

ACME Threads

The square, ACME thread design provides strength and easy adjustment, even when debris is present. Threads allow secondary drainage to pass freely.

Rough-In Fixture

The "Rough-in Fixture" is comprised of a Coring Plug, Coring Sleeve and Base Adapter.



Coring Plug

Tough and temporary, the Coring Plug covers the Coring Sleeve and takes the abuse during construction. Keeps the Finish Fixture off the job site and protects the internal threads and piping system from construction damage.

Coring Sleeve

The Coring Sleeve forms a perfectly cored hole in the concrete slab, which ensures complete adjustability of the Finish Fixture. Adjust the Coring Sleeve before the pour to be flush with (or slightly below) the slab level.

Base Adapter

The Base Adapter makes the connection to the drainage system.

Many Options Available

On-grade and above-grade floor drains and cleanouts with no-hub, push-joint and solvent weld connections.

FinishLine Installation

Set Drain

- Connect the rough-in fixture to the pipe and adjust the Coring Sleeve to be flush, or slightly below slab level.
- No need to estimate/anticipate finish floor level at rough-in, no need to wrap threads or cover top with duct tape.
- Apply adhesive (silicone) to the Coring Sleeve threads, if desired, to lock it in place before the slab is poured.



Pour/Finish Concrete Slab

- Pour and finish the slab flush with the Coring Sleeve.
- The flush surface makes it easy for concrete contractors to provide a smooth, flat slab finish.
- No need to be present during the pour to make last-minute corrections/adjustments.



Remove Coring Plug

- After rough construction, and before the finish floor is installed, remove the Coring Plug.
- The Coring Plug has taken all the job site abuse, protected the internal threads and prevented debris from entering the drain lines.
- Coring Plug is recyclable with all #2 (HDPE) materials.



Install/Adjust Finish Fixture

- Install the Finish Fixture into the Coring Sleeve and adjust to floor level - from flush*, to 1¹/₄" above the Coring Sleeve. Extensions are available for additional height.
- No problem if flooring spec changes after rough-in. Flooring contractor can make final adjustments to height and alignment as necessary for a perfect finish.
- Apply adhesive (silicone) to the Finish Fixture threads, if desired, to lock it in place.

*Minimum height with square strainer = 5/16"



Correct for Level

- If the Finish Fixture surface is tilted, remove the ring/strainer and install FinishLine Shims as needed to bring low sides up to floor level.
- Stack multiple Shims if necessary.



Perfect Finish

- The FinishLine allows for a perfect finish, reflecting the professionalism with which it was specified and installed.
- No job site damage to strainers/covers.
- No fixtures too low or too high.
- No tilted fixtures.
- No scraping duct tape.
- No boxing out.



Product Types

On-Grade Drains 832 Series

The 832 Series on-grade floor drains are for use in ground-level applications, or where a waterproofing membrane is not needed.

- Multiple sizes of round or square pattern strainers in nickel-bronze and stainless steel for pedestrian traffic, and ductile iron material for heavy-duty applications.
- Connection sizes/types to fit any application. Cast iron no-hub or push-joint, ABS/PVC Sch. 40 hub, or stainless steel.



Flashing Drains 833 Series

With a clamping collar and flanged Base Adapter, the 833 Series Flashing drains are typically installed when a waterproofing membrane is used to protect finished areas under the drain.

- Multiple sizes of round or square pattern strainers in nickel-bronze and stainless steel for pedestrian traffic, and ductile iron material for heavy-duty applications.
- Mixed-material models, with poly tops and cast iron bases, offer cost-effective alternatives to all cast iron models.
- Connection sizes/types to fit any application - cast iron no-hub, push-joint, and inside-caulk, or ABS/PVC Sch. 40 hub.



Halo Models 822 Series

The unique and versatile 822 Series Halo models (floor drains and cleanouts available) have a 2" wide stainless steel mounting flange. The Halo flange makes installation easy in cored concrete, corrugated decks, wood subfloors, etc.

- Round or square pattern strainers/covers in nickel-bronze and stainless steel.
- Cast iron models with 2" and 3" no-hub connection, or ABS/PVC with 2x3" and 3x4" solvent weld connection.



Cleanouts 834 Series

Floor cleanouts provide access to drain lines for service/maintenance. The 834 Series cleanout bodies are sealed with a plug to block sewer gas and topped with solid covers suitable for various traffic requirements.

- Round or square pattern scoriated covers in nickel-bronze and stainless steel for pedestrian traffic, and ductile iron material for heavy-duty applications.
- Base Adapter includes polypro cleanout plug.
- Connection sizes/types to fit any application - cast iron no-hub or push-joint, ABS/PVC Sch. 40 hub, or stainless steel.



Installation Comparison

Standard Floor Drain

1. Set Drain at Rough-in*

- Connect outlet to pipe and adjust tailpiece to the “anticipated” level of the finished floor.
Note: If using square strainers, set in proper orientation with tile/grout lines.
- Cover strainer with duct tape for protection.
Note: Duct tape will provide reasonable protection from concrete and large debris, but not from load/impact damage.
- Wrap threads on tailpiece with tape or foam-wrap to allow adjustment after the pour.

