



Sioux Chief

»» MANUFACTURING SINCE 1957

EDITION 31

SUPPLY

DRAINAGE

SUPPORT

TOMAHAWK



**CONSIDER SIOUX CHIEF AS YOUR
ROUGH PLUMBING ARMORY.**

TOGETHER, WE WILL **TAKE THE FIELD.**

EDITION 31 CATALOG

Sioux Chief wants you to win. That's what TAKE THE FIELD means. While it's just a slogan, it captures the essence of who we are and what we do.

Our products are designed to save the contractor time and money – before, during and after the rough plumbing installation. And when the contractor wins, we all win.

No matter what your role is in the rough plumbing industry, Sioux Chief will help you to build your business and brand.

Explore our catalog. Consider how you can use Sioux Chief to win. Together, we will take the field.



“ 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.

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DRAINAGE

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ABOUT

MANUFACTURING SINCE 1957 06

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Sioux Chief

»» Manufacturing Since 1957

Sioux Chief History

Sioux Chief Mfg. Co. Inc. was founded and incorporated in August 1957, by the late Martin E. "Ed" Ismert Jr., and got its start packaging specialty fasteners and other items geared toward residential plumbing jobs. In the early '60s, Ed borrowed the idea of spinning copper tube closed for simple air chambers and adapted it for stub outs that could be used by plumbers. This preformed copper tube saved plumbers from sweat soldering tube caps onto their copper tube for water shock and test-off purposes.

By 1975, a heavy emphasis on sales and new product development began when Ed's two eldest sons purchased the corporation and took over operations. Since then Sioux Chief has welcomed the third generation of family members to the team and has introduced a wide range of innovative products.

Sioux Chief began its operations in a 3,000 square foot third floor area of Double I Supply, a plumbing wholesaler in the Kansas City, Kansas, west river bottoms, from 1957 to 1967. After moving to Kansas City, Missouri, from 1967 to 1969, Sioux Chief grew into a 10,000 square foot building in Grandview, Missouri, from 1970 until 1983. In 1983, the corporation purchased its own building for the first time, a 23,000 square foot plant, warehouse and office south of Peculiar, Missouri. Today this plant/warehouse/office has grown to occupy more than 300,000 square feet on 140 acres.

Mission Statement

Sioux Chief's primary purpose is to provide better value to our customer by offering innovative products of quality and superior customer service to the professional plumbing and mechanical contractor through qualified distributors. We do this by going about our daily duties safely, conscious of our best quality and in our most productive manner.

At Sioux Chief, our customer is our chief. The managers here do not pay the wages, they only route the revenue for growth. It is our customers who pay our wages with their continued good will and loyalty. We will never assume that loyalty. We strive every day to improve quality and service for our customer, and we put all of our hearts, minds and bodies into this improvement.

A Leader in Manufacturing

Sioux Chief is dedicated to creative manufacturing and new product development. Our goal, as an American innovator, is to make plumbing installation easier, more effective and more efficient.

The values upon which the late Ed Ismert founded Sioux Chief continue to be the driving forces behind the company today: concern for the plumbing tradesman, a culture based on family and a dedication to continuous improvement.

Sioux Chief creates and manufactures some of the most diverse and innovative plumbing products in the country. We focus on product innovation initiated by field research and interviews with plumbers, engineers, code officials and distributors.

We turn ideas into a product quickly because we design and build our own machines, tools and dies, and equipment to ensure that exact product tolerances are achieved. Process innovation also controls manufacturing costs, providing constant, reliable value to the customer, year after year.



1970 | Ted Ismert, Mike Lafferty, Mike Ismert & Bill Ismert



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.

PRODUCT TIMELINE

1963
Stub Out



1978
Stub Out Elbow



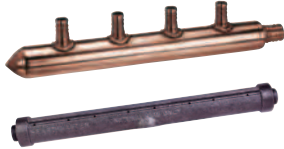
1967
Tub Spout
Elbow



1981
Tube Talon



1986
BranchMaster
HearthMaster



1989
Mini-Rester



1991
Pipe Titan



1992
Stub Air
Twin Talon



1995
HearthMaster Ball Valves



1996
TKO
PEX Fittings



1998
Padlock
CPVC Fittings
Suspensulator



1960

1980

1990

1995



1974
Plumb
Perfect



1982
Weld One



1988
Repair Coupling
Sawhorse



1993
Test Titan



1997
TouchDown
ZipStick
Grid Iron



1968
Slip Male
Adapter Long Branch



1980
Sioux Strap



1987
Hydra-Rester



1990
Quad Drain



1994
Hangs Tuff

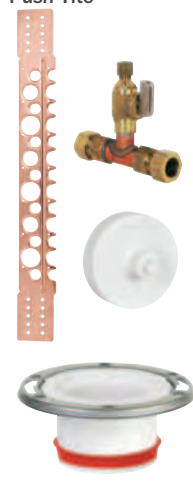


1999
Shower Walnut
TouchDown II
Prime Perfect

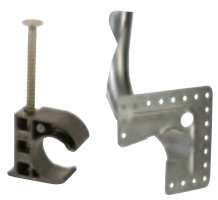
2001
Square Max



2003
Grip Tip
Add-A-Line
Secure-All
Push Tite



2005
Pick-Up Talon
Sidewinder



2006
Ox Box
Finish Line
PVC Fittings



2009
F2080 PowerPEX Fittings
Gas Ox Box
Push Tite
Double Duty Test Plug
Roof Drains



2010
TurboVent
Access Panel
Stainless Steel Finish Line
AccuCrimp and V-Sleeve



2012
ProCheck
SS Shallow Ox Box
Simple Strap
Power Bar Mini Strut
Round-to-Square Adapter
AccuCrimp Manifolds



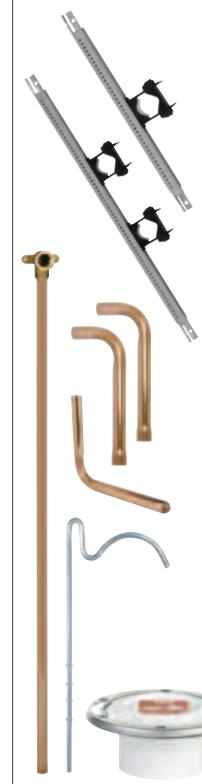
2000

2005

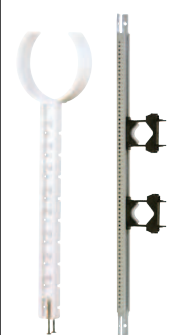
2010

2012

2000
Pipe Eye



2002
Shower-Up
Tomahawk
Stainless Ring TKO



2004
Stick-Em Up
Drop-Kick
Full Flush
Power Bar



2008
Strong Arm with Lock Block
Edge Clamp
Totem
BiFolator
A1 Bracket
Halo Drain
Full Flush TKO
Finish Line



2007
Male CPVC Mini-Rester
InFlow



2011
Main Block
Bumper Pad
Corrugated Connectors
CPVC Body DE Ell
CPVC MIP & FIP
Polished Stainless Strainers
F1960 PowerPEX Fittings

MARKS, PACKAGING CODES & DISCLAIMER

Hourglass Mark

The Sioux Chief Mark is used on products when the Indian Head cannot be produced clearly. The Mark draws its design from the Lakota symbol for Earth and Sky, the essence of Man's existence. In using it, we are reminded that our duty here is to, every day, improve the human condition and give greater glory to God.

List Price Disclaimer

All prices quoted by Sioux Chief Manufacturing 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 Sioux Chief'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



MADE IN AMERICA

MAKING IT IN AMERICA 13

Sioux Chief the Manufacturer

We're Making it in America

Quick Facts



“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.

Sioux Chief

»» Making it in America

Sioux Chief the Manufacturer

Sioux Chief creates and manufactures some of the most diverse and innovative plumbing products in the country. We focus on product innovation initiated by field research and interviews with plumbers, engineers, code officials and distributors.

We turn ideas into a product quickly because we design and build our own machines, tools and dies, and equipment to ensure that exact product tolerances are achieved. Process innovation also controls manufacturing costs, providing constant, reliable value to the customer, year after year.

Our primary purpose as an American manufacturer is to provide better value to the customer by offering innovative products of quality with superior customer service to the professional plumbing and mechanical contractor. Our goal, as an American innovator, is to make plumbing installation easier, more effective and more efficient, saving the contractor time and money before, during and after the rough plumbing installation.

Focusing on product innovation initiated by field research with plumbers, engineers, code officials and distributors, Sioux Chief creates and manufactures some of the most diverse and innovative plumbing products in the country.

No matter what your role is in the rough plumbing industry, Sioux Chief will help you build your business and brand.

See what it means to be American Made, from development to implementation.

We strive every day to meet the demands of the rough plumbing industry with innovation, quality and the American spirit.

We're Making it in America

Sioux Chief is a Buy American Compliant company located in Peculiar, Missouri. We have always supported the American worker by creating jobs and by making virtually all of our products in America from the beginning. As a leading manufacturing of rough plumbing products in Supply,

Drainage and Support, Sioux Chief will remain vigilant for the manufacture of American products with American materials.

Sourcing manufactured goods in America has changed dramatically over the last few decades, with many manufacturers, distributors and users choosing less expensive imported products. Imported products generally include added costs not accounted for at the time of purchase or order. Long lead times, product quality problems, damaged shipments and code compliance. The biggest cost though is the effect to America's overall economy, that being the loss of jobs.

Sioux Chief manufactures more than 90% of the products we sell, employing more than 350 Americans in the process. We design, build and maintain all of our own copper tube forming tools, machines, plastic injection molds, packaging, cleaning and testing equipment as we produce the highest quality American-made plumbing parts. We keep production costs low and minimize down time, delivering a consistently good value and 99% fill rates to you, our customer.

Green Initiative supporters should note that the total carbon footprint of a part made in America is half that of a part made in China and shipped to the USA.

American manufacturing generates almost 12% of the U.S. gross domestic product. It accounts for 60% of our exports and employs nearly 12 million people. 70% of U.S. dollars spent on research and development come from the manufacturing sector.

Buy American when you can. We will succeed as Americans when you do!

QUICK FACTS

- Sioux Chief began in 1957
- Located in the Heartland in Peculiar, Missouri — centrally located to deliver product to either coast in 2 days.
- Sioux Chief employs 350 people
- Sioux Chief is a third generation family owned business
- Sioux Chief's flagship product was the stub out elbow in 1961



“It’s not hard to see how Sioux Chief has achieved the top notch reputation it has after touring your plant. We have always thought that your products were of good quality, but I was amazed to see that you really walk the walk on Q.A. In this day of super automation, not many manufacturing companies have the hands on quality control that you showed me.”

Rick Sperando, President
Black Diamond Plumbing

NEW PRODUCTS

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DRAINAGE 18

SUPPORT 19



“ There is nothing in the market that can take its place. Simply the best product out there. ”

**Doug Jones, President
Schulties Plumbing**

Sioux Chief

NEW PRODUCTS



PowerPEX™
V-Sleeve™
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PowerPEX™
Dishwasher Connector
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PowerPEX™
Corrugated Connectors
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PowerPEX™
Slab Manifolds
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PowerPEX™
F1807 Multi-Size Crimp Tool
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V-Sleeve™ Compact Crimp Tool
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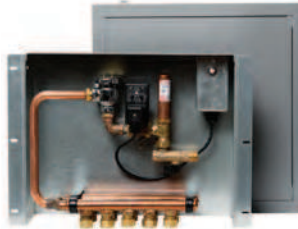
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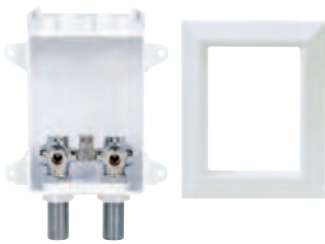
ETP
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Metal Access Panel
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Fat Max™
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Little Max™
Compact Round Floor Sink
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Cast Iron Round Floor Sink
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Halo™ Drain
Adjustable Floor Drain
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Halo™ Drain
Adjustable Floor Drain with
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Roof Drain & Overflow
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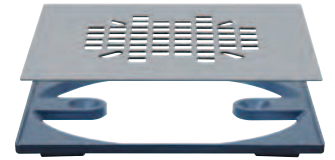
Halo™ Cleanout
Adjustable Cleanout
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Halo™ Cleanout
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Shower Pan Drain
with Double Duty™ Test Plug
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Round-to-Square Strainer Adapter
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Shower Pan Drain
Cast Metal Ring and Strainer
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Shower Pan Drain
Large Capacity, Cast Metal
Ring & Strainer
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StreamLine™
Linear Shower Drain
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Weld One™
Integral Trap Floor Drain
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Push Tite™
Gasketed Closet Flange
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ProCheck™
Backwater Valve
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TurboVent™
Air Admittance Valve
with Dual Fit Adapter
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Main Block™
Offset CTS Pipe Clamp
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Strong Arm™
For Narrow Stud Bays
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Simple Strap™
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Solder Straps™
Copper-Eared Tube Hanger
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Chase Bracket
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Power Bar Mini Strut™
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Deck Anchors
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Split Ring Hangers
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Water Heater Stands
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INTRODUCING TOMAHAWK

TOMAHAWK

The Idea
Why Tomahawk?
The Logo
New Communication
Customer Service

QUICK FACTS

- Tomahawk is a brand by Sioux Chief
- Email us at info@goTomahawk.com
- Call us at 800-821-3944 or 816-779-6104
- Visit our website at www.goTomahawk.com
- Check us out on Twitter, Facebook and YouTube





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.

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.



SUPPLY

PowerPEX™ SYSTEMS

F1807 + Other PEX Crimp
F1960
F2080

SPECIALIZED SUPPLY

CPVC
PVC
Sweat
Fit Quick™ Push Fittings
F1380 Polybutylene

ARRESTERS & PRIMERS

Arresters
Trap Primers

ACCESS

Laundry Boxes
Ice Maker Boxes
Lavatory Boxes
Toilet/Dishwasher Boxes
Gas Boxes
Accessories
Panels

»» ROUGHUP™ KITS

- ShowerUp™ Kit
- HeatUp™ Kit



“I have been using Sioux Chief’s products for nearly 20 years. The quality of these products is among the best in the industry. GMI has been a leader in our industry for years, in big part for using products such as Ox Boxes, water heater connectors, PEX fittings, etc. It’s always my pleasure dealing with a company that places emphasis on high standards of quality control as well as the development of both cost- and time-effective products.”

Steven J. Symons, Vice President
GMI First Mechanical Solutions

PowerPEX™ SYSTEMS

F1807

+ Other PEX Crimp

F2434 Failsafe™

F2159 AccuCrimp™

Viega® PEX Press®

F1960

F2080

»» Fitting Freedom

As the only manufacturer offering all three major PEX fitting systems – F1807 (and F2159), F1960 and F2080, Sioux Chief gives the contractor the power to choose and puts him or her back at the center of PEX plumbing. This level of choice turns PEX on its head. We have given this rough plumbing revolution a name: **PowerPEX™**.



PowerPEX™
V-Sleeve™
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PowerPEX™
F1807 Fittings
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PowerPEX™
F1807 Stub Outs
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PowerPEX™
F1807 Water Heater Connectors
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PowerPEX™
F1807 Kits
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Other PEX
F2434 Failsafe™ Fittings
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Other PEX
F2159 AccuCrimp™ Fittings
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Other PEX
F2159 AccuCrimp™ Manifolds
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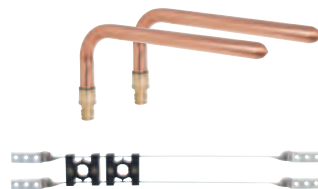
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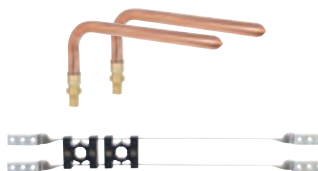
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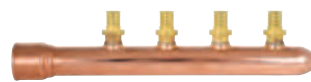
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F2080 Manifolds
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PowerPEX™
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POWER PEX™ ASTM F1807

RINGS

DIRECTIONALS

COUPLINGS

ADAPTERS/CONNECTORS

PLUGS

PREFORMED COPPER

VALVES

WATER HEATER CONNECTORS

KITS

MANIFOLDS

TOOLS



» OTHER PEX CRIMP

- F2434 Failsafe™
- F2159 AccuCrimp™
- Viega® PEX Press®

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 F1807 Fitting System

» Engineered to Maximize Quality and Economy

Quality

Proven Connection

Economical

Domestic

Complete

Premium Warranty

Sioux Chief's PowerPEX™ ASTM F1807 fitting system is designed for a quality installation, savings and speed and with a commitment to US manufacturing. The F1807 fitting system meets CSA B137.5, NSF and ASTM F877 systems Standards. The quality of the Sioux Chief F1807 fitting system improves your brand of rough plumbing.

Quality. Sioux Chief takes pride in the F1807 system, which is made from the highest-quality materials, in the highest-quality manufacturing facilities and to the tightest design specifications.

Proven Connection. The copper crimp ring or the F877 V-Sleeve™ secures with 360° of compression around all of the sealing barbs. These time-tested PEX solutions provide a secure, immediately testable and permanent connection.

Economical. F1807 "insert fittings" are often less expensive than alternate PEX system components.

Domestic. Fittings, rings and engineered components are domestically manufactured from domestic material.

Complete. F1807 fittings are available in multiple materials to suit any installation habit or water condition. The system encompasses many installation and removal tool configurations for ease of use and affordable tool requisition. Fittings are available from 3/8" - 2" for any plumbing or radiant heat application.

Premium Warranty. Sioux Chief's world-class, 25-year limited lifetime warranty is rare. Not only are all products in the F1807 fitting system covered, they are covered even when used in conjunction with other manufacturers' pipe or fittings. Visit siouxchief.com for more information.

Millions of Sioux Chief F1807 fittings and crimp rings are installed throughout North America annually.

Sioux Chief is proud to offer the PowerPEX F1807 fitting system. We believe in it, and so do thousands of plumbers. They have shown F1807 is a solid investment that returns profits. History has shown F1807 will do the same for you.



» OTHER PEX CRIMP

- F2434 Failsafe™
- F2159 AccuCrimp™
- Viega® PEX Press®

SUPPLY



649X2

PowerPEX™ PEX Crimp Ring

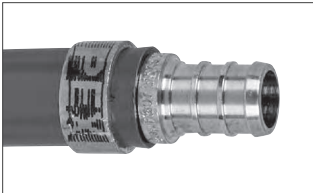
- Pure, annealed copper rings
- For use with PEX SDR9 piping only
- Do not use with PB pipe

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

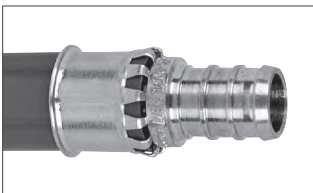
PowerPEX™ V-Sleeve™

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

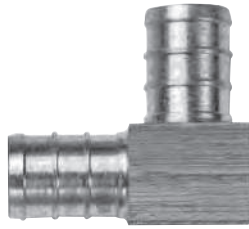
- One-piece no lead brass



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





642XB2

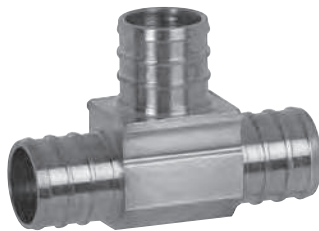
PowerPEX™

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

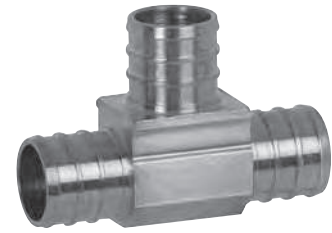


Item No	Description (Branch × Branch × Tee)	Pkg	Min Qty	Case Qty
641XG111	3/8" F1807 × 3/8" F1807 × 3/8" F1807	B	50	500
641XG111PK1	3/8" F1807 × 3/8" F1807 × 3/8" F1807, 1/bag	C*	25	25
641XG222	1/2" F1807 × 1/2" F1807 × 1/2" F1807	B	50	500
641XG222PK1	1/2" F1807 × 1/2" F1807 × 1/2" F1807, 1/bag	C*	25	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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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



NO LEAD

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



NO LEAD

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™

NEW 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

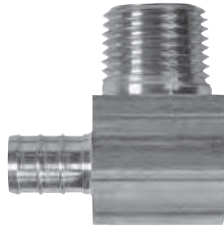
APPENDIX

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™

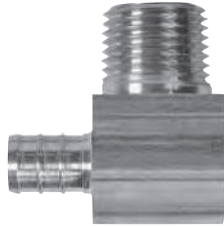
No Lead Brass Elbow Adapter

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



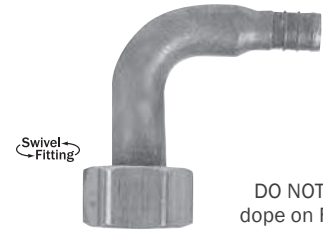
Item No	Description	Material	Pkg	Min Qty	Case Qty
632X121M	⅜" F1807 × ⅜" MIP	copper	B	50	50
632X221MPK2	½" F1807 × ⅜" MIP, 1/bag	copper	C*	10	10
632X221M	½" F1807 × ⅜" MIP	copper	B	50	50
632X222M	½" F1807 × ½" MIP	copper/brass	B	50	50
632X222MPK2	½" F1807 × ½" MIP, 1/bag	copper/brass	C*	10	10
632X332M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



DO NOT use pipe dope on FIP threads

637X235

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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



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



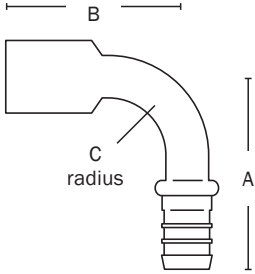
632X222

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

APPENDIX

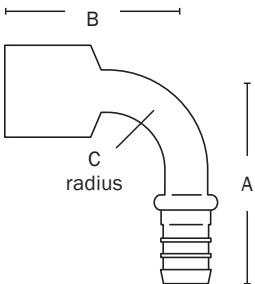


632X225

PowerPEX™ Elbow Adapter

Female Sweat × PEX

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



**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

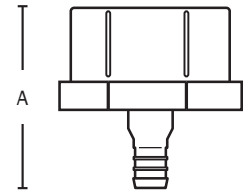
Straight

- 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



PowerPEX™

Copper Ballcock Adapter

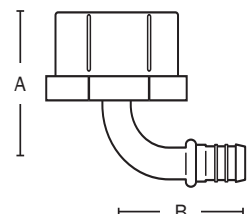
Elbow

- 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

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



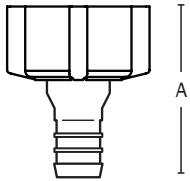
637X10

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



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



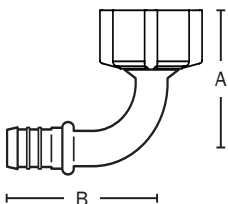
637X25

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™

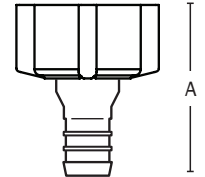
Brass Faucet Adapter

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

SUPPORT

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PowerPEX™

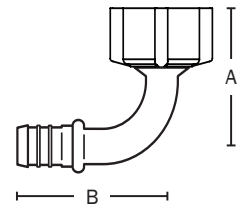
Brass Faucet Adapter

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



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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

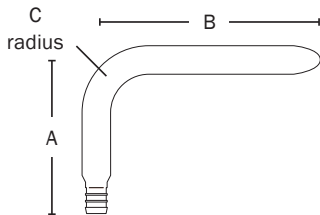
p 63

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.

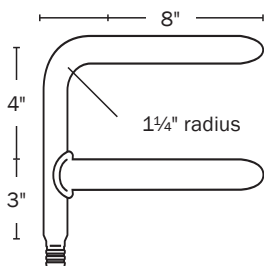


PowerPEX™ Double Stub Out Elbow

- 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

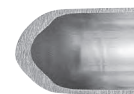


Stub out elbows combine elbow and cap in one quick and easy stub out fitting.



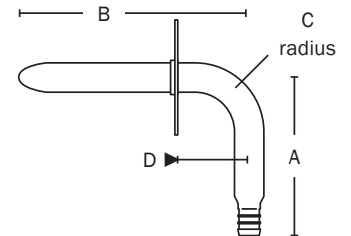
630X246E

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™

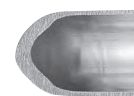
Stub Out Elbow

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

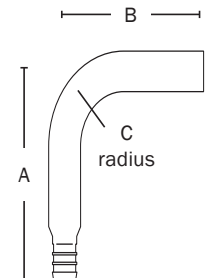
632X263Y

Related Products
ShowerUp™ Kits

p 62

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

NO LEAD Except 632X263X



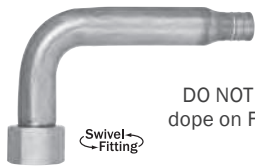
SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

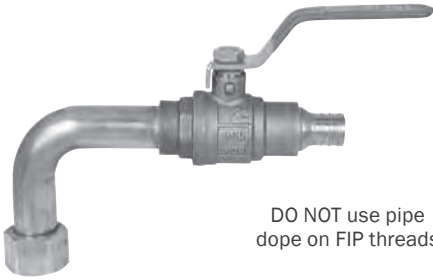


DO NOT use pipe dope on FIP threads

Swivel-Fitting

631X02

DRAINAGE

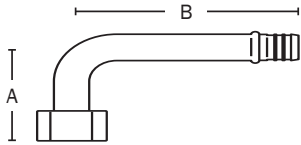


DO NOT use pipe dope on FIP threads

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

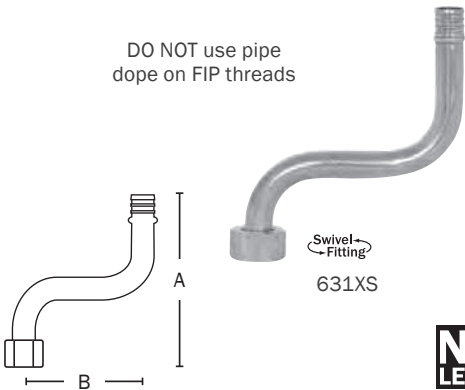
Related Products

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

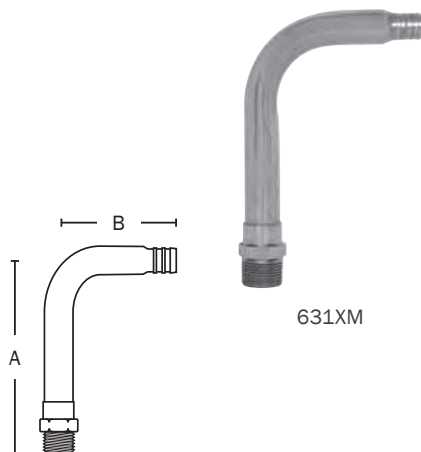
PowerPEX™ Water Heater Connector

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

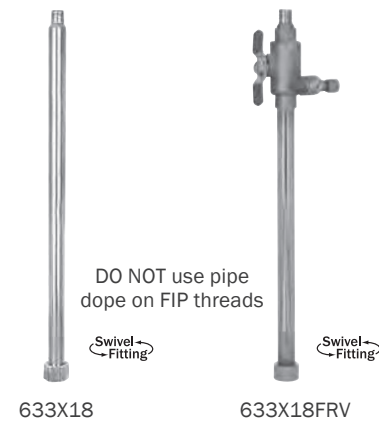
Item No	Connection	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
631XM	3/4" F1807 × 3/4" MIP	6"	4"	B	25	25

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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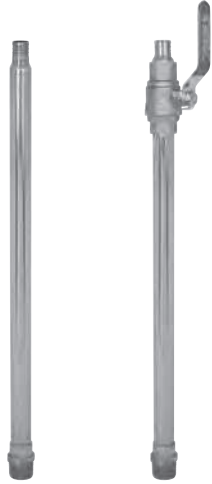
APPENDIX

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



646X318 646X318FP



646X306FP

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



DO NOT use pipe dope on FIP threads



634X418



DO NOT use pipe dope on FIP threads



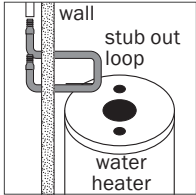
634X418FP

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

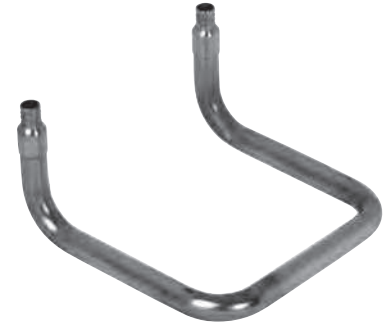
PowerPEX™

Water Heater Stub Out Loop

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

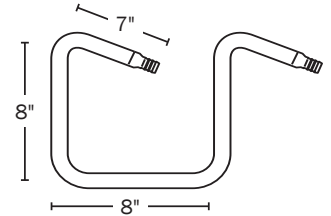


Easily hooks up to the water heater and 8" centers align perfectly with water heater connections.



636X38883

Item No	Connection	Pkg	Min Qty	Case Qty
636X38883	3/4" F1807	B	12	12
636X48884	1" F1807	B	12	12



SUPPLY

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PowerPEX™

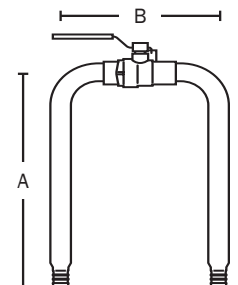
Valved Service Loop

- 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	3/4" F1807 × 3/4" F1807	15"	7"	✓	B	12	12





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

APPENDIX

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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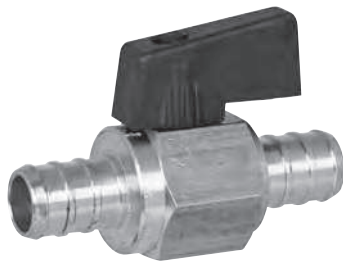
648X3

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

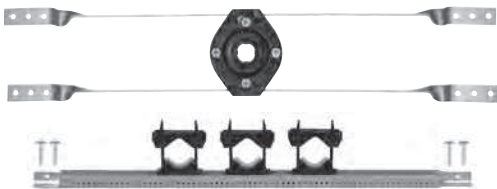
Item No	Connection	Pkg	Min Qty	Case Qty
STRAIGHT				
637X920	½" F1807 × ¼" O.D. compression	B	25	250
637X920PK2	½" F1807 × ¼" O.D. compression, 1/bag	C*	10	10
TEE				
637X9220	½" F1807 × ¼" O.D. compression	B	25	250
637X9220PK2	½" F1807 × ¼" O.D. compression, 1/bag	C*	10	10

SUPPLY

DRAINAGE

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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

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

DRAINAGE

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Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689X5103	Two 4½" × 8", ¾" F1807 PEX stub out elbows Strong Arm brackets with two ¾" Lock Blocks	630X348 525-1623	B*	12	12
FOR 24" STUD BAYS					
689X5113	3½" × 6", ½" F1807 PEX stub out elbow Strong Arm brackets with one, ½" Lock Block	630X348 525-2423	B*	12	12



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	3½" × 8", ½" F1807 PEX stub out elbow Strong Arm brackets with one ½" Shower WallNut Lock Block	630X248 525-16WLB	B*	12	12



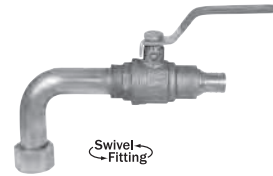
PowerPEX™

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

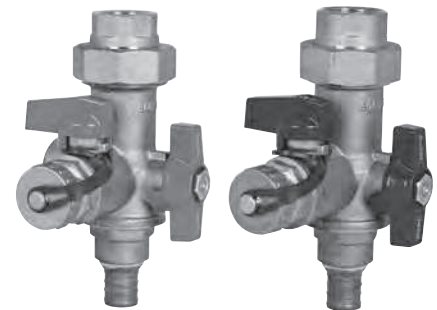
SUPPORT

APPENDIX

PowerPEX™

Tankless Water Heater Kits

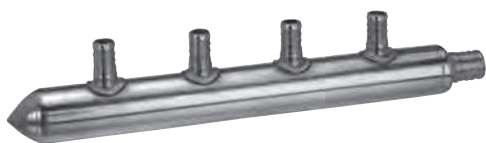
- Forged brass bodies
- 600 WOG full port valve
- Integral 1/4-turn drain valve with cap
- 3/4" hot connector has integral 3/4" FIP port for pressure relief valve
- 1" hot connector has integral 3/4" MIP port for pressure relief valve
- Fits most tankless water heaters
- Available with or without pressure-only 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

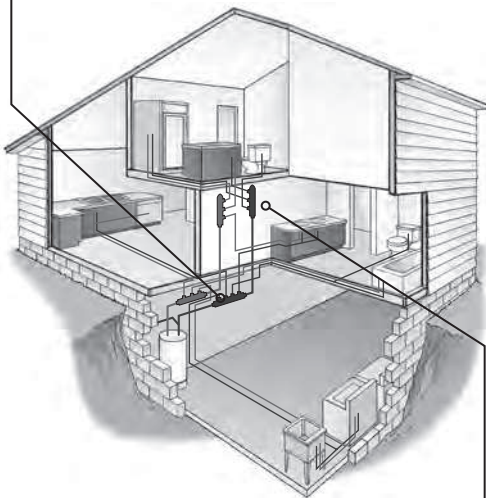


DRAINAGE



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.

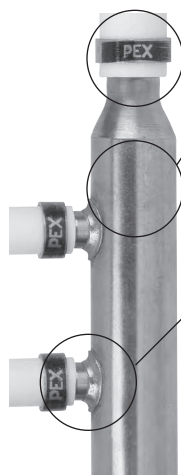


Important Notes About Sioux Chief Male Sweat Fitting

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

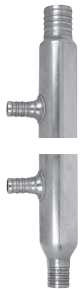
3/4" F1807 PEX × 3/4" F1807 PEX Trunk

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

DRAINAGE

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

SUPPORT



PowerPEX™

1/2" F1807 PEX Branches

3/4" F1807 PEX × 1" F1807 PEX Trunk

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

APPENDIX

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

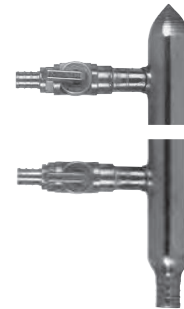


PowerPEX™

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

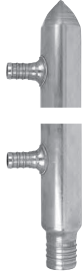
- 1" Type L copper trunk
- Branches are 2" on-center
- Extended ends can be easily converted to 1" male sweat by cutting off the reduction or spin closed end, leaving 5" from PEX branch



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

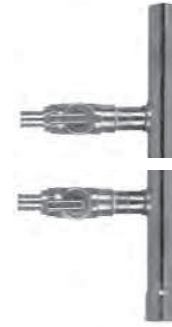
PowerPEX™

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

APPENDIX

SUPPLY

DRAINAGE



PowerPEX™

1/2" F1807 PEX Branches

1" Male Sweat × 1" Female Sweat Trunk

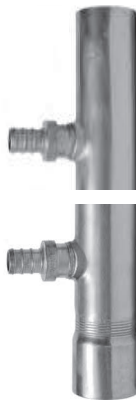
- 1" Type L copper trunk
- Branches are 2" on-center



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



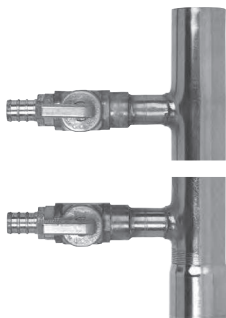
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0242	2	1/2" F1807	B	1	10
672X0342	3	1/2" F1807	B	1	10
672X0442	4	1/2" F1807	B	1	10
672X4L-1131B3	11	1/2" F1807, 3" O.C.	B	5	5

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)

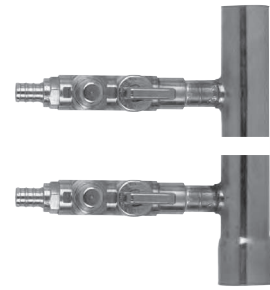


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XV0242	2	1/2" F1807 ball valve	B	1	10
672XV0342	3	1/2" F1807 ball valve	B	1	10
672XV0431PK	4	1/2" F1807 ball valve	C*	5	5
672XV0442	4	1/2" F1807 ball valve	B	1	10
672XV4L-11313	11	1/2" F1807 ball valve, 3" O.C.	B	1	5

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

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



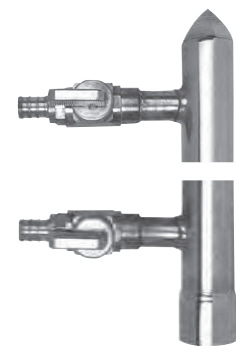
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672X0440	4	1/2" F1807	B	25	25
672X0640	6	1/2" F1807	B	25	25
672X0840	8	1/2" F1807	B	25	25
672X1240	12	1/2" F1807	B	25	25



PowerPEX™

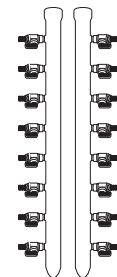
**1/2" F1807 PEX Ball Valve Branches
1" Female Sweat × Spin Closed Trunk**

- 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



PowerPEX™

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

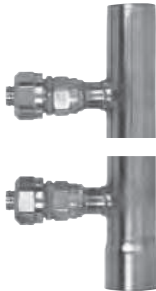
- 1" Type L copper trunk
- Branches are 2" on-center
- Perfect for hybrid potable water piping systems

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

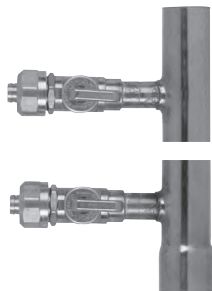


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672C0242	2	1/2" ComPEX	B	1	10
672C0342	3	1/2" ComPEX	B	1	10
672C0442	4	1/2" ComPEX	B	1	10

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

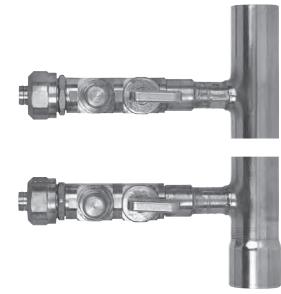


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672CV0242	2	1/2" ComPEX ball valve	B	1	10
672CV0342	3	1/2" ComPEX ball valve	B	1	10
672CV0442	4	1/2" ComPEX ball valve	B	1	10

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

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

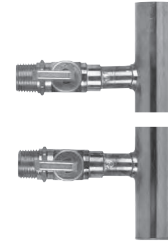


BranchMaster™

**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



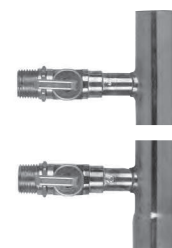
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-20242	2	1/2" MIP	B	10	10
675-20342	3	1/2" MIP	B	10	10
675-20442	4	1/2" MIP	B	10	10

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

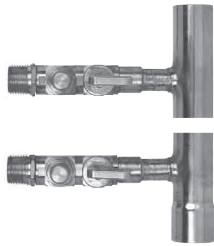
APPENDIX

SUPPLY

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SUPPORT

APPENDIX



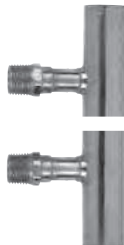
BranchMaster™

**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

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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 ¾" 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

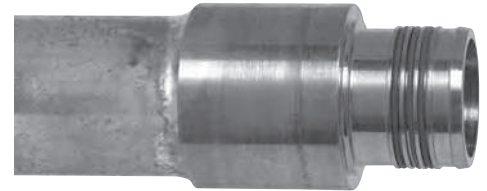


F2434 FAILSAFE™ FITTINGS

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

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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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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.

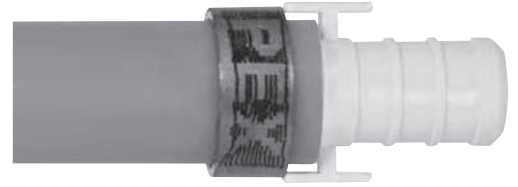
All Sioux Chief AccuCrimp Polymer PEX fittings are manufactured to the ASTM F2159 Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) tubing. AccuCrimp PEX fittings are interchangeable and compatible with all other fittings manufactured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

PowerPEX™ PEX Crimp Ring

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



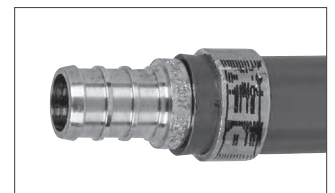
649X2



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



SUPPLY

DRAINAGE

SUPPORT

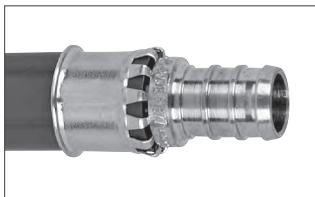
APPENDIX



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

Related Products

V-Sleeve PEX crimp tools

p 82



Item No	Description	Pkg	Min Qty	Case Qty
649TX2	½" stainless steel PEX sleeve	B	100	1000
649TX3	¾" stainless steel PEX sleeve	B	100	500
649TX4	1" stainless steel PEX sleeve	B	25	250



PowerPEX™ AccuCrimp™ Elbow

- Use elbows when a tight radius 90° turn is needed
- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



642XP2

Item No	Description	Pkg	Min Qty	Case Qty
642XP2	½" AccuCrimp × ½" AccuCrimp	B	25	250
642XP3	¾" AccuCrimp × ¾" AccuCrimp	B	25	250
642XP32	¾" AccuCrimp × ½" AccuCrimp	B	25	250
642XP4	1" AccuCrimp × 1" AccuCrimp	B	25	25



NEW

PowerPEX™ AccuCrimp™ Tee

- A wide selection of tee configurations
- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



641XP222

Item No	Description (Branch × Branch × Tee)	Pkg	Min Qty	Case Qty
641XP222	1/2" AccuCrimp × 1/2" AccuCrimp × 1/2" AccuCrimp	B	50	500
NEW 641XP223	1/2" AccuCrimp × 1/2" AccuCrimp × 3/4" AccuCrimp	B	20	200
641XP322	3/4" AccuCrimp × 1/2" AccuCrimp × 1/2" AccuCrimp	B	20	200
641XP323	3/4" AccuCrimp × 1/2" AccuCrimp × 3/4" AccuCrimp	B	20	200
641XP332	3/4" AccuCrimp × 3/4" AccuCrimp × 1/2" AccuCrimp	B	20	200
641XP333	3/4" AccuCrimp × 3/4" AccuCrimp × 3/4" AccuCrimp	B	20	200
NEW 641XP334	3/4" AccuCrimp × 3/4" AccuCrimp × 1" AccuCrimp	B	20	200
NEW 641XP433	1" AccuCrimp × 3/4" AccuCrimp × 3/4" AccuCrimp	B	20	200
NEW 641XP434	1" AccuCrimp × 3/4" AccuCrimp × 1" AccuCrimp	B	20	200
NEW 641XP442	1" AccuCrimp × 1" AccuCrimp × 1/2" AccuCrimp	B	20	200
NEW 641XP443	1" AccuCrimp × 1" AccuCrimp × 3/4" AccuCrimp	B	20	200
641XP444	1" AccuCrimp × 1" AccuCrimp × 1" AccuCrimp	B	20	200

**NO
LEAD**

PowerPEX™ AccuCrimp™ Coupling

- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



645XP2

Item No	Description	Pkg	Min Qty	Case Qty
645XP2	1/2" AccuCrimp × 1/2" AccuCrimp	B	100	1000
645XP3	3/4" AccuCrimp × 3/4" AccuCrimp	B	50	50
645XP32	3/4" AccuCrimp × 1/2" AccuCrimp	B	50	500
645XP4	1" AccuCrimp × 1" AccuCrimp	B	25	250
NEW 645XP42	1" AccuCrimp × 1/2" AccuCrimp	B	25	250
NEW 645XP43	1" AccuCrimp × 3/4" AccuCrimp	B	25	250

**NO
LEAD**

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



640XP12

PowerPEX™
AccuCrimp™ Plug

- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



Item No	Description	Pkg	Min Qty	Case Qty
640XP12	1/2" AccuCrimp	B	100	1000
640XP13	3/4" AccuCrimp	B	100	1000
640XP14	1" AccuCrimp	B	25	250



646XP2

PowerPEX™
AccuCrimp™ Straight Adapter

MIP × F2159 PEX

- Transition from thread fitting to PEX tubing
- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



Item No	Description	Pkg	Min Qty	Case Qty
646XP2	1/2" MIP × 1/2" AccuCrimp	B	100	100
646XP3	3/4" MIP × 3/4" AccuCrimp	B	25	250
646XP4	1" MIP × 1" AccuCrimp	B	25	250
NEW 646XP23	1/2" MIP × 3/4" AccuCrimp	B	50	50
NEW 646XP32	3/4" MIP × 1/2" AccuCrimp	B	50	50



632XP222M

PowerPEX™
NEW AccuCrimp™ Elbow Adapter

MIP × F2159 PEX

- Transition from thread fitting to PEX tubing
- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



Item No	Description	Pkg	Min Qty	Case Qty
632XP222M	1/2" MIP × 1/2" AccuCrimp	B	25	250
632XP232M	1/2" MIP × 3/4" AccuCrimp	B	25	250
632XP332M	3/4" MIP × 3/4" AccuCrimp	B	25	250

PowerPEX™

NEW AccuCrimp™ Straight Faucet Adapter

FIP × F2159 PEX



637XP20

NO LEAD

Item No	Description	Pkg	Min Qty	Case Qty
637XP20	1/2" FIP swivel × 1/2" AccuCrimp	B	50	500
NEW 637XP30	3/4" FIP swivel × 3/4" AccuCrimp	B	10	100

SUPPLY

DRAINAGE

SUPPORT

PowerPEX™

NEW AccuCrimp™ Elbow Faucet Adapter

FIP × F2159 PEX

- Tabs perfectly position crimp ring or sleeve over sealing barbs every time



637XP25

NO LEAD

Item No	Description	Pkg	Min Qty	Case Qty
637XP25	1/2" FIP swivel × 1/2" AccuCrimp	B	50	500
NEW 637XP30	3/4" FIP swivel × 3/4" AccuCrimp	B	10	100

PowerPEX™

AccuCrimp™

NEW 1/2" F2159 Branches
3/4" F2159 × 3/4" F2159 Trunk

- 1" Trunk
- Branches are 2" on-center
- Brackets and identification labels included
- cNSFus-PW listed and U.P. Code compliant



672XP0499

NO LEAD

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XP0499	4	1/2" AccuCrimp	B*	10	10
672XP0699	6	1/2" AccuCrimp	B*	10	10
672XP0899	8	1/2" AccuCrimp	B*	10	10

APPENDIX

PowerPEX™

AccuCrimp™

NEW 1/2" F2159 Branches
3/4" F2159 × Plugged Trunk

- 1" PPSU Trunk
- Branches are 2" on-center
- cNSFus-PW listed and U.P. Code compliant



672XP0490

NO LEAD

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XP0490	4	1/2" AccuCrimp	B*	10	10
672XP0690	6	1/2" AccuCrimp	B*	10	10
672XP0890	8	1/2" AccuCrimp	B*	10	10

SUPPLY

DRAINAGE



672XP0698



PowerPEX™

AccuCrimp™

NEW 1/2" F2159 Branches
3/4" F2159 × 1/2" F2159 Trunk

- 1" PPSU Trunk
- Branches are 2" on-center
- cNSFus-PW listed and U.P. Code compliant

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XP0698	6	1/2" AccuCrimp	B*	10	10

SUPPORT

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672XP0480



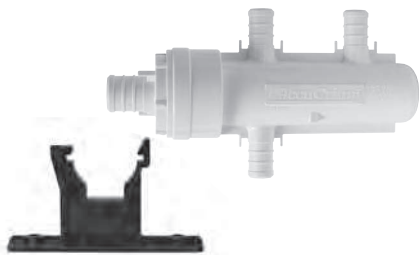
PowerPEX™

AccuCrimp™

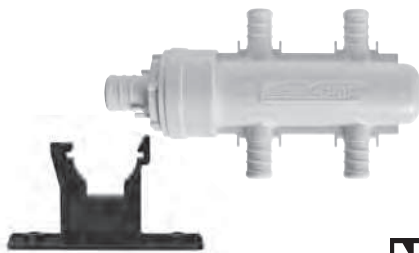
NEW 1/2" F2159 Branches
1/2" F2159 × Plugged Trunk

- 1" PPSU Trunk
- Branches are 2" on-center
- cNSFus-PW listed and U.P. Code compliant

Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672XP0480	4	1/2" AccuCrimp	B*	10	10



672PXT0390



672PXT0490



PowerPEX™

AccuCrimp™

NEW 1/2" F2159 Branches
3/4" F2159 × Closed Trunk

- Perfect as a secondary manifold for a bathroom group
- Great for looping PEX lines back under a slab
- cNSFus-PW listed and U.P. Code compliant

Related Products
Slab Manifold

p 76

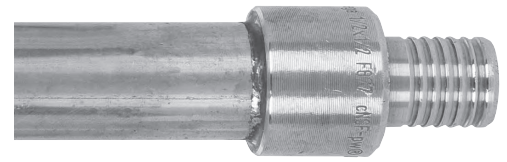


Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672PXT0390	3	1/2" AccuCrimp (2 x 1)	B*	10	10
672PXT0490	4	1/2" AccuCrimp (2 x 2)	B*	10	10

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

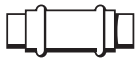
SUPPORT

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.

PRESS-FITTING



COMPATIBLE

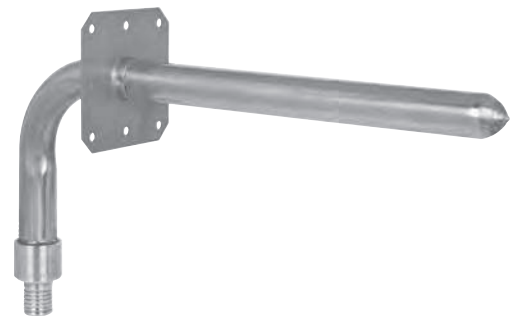
Important Notes About Sioux Chief Male Sweat Fitting

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.

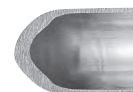
Viega® PEX Press® Stub Out Elbow

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

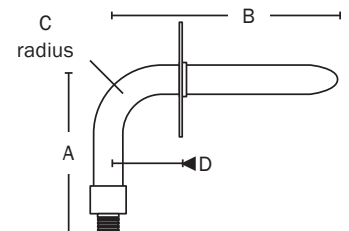


630V248E



Leakproof

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

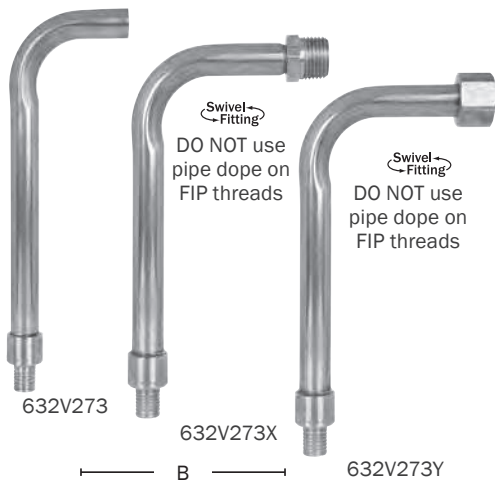


Item No	Connection	CTS	Dimensions				Pkg	Min Qty	Case Qty
			A	B	C	D			
630V248E	½" PEX Press	½"	4"	8"	1¼"	1¾"	B	25	25

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

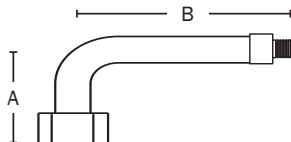
APPENDIX



Viega® PEX Press® NEW Water Heater Connector

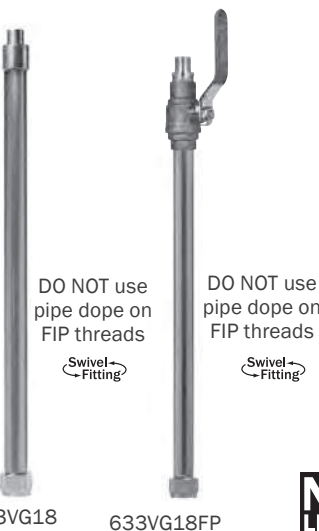
FIP Elbow

- 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



NO LEAD

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



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

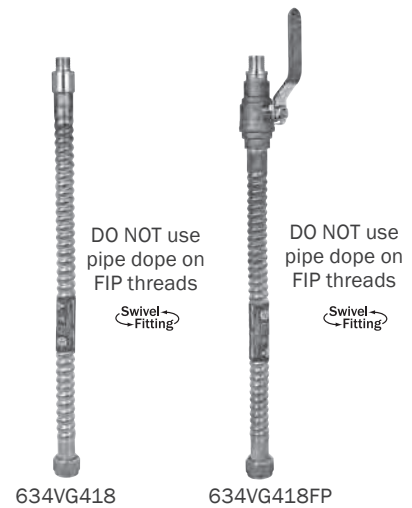
- Brass FIP swivel nut includes gasket
- Fitting with 600 WOG full port ball valve available
- Flexible dielectric fitting works well in tight spaces
- Lead-free solder joint

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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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, Power Bar w/4 screws, 2TD clamp, 4 screws	525-16WLB 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, Power Bar w/4 screws, 3TD clamp, 4 screws	525-16WLB 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, Power Bar w/4 screws, 3TD clamp, 4 screws	525-16WLB 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, Power Bar w/4 screws, 2TD clamp, 4 screws	525-16WLB 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

NO LEAD

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			

NO LEAD

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

SUPPORT

APPENDIX

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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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





641W222

PowerPEX™



Brass Tee

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

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



645WG3

PowerPEX™



No Lead Brass Coupling

- One-piece no lead brass

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



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



PowerPEX™

NEW No Lead Brass Straight Adapter

Male Sweat × PEX

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

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



643WG2

PowerPEX™

NEW Brass Straight Adapter

Male Sweat × PEX

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

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



643W2

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

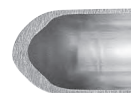
APPENDIX

Related Products

Stub Out Elbow Kits

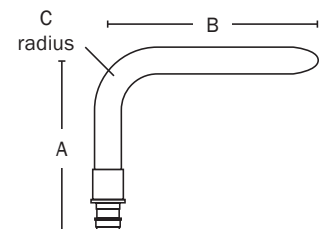
p 117

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
NEW 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.



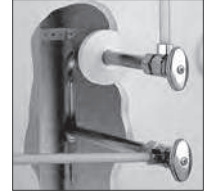


630WGD288E

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

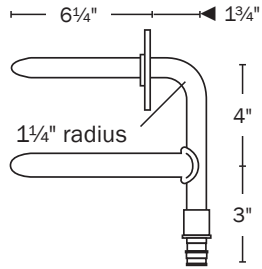
SUPPORT

APPENDIX

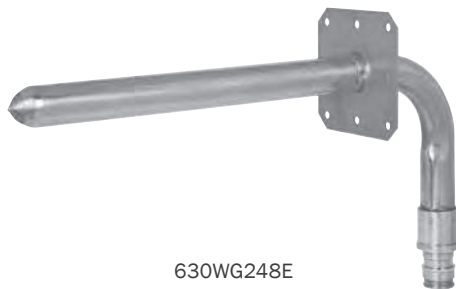


Leakproof

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

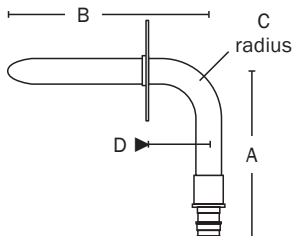
Square O Strap

- 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



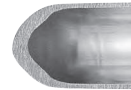
638WG215

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™

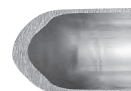
Bullet™

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.

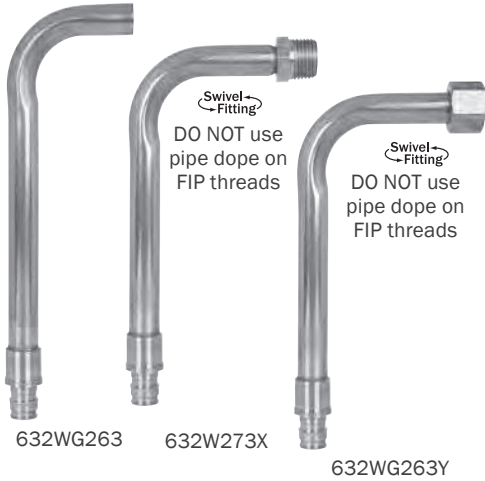


Item No	Connection	CTS	Length	Pkg	Min Qty	Case Qty
638WG212E	½" F1960	½"	12"	B	50	50

SUPPLY

DRAINAGE

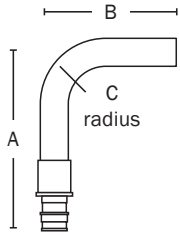
SUPPORT



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



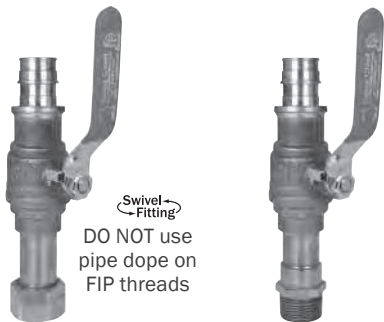
631W02

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

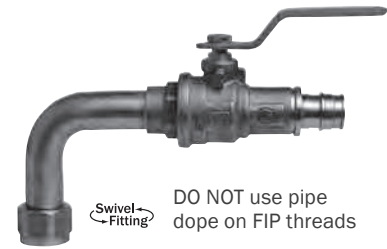
Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633W306FP	3/4" F1960 × 3/4" FIP swivel	6"	✓	B	10	10
646W306FP	3/4" F1960 × 3/4" MIP	6"	✓	B	10	10

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



Swivel Fitting
DO NOT use pipe dope on FIP threads

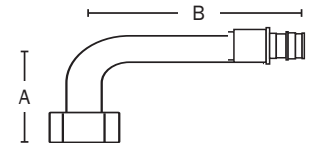
631WG02FP

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



Swivel Fitting
DO NOT use pipe dope on FIP threads

633WG18

Swivel Fitting
DO NOT use pipe dope on FIP threads

633W18FPT

Swivel Fitting
DO NOT use pipe dope on FIP threads

633WG18FP

Related Products

Water Heater Stub Out Kits *p 117*

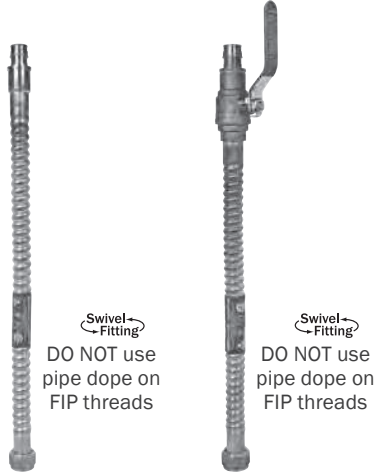
Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633WG18	3/4" F1960 x 3/4" FIP swivel	18"	✓		B	25	25
633WG18FP	3/4" F1960 x 3/4" FIP swivel	18"	✓	✓	B	10	10
NEW 633W18FP	3/4" F1960 x 3/4" FIP swivel	18"	✓		B	10	10
633W18FPT	3/4" F1960 x 3/4" FIP swivel	18"	✓		B	20	20

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

**NO
LEAD**

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

**NO
LEAD**

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

NO LEAD

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

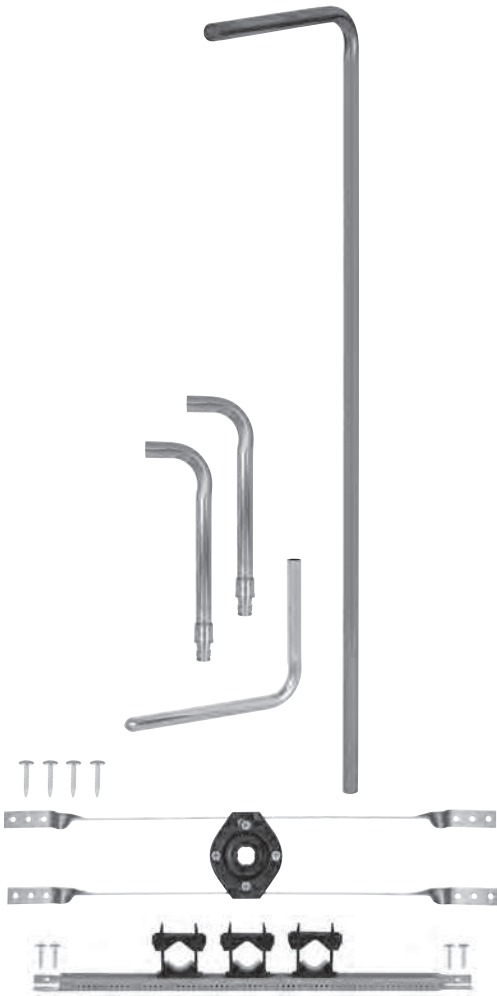
PowerPEX™



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



693-13755301

Related Products

Build your own kit

p 262

Item No	Components	Bulk Item No	NO LEAD	Pkg	Min Qty	Case Qty
693-13755301	8" x 7" MSWT tub spout elbow 6" x 2¼" MSWT x ½" PEX F1960 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 632WG263 608-L2508 525-16WLB 523-2434	✓	B*	12	12
693-03724203	6" x 7" MIP swivel tub spout elbow 7" x 3" MIP swivel x PEX F1960 pressure connectors ½" MIP swivel x 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" x 3" MIP swivel x PEX F1960 pressure connectors ½" MIP swivel x 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" x 2¼" MSWT x ½" PEX F1960 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	— 632WG263 608-L2308 525-16WLB 523-2424	✓	B*	12	12
693-16713203	10" x 7" MSWT tub spout elbow 6" x 2¼" MSWT x ½" PEX F1960 pressure connectors ½" MSWT x 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

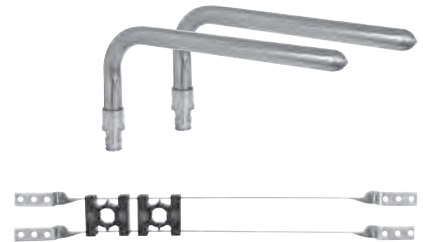


PowerPEX™

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

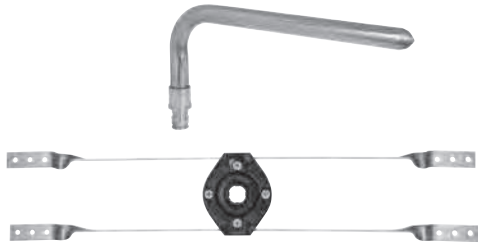
- Manage materials more easily
- Save labor costs
- Prevent leaks by using preformed copper
- All copper components are made from Type L copper tube



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





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" x 8", ½" F1960 stub out elbow Strong Arm brackets with one ½" Shower WallNut Lock Block	630WG248 525-16WLB	B*	12	12

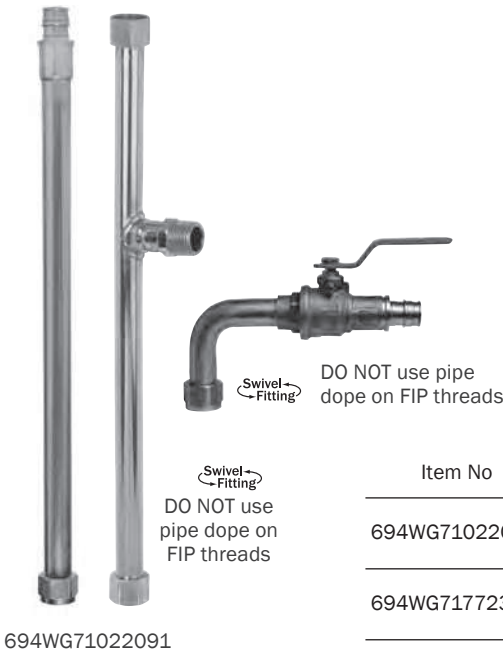
PowerPEX™



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 x ¾" FIP swivel	633WG18			
	¾" F1960 x ¾" FIP swivel elbow	631WG02FP	B*	10.	10
	¾" x ¾" FIP swivel with ¾" MIP branch	633-G3TM15			
694WG717723	¾" F1960 PEX x ¾" FIP swivel	633WG18			
	¾" F1960 x ¾" FIP swivel	633WG18FP	B*	10.	10
	Two ¾" MIP x ¾" MIP dielectric nipples	635-33			
694WG71022391	¾" F1960 PEX x ¾" FIP swivel	633WG18			
	¾" F1960 x ¾" FIP swivel elbow	631WG02FP	B*	10.	10
	Two ¾" MIP x ¾" MIP dielectric nipples	635-33			
	¾" x ¾" FIP swivel with ¾" MIP branch	633-G3TM15			
694WG717720	¾" F1960 PEX x ¾" FIP swivel	633WG18			
	¾" F1960 x ¾" FIP swivel	633WG18FP	B*	10.	10
694WG71022093	¾" F1960 PEX x ¾" FIP swivel	633WG18			
	¾" F1960 x ¾" FIP swivel elbow	631WG02FP	B*	10.	10
	¾" x ¾" FIP swivel with ¾" MIP branch	633-G3TM11			

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

SUPPLY

DRAINAGE

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

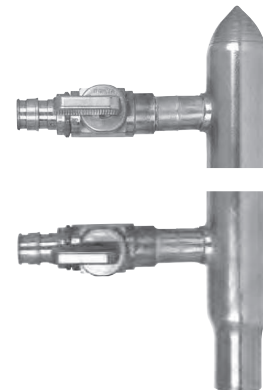
SUPPORT

APPENDIX

PowerPEX™

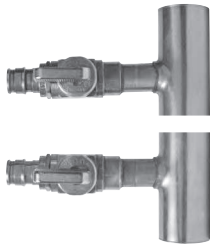
1/2" F1960 PEX Ball Valve Branches
3/4" Male Sweat × Spin Closed Trunks

- 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



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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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.