* This step is skipped if fixtures are boxed out. Drains would be installed after slab pour and small batches of concrete prepared and poured around drains by plumbing contractor after installation.



2. Pour/Finish Concrete Slab

- Contractors are assigned to job sites during slab pour to address any issues with damage, misalignment or necessary last-minute adjustments.
Note: While on-site damage control is not necessary, this stage of construction is notorious for causing issues with drainage fixtures that are difficult to correct once the slab sets.



3. Trim/Flooring Stage

- Remove duct tape and residue from strainers.
Note: Replace any strainers that are missing or have been damaged during construction.
- If possible, make final adjustments to fixtures that were previously foam wrapped.
Note: If wrapping was not used, or failed to provide adjustment, determine the best way to correct low/high fixtures.
Note: If any changes to the flooring spec were made after the slab pour, it may require fixtures to be chipped out.
- Level any tilted strainers (stacked washers, etc.).
Note: In most cases, this will only level the strainer, not the ring around the strainer, which is part of the locked-in-concrete tailpiece.



FinishLine Floor Drain

1. Set Drain at Rough-in

- Connect outlet to pipe and adjust Coring Sleeve to be flush with (or just below) the slab level.

Note: Locating bristles (see Options/Accessories) can be used if the Coring Sleeve is to be installed below slab level.



2. Pour/Finish Concrete Slab

- Setting the FinishLine flush with the slab allows concrete contractors to quickly and easily finish right over the top of the Rough-in Fixture. No hand-finishing around the drain.

Note: Although a contractor can be on site during the pour, the FinishLine allows most issues to be corrected easily afterwards.



3. Trim/Flooring Stage

- Locate the Rough-in Fixture, and remove Coring Plug.

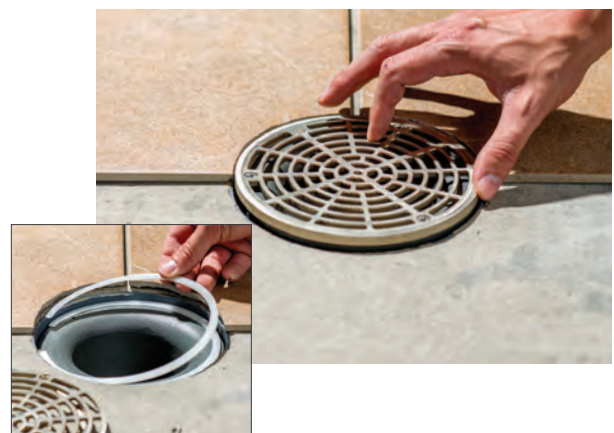
Note: Tap any concrete that's hardened above the Coring Plug with a hammer to knock it loose.

- Install the Finish Fixture and adjust to finished floor level.

Note: The Finish Fixture can be given to the flooring contractor, allowing them to install and adjust as necessary.

- Level any tilted strainers.

Note: The FinishLine Shim Kit (see Options/Accessories) levels both the ring and strainer quickly and easily.



Options & Accessories

Extension Adapters

Threaded ductile iron extension adapters install between the Coring Sleeve and the Finish Fixture. Adapters can be stacked for additional height.



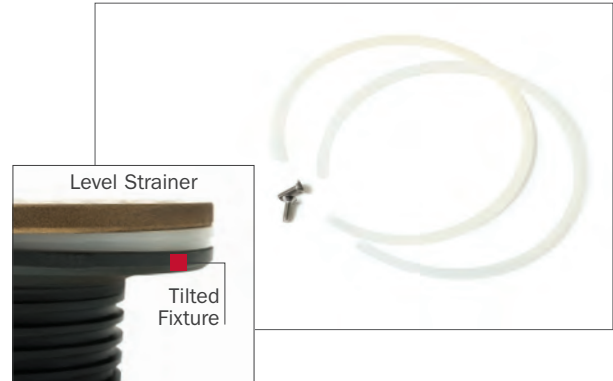
Hub Drain Fixtures

Extended strainer rims and hub drain Finish Fixtures are available for condensate applications where prevention of surface water drainage is important.



Shim Kits

Round, wedge-shaped Shims, install under ring and strainer/cover. Easily correct for level when fixtures are tilted. Kits include two Shims and two (longer) screws.



Locating Bristles

Attach the flexible locating bristles to the recess in the Coring Plug. Bristles flex flat under concrete finishing tools, then stand back up for easy location of Rough-in Fixtures after the slab pour.



Hinged Strainers

Round and square hinged strainers are available in nickel-bronze or stainless steel. Hinged strainers provide access to the drain while helping prevent loss or misplacement of the strainer.



Condensate Funnels

Round and oval pattern condensate funnels attach to the Finish Fixture strainer. Funnels collect waste from condensate lines or other sources above the floor while also allowing surface drainage.



Debris Basket

Stainless steel wire mesh debris baskets install in the Finish Fixture, just under the strainer. Baskets prevent debris from entering the drain line causing build-up and clogs.



Vandal Resistant Screws

Stainless steel spanner screws are available for strainers/covers to help prevent theft or unauthorized removal. Spanner bits for 1/4" socket available for service and maintenance.