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 × 1/2" F2080 × 1/2" F2080	B	25	150
641AG223	1/2" F2080 × 1/2" F2080 × 3/4" F2080	B	20	120
641AG322	3/4" F2080 × 1/2" F2080 × 1/2" F2080	B	20	120
641AG323	3/4" F2080 × 1/2" F2080 × 3/4" F2080	B	15	90
641AG333	3/4" F2080 × 3/4" F2080 × 3/4" F2080	B	15	90
641AG332	3/4" F2080 × 3/4" F2080 × 1/2" F2080	B	20	120
641AG334	3/4" F2080 × 3/4" F2080 × 1" F2080	B	10	60
641AG433	1" F2080 × 3/4" F2080 × 3/4" F2080	B	10	60
641AG442	1" F2080 × 1" F2080 × 1/2" F2080	B	10	60
641AG443	1" F2080 × 1" F2080 × 3/4" F2080	B	10	60
641AG444	1" F2080 × 1" F2080 × 1" F2080	B	8	48
641AG544	1 1/4" F2080 × 1" F2080 × 1" F2080	B	5	30
641AG553	1 1/4" F2080 × 1 1/4" F2080 × 3/4" F2080	B	5	30
641AG554	1 1/4" F2080 × 1 1/4" F2080 × 1" F2080	B	5	30
641AG555	1 1/4" F2080 × 1 1/4" F2080 × 1 1/4" F2080	B	5	30
641AG664	1 1/2" F2080 × 1 1/2" F2080 × 1" F2080	B	2	12
641AG666	1 1/2" F2080 × 1 1/2" F2080 × 1 1/2" F2080	B	2	12
641AG774	2" F2080 × 2" F2080 × 1" F2080	B	1	6
641AG777	2" F2080 × 2" F2080 × 2" F2080	B	1	6



SUPPLY

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PowerPEX™



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

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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



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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



SUPPLY

DRAINAGE

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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

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

NSF

PowerPEX™

NEW No Lead Drop-Ear Elbow

MIP × PEX

- One-piece no lead brass



646AG2E

NSF

NO LEAD

Item No	Description	Pkg	Min Qty	Case Qty
646AG2E	½" MIP drop-ear × ½" 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

NSF

Item No	Description	Pkg	Min Qty	Case Qty
646A260737	½" MIP drop-ear × ½" F2080	B	25	150

PowerPEX™

NEW No Lead Drop-Ear Elbow

FIP × PEX

- One-piece no lead brass



647AG2E

NSF

NO LEAD

Item No	Description	Pkg	Min Qty	Case Qty
647AG2E	½" FIP drop-ear × ½" 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

NSF

Item No	Description	Pkg	Min Qty	Case Qty
647A260667	½" FIP drop-ear × ½" F2080	B	20	20
647A260777	¾" FIP drop-ear × ¾" F2080	B	15	90
647A260787	1" FIP drop-ear × 1" F2080	B	8	48



646A260747

PowerPEX™

NEW

Brass Elbow Adapter

MIP × PEX

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

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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

NSF

NO LEAD

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



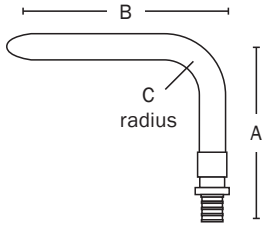
PowerPEX™
 Stub Out Elbow

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

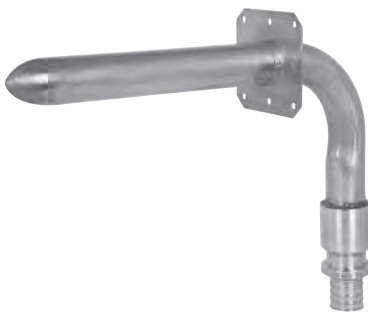
630A261186



APPENDIX



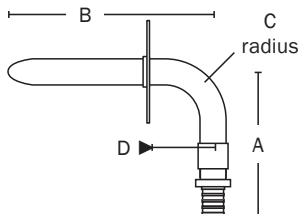
Item No	Connection	CTS	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
630A261186	1/2" F2080	1/2"	4"	8"	1 1/4"	B	25	25
630A266687	3/4" F2080	3/4"	6"	8"	1 3/4"	B	5	40



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

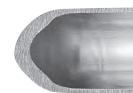


638A266577

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	1/2" F2080	1/2"	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

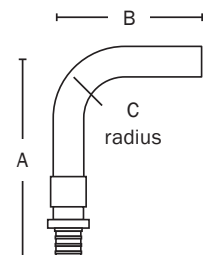
ShowerUp™ Kits

p 140

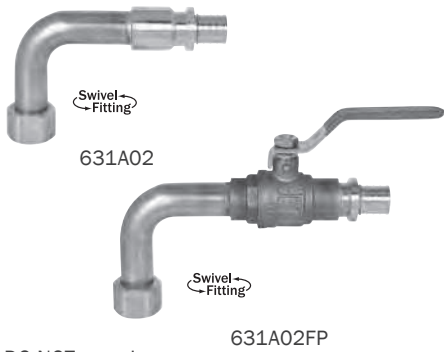
Item No	Connection	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
632A261196	1/2" F2080 × 1/2" MSWT	6"	2 3/4"	1 1/4"	B	50	50
632A263X	1/2" F2080 × 1/2" MIP swivel	6"	3"	1 1/4"	B	50	50
632A263Y	1/2" F2080 × 1/2" FIP swivel	6"	3"	1 1/4"	B	50	50



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
- ¾" Type L copper

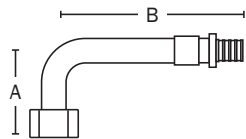
DRAINAGE

DO NOT use pipe dope on FIP threads

Related Products

Water Heater Stub Out Kits

p 141



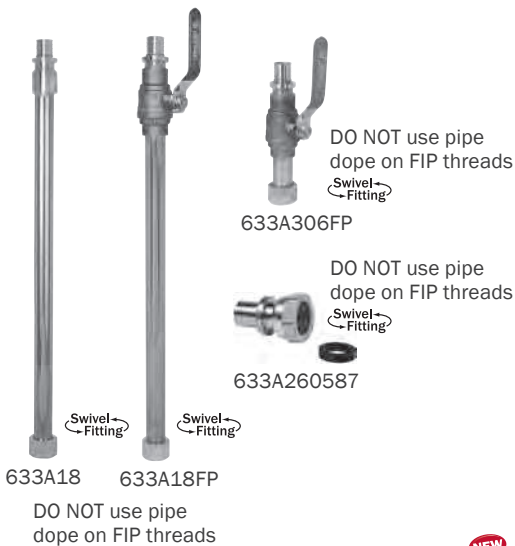
Item No	Connection	Dimensions		Ball Valve	Pkg	Min Qty	Case Qty
		A	B				
631A02FP	¾" F2080 × ¾" FIP swivel	3"	6½"	✓	B	25	25

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

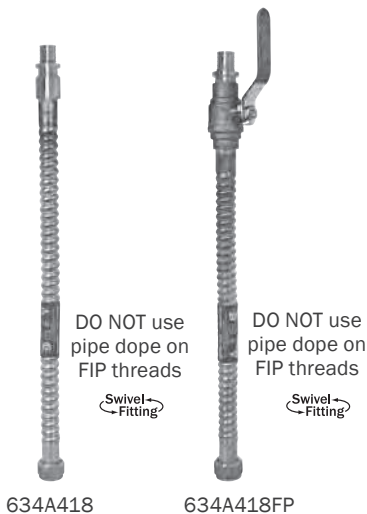
Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
633A18	¾" F2080 × ¾" FIP swivel	18"		B	25	25
633A18FP	¾" F2080 × ¾" FIP swivel	18"	✓	B	25	25
633A260587	¾" F2080 × ¾" FIP swivel	2½"		B	30	180

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	¾" F2080 × ¾" 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

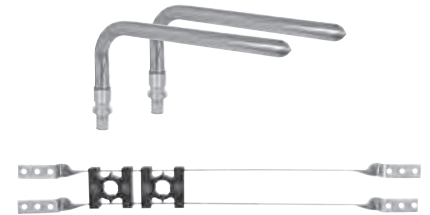


PowerPEX™

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

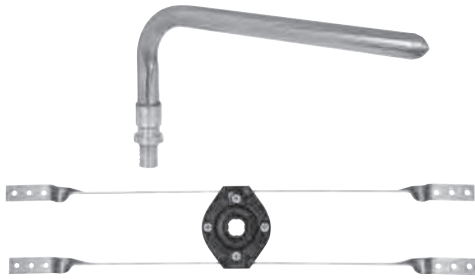


SUPPLY

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

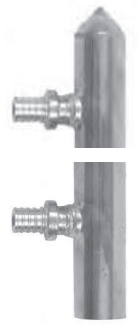
PowerPEX™

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

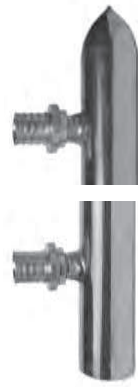
PowerPEX™

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

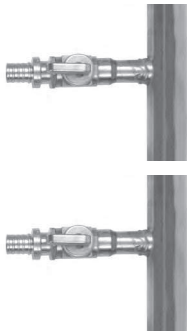
More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

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

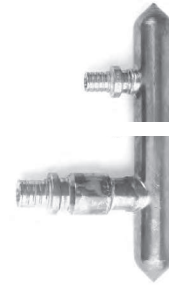
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
672A234107	12	1/2" F2080	B*	1	4

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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Short-N-Swivel™
FIP x CPVC Swivel Adapters
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CPVC Wal-Let™
Wall Termination Fitting
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CPVC
Stub Out Elbows
p 160



CPVC
Water Heater Connectors
p 161



CPVC
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PVC
Metal Head™ Adapters
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Sweat Wal-Let™
Wall Termination Fitting
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Sweat
Dishwasher Connector
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Sweat
Stub Out Elbows
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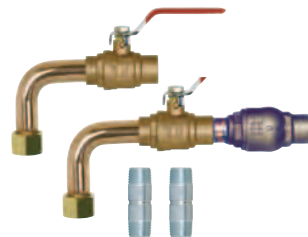
Sweat
Bullets™
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Replace-A-Valve™
Full-Port Ball Valve
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Add-A-Line™
Full-Slip Valve Tee
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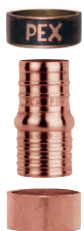
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Sweat
Manifolds
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Fit Quick™
Fittings
p 211



F1380 Polybutylene (PB)
Fittings
p 219



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

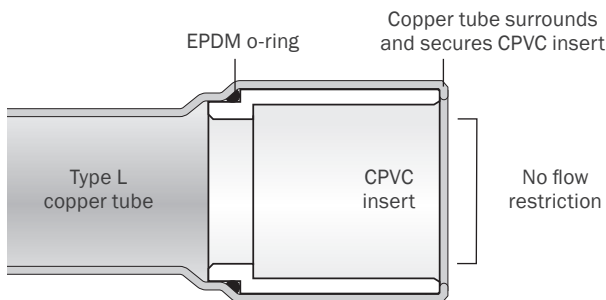
DRAINAGE

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 1/2"	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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

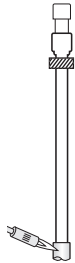
Whenever possible, solder with CPVC socket facing downward. If CPVC joint is above solder joint, plug temporarily with nipple and cap to prevent chimney effect.

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

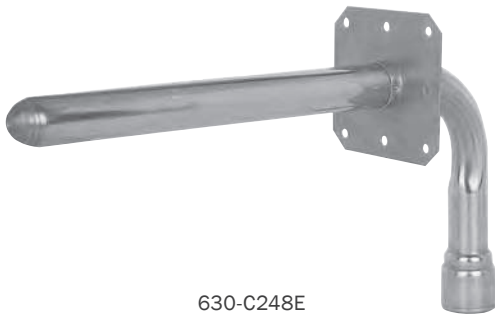


SUPPLY



630-C248

DRAINAGE



630-C248E

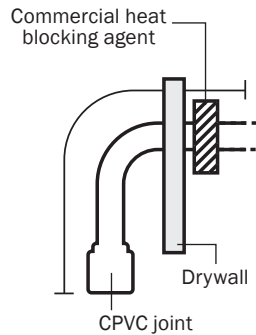
SUPPORT

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:

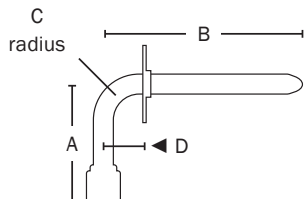
Tube Size	No Heat Blocker	With Heat Blocker
½" CTS	10"	6"
¾" CTS	10"	6"
1" CTS	18"	15"



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.



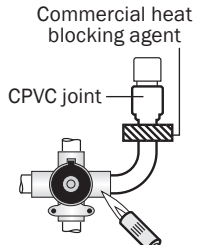
Item No	Connection	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
STANDARD								
630-C248	½" CPVC socket	3½"	8"	1¼"	—	B	50	50
630-C248PK	½" CPVC socket	3½"	8"	1¼"	—	C*	10	10
630-C2412	½" CPVC socket	3½"	12"	1¼"	—	B	50	50
630-C287	½" CPVC socket	8"	7"	1¼"	—	B	50	50
630-C348	¾" CPVC socket	6"	8"	1¾"	—	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

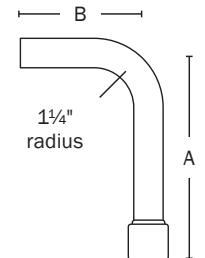
632-C263Y

632-C263

DO NOT use pipe dope on FIP threads

DO NOT use pipe dope on FIP threads

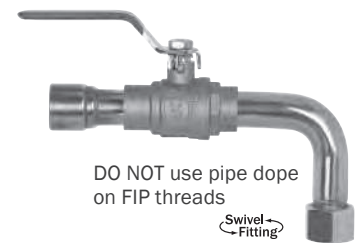
Item No	Connection	Dimensions		NO LEAD	Pkg	Min Qty	Case Qty
		A	B				
632-C263	½" CPVC socket × ½" male sweat elbow	6"	2¼"	✓	B	50	50
632-C263PK	½" CPVC socket × ½" male sweat elbow	6"	2¼"	✓	C*	10	10
632-C283	½" CPVC socket × ½" male sweat elbow	8"	2¼"	✓	B	50	50
632-C283PK	½" CPVC socket × ½" male sweat 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

DRAINAGE

SUPPORT

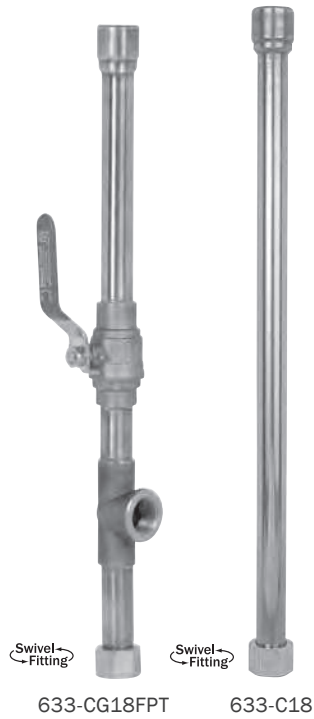
APPENDIX

SUPPLY

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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

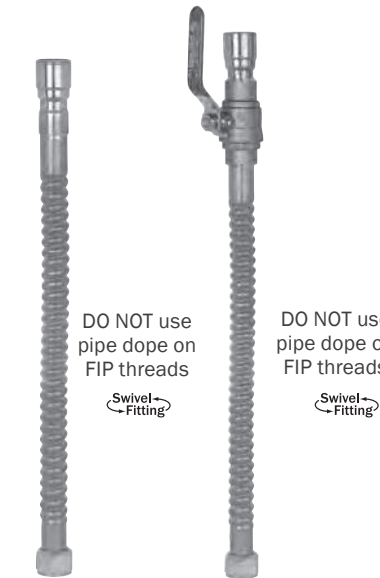
Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633-C02	3/4" FIP swivel × 3/4" CPVC socket	3"	✓	✓	B	50	50
633-C02PK	3/4" FIP swivel × 3/4" CPVC socket	3"	✓	✓	C*	10	10
633-C09	3/4" FIP swivel × 3/4" CPVC socket	9"	✓	✓	B	25	25
633-C18	3/4" FIP swivel × 3/4" CPVC socket	18"	✓	✓	B	25	25
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
- 3/4" 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	3/4" MIP x 3/4" CPVC socket	3 1/4"		C*	10	10
646-C309	3/4" MIP x 3/4" CPVC socket	9"		B	25	25
646-C318	3/4" MIP x 3/4" CPVC socket	18"		B	25	25
646-C318PK	3/4" MIP x 3/4" CPVC socket	18"		C*	10	10
646-C324	3/4" MIP x 3/4" CPVC socket	24"		B	25	25
646-C3418	1" MIP x 3/4" CPVC socket	18"		B	25	25
646-C3424	1" MIP x 3/4" CPVC socket	24"		B	25	25
646-C306FP	3/4" MIP x 3/4" CPVC socket	6"	✓	B	10	10
646-C309FP	3/4" MIP x 3/4" CPVC socket	9"	✓	B	25	25
646-C318FP	3/4" MIP x 3/4" CPVC socket	18"	✓	B	25	25
646-C318FPPK	3/4" MIP x 3/4" CPVC socket	18"	✓	C*	10	10
646-C324FP	3/4" MIP x 3/4" CPVC socket	24"	✓	B	25	25
646-C3418FP	1" MIP x 3/4" CPVC socket	18"	✓	B	25	25
646-C3424FP	1" MIP x 3/4" CPVC socket	24"	✓	B	25	25
646-C318FPT	3/4" MIP x 3/4" CPVC socket, with 3/4" FIP branch	18"	✓	B	20	20
646-C324FPT	3/4" MIP x 3/4" CPVC socket, with 3/4" FIP branch	24"	✓	B	20	20



SUPPLY

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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 x 3/4" MIP	8"	B	25	25



SUPPLY

DRAINAGE

SUPPORT

APPENDIX




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

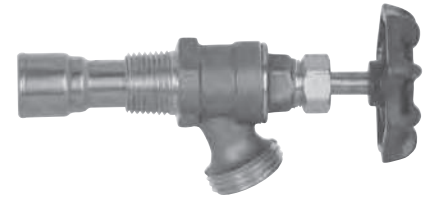


Fitting ends are 

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

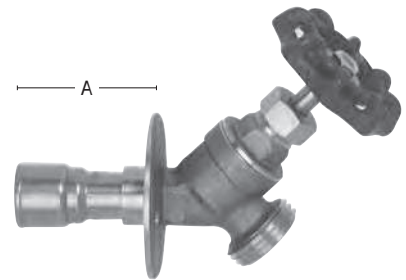
Item No	Connection	Pkg	Min Qty	Case Qty
113-C32	½" CPVC	B	25	25



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

DRAINAGE

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693-02016307

Related Products

Build your own kit

p 262

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

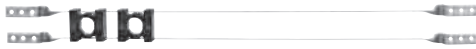
Water Heater Stub Out Kits

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™

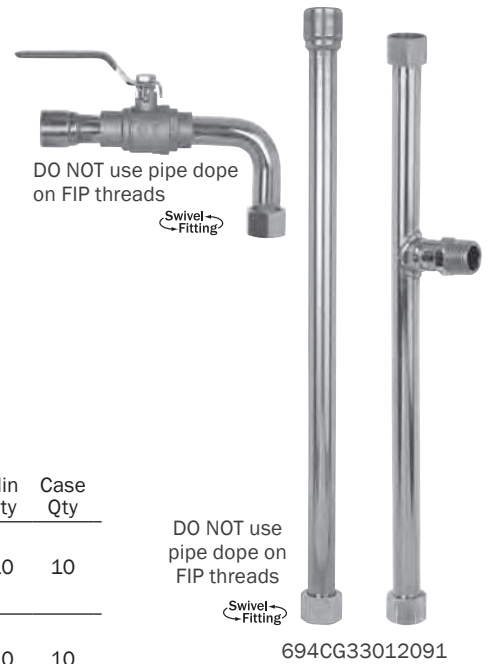


Item No	Description	Bulk Item No	Pkg	Min Qty	Case Qty
FOR 16" STUD BAYS					
689C0191	3 1/2" x 8", 1/2" CPVC stub out elbow Strong Arm brackets with one 1/2" Shower WallNut Lock Block	630-C248 525-16WLB	B*	12	12

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

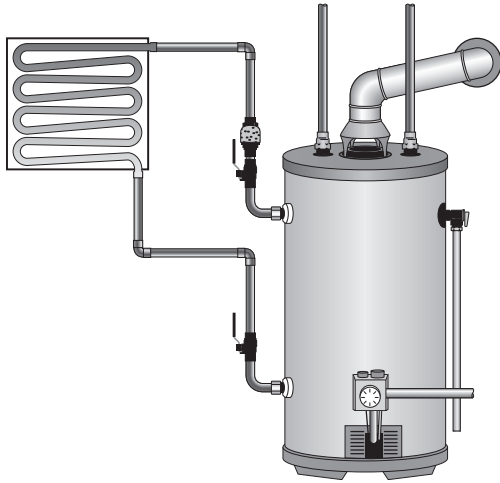
FBC
SYSTEM COMPATIBLE

SUPPLY

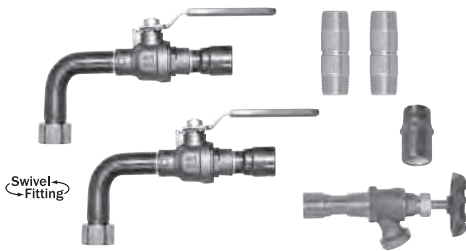
DRAINAGE

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DO NOT use pipe dope on FIP threads



636-C1307F2

Heating Coil Loop Kit

CPVC Supply and Return Loop Connectors

- For use with high recovery hydronic systems
- Preformed supply and return loop connectors provide easy installation

Component	Supply Loop Elbow	Return Loop Elbow	Dielectric Connector	Boiler Drain	MIP Adapter
Standard Kit	3/4" FIP swivel x 3/4" CPVC, full port ball valve	3/4" FIP swivel x 3/4" CPVC, full port ball valve	Two 3/4" MIP x 3/4" MIP, 3" long	1/2" CPVC boiler drain	1/2" CPVC x 1/2" MIP adapter
Check Valve Kit	3/4" FIP swivel x 3/4" CPVC, full port ball valve, with spring-loaded check valve	3/4" FIP swivel x 3/4" CPVC, full port ball valve	Two 3/4" MIP x 3/4" MIP, 3" long	1/2" CPVC boiler drain	1/2" CPVC x 1/2" MIP adapter

Item No	Description	Pkg	Min Qty	Case Qty
636-C1307F2	Standard heating coil loop kit	B*	10	10
636-C1310FK2	Check valve heating coil loop kit	B*	10	10

Ox Box™

» See page 242

- ABS boxes mount securely to stud or over studs
- Allows for straight and secure supply stops recessed into the wall
- Debris covers included to protect boxes from drywall mud and paint



CONSIDER SIOUX CHIEF AS YOUR

ROUGH PLUMBING ARMORY

TOGETHER, WE WILL TAKE THE FIELD.

» SUPPLY > ACCESS > Ox Box



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.

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.

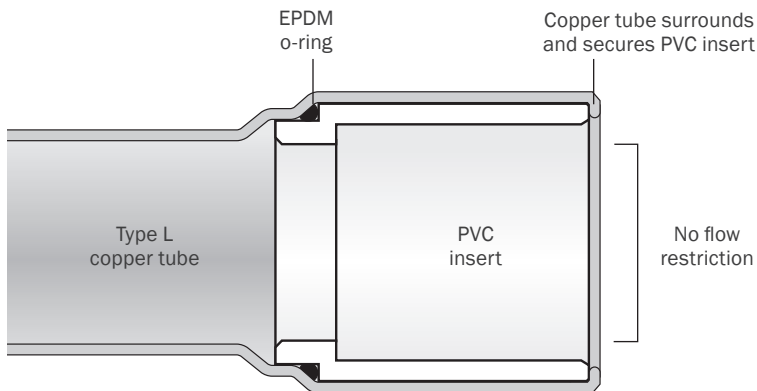
Sioux Chief has made the investment in no lead brass inventory for the majority of our current products. This inventory is currently available in various alloys including no lead compliant and dezincification resistant C69300 material.

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.

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

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

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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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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.

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

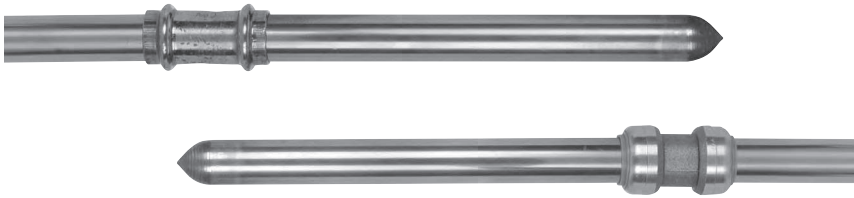


All Sioux Chief male sweat fittings are compatible with press-fitting systems and all push-fitting systems. Push-fitting systems are not compatible with nickel-plated stub outs and stub out elbows.

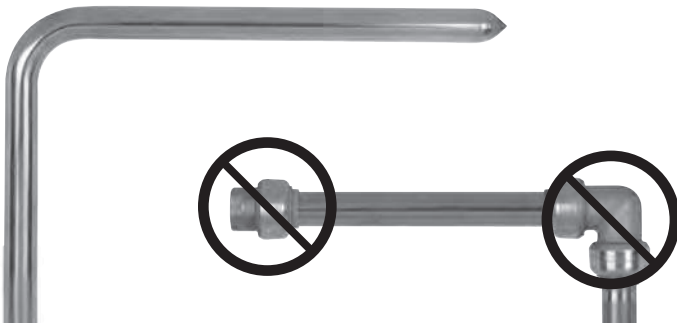
Rough-in Ready™

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



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



615-214



615-213

Wal-Let™

Wall Termination Fitting

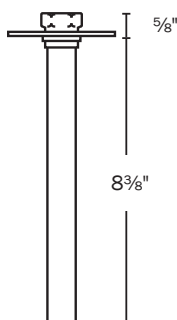
- Available in both 1/2" and 3/4" connections
- One-piece, forged brass fitting with rigid mounting plate
- Secure loose or fragile wall penetrations and reduce the risk of leaks
- Ideal for back mounted faucets, sillcocks, threaded stops, shower rain heads, body spray systems and pot fillers

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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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

SUPPORT

APPENDIX



614-2

Full-Slip Male Adapter

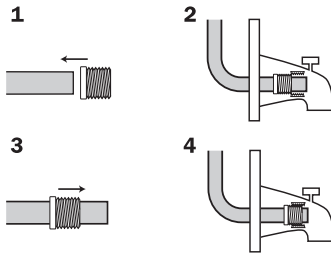
Brass Female Sweat × MIP Thread

- 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

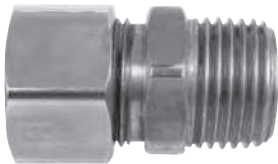


Item No	Connection	Pkg	Min Qty	Case Qty
614-2	1/2" female sweat × 1/2" MIP thread	B	50	500
614-3	3/4" female sweat × 3/4" MIP thread	B	50	500
614-4	1" female sweat × 1" MIP thread	B	25	250

Full-Slip Male Adapter

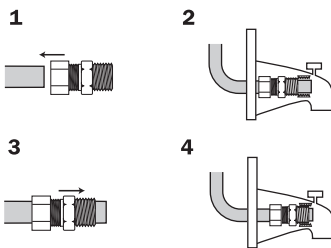
Brass Compression × MIP Thread

- 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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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

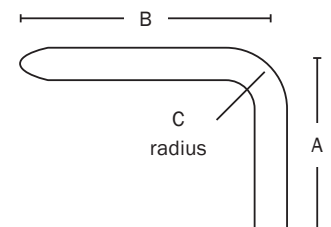
Male Sweat

- 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



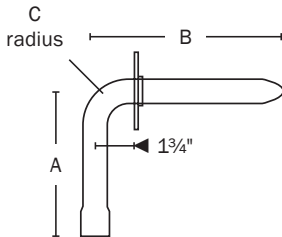
SUPPORT

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

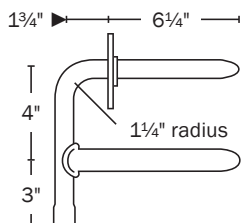
NEW

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



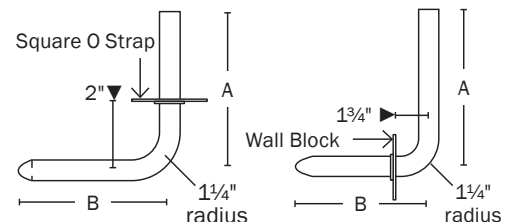
612-57

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

SUPPORT

APPENDIX

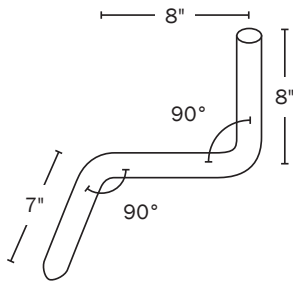
Offset Tub Spout Elbow

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



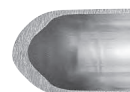
622-L24E



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

SUPPORT

APPENDIX

SUPPLY

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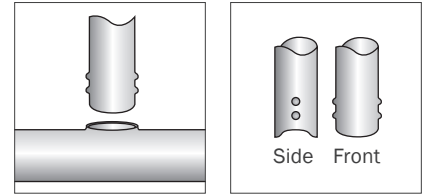


Bullet™

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.

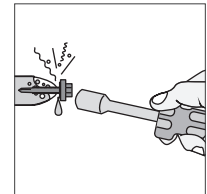


Bullet™

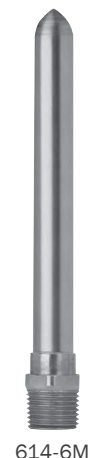
Wet Test Stub Out

- 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

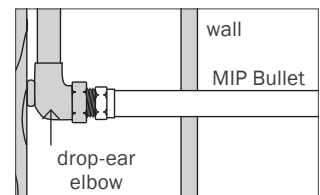


Bullet™

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

Bullet™

Reducing Air Chamber

- Extra-large volume air chamber is spin reduced for 1/2" male sweat connection

Item No	Copper Type	CTS	Length	Pkg	Min Qty	Case Qty
STANDARD						
629-M	M	3/4"	13 1/2"	B	50	50
629-06	M	1"	6"	B	100	100
629-12	M	1"	12"	B	50	50
629-L15	L	3/4"	15"	B	50	50
OLD WISCONSIN CODE PATTERN						
629-WCL	L	1"	14"	B	50	50
629-WCMPK	M	1"	14"	C*	50	50



629-12



SUPPLY

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SUPPORT

Stub Air™

Air Chamber Tee Fitting

- Turns variable job-to-job costs like measuring, cutting, cleaning, fluxing and soldering of up to four joints into fixed costs
- Sturdy, fracture-resistant brazed saddle joint will not be damaged during field soldering
- Optional branch length, branch end and trunk size for many different job site applications
- Guaranteed leakproof spin closures and brazed joints



Test-ready stub outs and air chambers, with only ONE solder joint needed.



Models with open branches work great for tub valve connections.



682-M5113



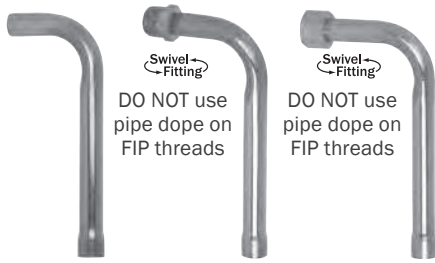
682-M5140

Item No	Copper Type	Branch		Air Chamber		Pkg	Min Qty	Case Qty
		CTS	Length	CTS	Length			
OPEN BRANCH								
682-L5113	L	1/2"	1 1/2"	1/2"	12"	B	25	25
682-M5113	M	1/2"	1 1/2"	1/2"	12"	B	25	25
SPIN CLOSED								
682-L5140	L	1/2"	8"	1/2"	12"	B	25	25
682-M5140	M	1/2"	8"	1/2"	12"	B	25	25



APPENDIX

SUPPLY

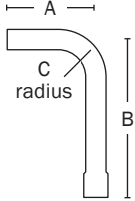


609-L263A 609-L263X 609-L263Y

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

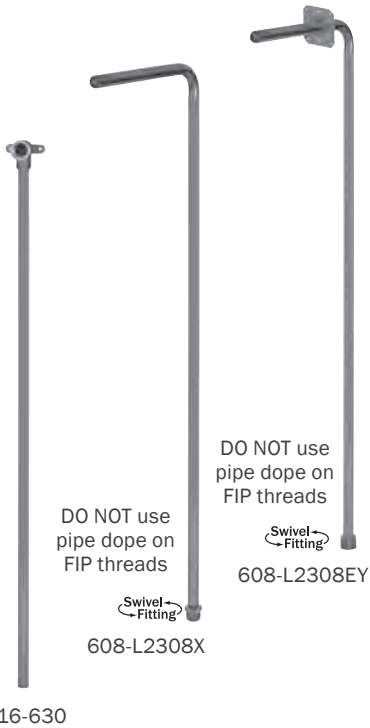
DRAINAGE



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

APPENDIX



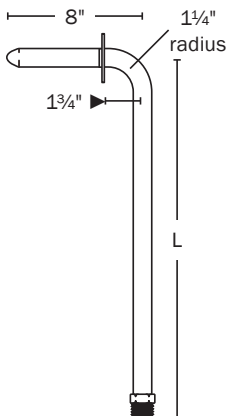
Shower Riser Fitting

- 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

Related Products

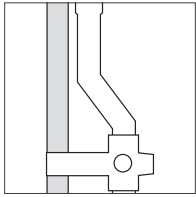
Strong Arm with Shower WallNut™ Lock Block p 453
ShowerUp™ Kits p 202



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

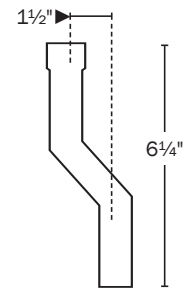
- Saves three solder joints
- Made from Type L copper tube



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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

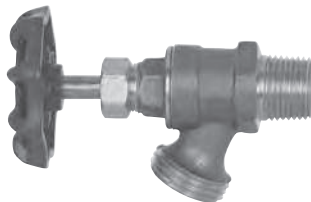
- Brass valve body with stuffing box, neoprene seals
- ANSI/NSF 61

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

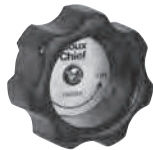
DRAINAGE

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

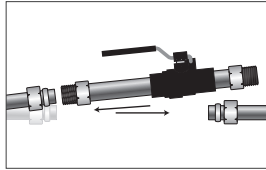


Item No	Connection	Pkg	Min Qty	Case Qty
117-03	¾" female hose thread × ¾" male hose thread	B	20	240

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



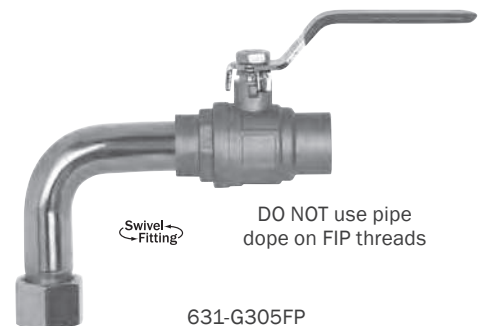
600-204CV

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

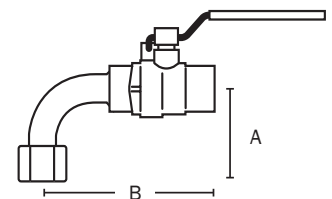
FIP x Female Sweat Elbow

- 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	3/4" FIP swivel × 3/4" FSWT	5"	✓	B	10	10

SUPPORT

APPENDIX



646-306FP

Water Heater Connector

MIP × Female Sweat Straight Fitting

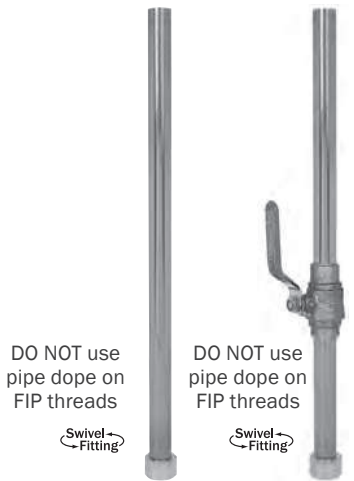
- Brass full-port ball valve

Item No	Connection	Length	Ball Valve	Pkg	Min Qty	Case Qty
646-306FP	3/4" MIP × 3/4" FSWT	5"	✓	B	10	10

Water Heater Connector

FIP × 3/4" Male Sweat Straight Fitting

- 3/4" 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

DO NOT use pipe dope on FIP threads

DO NOT use pipe dope on FIP threads

Related Products
Fit Quick coupling

p 212



Item No	Connection	Length	Ball Valve	NO LEAD	Pkg	Min Qty	Case Qty
633-318	3/4" FIP swivel × 3/4" MSWT	18"	✓		B	10	10
633-318FP	3/4" FIP swivel × 3/4" 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

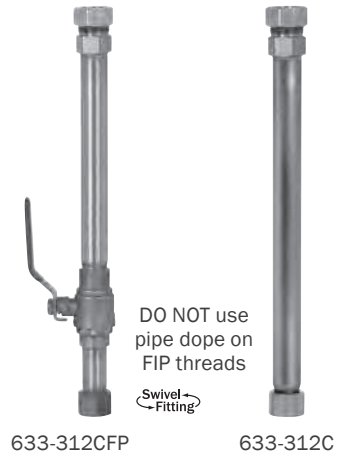
DRAINAGE

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

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



DO NOT use pipe dope on FIP threads

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

NO LEAD

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

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

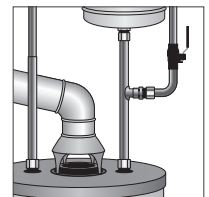
DO NOT use pipe dope on FIP threads



633-G3TM15

NO LEAD

Soldered 3/4" MIP saddle branch connects to any FIP fitting.



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

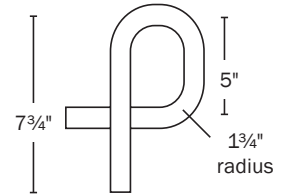
Heat Trap Loop

- Retains heat in the water heater to save energy
- Preformed loops save installation time
- Made from Type L copper tube



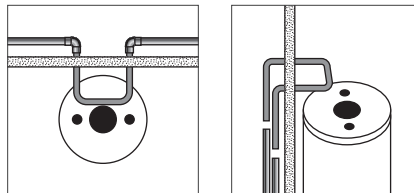
636-3TR

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.

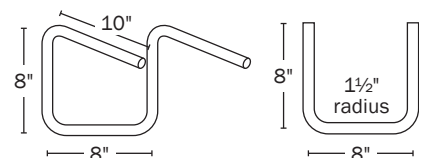


636-3L10888



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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



601-20CV



601-22CVM



601-22VX



601-22



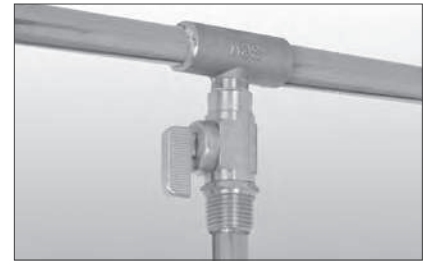
Add-A-Line™

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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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

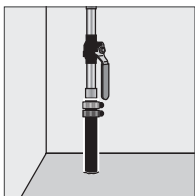


601-30CVPK

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



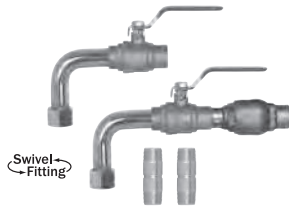
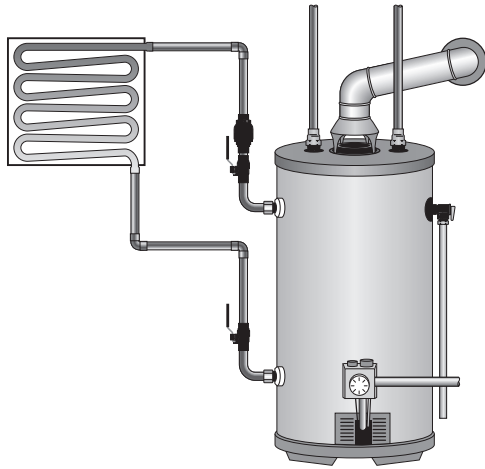
690-2045

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



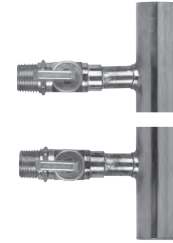
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
678-20242	2	1/2" male sweat	B	10	10
678-20342	3	1/2" male sweat	B	10	10
678-20442	4	1/2" male sweat	B	10	10
6784L-11313	11	1/2" male sweat, 3" O.C.	B	5	5

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

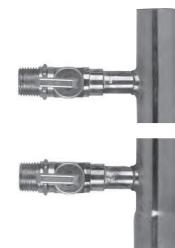
Item No	Branch Qty	Branches	Pkg	Min Qty	Case Qty
675-20242	2	1/2" MIP	B	10	10
675-20342	3	1/2" MIP	B	10	10
675-20442	4	1/2" MIP	B	10	10

BranchMaster™

1/2" MIP/Female Sweat Ball Valve Branches

1" Male Sweat × 1" Female Sweat Trunk

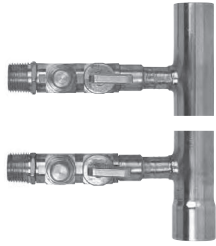
- 1" Type L copper trunk
- Branches are 2" on-center
- Brazed branches
- Perfect for hydronic applications



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



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

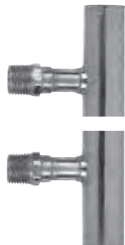
More Radiant Heat Manifolds are within F1807 PEX
See BranchMaster™ Manifold information p 66

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 × 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 ×
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



FIT QUICK™ PUSH FITTINGS

DIRECTIONALS

COUPLINGS

ADAPTERS/CONNECTORS

PLUGS

VALVES

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.

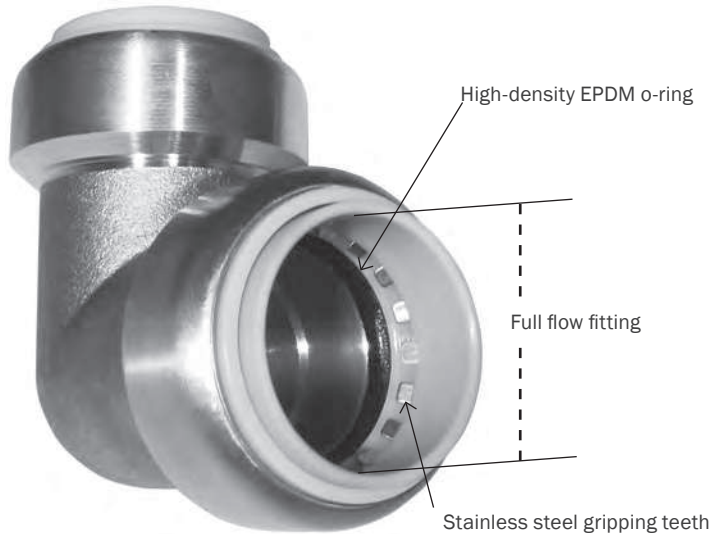
Fit Quick™

Push Fitting System

Fit Quick™ fittings are made to the ASSE 1061 Standard for Removable and Non-Removable Push-Fit Fittings. All Fit Quick fittings are tested to ASSE 1061/NSF 61 standards and are cUPC listed.

Fit Quick fittings:

- PPSU tube stiffeners are included with individually bagged ½" – 1" Fit Quick fittings
- SS tube stiffeners are sold separately for 1¼" – 2" Fit Quick couplings
- Connect to copper, CPVC and SDR9 PEX tubing
- Removable, and can be rotated after installation
- Approved for underground and sealed wall applications
- Applications include potable water and hydronic heating applications
- When installing with PEX tube, a tube stiffener must be inserted into PEX tubing end prior to installation of the Fit Quick fitting or valve
- 25-year warranty
- Fit Quick™ fittings are not compatible with chrome or nickel-plated stub outs and stub out elbows



Fit Quick specifications and brochures complete with installation instructions can be downloaded from the Sioux Chief website at www.siouxchief.com



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



642QB4

Fit Quick™ Elbow

SUPPLY

DRAINAGE



Individually bagged with tube stiffeners



Item No	Description	Pkg	Min Qty	Case Qty
642QB2	1/2" push-fit × 1/2" push-fit	C*	12	12
642QB3	3/4" push-fit × 3/4" push-fit	C*	12	12
642QB32	3/4" push-fit × 1/2" push-fit	C*	6	6
642QB4	1" push-fit × 1" push-fit	C*	6	6

SUPPORT



641QB333

Fit Quick™ Tee

- Quickly add a branch or line to existing plumbing

APPENDIX



Individually bagged with tube stiffeners



NEW

NEW

Item No	Description	Pkg	Min Qty	Case Qty
641QB222	1/2" push-fit × 1/2" push-fit × 1/2" push-fit	C*	12	12
641QB322	3/4" push-fit × 1/2" push-fit × 1/2" push-fit	C*	12	12
641QB323	3/4" push-fit × 1/2" push-fit × 3/4" push-fit	C*	6	6
641QB332	3/4" push-fit × 3/4" push-fit × 1/2" push-fit	C*	6	6
641QB333	3/4" push-fit × 3/4" push-fit × 3/4" push-fit	C*	6	6
641QB334	3/4" push-fit × 3/4" push-fit × 1" push-fit	C*	6	6
641QB424	1" push-fit × 1/2" push-fit × 1" push-fit	C*	6	6
641QB443	1" push-fit × 1" push-fit × 3/4" push-fit	C*	6	6
641QB444	1" push-fit × 1" push-fit × 1" push-fit	C*	6	6



645QB2

Fit Quick™ Coupling

- Make speedy and permanent repairs in plumbing lines with ease
- Stainless steel tube stiffeners available separately for 1 1/4" – 2" Fit Quick™ coupling



Individually bagged with tube stiffeners except 1 1/4", 1 1/2" and 2" models



Item No	Description	Pkg	Min Qty	Case Qty
645QB2	1/2" push-fit × 1/2" push-fit	C*	12	12
645QB3	3/4" push-fit × 3/4" push-fit	C*	12	12
645QB32	3/4" push-fit × 1/2" push-fit	C*	6	6
645QB4	1" push-fit × 1" push-fit	C*	6	6
645QB43	1" push-fit × 3/4" push-fit	C*	6	6
645QB5	1 1/4" push-fit × 1 1/4" push-fit	C*	3	3
645QB6	1 1/2" push-fit × 1 1/2" push-fit	C*	3	3
645QB7	2" push-fit × 2" push-fit	C*	3	3

Fit Quick™ Slip Coupling

- Make speedy and permanent repairs in plumbing lines with ease
- Stainless steel tube stiffeners available separately for 1¼" - 2" Fit Quick™ coupling



600QB306

Item No	Description	Pkg	Min Qty	Case Qty
600QB206	½" full-slip push-fit × ½" push-fit	C*	6	6
600QB306	¾" full-slip push-fit × ¾" push-fit	C*	6	6
600QB406	1" full-slip push-fit × 1" push-fit	C*	6	6



Individually bagged with tube stiffeners except 1¼", 1½" and 2" models



SUPPLY

DRAINAGE

Fit Quick™ Test Cap

Item No	Description	Pkg	Min Qty	Case Qty
605QB2	½" push-fit test cap	C*	12	12
605QB3	¾" push-fit test cap	C*	6	6
605QB4	1" push-fit test cap	C*	6	6



605QB3



Individually bagged with tube stiffeners



SUPPORT

APPENDIX

Fit Quick™ Straight Adapter

Push-Fit × MIP

Item No	Description	Pkg	Min Qty	Case Qty
646QB2	½" push-fit × ½" MIP	C*	12	12
646QB3	¾" push-fit × ¾" MIP	C*	12	12
646QB32	½" push-fit × ¾" MIP	C*	6	6
646QB4	1" push-fit × 1" MIP	C*	6	6



646QB3



Fit Quick Straight Adapter

Push-Fit × FIP

Item No	Description	Pkg	Min Qty	Case Qty
647QB2	½" push-fit × ½" FIP	C*	12	12
647QB3	¾" push-fit × ¾" FIP	C*	6	6
647QB32	½" push-fit × ¾" FIP	C*	6	6
647QB34	1" push-fit × ¾" FIP	C*	6	6
647QB4	1" push-fit × 1" FIP	C*	6	6
647QB43	¾" push-fit × 1" FIP	C*	1	6



647QB2



NEW



647QB2E

Fit Quick™ Drop-Ear Elbow

- For use on shower risers and tub spouts, non-pressure fitting applications

SUPPLY

DRAINAGE

SUPPORT

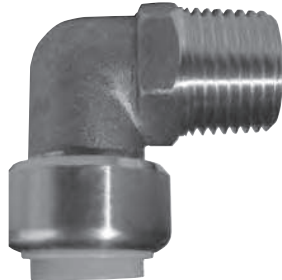
APPENDIX



Individually bagged with tube stiffeners



Item No	Connection	Pkg	Min Qty	Case Qty
647QB2E	½" push-fit × ½" FIP	C*	6	6



632QB222M

Fit Quick™ Elbow Adapter

Push-Fit™ × MIP



Individually bagged with tube stiffeners



NEW

Item No	Description	Pkg	Min Qty	Case Qty
632QB222M	½" push-fit × ½" MIP	C*	6	6
632QB444M	1" push-fit × 1" MIP	C*	6	6



632QB222F

Fit Quick™ Elbow Adapter

Push-Fit™ × FIP



Individually bagged with tube stiffeners



Item No	Description	Pkg	Min Qty	Case Qty
632QB222F	½" push-fit × ½" FIP	C*	6	6

Fit Quick™ Full-Port Ball Valve

- Full-port ¼-turn ball valve
- Valves tested to 200 PSI at 200°F

Item No	Connection	Pkg	Min Qty	Case Qty
648QB2	½" push-fit	C*	12	12
648QB3	¾" push-fit	C*	12	12
648QB4	1" push-fit	C*	6	6



648QB3

Individually bagged with tube stiffeners



Fit Quick™ Quarter-Turn Stop Valve

- Chrome-plated
- Valves tested to 200 PSI at 200°F
- ¼-turn ball valve operation

Item No	Description	Pkg	Min Qty	Case Qty
648QB220A	½" push-fit × ⅜" O.D. angle stop	C*	12	12
648QB220S	½" push-fit × ⅜" O.D. straight stop	C*	12	12
648QBD220A	½" push-fit × ⅜" O.D. dual angle stop	C*	12	12



648QB220A



648QB220S



648QBD220A

Individually bagged with tube stiffeners



Instantaneous Water Heater Connector Kits

- Forged brass bodies
- 600 WOG full-port valve
- Integral ¼-turn drain valve with cap
- ¾" hot connector has integral ¾" FIP port for pressure relief valve
- 1" hot connector has integral ¾" 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



690-3045

Item No	Description	Pkg	Min Qty	Case Qty
690-3045	¾" hot and cold connectors	B*	1	1
690-3075	1" hot and cold connectors with pressure valve	B*	1	1

SUPPLY

DRAINAGE

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APPENDIX



603Q4

603Q3

603Q2

Tube Stiffener

For PEX Installations

- When installing PEX tube, a tube stiffener must be inserted into PEX tubing end prior to installation of the Fit Quick™ fitting or valve

Item No	Description	Pkg	Min Qty	Case Qty
603Q2	1/2" PPSU tube stiffener, 6/bag	B	1	15
603Q3	3/4" PPSU tube stiffener, 6/bag	B	1	15
603Q4	1" PPSU tube stiffener, 6/bag	B	1	15
603Q5	1 1/4" SS tube stiffener	B	1	20
603Q6	1 1/2" SS tube stiffener	B	1	20
603Q7	2" SS tube stiffener	B	1	20



305Q4

Fit Quick™ Disconnect Tool

- Quickly and easily disconnects push fittings
- 1 1/4" - 2" disconnect tools are unique to their sizes and come with special instructions on use

Item No	Description	Pkg	Min Qty	Case Qty
305Q2	1/2" disconnect tool	C*	1	24
305Q3	3/4" disconnect tool	C*	1	24
305Q4	1" disconnect tool	C*	1	12
305Q5	1 1/4" disconnect tool	B	1	1
305Q6	1 1/2" disconnect tool	B	1	10
305Q7	2" disconnect tool	B	1	1

2-Hole Tube Strap

» See page 433

- Galvanized straps comply with MSS SP58 Type 26



CONSIDER SIOUX CHIEF AS YOUR

**ROUGH
PLUMBING
ARMORY**

TOGETHER, WE WILL TAKE THE FIELD.

» SUPPORT > SUPPLY HANGERS > 2-Hole Tube Strap



F1380 POLYBUTYLENE

RINGS

DIRECTIONALS

COUPLINGS

ADAPTERS/CONNECTORS

Federal No Lead Compliance

» Reducing Lead in Drinking Water

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Important Notes About Sioux Chief Male Sweat Fitting



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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

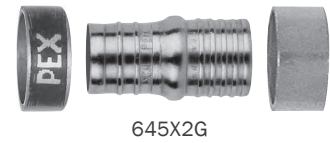
SUPPORT

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



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



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
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Mini-Rester™ PEX Tee
Residential Water Hammer Arrester
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Hydra-Rester™
Commercial Water Hammer Arrester
p 229



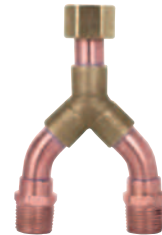
Mega-Rester™
Industrial Water Hammer Arrester
p 231



Vacu-Rester™
Vacuum Breaker Arrester
p 233



Prime Perfect™
Trap Primer Valve
p 234



Splitters
Wye Splitter
p 235



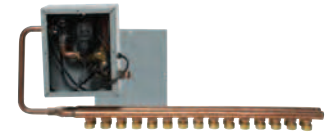
Splitters
Distributor
p 235



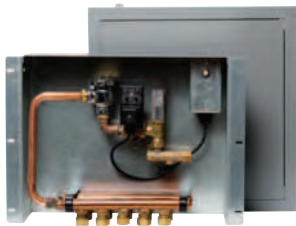
Trap Primer Adapter
Sch. 40 Hub with 1/2" FIP Port
p 236



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

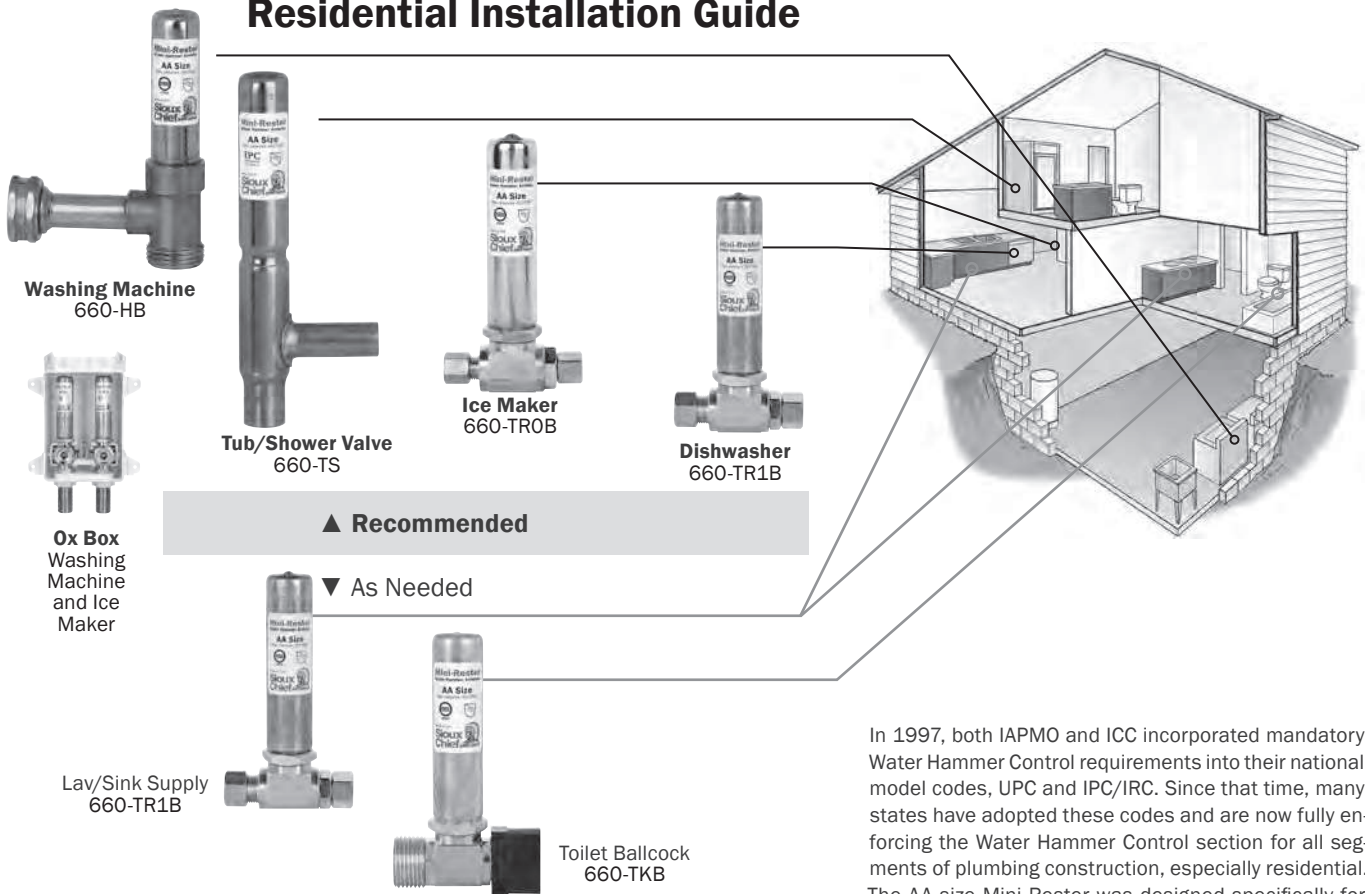
Mini-Rester™

Residential Water Hammer Arrester

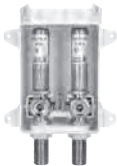
- All Mini-Resters™ are approved for sealed wall installations with no access panel required
- Certified by ASSE as AA size to the ANSI/ASSE 1010-2004 Standard †
- May be installed at any angle



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

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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 3/4" 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



660-V82B



660-V2B



660-X2B



660-VPX2B



660-WG2B

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



Male sweat models only



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

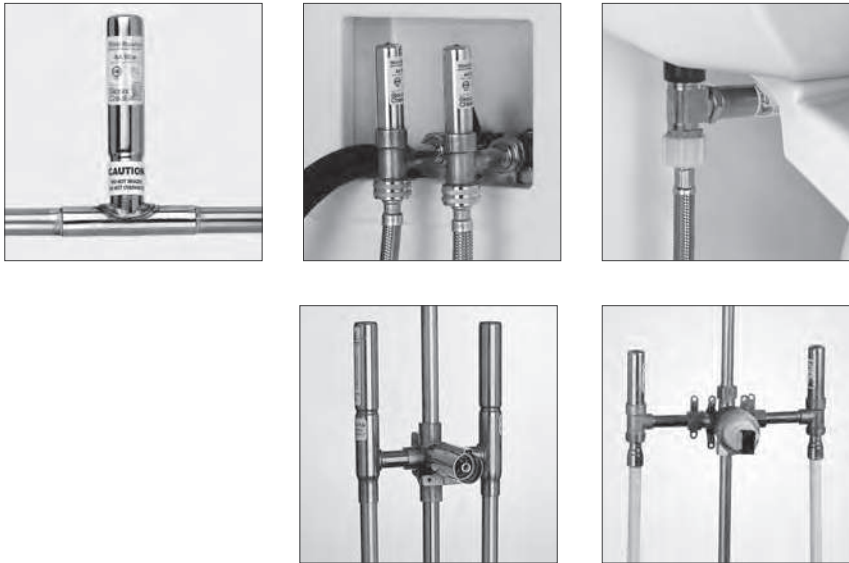
Mini-Rester™

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



660-T22

660-HB

660-TKB



660-TS

660-TS8



660-TS88

660-TSX



660-TSX88



660-TSX7

660-TSV7

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 x 3/4" male hose thread tee		B	25	25
660-H	—	3/4" female swivel hose thread x 3/4" male hose thread tee, clamshell		C*	6	6
660-TKB	—	Female swivel ballcock nut x male ballcock thread tee		B	25	25
660-TK	—	Female swivel ballcock nut x male ballcock thread tee, clamshell		C*	6	6
TUB/SHOWER VALVE						
660-TS	—	1/2" male sweat open end branch x 1/2" female sweat tee	✓	B	25	25
660-TS8	—	1/2" x 8" stub out x 1/2" female sweat tee	✓	B	25	25
660-TS88	—	1/2" x 8" double stub out x 1/2" female sweat tee	✓	B	25	25
660-TSX	63	1/2" male sweat x 1/2" PEX F1807 crimp tee	✓	B	25	25
660-TSX88	—	1/2" x 8" double stub out x 1/2" F1807 PEX tee	✓	B	25	25
660-TSX7	64	1/2" FIP swivel x 1/2" F1807 PEX tee	✓	B	25	25
660-TSV7	—	1/2" FIP swivel x 1/2" CPVC tee		B	25	25

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY



DRAINAGE



SUPPORT



APPENDIX

Mini-Rester™

Residential Water Hammer Arrester PEX Tee

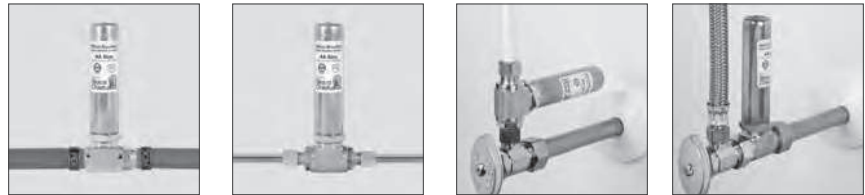
- Great for in-line PEX installation for quick closing faucets
- ASTM F1807 PEX Tee †
- ASTM F1960 PEX Tee †
- ASTM F2080 PEX Tee †

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



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. × 1/4" O.D. female comp.		B	25	25
660-TRO	1/4" O.D. comp. × 1/4" O.D. female comp., clamshell		C*	1	6
660-TR1B	3/8" O.D. comp. × 3/8" O.D. female comp.		B	25	25
660-TR1	3/8" O.D. comp. × 3/8" O.D. female comp., clamshell		C*	6	6
660-GTR1B	3/8" O.D. comp. × 3/8" O.D. female comp. no lead	✓	B	25	25
660-GTR1	3/8" O.D. comp. × 3/8" O.D. female comp. no lead, clamshell	✓	C*	6	6
660-TRB	5/8" O.D. comp. × 5/8" O.D. female comp.		B	25	25
660-TR	5/8" O.D. comp. × 5/8" O.D. female comp., clamshell		C*	6	6
660-GTRB	5/8" O.D. comp × 5/8" O.D. female comp. no lead	✓	B	25	25
660-GTR	5/8" O.D. comp. × 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

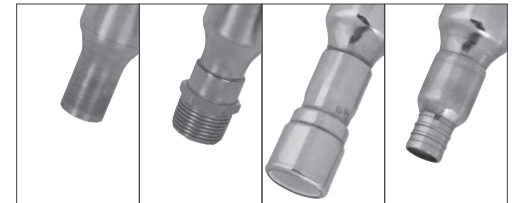
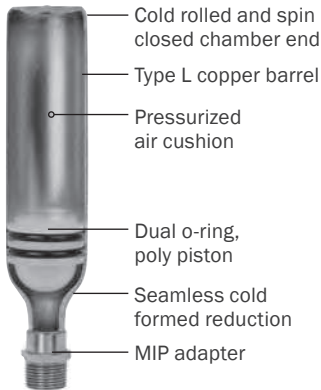
Utilizing a Metal Compression Ring.

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



Available in four connection types, including new CPVC socket and PEX F1807.

SPECIFICATIONS †

Maximum Working Temp	250°F
Safe Working Pressure for Pressure Testing	350 PSIG
Burst Tested	2,900 PSIG

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	½"	A	6½"	1⅜"	1-11	5	✓	B	1	16
653-B	¾"	B	8¾"	1⅜"	12-32	7	✓	B	1	16
654-C	1"	C	11"	1⅜"	33-60	11	✓	B	1	16
655-D	1"	D	10⅞"	2½"	61-113	20	✓	B	1	4
656-E	1"	E	12⅝"	2½"	114-154	29	✓	B	1	4
657-F	1"	F	15⅞"	2½"	155-330	36	✓	B	1	4
MALE SWEAT/PRESS FITTING										
652-AS	½"	A	8¼"	1⅜"	1-11	5	✓	B	1	16
653-BS	¾"	B	10"	1⅜"	12-32	7	✓	B	1	16
654-CS	1"	C	12½"	1⅜"	33-60	11	✓	B	1	16
655-DS	1"	D	11"	2½"	61-113	20	✓	B	1	4
656-ES	1"	E	13½"	2½"	114-154	29	✓	B	1	4
657-FS	1"	F	16"	2½"	155-330	36	✓	B	1	4
CPVC SOCKET ASTM D2846 †										
652-AC	½"	A	7½"	1⅜"	1-11	5	✓	B	1	16
653-BC	¾"	B	9½"	1⅜"	12-32	7	✓	B	1	16
654-CC	1"	C	12"	1⅜"	33-60	11	✓	B	1	16
PEX CRIMP ASTM F1807 †										
652-AX	½"	A	6½"	1⅜"	1-11	5	✓	B	1	16
653-BX	¾"	B	8¾"	1⅜"	12-32	7	✓	B	1	16
654-CX	1"	C	11"	1⅜"	33-60	11	✓	B	1	16

† NOTE: PEX and CPVC connection specifications are limited to those called out in their respective

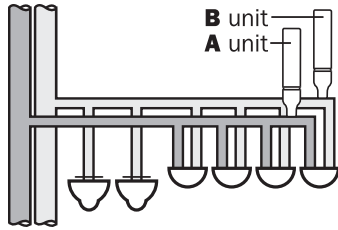


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



Cold Water
Equal to 26 fixture units
Requires B unit
Sioux Chief's 653-B
or 653-BS

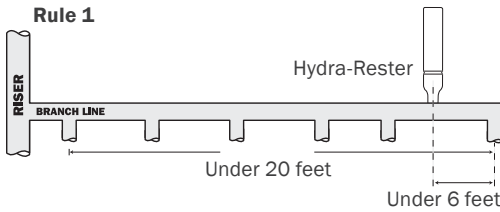
Hot Water
Equal to 6 fixture units
Requires A unit
Sioux Chief 652-A
or 652-AS

Sizing and Placement

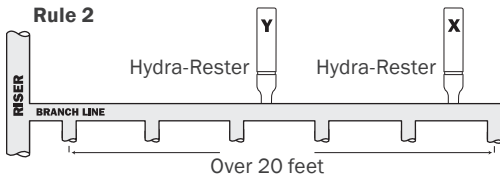
The fixture unit values shown in the table (below) represent the standard ratings used by engineers to size water distribution systems as well as water hammer arresters. Match fixture units in the table to the Hydra-Rester® with the corresponding fixture unit value (see previous page).

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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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

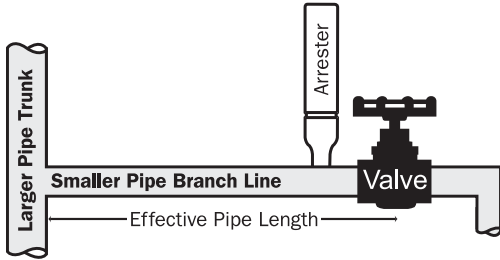


658S4004F2

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

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



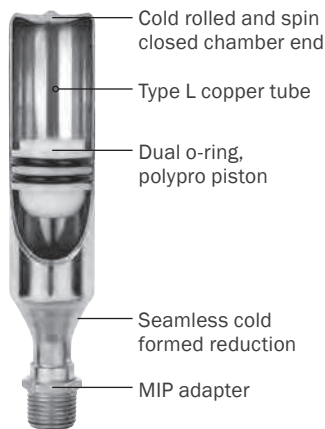
652-AD

Installation

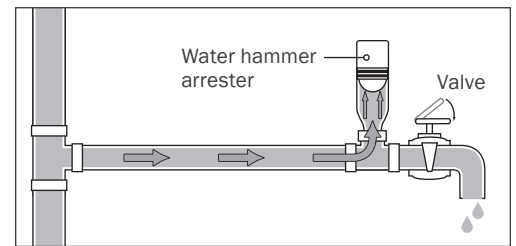
For high flow tub valves with long spout tubes, install 652-AD Vacu-Rester on spout tube, in between tub valve and spout, within one foot of the tub valve.

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.

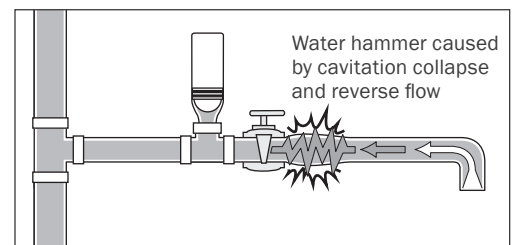
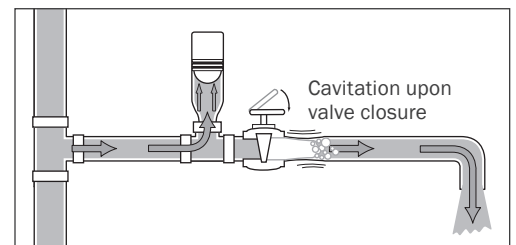
For high flow lines with shut-off valve in the middle of pipe run, install Vacu-Rester on non-pressure side, within one foot of shut-off valve. Pipe sizes ½" thru 1", install 652-AD. Pipe sizes 1¼" thru 3", install 657-FD.



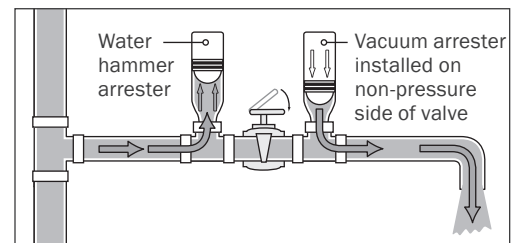
Regular water hammer with arrester.