Packaging Options

Complete Assemblies

FinishLine complete assemblies offer a convenient way to specify/order/stock a single item number. The complete assembly includes both the Rough-in Fixture and Finish Fixture.

- Complete assemblies are individually boxed and labeled.
- The Finish Fixture is boxed and labeled separately - ready for the job trailer - inside the complete assembly box (see right).



Rough-in and Finish Fixtures

Due to the amount of time between the rough-in and finish stages on a typical job, many contractors prefer to buy the FinishLine Rough-in Fixture and Finish Fixture separately.

Also, because the system is modular, buying a few Finish Fixtures and a few Rough-in Fixtures can provide many popular combinations - which can help reduce stocking and inventory.

- Rough-in Fixtures are packed/shipped per order or carton quantity.
- Finish Fixtures (always individually boxed) are packed/shipped per order or carton quantity.



Project Profile

MERCY HOSPITAL

» Joplin, Missouri

“ (It's all about labor savings.) One product Sioux Chief has and I've used on my past jobs is the FinishLine drain. The biggest thing about it is the adjustment after the pour - saves time and labor on going back and chipping it. Now that we're using the FinishLine drain, never had a problem with quality - it's always been there. ”

Clint Morgan - Superintendent
US Engineering
Kansas City, MO



» Watch the Video



FinishLine Installations - Featured Projects

Apartments

The Orsini Apartments
Worcester Loomworks Apartments
Camden NoMa Apartments
Frank Scott Lakeside Apartments
3rd & Union Apartments
Metro Lofts
Villas on Rensch
Hitchner Building
Museum Tower
Gables Republic Tower

Location

Los Angeles, CA
Worcester, CT
Washington, D.C.
O'Fallon, IL
Bloomington, IN
St. Louis, MO
Amherst, NY
Pittston, PA
Dallas, TX
Dallas, TX

Assisted Living

Meridian Village
Cedarhurst
Mainstreet Senior Living Communities
Aberdeen Heights
Clermont Nursing Care Center
Westminster Place at Bloomsburg
Windy Hill Villiage
Autumn Leaves Residential Home
Central Utah Veterans Home
Linden Grove

Location

Edwardsville, IL
Shiloh, IL
Indianapolis, IN
Kirkwood, MO
Milford, OH
Bloomsburg, PA
Phillipsburg, PA
San Antonio, TX
Payson, UT
New Berlin, WI

Culture/Religion

Vernon Park Church of God
Heritage Center
Brownsburg Baptist Church
Kenrick-Glennon Seminary
Peabody Opera House
Trinity Episcopal Church

Location

Lynwood, IL
Plainfield, IL
Brownsburg, IN
St. Louis, MO
St. Louis, MO
Galveston, TX

Food/Restaurant

McDonald's
Chick-Fil-A
Chipotle
Starbucks
Traviana Italian Kitchen
Fogo de Chao Brazilian Steak House
The Patio BBQ Restaurant
Clara's Restaurant
Jack's Steakhouse
Mambo Seafood
D'amico's Italian Market & Café

Location

National/Regional
National/Regional
National/Regional
National/Regional
Destin, FL
Chicago, IL
Lombard, IL
Woodridge, IL
Garden City, KS
Houston, TX
Sugarland, TX

Grocery

Kroger Grocery Stores
Meijer Stores
Sendick's Market
Harris Teeter Supermarkets
Woodmen's Market
HyVee
Brothers Market Grocery
Caputo's Italian Village
Mariano's Fresh Market

Location

National/Regional
National/Regional
National/Regional
National/Regional
National/Regional
Lisbon, IA
Carol Stream, IL
Chicagoland, IL

Health Care

St. Joseph's Presbyterian Hospital
Max Planck Institute
Dakota Dialysis Centers
Silver Cross Hospital
Kingman Community Hospital
Via Christi Hospital
Crittenton Hospital Medical Center

Location

Denver, CO
Jupiter, FL
Chicagoland, IL
New Lenox, IL
Kingman, KS
Witchita, KS
Rochester Hills, MI

St. John's Hospital
Mercy Hospital
Margaret Maclean Animal Welfare Center
Ressler Building
Berks Center for Digestive Health
Children's Hospital of Milwaukee
Wheaton Franciscan Health Care

Creve Coeur, MO
Joplin, MO
Great Falls, MT
Coal Township, PA
Wyomissing, PA
Milwaukee, WI
Racine, WI

Hospitality

Viceroy Hotel
Staybridge Hotel
Pear Tree Inn
Alexander Hotel
Grand Victoria Hotel
Greek Town Casino Hotel
Westin Book Cadillac Hotel
Hilton Homewood Suites
Sunburst Hotel
Marriot Towneplace Suites
Hard Rock Hotel & Casino
Osage Hotel & Casino
Holiday Inn Express
Hilton Garden Inn

Location

Snowmass, CO
Atlanta, GA
Champaign, IL
Indianapolis, IN
Rising Sun, IN
Detroit, MI
Detroit, MI
Richmond Heights, MO
Sidney, MT
Buffalo, NY
Catoosa, OK
Ponca City, OK
Dickson City, PA
Chesapeake, VA