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

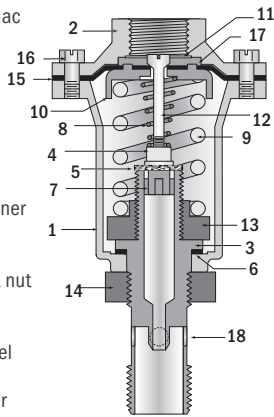
Item No	Conn. Size	Dimensions		Pkg	Min Qty	Case Qty
		Length	Width			
MIP THREAD						
652-AD	½"	6½"	1⅜"	B	1	16
657-FD	1"	15⅞"	2⅞"	B	1	4



695-01

COMPONENTS

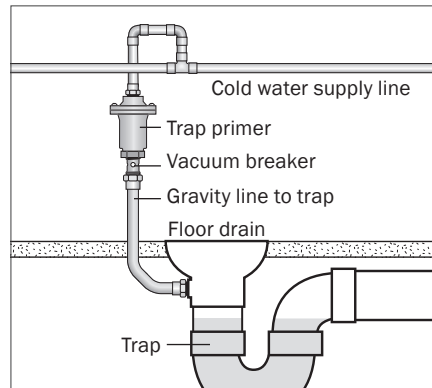
- 1 Body: Brass-plated Zamac
- 2 Cap: Brass-plated Zamac
- 3 Brass nipple
- 4 Valve stem nut
- 5 Rubber valve disc
- 6 Nipple seat washer
- 7 Valve stem guide
- 8 Valve stem spring
- 9 Diaphragm spring
- 10 Diaphragm spring retainer
- 11 Sediment screen
- 12 Valve stem
- 13 Diaphragm adjustment nut
- 14 Nipple locknut
- 15 Diaphragm
- 16 Hex head stainless steel screws
- 17 Diaphragm stop washer
- 18 Vacuum breaker



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



Installation

Install to a convenient cold water line, 1/2"-1 1/2" (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 1/4 turn and re-tighten nipple locknut.



Item No	Description	Pkg	Min Qty	Case Qty
695-01	Prime Perfect trap primer valve	B*	1	24

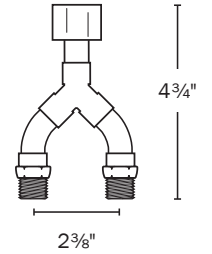
Splitters

Wye Splitter

- 1/2" 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 1/2" MIP branches	B	1	10

Splitters

Distributor

- 1/2" FIP swivel connection
- Available with two, three or four flexible copper branches
- Evenly distributes water to each branch every time



695-D20



695-D4325



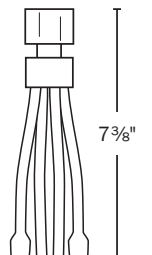
695-D432



695-D432F



Item No	Description	Pkg	Min Qty	Case Qty
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 with two plugs	B	1	10
695-D4325	Two 1/2" female sweat branches Two spin-closed branches	B	1	16



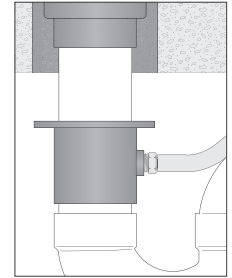


695-3P

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



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



213-090



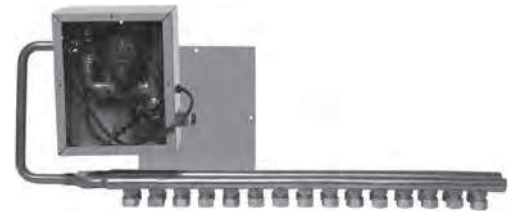
Item No	Dimensions	Tubular Connection	Gauge	Finish	Pkg	Min Qty	Case Qty
200-090	1 1/2" x 8"	direct connect	22	unfinished	B	25	25
200-092	1 1/2" x 8"	direct connect	22	chrome	B	25	25
213-090	1 1/4" x 6"	fine thread	20	unfinished	B	25	25
213-092	1 1/4" x 6"	fine thread	20	chrome	B	25	25



NEW 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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

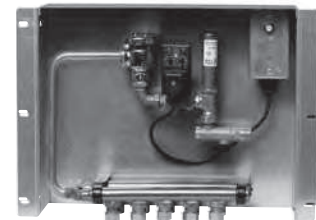
Item No	Description	Pkg	Min Qty	Case Qty
695-ES05	5 Port	B	1	1
695-ES10	10 Port	B	1	1
695-ES15	15 Port	B	1	1
695-ES20	20 Port	B	1	1
695-ES30	30 Port	B	1	1



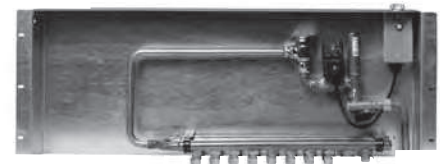
NEW ETP

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





695-ES01

NEW 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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

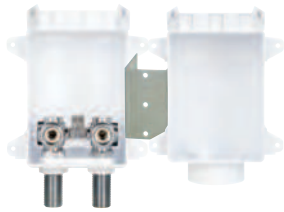
Fire-Rated

ACCESSORIES

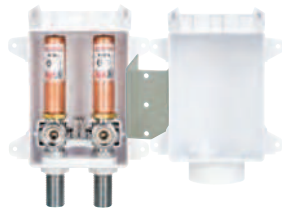
Frames
Metal Frames
Metal Locking Door
Frame Inserts
Boxes
Extensions
Box Clip
Shank Nut
Outlet Caps
Sliding Support Bracket
Valves

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



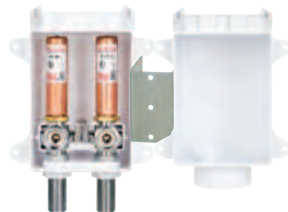
Ox Box™
Toilet/Dishwasher Outlet Box
p 248



Ox Box™
Toilet/Dishwasher Outlet Box
with Mini-Rester
p 248



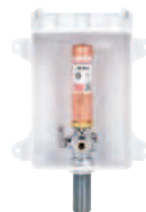
Fire-Rated Ox Box™
Washing Machine Outlet Box
p 249



Fire-Rated Ox Box™
Washing Machine Outlet Box
with Mini-Rester
p 250



Fire-Rated Ox Box™
Ice Maker Outlet Box
p 250



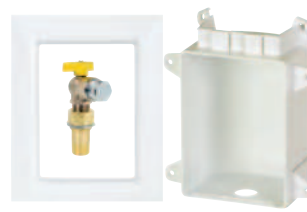
Fire-Rated Ox Box™
Ice Maker Outlet Box
with Mini-Rester
p 251



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

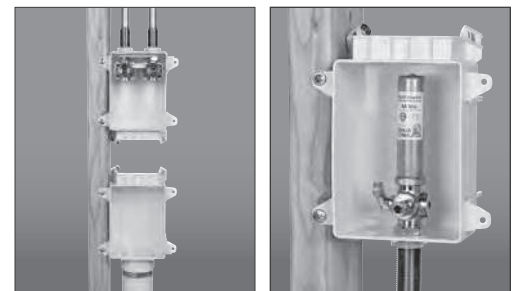
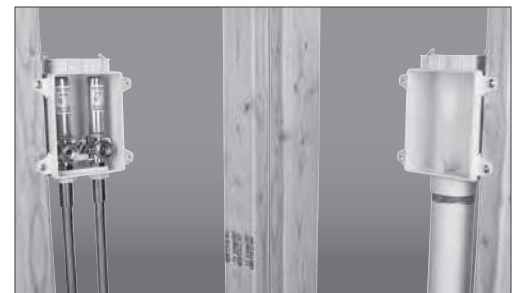
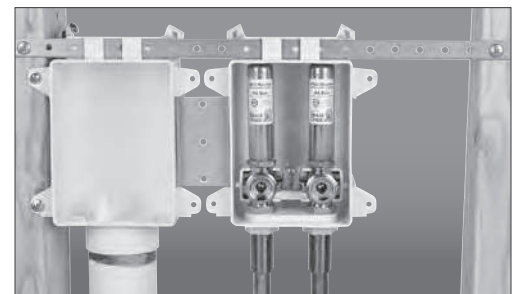
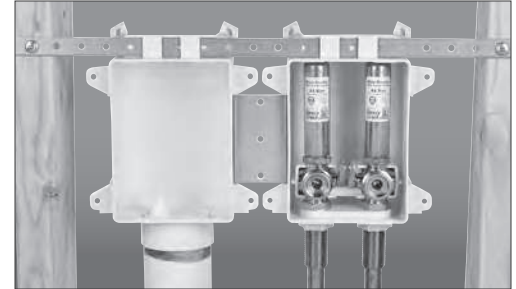
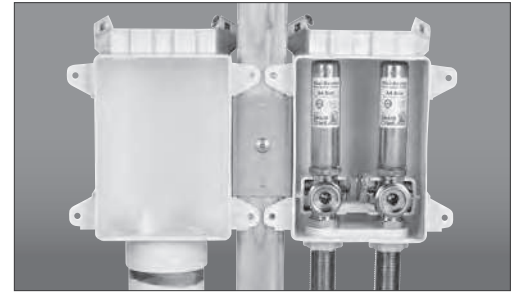


Build Item Numbers

- 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 <p>R Fire-rated package with intumescent pads and fire-rated frame</p> <ul style="list-style-type: none"> -G Supplied valves are no lead alloy 693 with low zinc <p>RG Supplied valves are no lead alloy 693 with low zinc and packaged with intumescent pad and fire-rated frame</p> <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 1/4" compression connection 1 3/8" compression connection 3 3/4" male hose thread connection <p>F Inlet Options</p> <ul style="list-style-type: none"> A 1/2" F2080 PEX C 1/2" male CPVC M 1/2" female sweat V 1/2" Viega® PEX Press® W 1/2" F1960 PEX X 1/2" 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, 1/4" 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



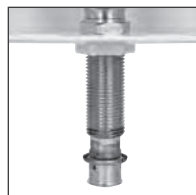
1/2" PEX F1807



1/2" PEX F1960



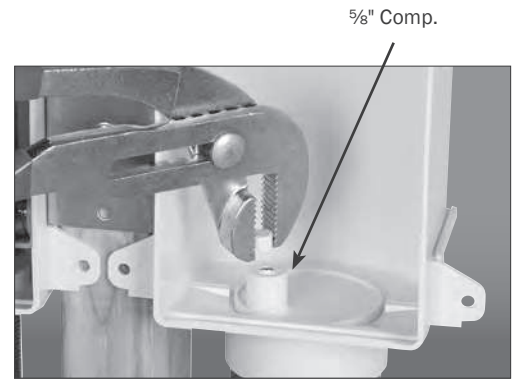
1/2" PEX F2080



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.

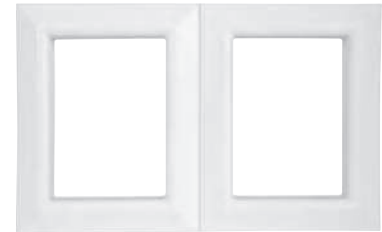
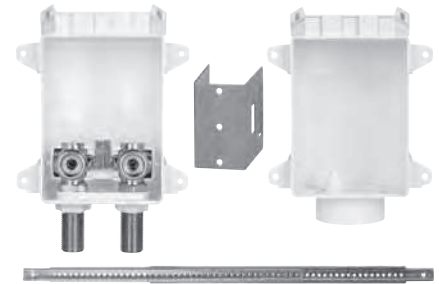
Related Products

Frames for Rough-in Packs

p 254

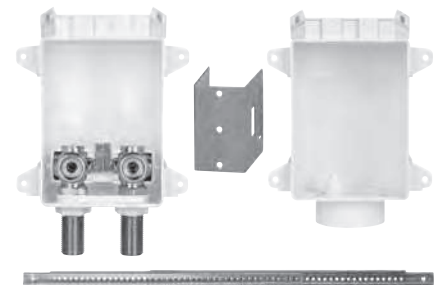
Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2303MF	1/2" female sweat		B*	10	10
696-2303CF	1/2" CPVC male		B*	10	10
696-2303XF	1/2" PEX F1807		B*	10	10
696-2303WF	1/2" PEX F1960		B*	10	10
696-2303AF	1/2" PEX F2080		B*	10	10
696-2303VF	1/2" Viega PEX Press		B*	10	10
696-G2303MF	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

Standard Pack



696-2303MF

Rough-in Pack

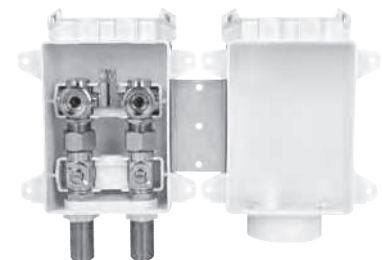


Order frames 696-2303MR separately.

Display Box



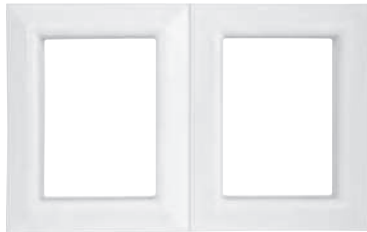
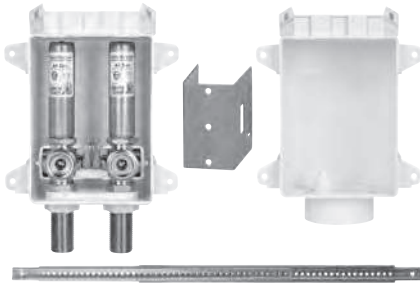
696-2303MFPK4



696-2323MF

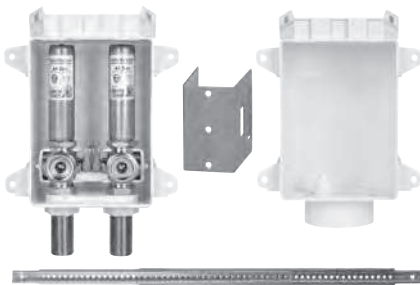


Standard Pack



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



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

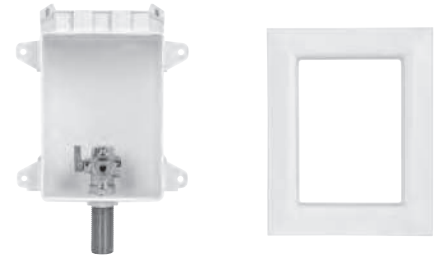
Patent #7,360,553 & #7,735,511

- 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.

Standard Pack



696-1000MF

Rough-in Pack



696-1000MR

Standard Pack with Stainless Steel Hose



696-1000MFS

Display Box



696-1000MFPK4



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

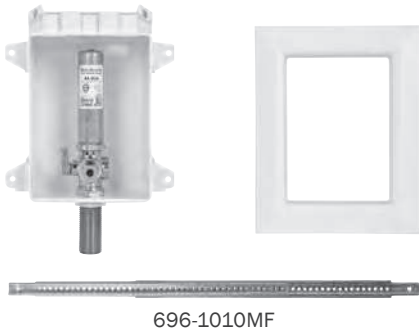
Related Products

Frame for Rough-in Packs

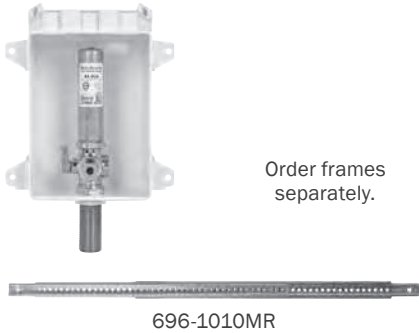
p 254

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

Standard Pack



Rough-in Pack



Order frames separately.



The debris cover protects valves from drywall mud and paint during construction.

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

Related Products

Frame for Rough-in Packs

p 254

Standard Pack with Stainless Steel Hose



Display Box



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

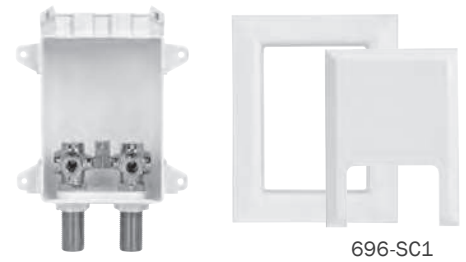
Ox Box™

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 3/8" O.D. compression outlet connections

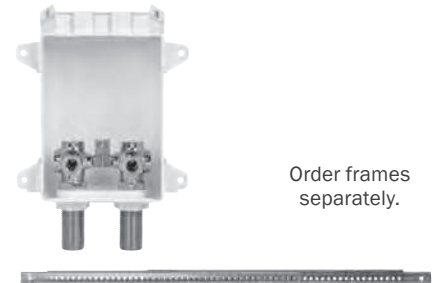
Standard Pack



696-SC1

696-2001MF

Rough-In Pack



696-2001MR

Order frames separately.

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2001MF	1/2" female sweat		B*	10	10
696-2001CF	1/2" CPVC male		B*	10	10
696-2001XF	1/2" PEX F1807		B*	10	10
696-2001WF	1/2" PEX F1960		B*	10	10
696-2001AF	1/2" PEX F2080		B*	10	10
696-G2001MF	1/2" female sweat, no lead	✓	B*	10	10
696-G2001CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G2001XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G2001WF	1/2" PEX F1960, no lead	✓	B*	10	10
ROUGH-IN PACK					
696-2001MR	1/2" female sweat		B*	10	10
696-2001CR	1/2" CPVC male		B*	10	10
696-2001XR	1/2" PEX F1807		B*	10	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

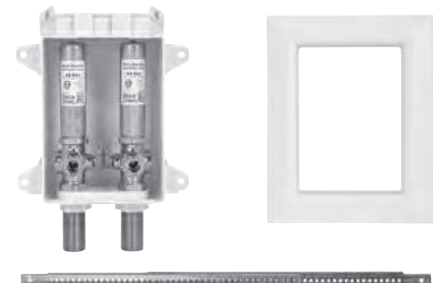
Ox Box™

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 3/8" O.D. compression outlet connections

Standard Pack

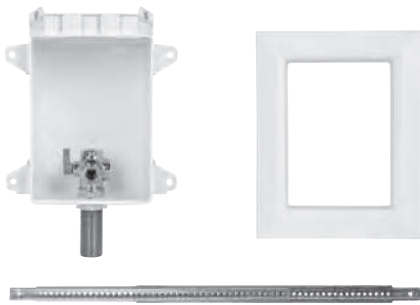


696-2011MF

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-2011MF	1/2" female sweat		B*	10	10
696-2011CF	1/2" CPVC male		B*	10	10
696-2011XF	1/2" PEX F1807		B*	10	10
696-2011WF	1/2" PEX F1960		B*	10	10
696-G2011MF	1/2" female sweat, no lead	✓	B*	10	10
696-G2011CF	1/2" CPVC male, no lead	✓	B*	10	10
696-G2011XF	1/2" PEX F1807, no lead	✓	B*	10	10
696-G2011WF	1/2" PEX F1960, no lead	✓	B*	10	10



Standard Pack



696-1001MF

Ox Box™

Toilet/Dishwasher Outlet Box

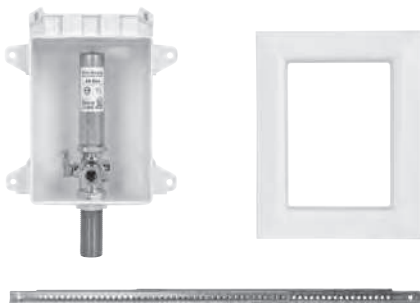
Patent #7,360,553 & #7,735,511

- 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

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



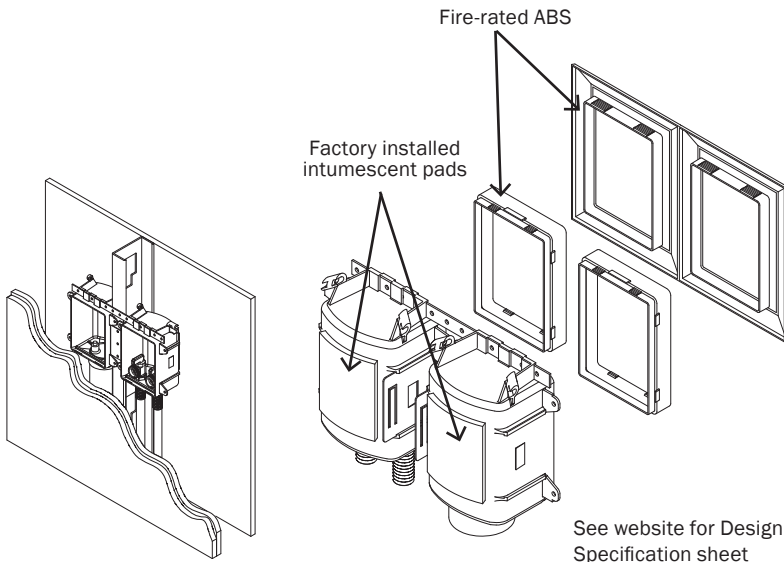
Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696-1011MF	1/2" female sweat		B*	10	10
696-1011CF	1/2" CPVC male		B*	10	10
696-1011XF	1/2" PEX F1807		B*	10	10
696-1011WF	1/2" PEX F1960		B*	10	10
696-1011AF	1/2" PEX F2080		B*	10	10
696-G1011MF	1/2" female sweat, no lead	✓	B*	10	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



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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Fire-Rated Ox Box™

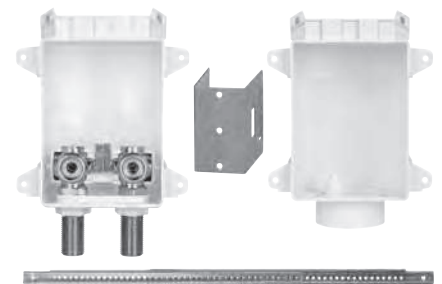
Washing Machine Outlet Box

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

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

Standard Pack



696R2303MF

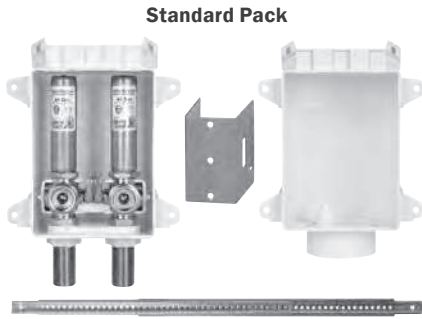


Fire-Rated Ox Box™

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



Standard Pack



696R2313MF



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

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



Standard Pack



696R1000MF



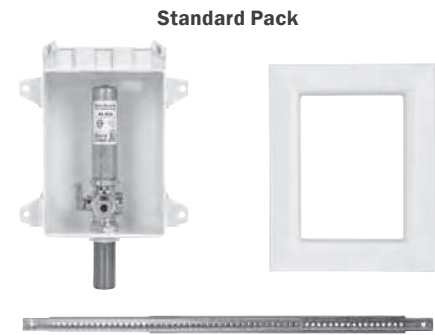
Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
STANDARD PACK					
696R1000MF	1/2" female sweat		B*	10	10
696R1000CF	1/2" CPVC male		B*	10	10
696R1000XF	1/2" PEX F1807		B*	10	10
696R1000WF	1/2" PEX F1960		B*	10	10
696R1000AF	1/2" PEX F2080		B*	10	10
696R1000VF	1/2" Viega PEX Press		B*	10	10
696RG1000MF	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



696R1010MF

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



SUPPLY

DRAINAGE

SUPPORT

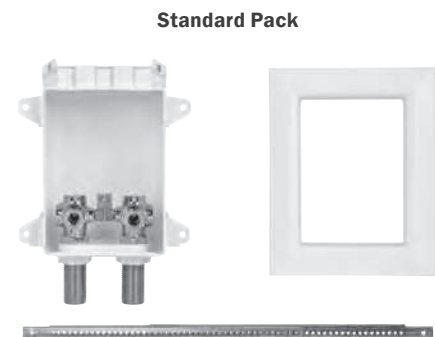
APPENDIX

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

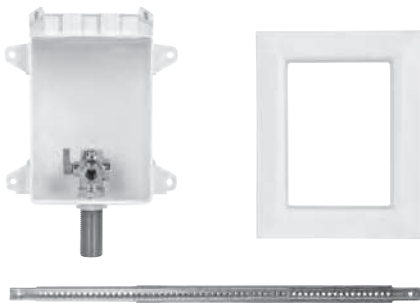


696R2001MF

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

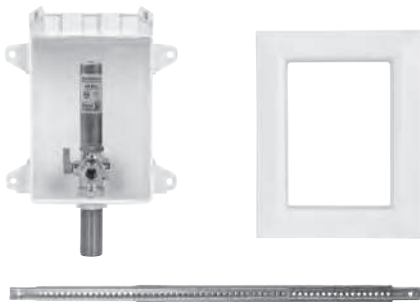


Standard Pack



696R1001MF

Mini-Rester™ Standard Pack



696RG1011MF



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

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™

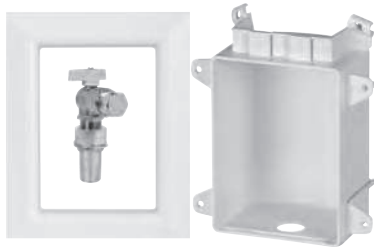
Gas Valve Outlet Box & Fire-Rated Gas Valve Outlet Box

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



696-1020GF



696-1021GF



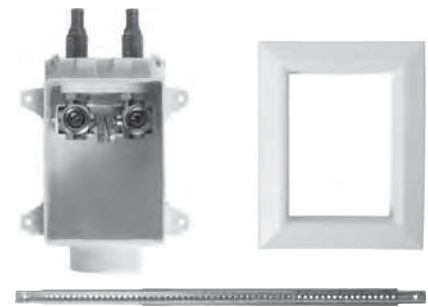
Item No	Connection	Pkg	Min Qty	Case Qty
GAS OX BOX				
696-1021GF	1/2" NPT valve and adapter for iron pipe, bagged	B*	6	6
696-1031GF	3/4" NPT valve and adapter for iron pipe, bagged	B*	6	6
696-1020GF	1/2" FIP valve for CSST connection, bagged	B*	6	6
FIRE-RATED GAS OX BOX				
696R1021GF	1/2" NPT valve and adapter for iron pipe, bagged	B*	10	10
696R1031GF	3/4" NPT valve and adapter for iron pipe, bagged	B*	10	10
696R1020GF	1/2" FIP valve for CSST connection, bagged	B*	10	10

NEW Ox Box™ ONE

Ox Box – Small Profile Laundry Supply & Drain Box

- Least obtrusive of any laundry box
- Economical alternative
- Perfect for top mounted supply run from overhead
- Debris cover included

Standard Pack



696-2403XF

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No	Shank Connection	Pkg	Min Qty	Case Qty
LAUNDRY PRODUCT (3/4" HOSE OUTLET) – STANDARD				
696-2403MF	1/2" female sweat / MIP	B*	10	10
696-2403CF	1/2" CPVC male	B*	10	10
696-2403XF	1/2" PEX F1807	B*	10	10
696-2403WF	1/2" PEX F1960	B*	10	10
LAUNDRY PRODUCT (3/4" HOSE OUTLET) – WITH WATER HAMMER ARRESTERS				
696-2413MF	1/2" female sweat / MIP	B*	10	10
696-2413CF	1/2" CPVC male	B*	10	10
696-2413XF	1/2" PEX F1807	B*	10	10
696-2413WF	1/2" PEX F1960	B*	10	10

TurboVent™

» See page 396

- 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
- Reduces expansion/contraction noise in hot water lines
- Each unit is available with DWV adapter
- Protective debris cover ships with each unit

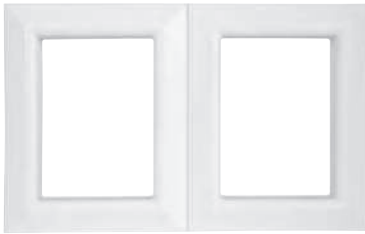


CONSIDER SIOUX CHIEF AS YOUR

ROUGH PLUMBING ARMORY

TOGETHER, WE WILL TAKE THE FIELD.

» DRAINAGE > AIR ADMITTANCE VALVE > TurboVent



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 ½" 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



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



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



APPENDIX

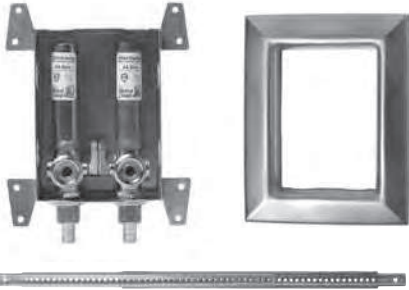
SUPPLY

DRAINAGE

SUPPORT

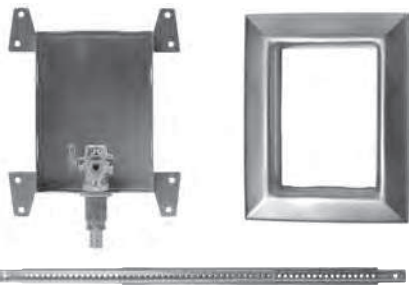
APPENDIX

Standard Pack

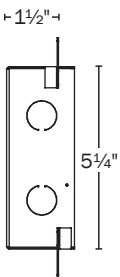


697-2013XF

Standard Pack



697-G1000XF



NEW SpecBox™

Shallow Stainless Steel Supply Access Box

- Perfect for 1.5" stud cavity fixture supply
- Durable materials stand up to job site abuse
- Available with engineered water hammer arresters
- Stainless steel is perfect for commercial projects or high-end appeal
- Assembled in the USA

Item No	Shank Connection	NO LEAD	Pkg	Min Qty	Case Qty
LAUNDRY PRODUCT (3/4" HOSE OUTLET) - STANDARD					
697-2003MF	1/2" female sweat		B*	10	10
697-2003CF	1/2" CPVC male		B*	10	10
697-2003XF	1/2" PEX F1807		B*	10	10
697-2003WF	1/2" PEX F1960		B*	10	10
LAUNDRY PRODUCT (3/4" HOSE OUTLET) - WITH WATER HAMMER ARRESTERS					
697-2013MF	1/2" female sweat		B*	10	10
697-2013CF	1/2" CPVC male		B*	10	10
697-2013XF	1/2" PEX F1807		B*	10	10
697-2013WF	1/2" PEX F1960		B*	10	10
LAVATORY PRODUCT (3/8" COMP. OUTLET)					
697-G2001MF	1/2" female sweat	✓	B*	10	10
697-G2001CF	1/2" CPVC male	✓	B*	10	10
697-G2001XF	1/2" PEX F1807	✓	B*	10	10
697-G2001WF	1/2" PEX F1960	✓	B*	10	10
LAVATORY PRODUCT (3/8" COMP. OUTLET) - WITH WATER HAMMER ARRESTERS					
697-G2011MF	1/2" female sweat	✓	B*	10	10
697-G2011CF	1/2" CPVC male	✓	B*	10	10
697-G2011XF	1/2" PEX F1807	✓	B*	10	10
697-G2011WF	1/2" PEX F1960	✓	B*	10	10
ICEMAKER PRODUCT (1/4" COMP. OUTLET)					
697-G1000MF	1/2" female sweat	✓	B*	10	10
697-G1000CF	1/2" CPVC male	✓	B*	10	10
697-G1000XF	1/2" PEX F1807	✓	B*	10	10
697-G1000WF	1/2" PEX F1960	✓	B*	10	10
ICEMAKER PRODUCT (1/4" COMP. OUTLET) - WITH WATER HAMMER ARRESTERS					
697-G1010MF	1/2" female sweat	✓	B*	10	10
697-G1010CF	1/2" CPVC male	✓	B*	10	10
697-G1010XF	1/2" PEX F1807	✓	B*	10	10
697-G1010WF	1/2" PEX F1960	✓	B*	10	10

Outlet Box

Accessories

Cap with Gasket

- Brass caps with gasket for testing and valve operation protection



520-09



696-PN



696-C0



696-C1

Item No	Description	Pkg	Min Qty	Case Qty
SUPPORT BRACKET				
520-09	Sliding Support Bracket	B	250	250
SHANK NUT				
696-PN	Shank nut	B	50	50
CAP WITH GASKET				
696-C0	1/4" OD compression cap	B	10	10
696-C1	3/8" OD compression cap, pair	B	10	10
696-C3	3/4" hose thread cap, pair	B	10	10

NEW No Lead Access Box Valves

Laundry and Icemaker Long-Shank Valves

- High quality ¼-turn supply stop valves
- For use in access box product and secure with 696PN
- Arresters made in the USA



696-GLVH1W

Item No	Dimensions	Pkg	Min Qty	Case Qty
NO LEAD LAUNDRY PRODUCT (¾" HOSE OUTLET) – WITH WATER HAMMER ARRESTER				
696-GLVH1	Right handle, nickel-plated, FSWT inlet	B	10	10
696-GLVH1W	Right handle, nickel-plated, PEX F1960 inlet	B	10	10
696-GLVH1C	Right handle, nickel-plated, CPVC male inlet	B	10	10
696-GLVH2	Left handle, nickel-plated, FSWT inlet	B	10	10
696-GLVH2W	Left handle, nickel-plated, PEX F1960 inlet	B	10	10
696-GLVH2C	Left handle, nickel-plated, CPVC male inlet	B	10	10
NO LEAD ICEMAKER PRODUCT (¼" COMP. OUTLET) – WITH WATER HAMMER ARRESTER				
696-GLVCO	Right handle, nickel-plated, FSWT inlet	B	10	10
696-GLVCOW	Right handle, nickel-plated, PEX 1960 inlet	B	10	10



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

NEW Access Box Valves

Laundry Long-Shank Valves

- High quality ¼-turn supply stop valves
- For use in access box product and secure with 696PN
- Arresters made in the USA

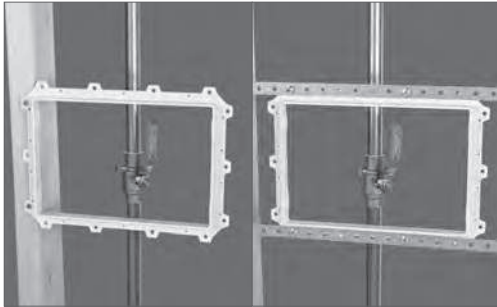


696-LVH1W

Item No	Dimensions	Pkg	Min Qty	Case Qty
LAUNDRY PRODUCT (¾" HOSE OUTLET) – WITH WATER HAMMER ARRESTER				
696-LVH1	Right handle, nickel-plated, FSWT inlet	B	10	10
696-LVH1W	Right handle, nickel-plated, PEX F1960 inlet	B	10	10
696-LVH2	Left handle, nickel-plated, FSWT inlet	B	10	10
696-LVH2W	Left handle, nickel-plated, PEX F1960 inlet	B	10	10



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 ½" – ¾" wallboard thickness
- Can be painted or wallpapered
- Seamless finish panel is beveled and textured
- Durable HIPS material



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



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



NEW 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

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.