Military Base

Tyndall Air Force Base
Lawrence Rediness Training Center
Whiteman Airforce Base
Nellis Air Force Base
Fort Drum Army Base
Fort Bliss Army Base

Location

Panama City, FL
Lawrence, IN
Whiteman, MO
Las Vegas, NV
Fort Drum, NY
El Paso, TX

Mixed Use

1026 Madison Street
Buick Building
Streets of St Charles
Interbake Bulding Renovation

Location

Chicago, IL
Indianapolis, IN
St. Charles, MO
Richmond, VA

Production/Manufacturing

Pikes Peak Winery
Fabwerks
Honeywell FM&T - National Security Campus
Pfizer/Alacer Plant
Victory Brewery
CHR Hansen

Location

Colorado Springs, CO
Crest Hill, IL
Kansas City, MO
Carlisle, PA
Parkesburg, PA
Milwaukee, WI

School/University

Stamford High School - Boyle Stadium
Hapeville Charter Career Academy
Young Harris College
Belle Valley High School
Southern Illinois University
Wesclin High School
Noblesville Elementary School
Westfield High School
Wayne State University
Michigan State University
Alexandria High School
Caldwell Community College
Dickenson College Athletic Facility
West Chester University
The Goddard School
Madison Metro School District
Concordia University
Milwaukee School of Engineering

Location

Stamford, CT
Atlanta, GA
Young Harris, GA
Belleville, IL
Edwardsville, IL
Trenton, IL
Noblesville, IN
Westfield, IN
Detroit, MI
East Lansing, MI
Alexandria, MN
Lenoir, NC
Carlisle, PA
West Chester, PA
Katy, TX
Madison, WI
Mequon, WI
Milwaukee, WI

Engineers Specifying/Approving the FinishLine System

AE Associates
Given & Associates
McGrath Engineering
Matern Professional Engineering
Landmark Facilities Group, Inc.
Jordan Skala Engineers
Perry Crabb & Associates
AHA Consulting Engineers
Matheson-Ball & Associates
dbHMS
W-T Engineering, Inc.
RTM Associates, Inc.
Mussett Nicholas
Vector Consulting
Global Engineering Solutions
Mendoza, Ribas, Farinas & Associates
CTA Architects & Engineers
L'Heureux, Page, Werner Engineering
Allied Consulting Engineers
Little & Associates
Professional Engineering
Saber Engineering
Petersen Engineering
Ashokan Water Services

Greeley, CO
Lakewood, CO
Lakewood, CO
Ft. Myers, FL
Fairfield, CT
Atlanta, GA
Atlanta, GA
Roswell, GA
Roswell, GA
Chicago, IL
Hoffman Estates, IL
South Barrington, IL
Indianapolis, IN
Indianapolis, IN
Rockville, MD
Rockville, MD
Billings, MT
Great Falls, MT
Charlotte, NC
Charlotte, NC
Charlotte, NC
Charlotte, NC
Rockingham, NH
Brooklyn, NY

Edward & Zuck Engineers
Lakhani & Jordan
Berardi & Partners
WD Partners
Lehigh Valley Engineering
Tim Aikman Architecture
Reynolds Consulting Engineers
Keystone Consulting & Associates
Maffett Loftis Engineering
Bedinger Consulting Engineers
Kelso-Regen Associates
CrossRoads Development Services
Smith Seckman & Reid
Black & Veatch
Blum Consulting Engineers
Geotting & Associates
Purdy McGuire Inc.
ID Studio 4
Brandt Engineering
Coppernoll Mechanical Design
Southport Engineering Systems
Shumann & Associates
Lubeon Gobster Dominiak
Thunderbird Engineering

New York, NY
New York, NY
Columbus, OH
Dublin, OH
Bethlehem, PA
Dalton, PA
Harrisburg, PA
Honesdale, PA
Cookville, TN
Knoxville, TN
Knoxville, TN
Mount Juliet, TN
Nashville, TN
Dallas, TX
Dallas, TX
Dallas, TX
Dallas, TX
Irving, TX
Richmond, VA
Ixonnia, WI
Kenosha, WI
La Crosse, WI
Mequon, WI
Milwaukee, WI

PDQ™ Sillcock

➤➤ Removeable/Replaceable
Push Fit Connection



INSTALLATION INSTRUCTIONS

- Works with all 1/2" CTS Tubing

1. Be sure the stub out is bracketed securely behind the wall. Use a StainlessStar (#612-2S) if necessary to prevent backward movement.
2. After outside wall finish, use sillcock body to measure/mark stubout. Carefully cut, deburr and clean stubout where marked.
3. Place removal ring over stubout with slots toward wall surface. Push sillcock on and push back against wall surface. Align sillcock spout to desired position. Fasten sillcock to the wall with screws. Tighten set screw.