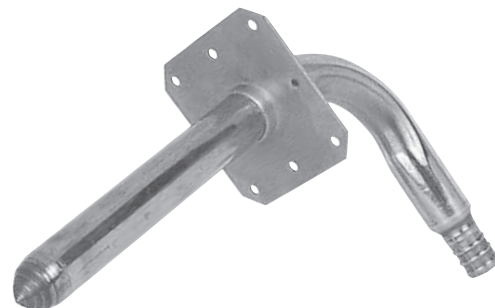
Variety. Sioux Chief has countless preformed copper and fitting capabilities. These capabilities offer endless options and solutions.

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

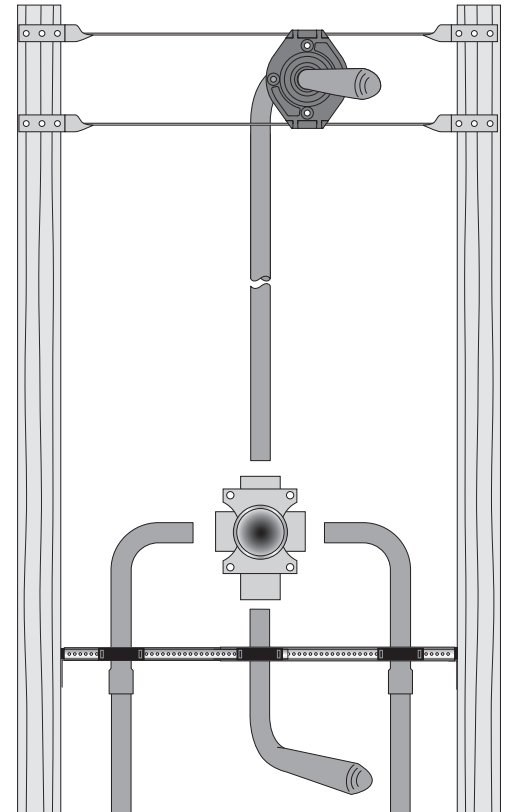
PRESS-FITTING



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:

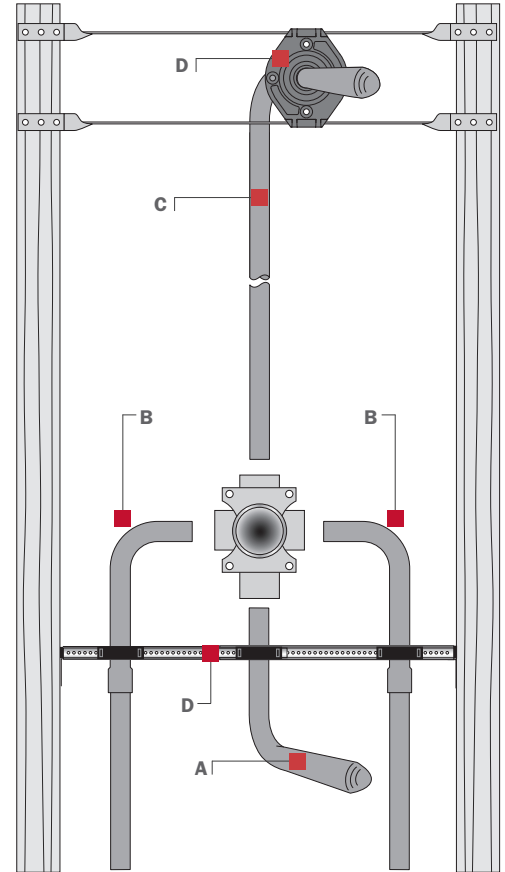
Kit Prefix	A Tub Spout Elbow	B Tub/Shower Pressure Connector	C Shower Riser	D Bracket Option
693 -	00	00	00	00

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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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



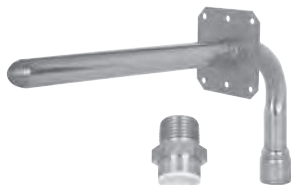
Kit Code 12
646XG2
630X248



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

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

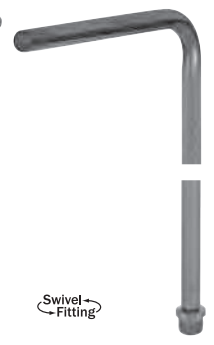
DO NOT use pipe dope on FIP threads



Kit Code 31
616-630



Kit Code 41
616-630X



Kit Code 61
608-L2308X

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

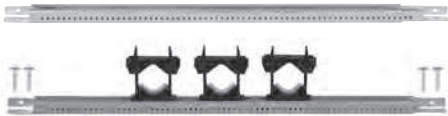


DRAINAGE



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)

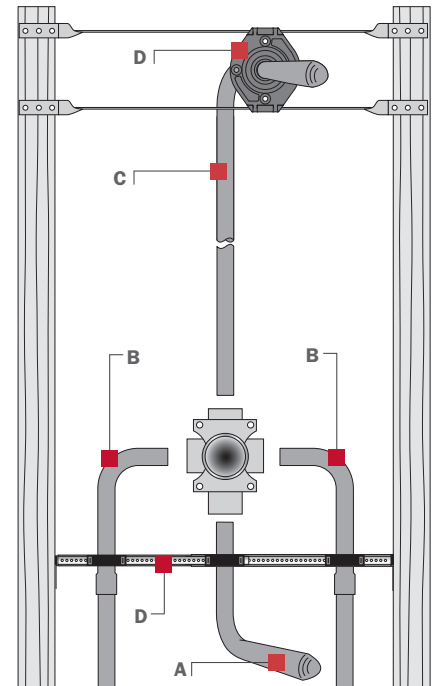
Kit Code	Item No	Description
01	525-16WLB 523-2434	Strong Arm, 16", with 1 Shower WallNut Lock Block, 4 screws Power Bar, 3TD clamp, 4 screws
02	523-2404 523-2424	Power Bar, 6 screws Power Bar, 2TD clamp, 4 screws
03	523-2404 523-2434	Power Bar, 6 screws Power Bar, 3 TD clamp, 4 screws
04	525-16WLB 523-2424	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

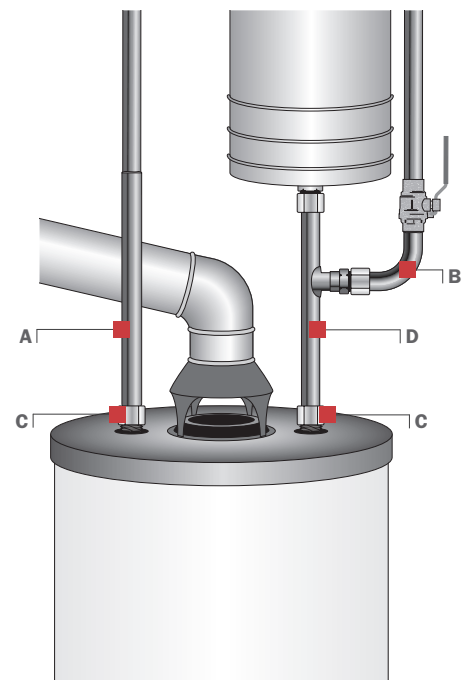
DRAINAGE

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.

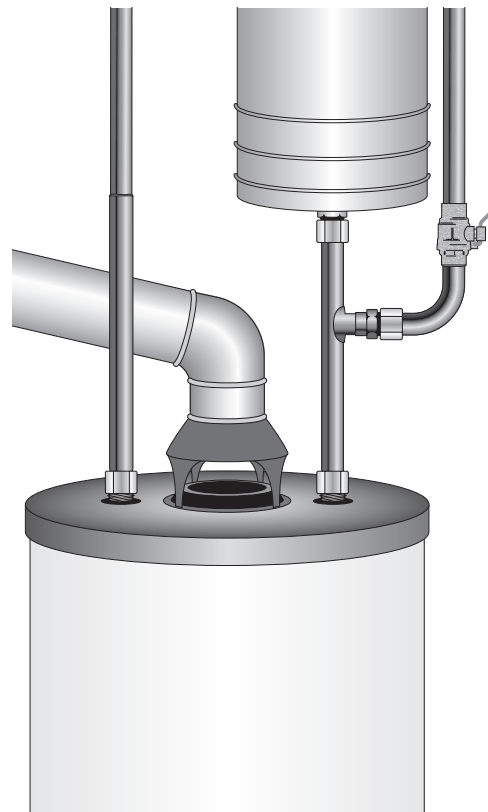
Planning efficiencies. Special trips to procure additional product are not required.

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:

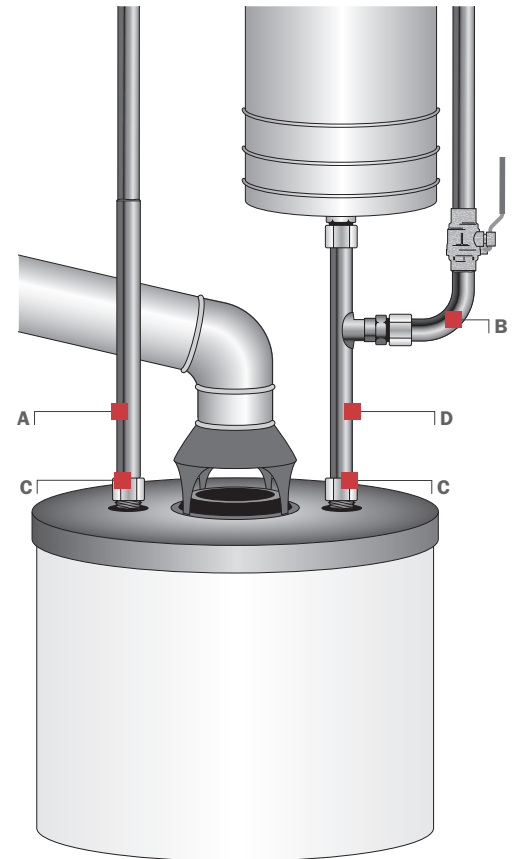
Kit Prefix	A Hot Side Connector	B Cold Side Connector	C Nipple Option	D Expansion Tank Option
694	0000	00	00	00

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

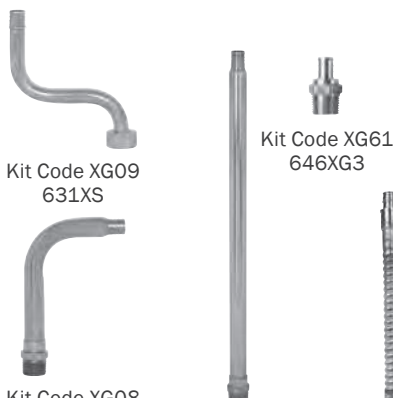


Kit Code XG06
631X02

DRAINAGE

Kit Code XG07 631X06 Kit Code XG46 634X418 Kit Code XG32 633X18

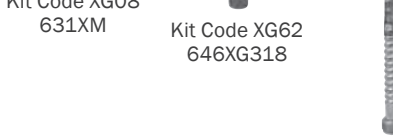
SUPPORT



Kit Code XG09
631X06

Kit Code XG61
646XG3

APPENDIX



Kit Code XG08
631XM

Kit Code XG62
646XG318

Kit Code WG49
634WG418



Kit Code AG46
634A418

Kit Code AG32
633A18



Kit Code AG06
631A02



Kit Code VG48
634VG418

NO LEAD

NO LEAD

NO LEAD

NO LEAD **NEW**

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"

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"

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"

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"

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



SUPPLY

DRAINAGE

SUPPORT

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



APPENDIX

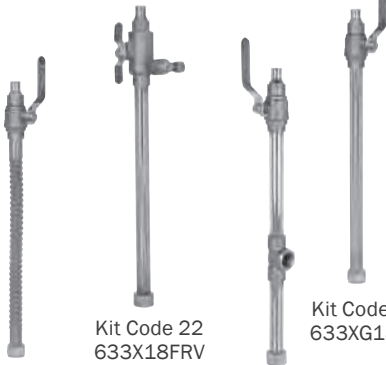
B Cold Side Connection

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

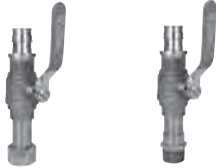


Kit Code 21
633XG18FP

Kit Code 22
633X18FRV

Kit Code 25
633XG18FPT

Kit Code 41
634XG418FP



Kit Code 75
633WG306FP

Kit Code 53
646WG306FP

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"



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"



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"



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



Kit Code 11
633AG306FP



Kit Code 01
631AG02FP



Kit Code 41
634AG418FP



Kit Code 43
634VG418FP

Kit Code 12
633AG18FP

B Cold Side Connection

CPVC Connection

Kit Code	Item No	Connection	Ball Valve	Length	NO LEAD
01	631-CG307FP	3/4" FIP swivel × 3/4" CPVC socket elbow	✓	3" × 7"	✓
11	633-CG09FP	3/4" FIP swivel × 3/4" CPVC socket	✓	9"	✓
12	633-CG18FP	3/4" FIP swivel × 3/4" CPVC socket	✓	18"	✓
14	633-C24FP	3/4" FIP swivel × 3/4" CPVC socket	✓	24"	✓
15	633-C418FP	1" FIP swivel × 3/4" CPVC socket	✓	18"	✓
16	633-C424FP	1" FIP swivel × 3/4" CPVC socket	✓	24"	✓
17	633-C18FRV	3/4" FIP swivel × 3/4" CPVC socket, with pressure relief 3/8" O.D. compression	✓	18"	
21	633-CG18FPT	3/4" FIP swivel × 3/4" CPVC socket, with 3/4" FIP branch	✓	18"	✓
25	633-C418FRV	1" FIP swivel × 3/4" CPVC socket, with pressure relief 3/8" O.D. compression	✓	18"	
51	634-CG118FP	3/4" FIP swivel × 3/4" CPVC socket flexible	✓	18"	✓
61	646-C318FP	3/4" MIP × 3/4" CPVC socket	✓	18"	✓
63	646-C324FP	3/4" MIP × 3/4" CPVC socket	✓	24"	✓
64	646-C3418FP	1" MIP × 3/4" CPVC socket	✓	18"	✓
65	646-C3424FP	1" MIP × 3/4" CPVC socket	✓	24"	✓
81	646-C318FPT	3/4" MIP × 3/4" CPVC socket, with 3/4" FIP branch	✓	18"	✓
26	633-C06FP	3/4" FIP swivel × 3/4" CPVC socket	✓	6"	✓
52	634-CG118FP	3/4" FIP swivel flexible × 3/4" CPVC socket,	✓	18"	✓
53	646-C306FP	3/4" MIP × 3/4" 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	3/4" FIP swivel × 3/4" full-slip FSWT	✓	12"	
12	633-4312FP	1" FIP swivel × 3/4" full-slip FSWT	✓	12"	
15	633-G318FPT	3/4" FIP swivel × 3/4" full-slip FSWT with 3/4" FIP branch	✓	18"	
13	633-G312CFP	3/4" FIP swivel × 7/8" compression	✓	12"	
01	631-G305FP	3/4" FIP swivel × 3/4" FSWT elbow	✓	—	
14	633-306FP	3/4" FIP swivel × 3/4" female sweat	✓	5"	
56	646-306FP	3/4" MIP × 3/4" female sweat	✓	5"	
35	633-318FP	3/4" FIP swivel × 3/4" male sweat	✓	18"	
NEW	G85	633-G716FP	3/4" dielectric end × 3/4" full-slip FSWT	✓	16"
NEW	G86	633-G7416FP	1" dielectric end × 3/4" 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

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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"



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



“ 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

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

DRAINAGE

SUPPORT

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

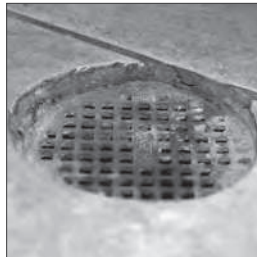


Coring Sleeve

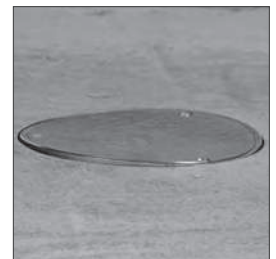


Base Adapter

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



Rough-in Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and strainer



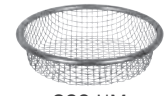
Complete Assembly
Includes rough-in drain and boxed finish fixture



832-4DNQ



832-S4



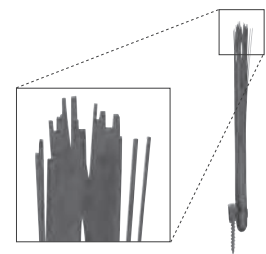
832-UM



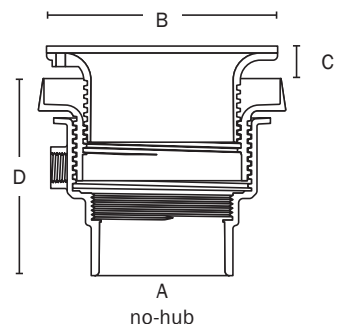
832-EX4



832-4HHD



832-W
Locating bristles



SUPPLY

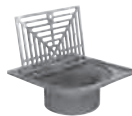
DRAINAGE

SUPPORT

APPENDIX

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- H** Hinged strainer (not available for ductile iron) \$12.00
- E** Extended ring ¹ \$60.00
- B** Complies with Buy American Act ¹ \$47.50
- M** Medium-duty strainer (3,000 lbs. safe-load)² \$30.00



Option H
Hinged Strainer

¹ Only available for round nickel bronze ring and strainer.
² Available for round 304 SS ring & strainer.

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
832-4HHHD	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



832-35DNR

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



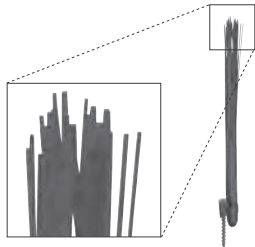
Complete Assembly
Includes rough-in drain and boxed finish fixture



832-S3



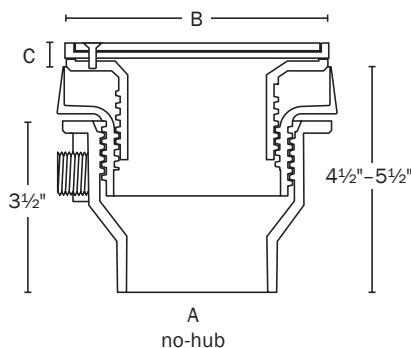
863-FA



832-W
Locating bristles



832-3HHD



Options: Add letter suffix. Add prices to list.

- V** Vandal-resistant screws \$5.00
- B** Complies with Buy American Act ¹ \$47.50
- E** Extended ring ¹ \$60.00

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							
832-25DF	(Coring plug)	2"	—	—	B*	1	1
832-35DF	(Coring plug)	3"	—	—	B*	1	1
FINISH FIXTURE							
832-3DHNQ	Round ni-brnz	—	5 1/2"	—	B*	1	1
832-3DHSR	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							
NEW 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, head adapter and poly coring plug
- Nickel bronze or 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



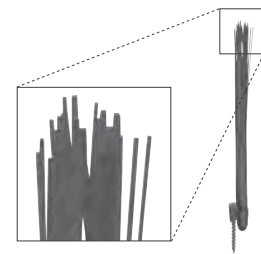
Complete Assembly
Includes rough-in drain and boxed finish fixture



832-49DNR



863-FA

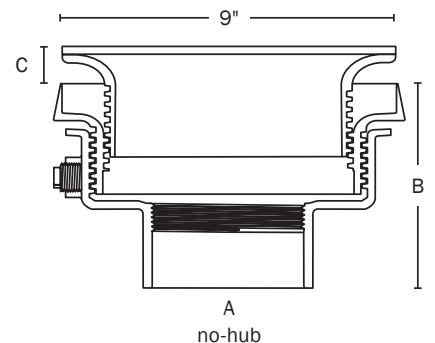


832-W
Locating bristles

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



832-63DNR

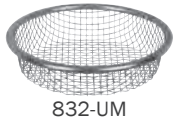
DRAINAGE

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

SUPPORT



832-UM



832-EX4

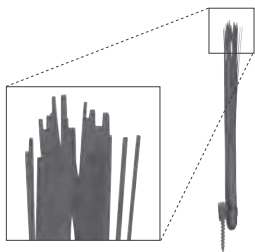


832-S4

APPENDIX



832-4HHD



832-W
Locating bristles



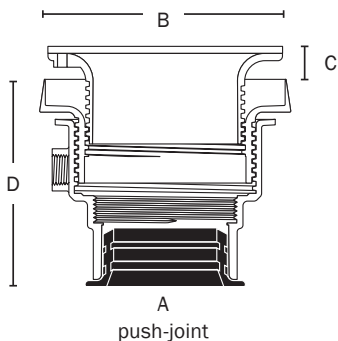
Option E
Extended Ring

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- H** Hinged strainer (not available for ductile iron) \$12.00
- E** Extended ring ¹ \$60.00
- B** Complies with Buy American Act ¹ \$47.50
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe \$3.00
- M** Medium-duty strainer (3,000 lbs. safe-load)² \$30.00

¹ Only available for round nickel bronze ring and strainer.
² Available for round 304 SS ring & strainer.

Item No	Ring & Strainer	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ROUGH-IN DRAIN								
832-63DF	(Coring plug)	3"	—	—	5 ⁵ / ₈ "-6 ⁷ / ₈ "	B*	1	1
832-64DF	(Coring plug)	4"	—	—	5 ⁷ / ₈ "-7 ¹ / ₈ "	B*	1	1
FINISH FIXTURE								
832-4DHIR	Round ductile	—	6 ¹ / ₂ "	—	—	B*	1	10
832-4DHNR	Round ni-brnz	—	6 ¹ / ₂ "	—	—	B*	1	10
832-4DHNQ	Square ni-brnz	—	7"	—	—	B*	1	10
832-4DHSR	Round 304 SS	—	6 ¹ / ₂ "	—	—	B*	1	1
832-4DHSQ	Square 304 SS	—	7"	—	—	B*	1	1
COMPLETE ASSEMBLY								
832-63DiR	Round ductile	3"	6 ¹ / ₂ "	0"-1 ¹ / ₄ "	5 ⁵ / ₈ "-6 ⁷ / ₈ "	B*	1	1
832-63DNR	Round ni-brnz	3"	6 ¹ / ₂ "	0"-1 ¹ / ₄ "	5 ⁵ / ₈ "-6 ⁷ / ₈ "	B*	1	1
832-63DNQ	Square ni-brnz	3"	7"	5 ¹ / ₁₆ "-1 ¹ / ₄ "	5 ⁵ / ₈ "-6 ⁷ / ₈ "	B*	1	1
832-63DSR	Round 304 SS	3"	6 ¹ / ₂ "	0"-1 ¹ / ₄ "	5 ⁵ / ₈ "-6 ⁷ / ₈ "	B*	1	1
832-63DSQ	Square 304 SS	3"	7"	5 ¹ / ₁₆ "-1 ¹ / ₄ "	5 ⁵ / ₈ "-6 ⁷ / ₈ "	B*	1	1
832-64DiR	Round ductile	4"	6 ¹ / ₂ "	0"-1 ¹ / ₄ "	5 ⁷ / ₈ "-7 ¹ / ₈ "	B*	1	1
832-64DNR	Round ni-brnz	4"	6 ¹ / ₂ "	0"-1 ¹ / ₄ "	5 ⁷ / ₈ "-7 ¹ / ₈ "	B*	1	1
832-64DNQ	Square ni-brnz	4"	7"	5 ¹ / ₁₆ "-1 ¹ / ₄ "	5 ⁷ / ₈ "-7 ¹ / ₈ "	B*	1	1
832-64DSR	Round 304 SS	4"	6 ¹ / ₂ "	0"-1 ¹ / ₄ "	5 ⁷ / ₈ "-7 ¹ / ₈ "	B*	1	1
832-64DSQ	Square 304 SS	4"	7"	5 ¹ / ₁₆ "-1 ¹ / ₄ "	5 ⁷ / ₈ "-7 ¹ / ₈ "	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 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 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



NEW
NEW
NEW

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



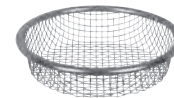
Complete Assembly
Includes rough-in drain and boxed finish fixture



832-3SSR



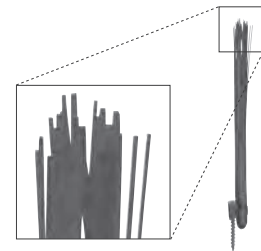
832-S4



832-UM



863-FA



832-W
Locating bristles

Options: Add letter suffix. Add price to list.

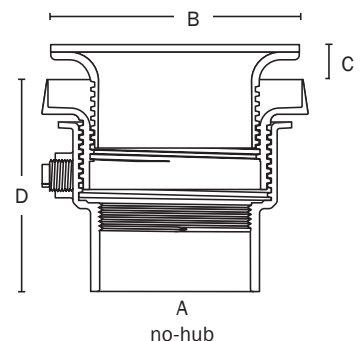
V Vandal-resistant screws \$5.00

H Hinged strainer \$12.00

NEW M Medium-duty strainer (3,000 lbs. safe-load)¹ \$30.00

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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

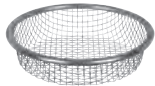
Finish Line™

Adjustable Floor Drain
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



832-UM



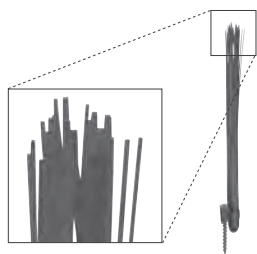
832-S4



832-EX4



832-4HHD



832-W
Locating bristles



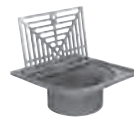
Rough-in Drain
Base adapter, coring sleeve and coring plug



Finish Fixture
Head adapter, ring and strainer



Complete Assembly
Includes rough-in drain and boxed finish fixture



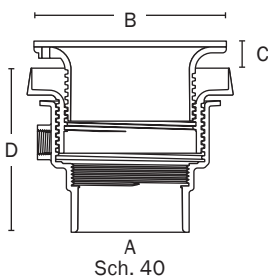
Option H
Hinged strainer

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- H** Hinged strainer \$12.00
- E** Extended ring¹ \$60.00
- B** Complies with Buy American Act¹ \$47.50

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	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
832-4DHD	—	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



NEW
NEW

Finish Line™

Adjustable Floor Drain
Sch. 40 Hub Connection

- Adjustable AFTER the pour
- ABS/PVC base adapter, ABS coring sleeve, head adapter and poly coring plug
- 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



832-25PNR



832-S3



863-FA

SUPPLY

DRAINAGE

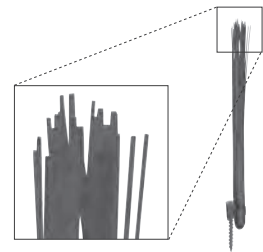
SUPPORT

APPENDIX

Options: Add letter suffix. Add price to list.

V	Vandal-resistant screws	\$5.00
B	Complies with Buy American Act ¹	\$47.50
E	Extended ring ¹	\$60.00

¹ Only available for round nickel bronze ring and strainer.

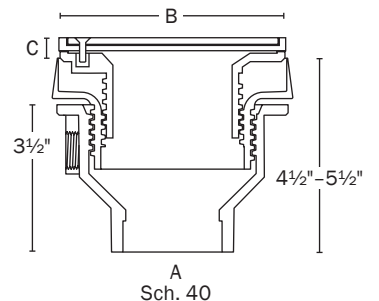


832-W
Locating bristles

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								
NEW 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





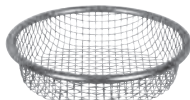
842-3PSR



842-3PNQ



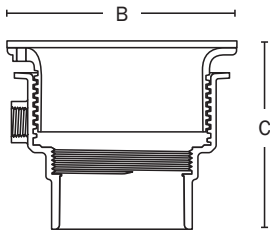
842-36Pi



842-UM



863-FA



A
Sch. 40

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

Options: Add letter suffix. Add prices to list.

- V** Vandal-resistant screws \$5.00
- H** Hinged strainer ¹ \$12.00
- E** Extended ring ² \$60.00
- B** Complies with Buy American Act ² \$40.00
- Y** Ductile iron head adapter in place of ABS \$20.00
- M** Medium-duty strainer (3,000 lbs. safe-load)³ \$30.00



Option E
Extended Ring

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"	4⅜"-5⅛"	B*	1	10
842-3PNR	842-3ANR	Round	3" x 4"	5½"	4⅜"-5⅛"	B*	1	8
842-36PNR	842-36ANR	Round	3" x 4"	6½"	5⅜"-6¼"	B*	1	10
842-4PNR	842-4ANR	Round	4" hub	6½"	5⅜"-6½"	B*	1	10
842-2PNQ	842-2ANQ	Square	2" x 3"	5⅞"	4⅜"-5⅛"	B*	1	10
842-3PNQ	842-3ANQ	Square	3" x 4"	5⅞"	4⅜"-5⅛"	B*	1	10
842-36PNQ	842-36ANQ	Square	3" x 4"	7"	5⅜"-6¼"	B*	1	10
842-4PNQ	842-4ANQ	Square	4" hub	7"	5⅜"-6½"	B*	1	10
STAINLESS STEEL								
842-2PSR	842-2ASR	Round	2" x 3"	5½"	4⅜"-5⅛"	B*	1	10
842-3PSR	842-3ASR	Round	3" x 4"	5½"	4⅜"-5⅛"	B*	1	8
842-36PSR	842-36ASR	Round	3" x 4"	6½"	5⅜"-6¼"	B*	1	10
842-4PSR	842-4ASR	Round	4" hub	6½"	5⅜"-6½"	B*	1	10
842-2PSQ	842-2ASQ	Square	2" x 3"	5⅞"	4⅜"-5⅛"	B*	1	10
842-3PSQ	842-3ASQ	Square	3" x 4"	5⅞"	4⅜"-5⅛"	B*	1	10
842-36PSQ	842-36ASQ	Square	3" x 4"	7"	5⅜"-6¼"	B*	1	1
842-4PSQ	842-4ASQ	Square	4" hub	7"	5⅜"-6½"	B*	1	10
CAST IRON								
842-2Pi	842-2Ai	Round	2" x 3"	6⅛"	4¾"-5½"	B*	1	2
842-3Pi	842-3Ai	Round	3" x 4"	6⅛"	4¾"-5½"	B*	1	2
842-36Pi	842-36Ai	Round	3" x 4"	6⅞"	5½"-6⅝"	B*	1	2
842-4Pi	842-4Ai	Round	4" hub	6⅞"	5¾"-6⅝"	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	—	4⅝" 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



842-3LNR



842-3LNQ



842-3Li



842-3LP

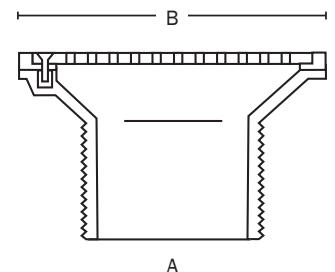


Option H
Hinged Strainer

- Options:** Add letter suffix. Add prices to list.
- V** Vandal-resistant screws \$5.00
 - H** Hinged strainer ¹ \$12.00
 - E** Extended ring ² \$60.00
 - NEW M** Medium-duty strainer (3,000 lbs. safe-load)³ \$30.00

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	6⅝"	B*	1	5
842-4Li	Cast iron	4" MIP	6⅝"	B*	1	5
842-2LP	Gray ABS	2" MIP	4⅜"	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	5⅞"	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	5⅞"	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	4⅜" diameter debris basket (for use with 842-4_ models only)			B*	1	1



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



842-3iLNR



842-3iLNQ



842-3iLi

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

SUPPLY

DRAINAGE

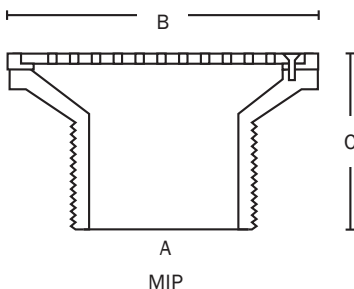
SUPPORT

APPENDIX

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						
842-2iLNR	2" MIP	4½"	2⅜"	B*	1	2
842-3iLNR	3" MIP	5½"	2⅜"	B*	1	2
842-4iLNR	4" MIP	6½"	2⅜"	B*	1	2
SQUARE NICKEL BRONZE RING & STRAINER						
842-2iLNQ	2" MIP	4½"	2⅜"	B*	1	2
842-3iLNQ	3" MIP	5⅝"	2⅜"	B*	1	2
842-4iLNQ	4" MIP	7"	2⅜"	B*	1	2
CAST IRON RING & STRAINER						
842-2iLi	2" MIP	5"	2⅝"	B*	1	2
842-3iLi	3" MIP	6⅛"	3⅜"	B*	1	2
842-4iLi	4" MIP	6⅝"	3⅜"	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	¼" stainless steel debris basket (for use with 842-4_ models only)			B*	1	1

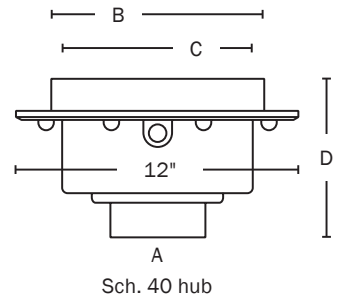
Fat Max™

Large-Capacity Floor Drain

- ABS or PVC solvent weld connection
- Low profile design with anchor flange for a solid installation



860-3PZ



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"	6⅜"	B*	1	4
860-3P	860-3A	3 × 4"	9"	8½"	6⅜"	B*	1	4
860-4P	860-4A	4"	9"	8½"	6⅜"	B*	1	4
860-6P	860-6A	6"	9"	8½"	8⅛"	B*	1	1
WITH NICKEL BRONZE RING & STRAINER								
860-2PN	860-2AN	2"	9¾"	9⅜"	7⅝"	B*	1	4
860-3PN	860-3AN	3 × 4"	9¾"	9⅜"	7⅝"	B*	1	4
860-4PN	860-4AN	4"	9¾"	9⅜"	7⅝"	B*	1	4
860-6PN	860-6AN	6"	9¾"	9⅜"	8⅝"	B*	1	1
WITH STAINLESS STEEL RING & STRAINER								
860-2PZ	860-2AZ	2"	9¾"	9⅜"	7⅝"	B*	1	4
860-3PZ	860-3AZ	3 × 4"	9¾"	9⅜"	7⅝"	B*	1	4
860-4PZ	860-4AZ	4"	9¾"	9⅜"	7⅝"	B*	1	4
860-6PZ	860-6AZ	6"	9¾"	9⅜"	8⅝"	B*	1	1
WITH CAST IRON RING & STRAINER								
860-2Pi	860-2Ai	2"	9⅜"	8½"	6⅜"	B*	1	2
860-3Pi	860-3Ai	3 × 4"	9⅜"	8½"	6⅜"	B*	1	2
860-4Pi	860-4Ai	4"	9⅜"	8½"	6⅜"	B*	1	2
860-6Pi	860-6Ai	6"	9⅜"	8½"	8⅛"	B*	1	2

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

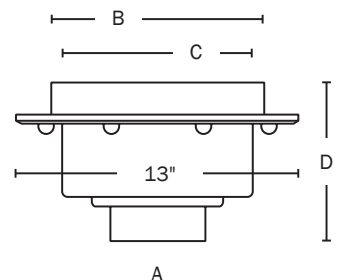
Fat Max™

Large-Capacity Floor Drain

- Cast iron no-hub or push-joint connection
- Low profile design with anchor flange for a solid installation



860-23i

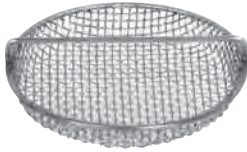


No-Hub Item No	Push-Joint Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D†			
WITH NICKEL BRONZE RING & STRAINER								
860-22N	860-62N	2"	9¾"	9⅜"	7¼"	B*	1	1
860-23N	860-63N	3"	9¾"	9⅜"	7¼"	B*	1	1
860-24N	860-64N	4"	9¾"	9⅜"	7¼"	B*	1	1
860-26N	—	6"	9¾"	9⅜"	7¼"	B*	1	1
WITH STAINLESS STEEL RING & STRAINER								
860-22Z	860-62Z	2"	9¾"	9⅜"	7¼"	B*	1	1
860-23Z	860-63Z	3"	9¾"	9⅜"	7¼"	B*	1	1
860-24Z	860-64Z	4"	9¾"	9⅜"	7¼"	B*	1	1
860-26Z	—	6"	9¾"	9⅜"	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

SUPPORT

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

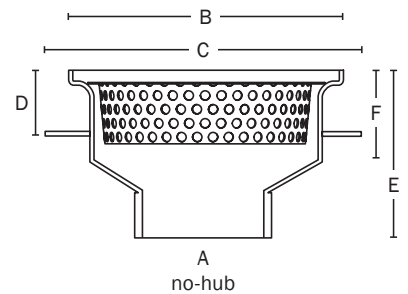
Fat Max™

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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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										
NEW 860-3SSS	Strainer only for 860-3SS						B	1	1	
NEW 860-4SSS	Strainer only for 860-4SS						B	1	1	

Little Max™

General Purpose Floor Drain

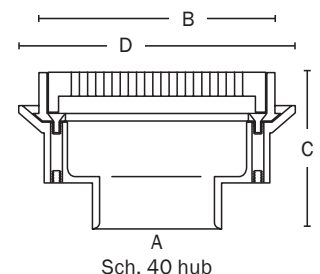
- ABS or PVC solvent weld connection
- Strainer ring can be used as a clamping collar for above-grade applications



864-3P



864-S



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$8.00
- T** Tapped ½" FIP for trap primer \$6.00
- S** Sand bucket \$8.50
- U** Stainless steel debris basket for sump area \$30.00

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"	4⅜"	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



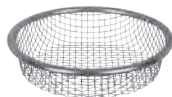
843-3PNR



843-3PNQ



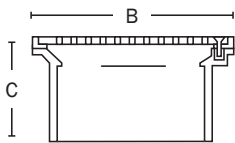
843-3Pi



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	—	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

SUPPORT

APPENDIX

Options: Add letter suffix. Add prices to list.