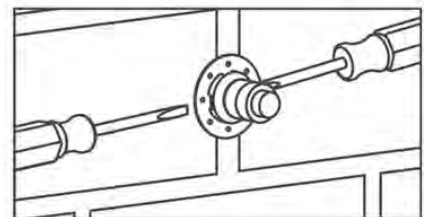
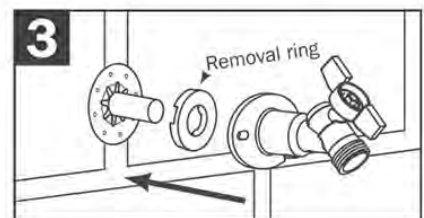
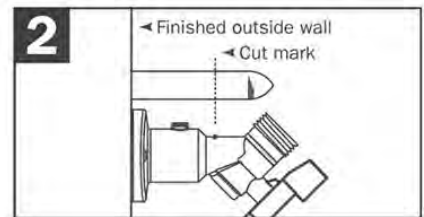
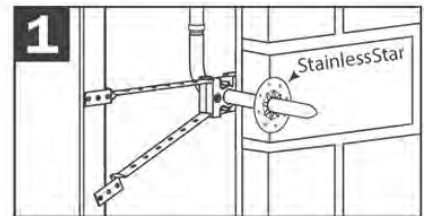
IMPORTANT: Test the Installation

To assure the o-ring was not damaged during installation and that all seals are undamaged, turn on water supply to the fixture and check for leaks. Be sure to tighten the set screw before turning on water supply.

REMOVAL

1. Turn off water supply to valve. Open valve to relieve pressure. Loosen set screw and remove flange screws. Pull sillcock to remove.
2. Use two flat-head screw drivers to pry removal ring against push fitting to release.

117Q22



⚠ **WARNING:** Cancer and Reproductive Harm
⚠ **ADVERTENCIA:** Cáncer y Daños Reproductivos
⚠ **ADVERTISSEMENT:** Cancer et effets néfastes sur la reproduction
www.P65Warnings.ca.gov

MAPS & REPS

REPRESENTATIVES MAP & SHIPPING MAP 123

REPRESENTATIVES 124

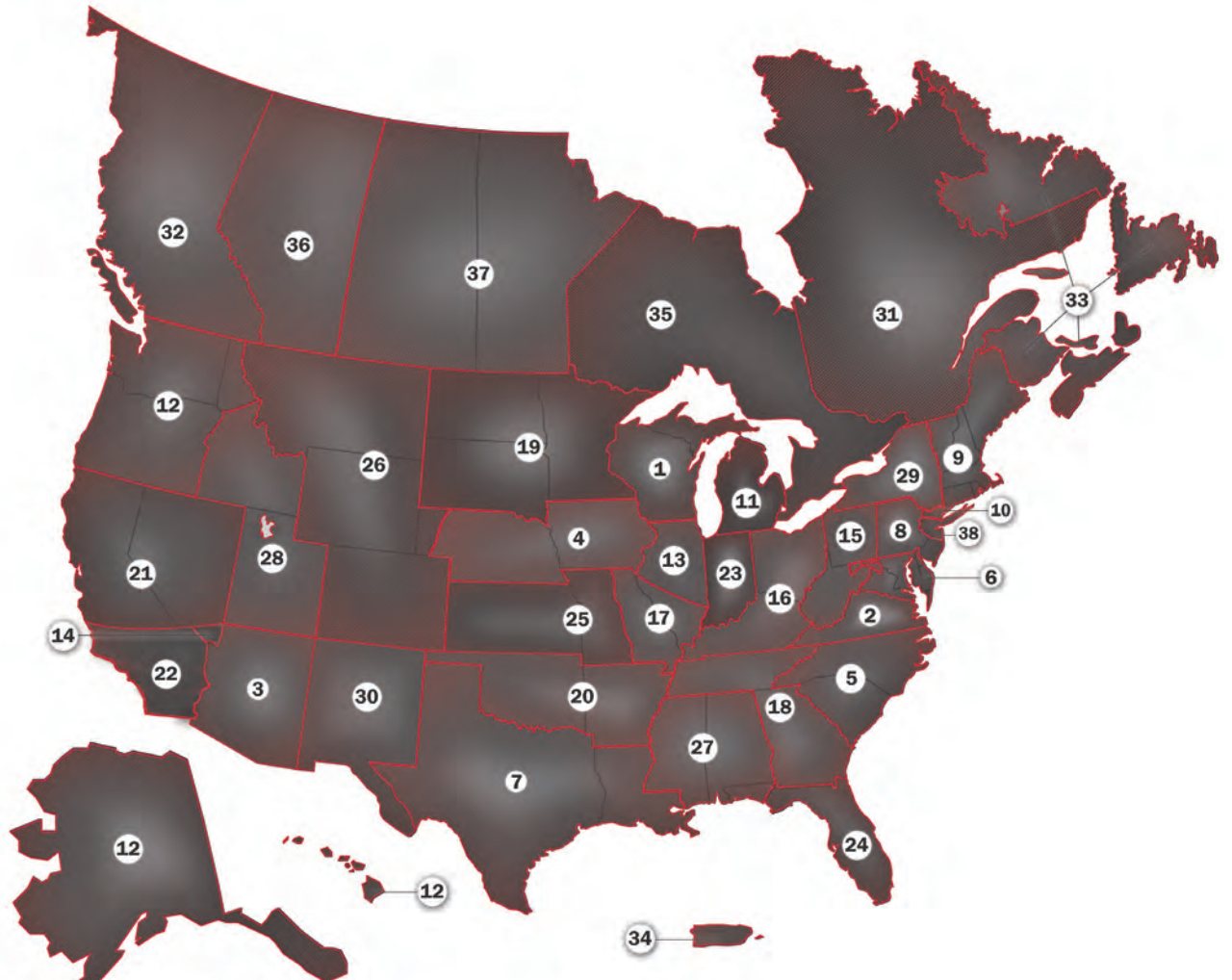
REPRESENTATIVES MAP & SHIPPING MAP

PLUMBING

GAS

TOOLS

APPENDIX



**FOR REPRESENTATIVE CONTACT INFO
SEE NEXT PAGE**



**LESS THAN TRUCKLOAD SHIPPING TIMES
FROM PECULIAR, MISSOURI**

1

NEXT DAY

2

2ND DAY

3

3RD DAY

4

4TH DAY

REPRESENTATIVES

COMPANY	PHONE	FAX	TERRITORY	WEBSITE OR EMAIL
01 Badgerland Trading of Wisconsin	(262) 827-3177	(262) 827-3176	upper MI, WI	badgerlandtrading.com
02 Barger Associates	(757) 873-4574	(757) 873-9530	southern VA	tolson@barger-assoc.com
03 Double A Sales Southwest	(602) 359-9907	N/A	AZ	doubeasales.com
04 Bull's I Sales	(913) 649-8391	(913) 649-8594	IA, eastern and central NE	bullsisales.com
05 Carolina Sales Associates	(803) 831-7227	(803) 831-2565	NC, SC	carolinasalesassoc.com
06 Cathell & Associates	(410) 323-9881	866-724-9380	southern DE, DC, MD, northern VA	cathell.com
07 Champions Marketing	(281) 955-6580	(281) 351-1125	LA, TX (except El Paso)	championsmarketing.net
08 Cope-Wardell-Ammon Assoc., Inc.	(610) 485-2828	(610) 485-7171	southern NJ, eastern PA, northern DE	cwaassociates.com
09 Davenport Associates	(800) 875-2389	(800) 451-5941	CT, MA, ME, NH, RI, VT	davenportassociates.com
10 Altherm, Inc.	(201) 871-0500	(201) 871-0314	northern NJ, Westchester/ Rockland counties NY	altherm.com
11 Exceptional Product Sales	(586) 286-3240	(586) 286-3241	lower MI	expsra.com
12 Gordon & Associates	(360) 566-1470	(360) 566-1478	AK, northern ID, OR, WA, HI	gordonandassoc.com
13 Hart, Travers & Associates	(800) 535-8525	(630) 261-1818	northern IL, northwest IN	harttraversassoc.com
14 Kirk Livernash	(702) 235-7635	(702) 476-3056	southern NV, southwest UT	kirk.livernash@siouxchief.com
15 B Daerr Sales, LLC	(412) 461-2476	(412) 461-2476	western PA, WV	bdaerr@bdaerr.com
16 Lowder Sales, Inc.	(614) 451-7255	(614) 451-0450	KY, OH	lowdersales.com
17 M R Associates, Inc.	(314) 962-8960	(314) 962-2104	southern IL, eastern MO	mrasocinc.com
18 McKee-Nix & Associates, Inc.	(770) 934-8061	(770) 934-3233	GA, TN	mckeenix.com
19 Northland Reps	(952) 854-3905	(952) 854-5210	MN, ND, SD	northlandreps.com
20 NSC Marketing	(405) 602-2800	(405) 602-2824	AR, OK	N/A
21 Paramount Sales	(925) 373-0817	(925) 373-1048	northern CA, NV	paramountsales.biz
22 Signature Sales, Inc	(951) 549-1000	(951) 549-0015	southern CA	nick@signaturesalesinc.com
23 Jacob Ismert	(800) 821-3944	(800) 578-5950	IN	jacob.ismert@siouxchief.com
24 RSL Sales Associates	(800) 538-4792	(352) 237-0438	FL peninsula	rslsales.com
25 SFE Enterprises, Inc.	(816) 322-2206	(816) 322-5560	KS, western MO	mmoore@sfe.cc
26 T M Sales	(303) 375-1515	(303) 375-0305	CO, MT, western NE, WY	tmsalesinc.com
27 Tim Morales & Associates, Inc.	(251) 602-8333	(251) 602-8339	AL, FL panhandle, MS	timmorales.com
28 Touchdown Sales	(801) 916-9853	(801) 290-2513	ID, UT	N/A
29 Twin "D" Associates	(518) 862-9500	(518) 464-3410	upstate NY	twindassociates.com
30 W W Sales Company	(505) 878-0636	(505) 878-0638	NM, western TX (El Paso)	don@wwsalesco.com
31 Can-Aqua International	(450) 625-3088	(450) 625-8617	QC	can-aqua.ca
32 Hy-Line Sales Ltd.	(604) 856-5648	(604) 856-8684	BC	hylinesales.com
33 Jessome Marketing	(902) 832-0224	(902) 832-2984	NL, NB, NS, PE	jjessome@ns.sympatico.ca
34 Reliable Sales Agency, Inc.	(787) 752-6690	(787) 752-6920	Puerto Rico	josereliablesales@gmail.com
35 TriSon Sales, Inc.	(289) 337-6012	(289) 337-6012	ON	trisonsales.com
36 Viper Sales & Marketing	(403) 663-5797	(403) 265-5779	AB	vipersales.ca
37 Eric Thompson	(800) 821-3944	(800) 758-5950	SK, MB	eric.thompson@siouxchief.com
38 Mitch Kopriva	(816) 779-6104	(800) 758-5950	S Boroughs / Long Island	mitch.kopriva@siouxchief.com