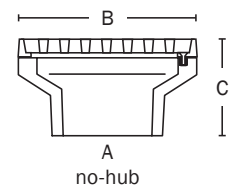
V Vandal-resistant screws ¹ \$5.00

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™

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



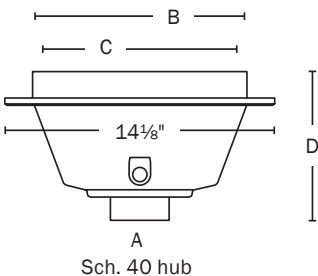
Square Max™

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



Anchor flange provides solid installations. Thinner rim profile than other square floor sinks.



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

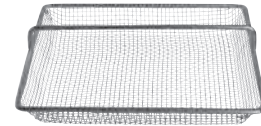
Square Max™

Options, Strainers and Accessories

- Square Max options are factory installed
- Square Max strainers and accessories are ordered and sold separately



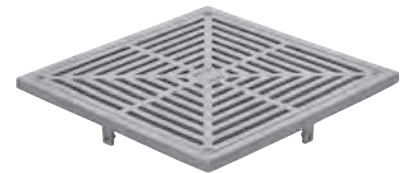
Option U
863-U



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

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



861-23XF



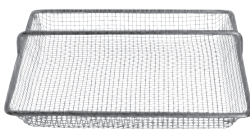
861-23X



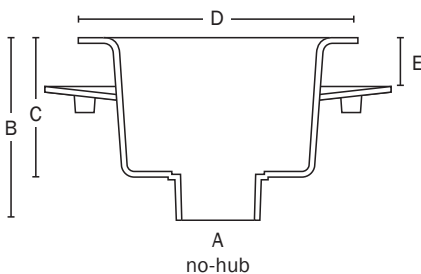
Option D / 861-AD



Option N2 / 861-52iN



Option W / 861-UMi



Options: Add letter suffix. Add price to list.

i	Full ARE cast iron grate	\$35.00
i2	Open-half ARE cast iron grate	\$35.00
i3	Open-quarter ARE cast iron grate	\$35.00
N	Full nickel bronze grate	\$375.00
N2	Open-half nickel bronze grate	\$250.00
N3	Open-quarter nickel bronze grate	\$315.00
W	Stainless steel debris basket	\$40.00
D	Aluminum dome bottom strainer	\$13.25
C	Clamping collar with bolts ¹	\$40.00

¹ For use with flanged floor sink.

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

SUPPLY

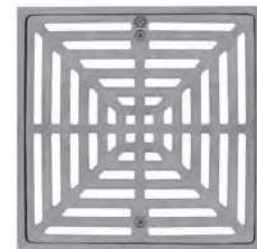
DRAINAGE

SUPPORT

APPENDIX



Option D / 861-AD

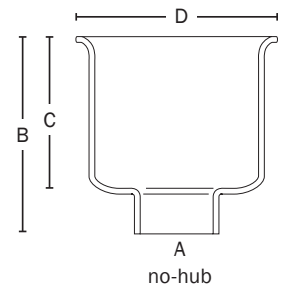


Option N / 861-58iN

Options: Add letter suffix. Add price to list.

i	Full ARE cast iron grate	\$25.00
i2	Open-half ARE cast iron grate	\$25.00
i3	Open-quarter ARE cast iron grate	\$25.00
N	Full nickel bronze grate	\$215.00
N2	Open-half nickel bronze grate	\$160.00
N3	Open-quarter nickel bronze grate	\$190.00
D	Aluminum dome bottom strainer	\$13.25

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
NEW 861-582iN	Open-half grate, nickel bronze				B	1	1
NEW 861-583iN	Open-quarter grate, nickel bronze				B	1	1
NEW 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



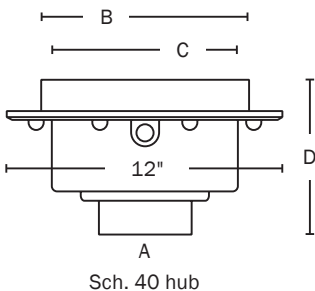


860-W3P

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



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"	9⅜"	7⅜"	B*	1	4
860-W3PN	3 × 4"	9¾"	9⅜"	7⅜"	B*	1	4
860-W4PN	4"	9¾"	9⅜"	7⅜"	B*	1	4
WITH STAINLESS STEEL RING & STRAINER							
860-W2PZ	2"	9¾"	9⅜"	7⅜"	B*	1	4
860-W3PZ	3 × 4"	9¾"	9⅜"	7⅜"	B*	1	4
860-W4PZ	4"	9¾"	9⅜"	7⅜"	B*	1	4
WITH CAST IRON RING & STRAINER							
860-W2Pi	2"	9⅜"	8½"	6⅜"	B*	1	2
860-W3Pi	3 × 4"	9⅜"	8½"	6⅜"	B*	1	2
860-W4Pi	4"	9⅜"	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



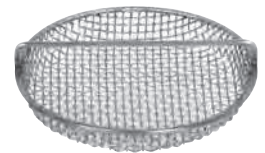
Option 2 / 860-RGN2



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

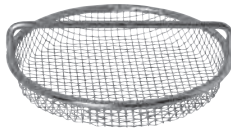
Little Max™

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

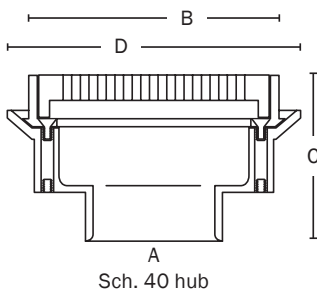
Options: Add letter suffix. Add price to list.

V	Vandal-resistant screws	\$8.00
T	Tapped 1/2" FIP for trap primer	\$6.00
S	Sand bucket installed	\$8.50
U	Stainless steel debris basket for sump area	\$30.00
2	Open-half strainer installed	\$12.00
3	Open-quarter strainer installed	\$14.00
X	Drain body & ring/collar without strainer	-\$10.00

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



A
Sch. 40 hub

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

NEW Cast Iron Round Floor Sink

9" Diameter – No-Hub Connection

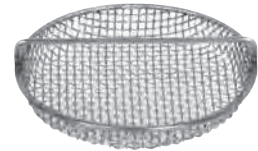
- Acid-resistant porcelain enamel coating (ARE)
- Perfect for high heat discharge applications



860-293Xi2



Option N2 / 860-RGN2



Option W / 860-UM



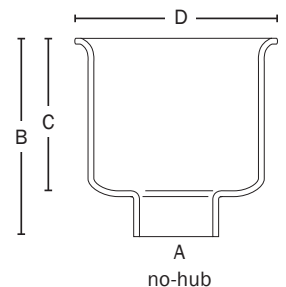
Option D / 861-AD

Options: Add letter suffix. Add price to list.

i	Full ARE cast iron grate	\$24.50
i2	Open-half ARE cast iron grate	\$24.50
i3	Open-quarter ARE cast iron grate	\$24.50
N	Full nickel bronze grate	\$200.75
N2	Open-half nickel bronze grate	\$175.75
N3	Open-quarter nickel bronze grate	\$188.75
S	Full 304 stainless steel grate	\$200.75
S2	Open-half 304 stainless steel grate	\$175.75
S3	Open-quarter 304 stainless steel grate	\$188.75
W	Stainless steel debris basket	\$35.00
D	Aluminum dome bottom strainer	\$13.25

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

SUPPLY

DRAINAGE

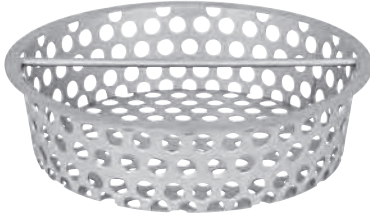
SUPPORT

APPENDIX

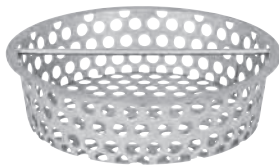
Fat Max™

Round Stainless Steel Floor Sink

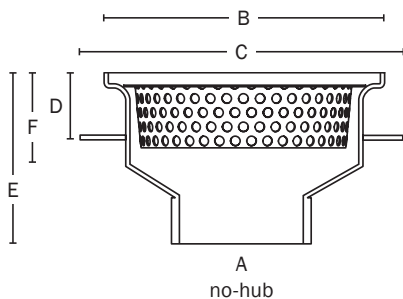
- All-stainless construction – body, strainer and debris bucket are 304 stainless steel
- Smooth, seamless sump area with bead-blasted finish is suitable for use in commercial/restaurant kitchens, health care facilities or food processing plants
- Other typical applications include breweries, chemical/textile plants, dairies or laboratories



860-4SS



860-3SS



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									
NEW 860-3SSS	Strainer only for 860-3SS						B	1	1
NEW 860-4SSS	Strainer only for 860-4SS						B	1	1



FLASHING DRAINS

FINISH LINE™

STANDARD FLASHING DRAINS

HALO™

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Finish Line™

Adjustable Flashing Drain

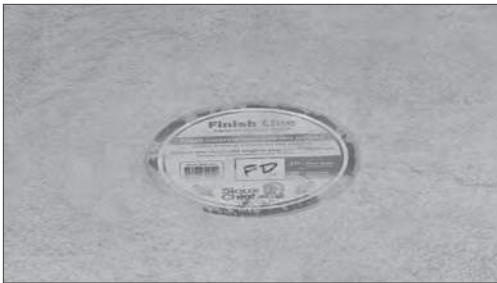
Patent #7,735,512

The Finish Line™ allows for adjustment of the drain AFTER the pour. Achieve a perfect finish for every drain 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 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

SUPPLY

DRAINAGE

SUPPORT

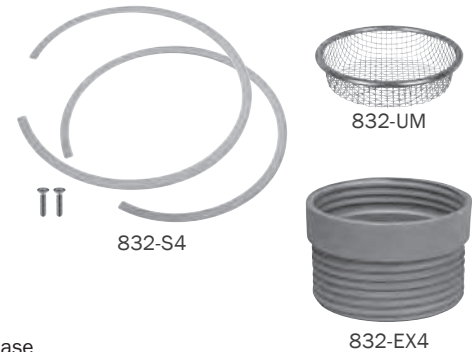
APPENDIX

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- H** Hinged strainer ¹ \$12.00
- E** Extended ring ² \$60.00
- B** Complies with Buy American Act ² \$47.50
- M** Medium-duty strainer (3,000 lbs. safe-load) ³ \$30.00



Option H
Hinged Strainer



832-S4

832-UM

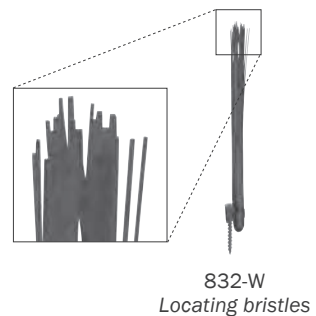
832-EX4



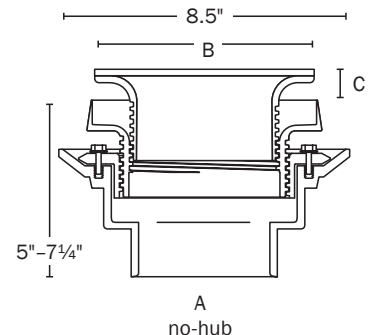
832-4HHD

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							
832-4DHNH	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
832-4HDH	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 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-W
Locating bristles



5"-7¼"

A
no-hub



833-235DSR

Finish Line™

Adjustable Flashing Drain
Cast Iron No-Hub Connection
Ductile on Cast – Small Head

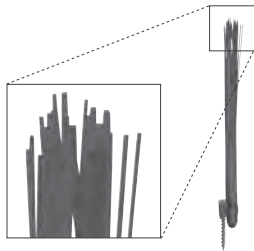
- Adjustable AFTER the pour
- Cast iron base adapter with ductile iron clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



832-S3



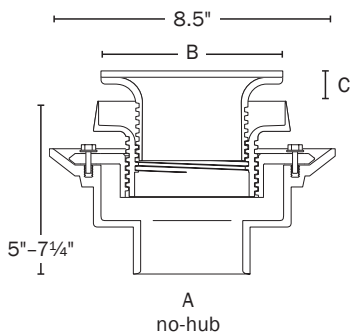
863-FA



832-W
Locating bristles



832-3HHD



- Options:** Add letter suffix. Add price to list.
- V** Vandal-resistant screws \$5.00
 - B** Complies with Buy American Act ¹ \$47.50
 - E** Extended ring ¹ \$60.00

¹ Only available for round nickel bronze ring & strainer.

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							
832-3DHR	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							
NEW 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

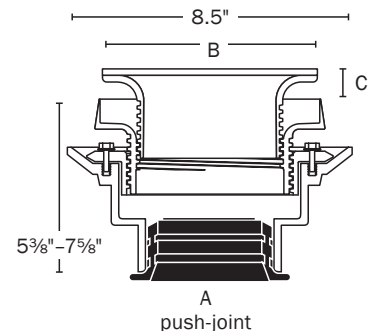
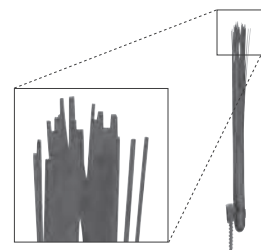
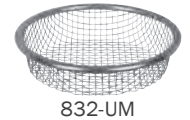
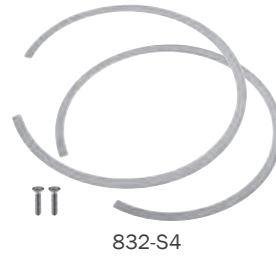
Options: Add letter suffix. Add price to list.

V	Vandal-resistant screws	\$5.00
H	Hinged strainer ¹	\$12.00
E	Extended ring ²	\$60.00
B	Complies with Buy American Act ²	\$47.50
P	Push-joint gasket to fit Sch. 40 ABS/PVC pipe ³	\$3.00
M	Medium-duty strainer (3,000 lbs. safe-load) ⁴	\$30.00

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.



833-63DNQ



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
832-4DHHD	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 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

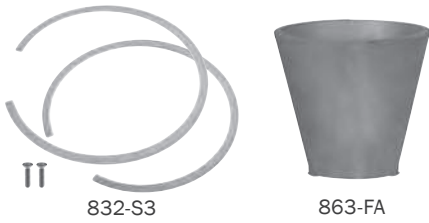
SUPPORT

APPENDIX

NEW
NEW
NEW

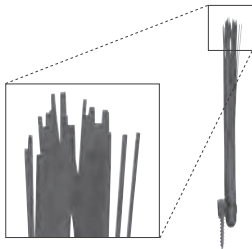


833-625DNQ



832-S3

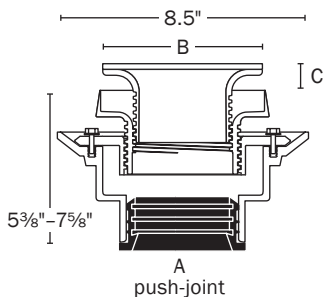
863-FA



832-W
Locating bristles



832-3HHD



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

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- B** Complies with Buy American Act ¹ \$47.50
- E** Extended ring ¹ \$60.00
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ² \$3.00

¹ Only available for round nickel bronze ring & strainer.
² Only available for 3" drains.

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							
832-3DHR	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							
NEW 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

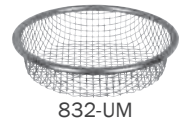
- Adjustable AFTER the pour
- Cast iron base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



833-23NR



832-S4



832-UM



832-EX4



832-4HHD



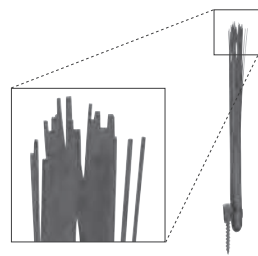
Option H
Hinged Strainer

Options: Add letter suffix. Add price to list.

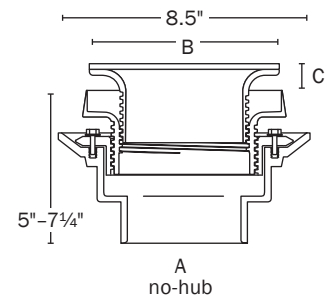
- V** Vandal-resistant screws \$5.00
- H** Hinged strainer \$12.00
- E** Extended ring¹ \$60.00
- B** Complies with Buy American Act¹ \$47.50

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



A
no-hub

SUPPLY

DRAINAGE

SUPPORT

APPENDIX





833-235NQ

Finish Line™

Adjustable Flashing Drain
Cast Iron No-Hub Connection
ABS on Cast – Small Head

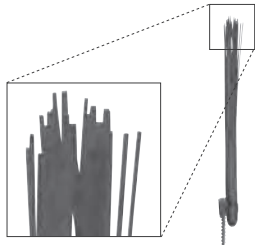
- Adjustable AFTER the pour
- Cast iron base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



832-S3



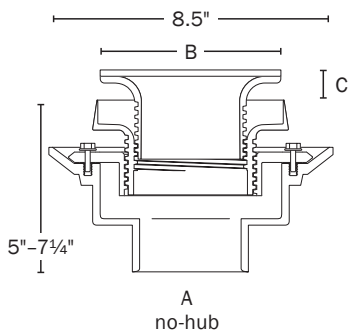
863-FA



832-W
Locating bristles



832-3HHD



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- B** Complies with Buy American Act ¹ \$47.50
- E** Extended ring ¹ \$60.00

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							
NEW 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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Options: Add letter suffix. Add price to list.

- V Vandal-resistant screws \$5.00
- H Hinged strainer \$12.00
- E Extended ring ¹ \$60.00
- B Complies with Buy American Act ¹ \$47.50
- NEW** P Push-joint gasket to fit Sch. 40 ABS/PVC pipe ² \$3.00

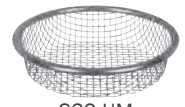


Option E
Extended Ring

¹ Only available for round nickel bronze ring and strainer.
² Not available for 2" drains.



832-S4



832-UM

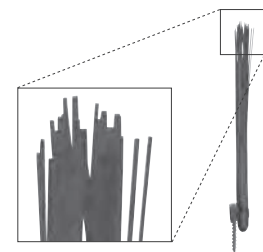


832-EX4

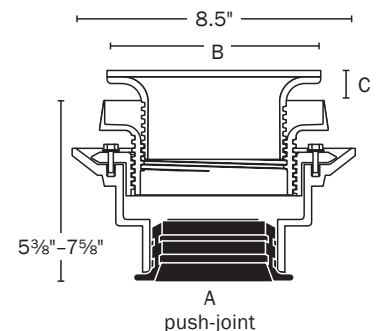


832-4HHD

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
832-4DHHHD	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

Finish Line™

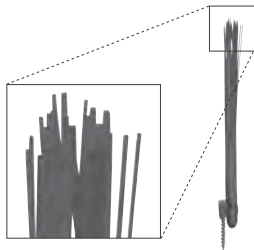
Adjustable Flashing Drain
Cast Iron Push-Joint Connection
ABS on Cast – Small Head

- 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



832-S3

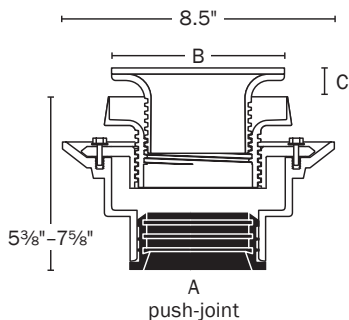
863-FA



832-W
Locating bristles



832-3HHD



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- B** Complies with Buy American Act ¹ \$47.50
- E** Extended ring ¹ \$60.00
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ² \$3.00

¹ Only available for round nickel bronze ring and strainer.
² Only available for 3" drains.

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							
NEW 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

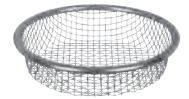
- Adjustable AFTER the pour
- ABS/PVC base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



833-3PNR



832-S4



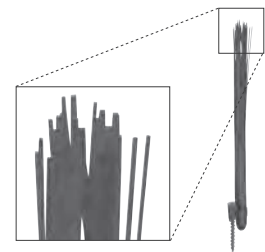
832-UM



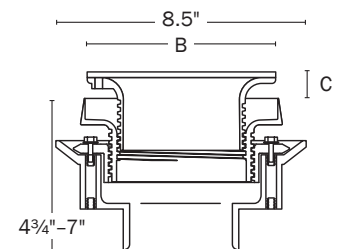
832-EX4



832-4HHD



832-W
Locating bristles



Sch. 40 hub

Options: Add letter suffix. Add price to list.

- | | |
|--|---------|
| V Vandal-resistant screws | \$5.00 |
| H Hinged strainer | \$12.00 |
| E Extended ring ¹ | \$60.00 |
| B Complies with Buy American Act ¹ | \$47.50 |



Option H
Hinged Strainer

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 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



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



833-35PNQ

Finish Line™

Adjustable Flashing Drain
Sch. 40 Hub Connection – Small Head

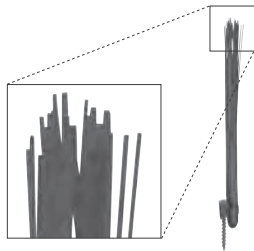
- Adjustable AFTER the pour
- ABS/PVC base adapter with ABS clamping collar, coring sleeve, head adapter and poly coring plug
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas



832-S3



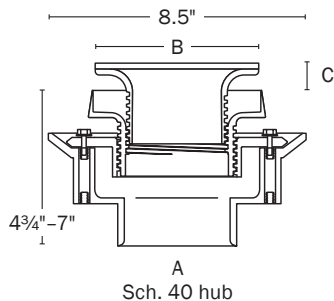
863-FA



832-W
Locating bristles



832-3HHD



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- B** Complies with Buy American Act ¹ \$47.50
- E** Extended ring ¹ \$60.00

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								
833-25PF	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								
NEW 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 ¾" 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



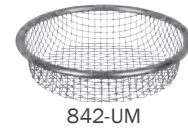
863-23NR



863-23NQ



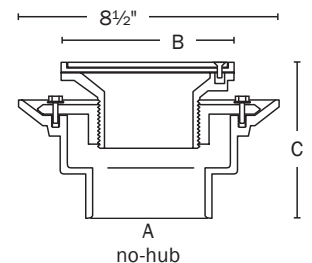
863-23i



842-UM



863-FA



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws ¹ \$5.00
- H** Hinged strainer ¹ \$12.00
- Y** Ductile iron head adapter in place of ABS \$20.00
- D** Ductile iron clamping collar in place of ABS \$20.00
- E** Extended ring ² \$60.00
- B** Complies with Buy American Act ² \$47.50
- M** Medium-duty strainer (3,000 lbs. safe-load) \$30.00



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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



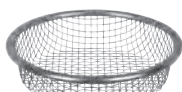
863-63NR



863-63NQ



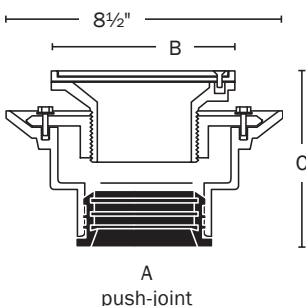
863-63i



842-UM



863-FA



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

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws ¹ \$5.00
- H** Hinged strainer ¹ \$12.00
- Y** Ductile iron head adapter in place of ABS \$20.00
- D** Ductile iron clamping collar in place of ABS \$20.00
- E** Extended ring ² \$60.00
- B** Complies with Buy American Act ² \$47.50
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe ³ \$3.00
- M** Medium-duty strainer (3,000 lbs. safe-load) \$30.00



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"	5⅝"-6⅞"	B*	1	3
863-63NR	3"	6½"	5⅝"-6⅞"	B*	1	2
863-64NR	4"	6½"	5⅝"-6⅞"	B*	1	2
ROUND STAINLESS STEEL RING & STRAINER						
863-62SR	2"	6½"	5⅝"-6⅞"	B*	1	3
863-63SR	3"	6½"	5⅝"-6⅞"	B*	1	2
863-64SR	4"	6½"	5⅝"-6⅞"	B*	1	2
SQUARE NICKEL BRONZE RING & STRAINER						
863-62NQ	2"	7"	5⅝"-6⅞"	B*	1	2
863-63NQ	3"	7"	5⅝"-6⅞"	B*	1	2
863-64NQ	4"	7"	5⅝"-6⅞"	B*	1	2
SQUARE STAINLESS STEEL RING & STRAINER						
863-62SQ	2"	7"	5⅝"-6⅞"	B*	1	2
863-63SQ	3"	7"	5⅝"-6⅞"	B*	1	2
863-64SQ	4"	7"	5⅝"-6⅞"	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						
NEW 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

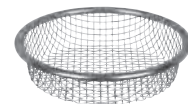
- ABS/PVC base adapter with ABS clamping collar and head adapter
- Acme threads are stronger than pipe threads and prevent cross-threading
- Ductile iron head/collar available
- Nickel bronze and stainless steel strainers for use in pedestrian traffic areas
- Cast iron strainers for use in heavy-duty applications



863-43NR



863-425i



842-UM



863-FA



Option E
Extended Ring

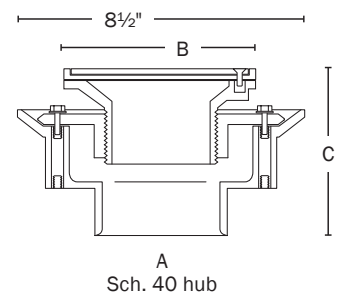
Options: Add letter suffix. Add price to list.

V	Vandal-resistant screws ¹	\$5.00
H	Hinged strainer ²	\$12.00
Y	Ductile iron head adapter in place of ABS	\$20.00
D	Ductile iron clamping collar in place of ABS	\$20.00
T	Tapped 1/2" FIP for trap primer with plug	\$8.00
E	Extended ring ³	\$60.00
B	Complies with Buy American Act ³	\$47.50
M	Medium-duty strainer (3,000 lbs. safe-load) ⁴	\$30.00

NEW

- ¹ Not available on cast iron strainers
- ² Available for 6 1/2" nickel bronze and stainless steel strainers
- ³ Available for nickel bronze ring and strainer
- ⁴ Only available for round 304 SS ring & strainer

PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
NICKEL BRONZE RING & STRAINER							
863-425NR	863-325NR	2"	5 1/2"	4 3/8"-6 3/8"	B*	1	6
863-42NR	863-32NR	2"	6 1/2"	4 1/2"-6 1/2"	B*	1	6
863-435NR	863-335NR	3"	5 1/2"	4 3/8"-6 3/8"	B*	1	6
863-43NR	863-33NR	3"	6 1/2"	4 1/2"-6 1/2"	B*	1	6
863-445NR	863-345NR	4"	5 1/2"	4 3/8"-6 3/8"	B*	1	6
863-44NR	863-34NR	4"	6 1/2"	4 1/2"-6 1/2"	B*	1	6
304 STAINLESS STEEL RING & STRAINER							
863-425SR	863-325SR	2"	5 1/2"	4 3/8"-6 3/8"	B*	1	6
863-42SR	863-32SR	2"	6 1/2"	4 1/2"-6 1/2"	B*	1	6
863-435SR	863-335SR	3"	5 1/2"	4 3/8"-6 3/8"	B*	1	6
863-43SR	863-33SR	3"	6 1/2"	4 1/2"-6 1/2"	B*	1	6
863-44SR	863-34SR	4"	6 1/2"	4 1/2"-6 1/2"	B*	1	6
CAST IRON RING & STRAINER							
863-425i	863-325i	2"	6 1/8"	4 7/8"-6 7/8"	B*	1	2
863-42i	863-32i	2"	6 5/8"	5 1/8"-7 1/8"	B*	1	2
863-43i	863-33i	3"	6 5/8"	5 1/8"-7 1/8"	B*	1	2
863-44i	863-34i	4"	6 5/8"	5 1/8"-7 1/8"	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 3/8" stainless steel debris basket (use with larger head only)				B*	1	1



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



863-43NQ

Flashing Drain Sch. 40 Hub Connection

Square Pattern Ring and Strainer

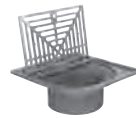
- ABS/PVC base adapter with ABS clamping collar and head adapter
- Acme threads are stronger than pipe threads and prevent cross-threading
- Ductile iron head/collar available
- Square strainer is perfect for floor tile
- For use in pedestrian traffic areas



842-UM



863-FA

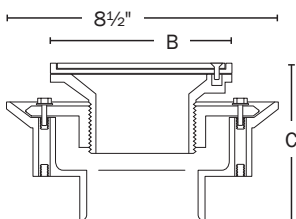


Option H

Hinged Strainer ¹ Available for 7" nickel bronze and stainless steel strainers.

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- H** Hinged strainer ¹ \$12.00
- Y** Ductile iron head adapter in place of ABS \$20.00
- D** Ductile iron clamping collar in place of ABS \$20.00
- T** Tapped 1/2" FIP for trap primer with plug \$8.00



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 ¾" 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.



822-M3DNR



822-F3DSR

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Options: Add letter after dash in item number. Add prices to list.
NEW M Clamping collar kit \$15.00

Options: Add letter suffix. Add price to list.
NEW V Vandal-resistant screws \$5.00
NEW B Complies with Buy American Act ¹ \$47.50
NEW E Extended ring ¹ \$60.00
NEW 9 90 deg. side outlet connection \$10.00

¹ Only available for round nickel bronze ring and strainer.



Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
HALO DRAIN							
822-2DNR	Round nickel bronze	2"	5½"	0"-¾"	B	1	4
822-2DSR	Round 304 stainless	2"	5½"	0"-¾"	B	1	4
822-2DNQ	Square nickel bronze	2"	5⅞"	5/16"-¾"	B	1	4
822-2DSQ	Square 304 stainless	2"	5⅞"	5/16"-¾"	B	1	4
822-3DNR	Round nickel bronze	3"	5½"	0"-¾"	B	1	4
822-3DSR	Round 304 stainless	3"	5½"	0"-¾"	B	1	4
822-3DNQ	Square nickel bronze	3"	5⅞"	5/16"-¾"	B	1	4
822-3DSQ	Square 304 stainless	3"	5⅞"	5/16"-¾"	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							
832-3DHNR	Round nickel bronze	—	5½"	1"-2"	B	1	1
832-3DHSR	Round 304 stainless	—	5½"	1"-2"	B	1	1
832-3DHNQ	Square nickel bronze	—	5⅞"	1½/16"-2"	B	1	1
832-3DHSQ	Square 304 stainless	—	5⅞"	1½/16"-2"	B	1	1
FINISH LINE HALO COMPLETE ASSEMBLY							
822-F2DNR	Round nickel bronze	2"	5½"	1"-2"	B*	1	1
822-F2DSR	Round 304 stainless	2"	5½"	1"-2"	B*	1	1
822-F2DNQ	Square nickel bronze	2"	5⅞"	1½/16"-2"	B*	1	1
822-F2DSQ	Square 304 stainless	2"	5⅞"	1½/16"-2"	B*	1	1
822-F3DNR	Round nickel bronze	3"	5½"	1"-2"	B*	1	1
822-F3DSR	Round 304 stainless	3"	5½"	1"-2"	B*	1	1
822-F3DNQ	Square nickel bronze	3"	5⅞"	1½/16"-2"	B*	1	1
822-F3DSQ	Square 304 stainless	3"	5⅞"	1½/16"-2"	B*	1	1
ACCESSORIES							
832-S3	Shim kit for Finish Line Halo: two shims, two ¾" 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



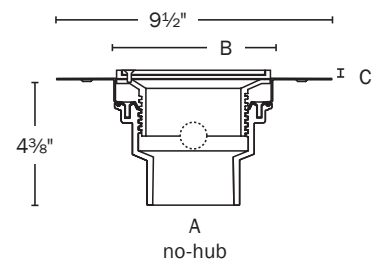
832-S3



822-EX3



863-FA



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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.