“Because of your commitment to America I can assure you we will give Sioux Chief preferential consideration when purchasing inventory for our facility. I appreciate both your patriotism and your loyalty to the people of our great country.”

Russ Knight, VP
Gulf Coast Plumbing and Electrical Supply Inc.

Returned Goods

No material shall be returned without authorization. When credit is issued it will be at the price charged, less handling charges based on costs of reconditioning, boxing, etc. Products that are obsolete or made to special order are not returnable. No merchandise will be accepted by Seller as a return unless such return is authorized in writing by Seller.

Returned Goods & Warranty Service

In order to return product or receive warranty service, customers must obtain a Return Goods Authorization ("RGA") by contacting Seller using the following information:

MAIL:

Customer Service Manager
Sioux Chief Manufacturing Company, Inc.
14940 Thunderbird Road
Kansas City, Missouri 64147

PHONE:

816-425-9900
1-800-821-3944

FAX:

816-348-7502
1-800-758-5950

EMAIL:

info@siouxchief.com

Returned Goods Procedure

RGA requests must reference Seller's order number, invoice number or the customer's P.O. number, and must be less than twelve months old.

In order to be received, all returned material must be in multiples of the stated catalog minimum order quantity and in original condition.

Specials or custom-made products are not considered normal stock and therefore cannot be returned, except in case of manufacturer's defect.

Customers will be charged 25% of invoice price for product restocking.

RGA is invalid if referenced product is not received within 90 days of an RGA issue date.

Issuance of the RGA does not authorize the customer to deduct the value of the return; once product is received by Seller and found to be in acceptable condition, Seller will issue a credit memo for returned product when applicable.

Seller reserves the right to deny, nullify or cancel an RGA at its discretion.

Seller will only supply product credit for a return or warranty claim.

Seller can reject a return for any reason at any time. Warranty Procedure - Product & Property

If there is a warranty claim on a part that involves property or other damage, Seller should be contacted by phone or in writing directly following the loss, and in no case later than 15 days of the date of alleged claim or failure and before any remediation or alteration of the loss site has been started; any notice beyond this time frame or after work has taken place to repair or change the loss site will materially affect the Seller's ability to adjudicate the claim and will void the warranty.

The product in claim and/or its installation should not be modified before review by Seller; alteration of the alleged product or installation materially affects the Seller's ability to establish fault and voids the warranty.

Upon submitting the claim according to this procedure and timing, claimant will receive a RGA number from Seller.

With the RGA number, claimant should submit a formal report of the claim, including the date of the installation, a description of the problem and damage and pictures of the product and damage (if possible). This information should be sent to the above address at claimant's expense. Seller will not receive or process a claim without an RGA number.

Seller will contact claimant with next steps, which may include a visit from a site investigator or other representatives of Seller, as Seller reserves the right to investigate all alleged loss sites.

Seller shall not be responsible for shipping errors reported 5 days after receipt of material.

Seller shall not be responsible for shipment shortages that are signed for as clear.

Warranty

Limited Lifetime Warranty

Sioux Chief Mfg. Co., Inc. ("Seller" or "the Seller") warrants its products to be free from defects in material and workmanship under normal usage for the lifetime of the plumbing system in which they were originally incorporated. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. This remedy shall be effective only if the product was installed in accordance with supplied instructions, common installation or use practices and existing building and plumbing codes and legal requirements; has not been subjected to misuse or abuse; was at all times used in a manner consistent with its intended use; was at all times used in installations and environments acceptable to its material and design specifications; was never modified, altered or repaired by anyone other than the Seller; was properly subjected to and passed common testing methods (including pressure testing for potable water and drainage systems) immediately after the product's installation and before the product is put into service; was not damaged by freezing, corrosion, degradation or other adverse water, atmospheric or other natural conditions; was never subjected to improper protection during the installation or exposure to water pressures or temperatures outside acceptable operating conditions. In addition, Seller shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, chemical or any other circumstances over which the Seller has no control. This warranty excludes all costs arising from routine maintenance, including the replacement of any parts required by such maintenance and the replacement of parts required by normal wear and tear. The Seller also reserves the right to modify, alter or improve its product, or parts thereof, at any time without incurring an obligation to notify or modify, alter, improve or replace any product, or parts thereof, previously sold. If, on any occasion, Seller waives any term or condition, this waiver is not to be construed as a continuing waiver. For the purposes of this warranty, the lifetime of the original plumbing system is defined as the lesser of 25 years or the time before the plumbing system was replaced or materially changed; all products with automatically or manually moving parts are excluded from the limited lifetime warranty and carry a 3-year limited warranty, subject to the remaining terms, conditions and limitations of the warranty. Some States do not allow or have other parameters governing limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights.

THE WARRANTY SET FORTH HEREIN ABOVE AND BELOW IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Terms & Conditions

All sales are subject to the Standard Terms and Conditions set forth on Sioux Chief's website at www.siouxchief.com. These terms include the following:

Returned Goods

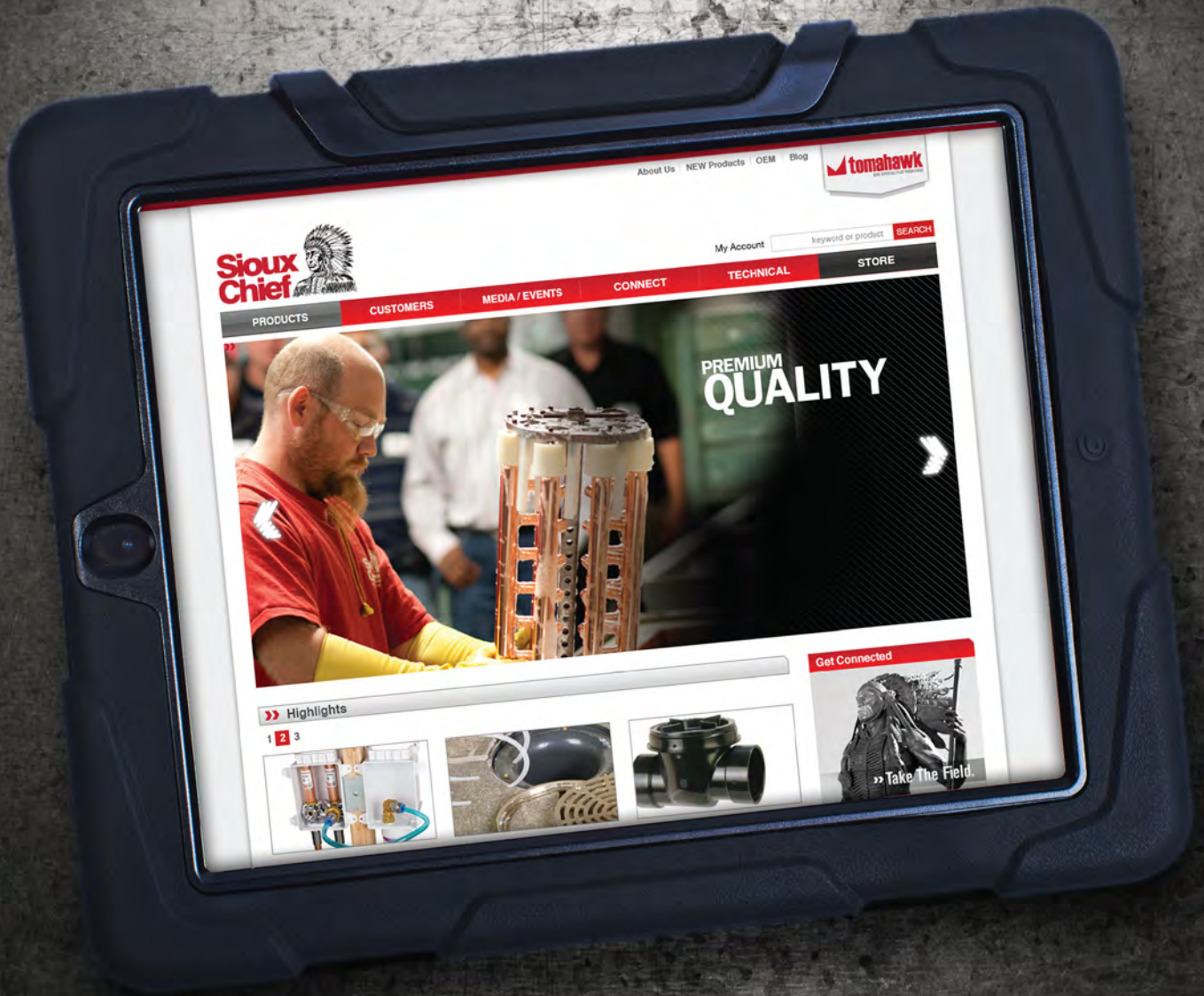
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Sioux Chief Manufacturing Company, Inc.
14940 Thunderbird Road
Kansas City, Missouri 64147



CONSIDER **SIouxCHIEF.COM** AS YOUR
ROUGH PLUMBING INFORMATION ARMORY.

Sioux Chief is working harder than ever to supply you with the right information at the right time. From our new website with a better online catalog experience, to our information-packed blog posts that help build your business and brand, to our social media presence on Facebook, YouTube and Twitter – you can connect with industry professionals, learn from our product videos and simply stay up-to-date.

TOGETHER, WE WILL **TAKE THE FIELD.**