822-3PNR



822-MF3PNR

NEW

Options: Add letter after dash in item number. Add prices to list.
M Clamping collar kit \$15.00

Options: Add letter suffix. Add price to list.
V Vandal-resistant screws \$5.00
B Complies with Buy American Act ¹ \$47.50
E Extended ring ¹ \$60.00

¹ Only available for round nickel bronze ring and strainer.



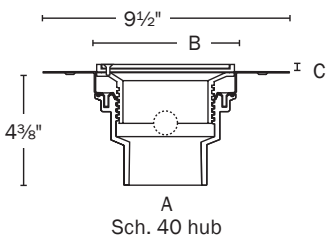
832-S3



822-EX3



863-FA



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" × 3"	5 1/2"	0"–3/4"	B	1	4
822-2PSR	822-2ASR	Round 304 stainless	2" × 3"	5 1/2"	0"–3/4"	B	1	4
822-2PS	822-2AS	Round 18-ga. stainless	2" × 3"	5 1/2"	0–1/2"	B	1	4
822-2PNQ	822-2ANQ	Square nickel bronze	2" × 3"	5 7/8"	5/16"–3/4"	B	1	4
822-2PSQ	822-2ASQ	Square 304 stainless	2" × 3"	5 7/8"	5/16"–3/4"	B	1	4
822-3PNR	822-3ANR	Round nickel bronze	3" × 4"	5 1/2"	0–3/4"	B	1	4
822-3PSR	822-3ASR	Round 304 stainless	3" × 4"	5 1/2"	0–3/4"	B	1	4
822-3PS	822-3AS	Round 18-ga. stainless	3" × 4"	5 1/2"	0–1/2"	B	1	4
822-3PNQ	822-3ANQ	Square nickel bronze	3" × 4"	5 7/8"	5/16"–3/4"	B	1	4
822-3PSQ	822-3ASQ	Square 304 stainless	3" × 4"	5 7/8"	5/16"–3/4"	B	1	4
FINISH LINE HALO ROUGH-IN DRAIN								
822-2PF	822-2AF	(Coring plug)	2" × 3"	—	1"	B	1	4
822-3PF	822-3AF	(Coring plug)	3" × 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" × 3"	5 1/2"	1"–2"	B*	1	1
822-F2PSR	822-F2ASR	Round 304 stainless	2" × 3"	5 1/2"	1"–2"	B*	1	1
822-F2PNQ	822-F2ANQ	Square nickel bronze	2" × 3"	5 7/8"	1 5/16"–2"	B*	1	1
822-F2PSQ	822-F2ASQ	Square 304 stainless	2" × 3"	5 7/8"	1 5/16"–2"	B*	1	1
822-F3PNR	822-F3ANR	Round nickel bronze	3" × 4"	5 1/2"	1"–2"	B*	1	1
822-F3PSR	822-F3ASR	Round 304 stainless	3" × 4"	5 1/2"	1"–2"	B*	1	1
822-F3PNQ	822-F3ANQ	Square nickel bronze	3" × 4"	5 7/8"	1 5/16"–2"	B*	1	1
822-F3PSQ	822-F3ASQ	Square 304 stainless	3" × 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



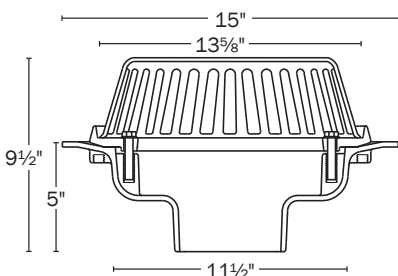
868-15S



868-15U



868-15SH



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

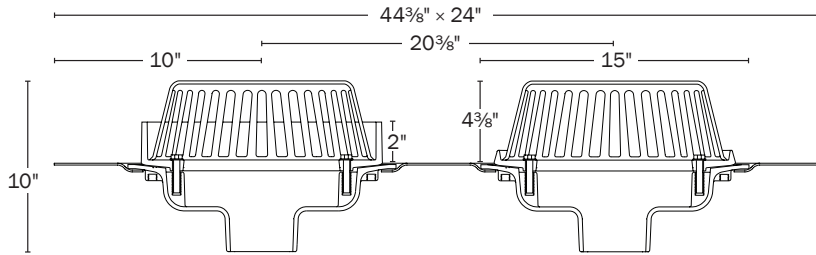
NEW

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

NEW 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

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

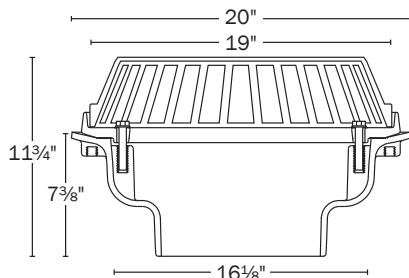


868-20U

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

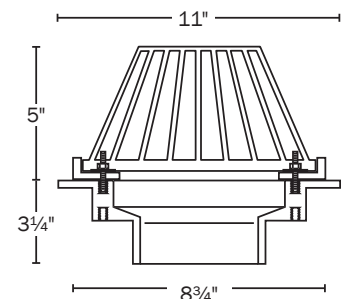
SUPPORT

APPENDIX

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

868 Series Solvent Weld Roof Drain

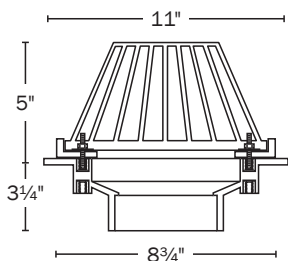
ABS or PVC Solvent Weld Connection

- 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: 11½" 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

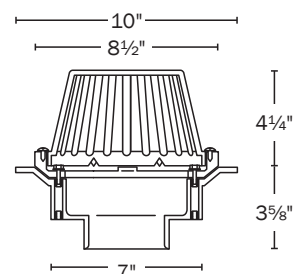
SUPPORT

APPENDIX

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



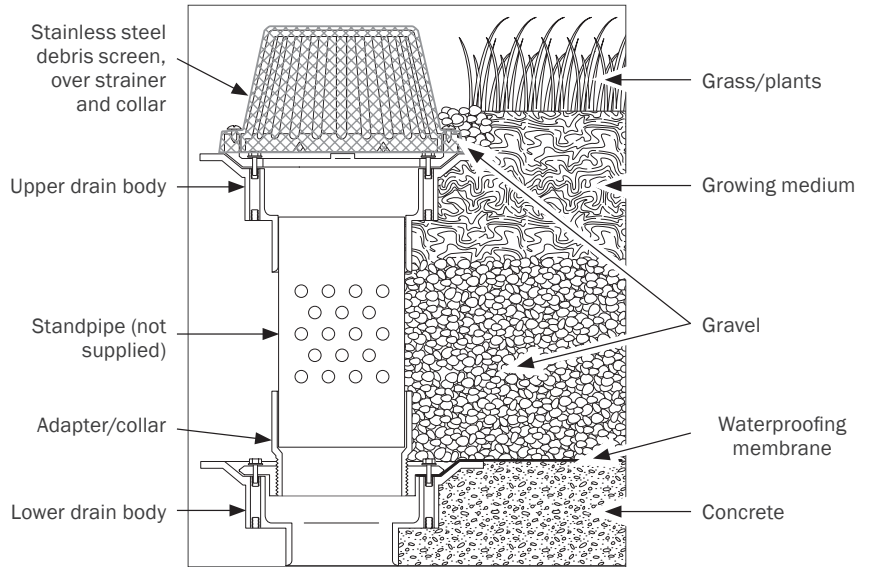


867-L3PP

Planter Area Drain

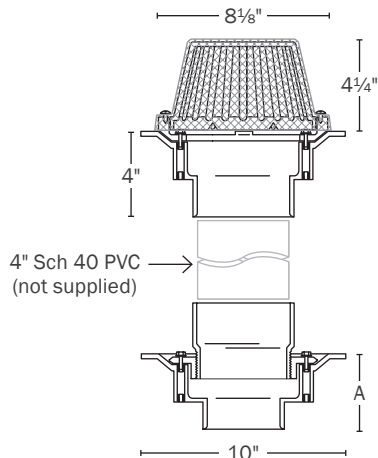
ABS or PVC Solvent Weld Connection

- 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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

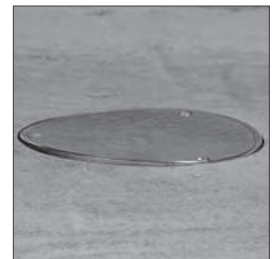


Base Adapter

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



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



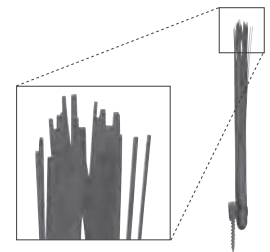
834-4DiR



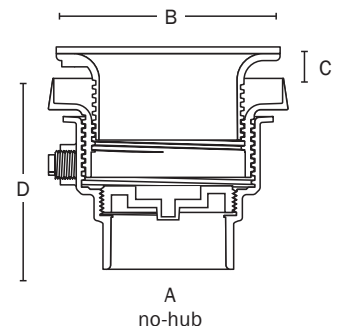
832-S4



832-EX4



832-W
Locating bristles



Options: Add letter suffix. Add price to list.

V Vandal-resistant screws	\$5.00
S Stamping: specify letters ¹	\$5.00
C Carpet marker	\$12.00
B Brass plug in place of polypro	\$10.00
Z Complies with Buy American Act ²	\$47.50

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			
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								
834-4DHiR	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
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

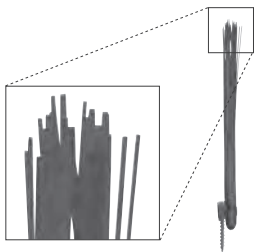


834-6DIR

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



Rough-in Cleanout
Base adapter, coring sleeve and coring plug



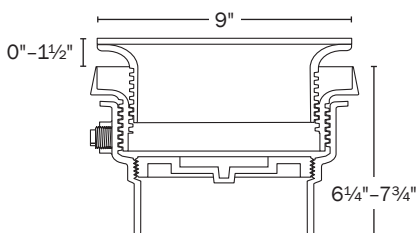
Finish Fixture
Head adapter, ring and cover



Complete Assembly
Includes rough-in cleanout and boxed finish fixture

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- B** Brass plug in place of polypro \$30.00



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
NEW 834-6DHNR	Ductile iron head adapter with nickel bronze ring & cover	B*	1	1
NEW 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
NEW 834-6DNR	6" no-hub cleanout with nickel bronze ring & cover	B*	1	1
NEW 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



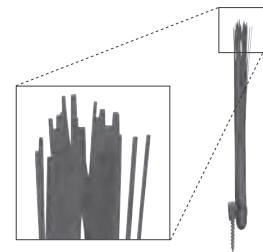
834-63DNQ



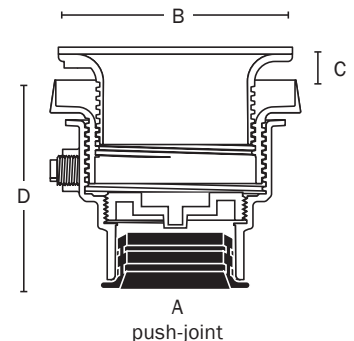
832-S4



832-EX4



832-W
Locating bristles



Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- S** Stamping: specify letters ¹ \$5.00
- C** Carpet marker \$12.00
- B** Brass plug in place of polypro \$10.00
- Z** Complies with Buy American Act ² \$47.50
- P** Push-joint gasket to fit Sch. 40 ABS/PVC pipe \$3.00

NEW

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

NEW

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



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

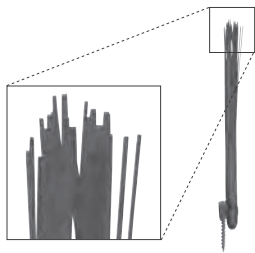


832-EX4

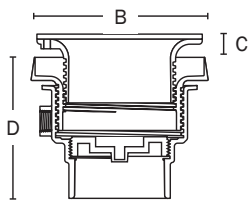
Options: Add letter suffix. Add price to list.

V Vandal-resistant screws	\$5.00
S Stamping: specify letters	\$5.00
C Carpet marker	\$12.00
Z Complies with Buy American Act ¹	\$47.50

¹ Only available on cleanouts with round nickel covers.



832-W
Locating bristles



Sch. 40 Hub

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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



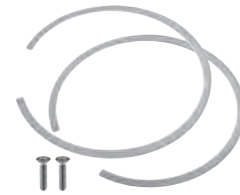
Rough-in Cleanout
Base adapter, coring sleeve and coring plug



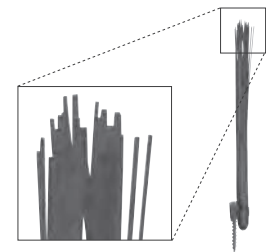
Finish Fixture
Head adapter, ring and cover



Complete Assembly
Includes rough-in cleanout and boxed finish fixture



832-S4

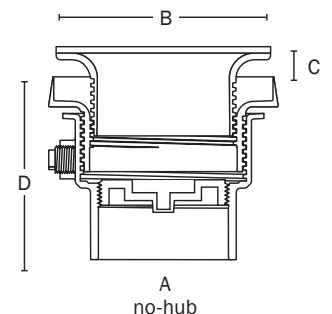


832-W
Locating bristles

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws \$5.00

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





852-4PNR



852-4PNQ



852-4Pi

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

SUPPLY

DRAINAGE

SUPPORT

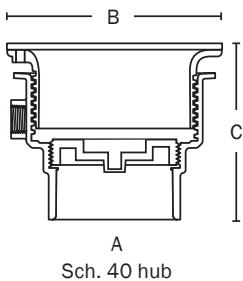
APPENDIX

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- S** Stamping: specify letters ¹ \$5.00
- C** Carpet marker \$12.00
- Z** Complies with Buy American Act ² \$47.50
- NEW Y** Ductile iron head adapter in place of ABS \$20.00

¹ Not available on ductile iron covers.

² Only available on cleanouts with round nickel covers.



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"	5½"-6¼"	B*	1	5
852-4PNR	852-4ANR	Ni-brnz	4" hub	6½"	5¾"-6½"	B*	1	10
852-3PSR	852-3ASR	304 SS	3" hub	6½"	5½"-6¼"	B*	1	5
852-4PSR	852-4ASR	304 SS	4" hub	6½"	5¾"-6½"	B*	1	10
852-3Pi	852-3Ai	Iron	3" hub	6½"	5½"-6¼"	B*	1	2
852-4Pi	852-4Ai	Iron	4" hub	6½"	5¾"-6½"	B*	1	2
852-3PTR	852-3ATR	Tenz	3" hub	6½"	5½"-6¼"	B*	1	5
852-4PTR	852-4ATR	Tenz	4" hub	6½"	5¾"-6½"	B*	1	10
SQUARE PATTERN RING AND COVER								
852-3PNQ	852-3ANQ	Ni-brnz	3" hub	6⅝"	5½"-6¼"	B*	1	2
852-4PNQ	852-4ANQ	Ni-brnz	4" hub	6⅝"	5¾"-6½"	B*	1	2
852-3PSQ	852-3ASQ	304 SS	3" hub	6⅝"	5½"-6¼"	B*	1	2
852-4PSQ	852-4ASQ	304 SS	4" hub	6⅝"	5¾"-6½"	B*	1	2

Adjustable Cleanout ABS MIP Thread

Nickel Bronze, Stainless Steel or Cast Iron
Ring and Cover

- Nickel bronze, stainless steel, tenz alloy 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 \$5.00
- S** Stamping: specify letters ¹ \$5.00

¹ Not available on cast iron covers.

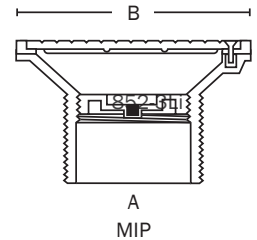
Item No	Ring & Cover	Dimensions			Pkg	Min Qty	Case Qty
		A	B	Plug			
ROUND PATTERN RING & COVER							
852-2LNR	Ni-brnz	2" MIP	4½"	1½"	B*	1	10
852-3LNR	Ni-brnz	3" MIP	5½"	2½"	B*	1	10
852-4LNR	Ni-brnz	4" MIP	6½"	3½"	B*	1	10
852-4LNRPK	Ni-brnz	4" MIP	6½"	3½"	C*	5	5
852-3LSR	304 SS	3" MIP	5½"	2½"	B*	1	10
852-4LSR	304 SS	4" MIP	6½"	3½"	B*	1	10
852-3Li	Iron	3" MIP	6½"	2½"	B*	1	2
852-4Li	Iron	4" MIP	6½"	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	5½"	2½"	B*	1	5
852-4LNQ	Ni-brnz	4" MIP	7"	3½"	B*	1	1
852-3LSQ	304 SS	3" MIP	5½"	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

Options: Add letter suffix. Add price to list.

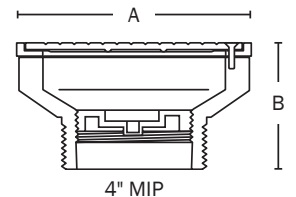
- V** Vandal-resistant screws \$5.00
- S** Stamping: specify letters ¹ \$5.00

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"	2¾"	B*	1	2
SQUARE NICKEL BRONZE RING AND COVER					
852-4iLNQ	7"	2¾"	B*	1	2
CAST IRON RING AND COVER					
852-4iLi	6½"	3½"	B*	1	2



852-4iLNR



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



822-C3DSR



822-CF3DNQ

NEW 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



832-S3

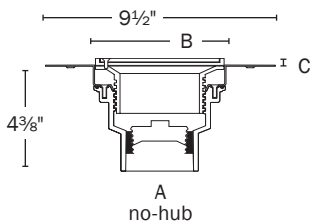


822-EX3

Options: Add letter suffix. Add price to list.

- V** Vandal-resistant screws \$5.00
- S** Stamping: specify letters \$5.00
- C** Carpet marker \$12.00
- Z** Complies with Buy American Act ¹ \$47.50

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

NEW Halo™ Cleanout

Adjustable Cleanout with Deck Flange
Sch. 40 Connection

- 3" hub or inside 4" connections available
- Head adjusts up to ¾" 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-C3PNQ



822-CF3PSR

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws	\$5.00
S Stamping; specify letters	\$5.00
C Carpet marker	\$12.00
Z Complies with Buy American Act ¹	\$47.50

¹ Only available for round nickel bronze ring and strainer.

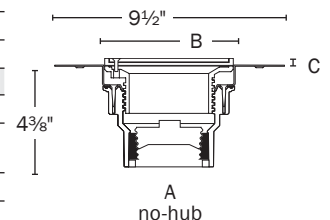
PVC Item No	ABS Item No	Ring & Strainer	Dimensions			Pkg	Min Qty	Case Qty
			A	B	C			
HALO CLEANOUT								
822-C3PNR	822-C3ANR	Round nickel bronze	3" hub	5½"	0"-¾"	B*	1	1
822-C3PSR	822-C3ASR	Round 304 stainless	3" hub	5½"	0"-¾"	B*	1	4
822-C3PNQ	822-C3ANQ	Square nickel bronze	3" hub	5⅞"	5/16"-¾"	B*	1	1
822-C3PSQ	822-C3ASQ	Square 304 stainless	3" hub	5⅞"	5/16"-¾"	B*	1	4
822-C4PNR	822-C4ANR	Round nickel bronze	inside 4"	5½"	0"-¾"	B*	1	1
822-C4PSR	822-C4ASR	Round 304 stainless	inside 4"	5½"	0"-¾"	B*	1	4
822-C4PNQ	822-C4ANQ	Square nickel bronze	inside 4"	5⅞"	5/16"-¾"	B*	1	4
822-C4PSQ	822-C4ASQ	Square 304 stainless	inside 4"	5⅞"	5/16"-¾"	B*	1	4
FINISH LINE HALO ROUGH-IN CLEANOUT								
822-C3PF	822-C3AF	(Coring plug)	3" hub	8¼"	1"	B*	1	4
822-C4PF	822-C4AF	(Coring plug)	inside 4"	8¼"	1"	B*	1	4
FINISH LINE HALO FINISH FIXTURE								
834-3HNR		Round nickel bronze	—	5½"	—	B*	1	1
834-3HSR		Round 304 stainless	—	5½"	—	B*	1	1
834-3HNQ		Square nickel bronze	—	5⅞"	—	B*	1	1
834-3HSQ		Square 304 stainless	—	5⅞"	—	B*	1	1
FINISH LINE HALO COMPLETE ASSEMBLY								
822-CF3PNR	822-CF3ANR	Round nickel bronze	3" hub	5½"	1"-2"	B*	1	1
822-CF3PSR	822-CF3ASR	Round 304 stainless	3" hub	5½"	1"-2"	B*	1	1
822-CF3PNQ	822-CF3ANQ	Square nickel bronze	3" hub	5⅞"	1 5/16"-2"	B*	1	1
822-CF3PSQ	822-CF3ASQ	Square 304 stainless	3" hub	5⅞"	1 5/16"-2"	B*	1	1
822-CF4PNR	822-CF4ANR	Round nickel bronze	inside 4"	5½"	1"-2"	B*	1	1
822-CF4PSR	822-CF4ASR	Round 304 stainless	inside 4"	5½"	1"-2"	B*	1	1
822-CF4PNQ	822-CF4ANQ	Square nickel bronze	inside 4"	5⅞"	1 5/16"-2"	B*	1	1
822-CF4PSQ	822-CF4ASQ	Square 304 stainless	inside 4"	5⅞"	1 5/16"-2"	B*	1	1
ACCESSORIES								
832-S3	—	Shim kit for Finish Line Halo: two shims, two ¾" 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

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SUPPLY

DRAINAGE

SUPPORT

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851-44N



851-44i

Adjustable Cleanout Solvent Weld Connection

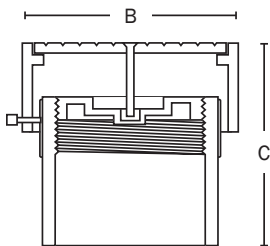
Nickel Bronze, Cast Iron or Tenzalloy Cover

- 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

Options: Add letter suffix. Add price to list.

V Vandal-resistant screws	\$5.00
S Stamping; specify letters ¹	\$5.00
C Carpet marker ¹	\$12.00

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"	4⅜"	3½"-4½"	3"	B*	1	2
851-44N	851-34N	4"	6"	3¾"-4¾"	4"	B*	1	2
851-46N	851-36N	6"	8⅝"	5½"-6¾"	6"	B*	1	2
TENZALLOY COVER								
851-43T	851-33T	3"	4⅜"	3½"-4½"	3"	B*	1	2
851-44T	851-34T	4"	6"	3¾"-4¾"	4"	B*	1	2
851-46T	851-36T	6"	8⅝"	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.

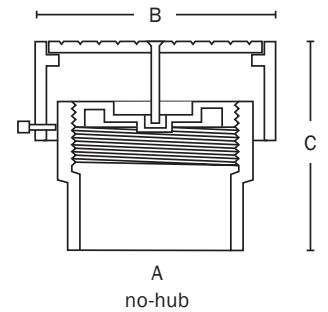
V Vandal-resistant screws	\$5.00
S Stamping: specify letters ¹	\$5.00
C Carpet marker ¹	\$12.00

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"	7⅞"	4"-6"	4"	B*	1	2



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	\$5.00
S Stamping: specify letters ¹	\$5.00
C Carpet marker ¹	\$12.00
NEW P Push-joint gasket to fit Sch. 40 ABS/PVC pipe ²	\$3.00

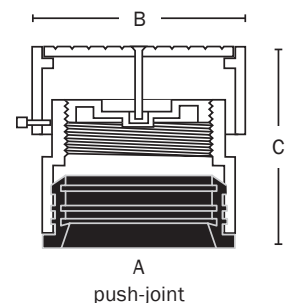
¹ Not available on cast iron covers.

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"	8⅜"	4¾"-6"	6"	B*	1	2
TENZALLOY COVER							
851-64T	4"	6"	4"-5¼"	4"	B*	1	2
851-66T	6"	8⅜"	4¾"-6"	6"	B*	1	2
CAST IRON COVER							
851-64i	4"	6"	5¼"-6½"	4"	B*	1	2
851-66i	6"	8⅜"	4¾"-6"	6"	B*	1	2



851-64N



SUPPLY

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850-4N



850-4i



850-234N

Adjustable Access Cover Set Screw Connection

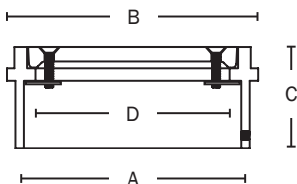
Nickel Bronze, Cast Iron or Tenzalloy Cover

- 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 \$5.00
- S** Stamping: specify letters ¹ \$5.00

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	5⅜"	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

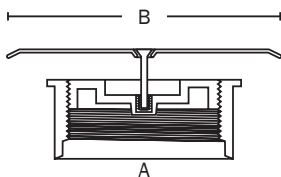


875-4P



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.

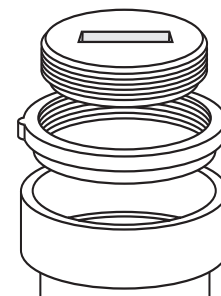
SUPPLY

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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

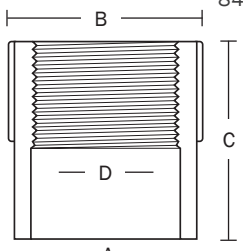
MISCELLANEOUS

SUPPLY



842-72P

DRAINAGE



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

PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
NEW 842-712P	842-712A	1½" × 2	2⅝"	2¾"	2" FIP	B	10	10
842-72P	842-72A	2"	2¾"	2½"	2" FIP	B*	5	5
842-73P	842-73A	3"	4"	3¾"	3" FIP	B*	5	5
842-74P	842-74A	4"	5"	3¾"	4" FIP	B*	10	10
842-76P	842-76A	6"	6½"	5⅝"	6" FIP	B*	8	8

SUPPORT

APPENDIX

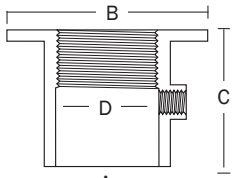
Trap Primer Adapter

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



842-82PT



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 "	3¾"	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

Fitting Socket Adapter

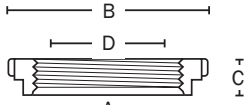
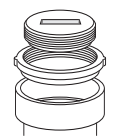
FIP Thread × Sch. 40 Spigot Connection

- Fits into Sch. 40 hub



842-92P

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

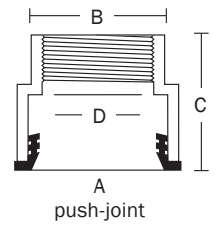
APPENDIX

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

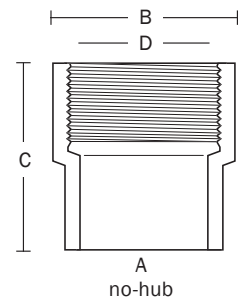
FIP Thread × No-Hub Connection

- 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



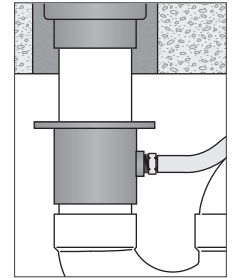


695-3P

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

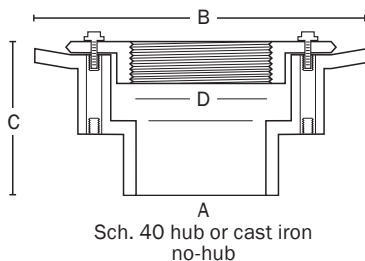
Flashing Drain Adapter

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.



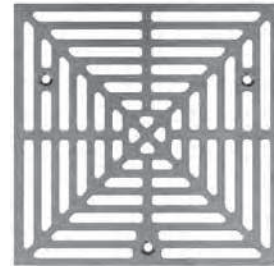
PVC Item No	ABS Item No	Dimensions				Pkg	Min Qty	Case Qty
		A	B	C	D			
ABS COLLAR - SCH. 40 CONNECTION								
863-HP23	863-HA23	2"	8 1/2"	3 3/4"	3" FIP	B*	1	10
863-HP33	863-HA33	3"	8 1/2"	3 3/4"	3" FIP	B*	1	10
863-HP34	863-HA34	3"	8 1/2"	3 3/4"	4" FIP	B*	1	10
863-HP43	863-HA43	4"	8 1/2"	3 3/4"	3" FIP	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

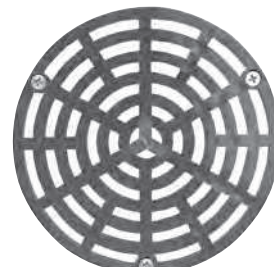
Fits: 822 Series, 832 Series, 833 Series,
842 Series, 843 Series, 844 Series,
863 Series



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

SUPPLY



867-HD



867-MD

DRAINAGE



868-HD



868-MD

SUPPORT



868-15CD

APPENDIX



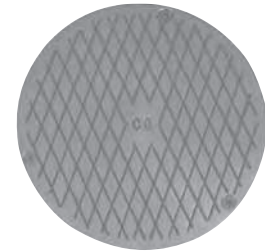
868-20CD

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

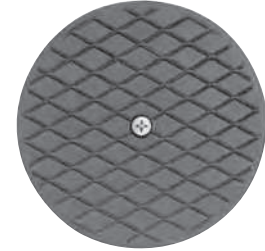
Replacement Covers for Cleanouts

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

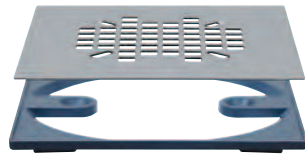
- TurboVent™
- Accessories

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



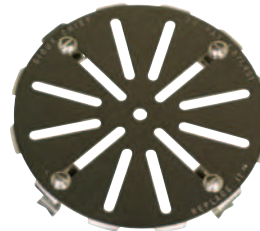
Weld One™ Integral Trap Drain
p 376



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



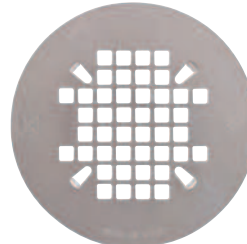
Raise-A-Ring™ Closet Flange Spacer Ring
p 389



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

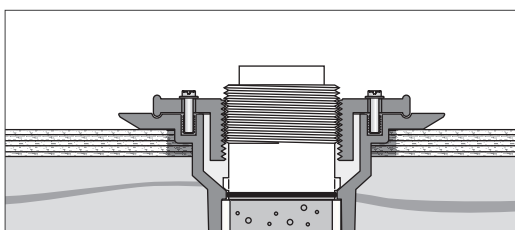
with Double Duty™ Test Plug

- 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

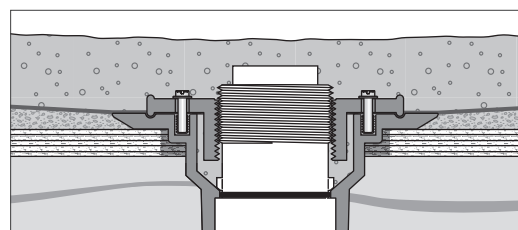


821-T200P

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



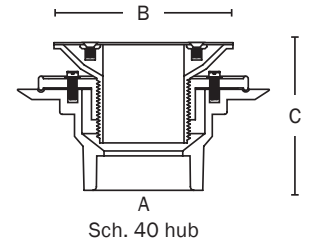
821-200P



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

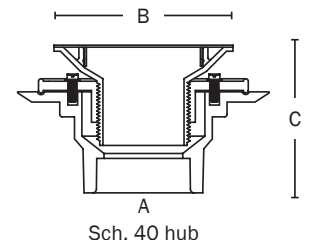


821-2780P



The new Round-to-Square Adapter easily converts 821 drains from round strainer to square. See pg 366

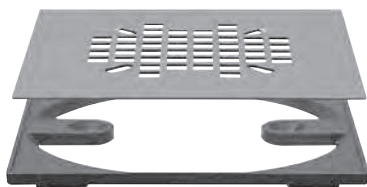
PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
PLASTIC STRAINER RIM							
821-270P	821-270A	2"	4 ³ / ₈ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	B*	20	20
NO STRAINER RIM							
821-2780P	821-2780A	2"	4 ¹ / ₄ "	3 ⁵ / ₈ "-5 ⁵ / ₈ "	B*	1	10



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



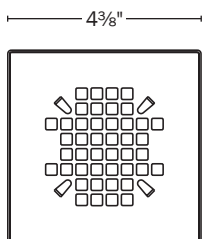
Remove the round stamped strainer from the 821 drain head



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

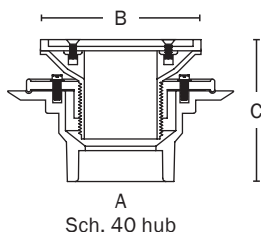
Cast Metal Ring and Strainer

- 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								
821-200PCR	821-200ACR	Round	2"	4 1/2"	3 15/16" - 5 15/16"	B*	5	5
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



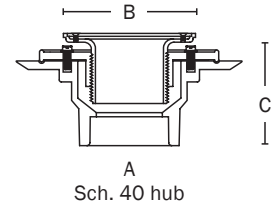
821-2PQCP

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

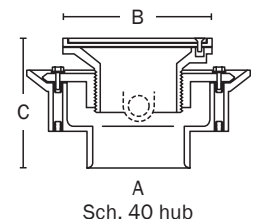
- For large tile showers and showers with multiple heads or body-spray options
- Larger head/strainer and 3" connection provides increased flow capacity



863-435NQ

NEW
NEW

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								
863-435CR	863-335CR	Round	3"	5 1/2"	4 3/8" - 6 3/8"	B*	1	6
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



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



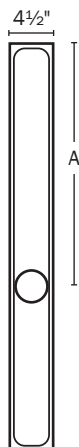
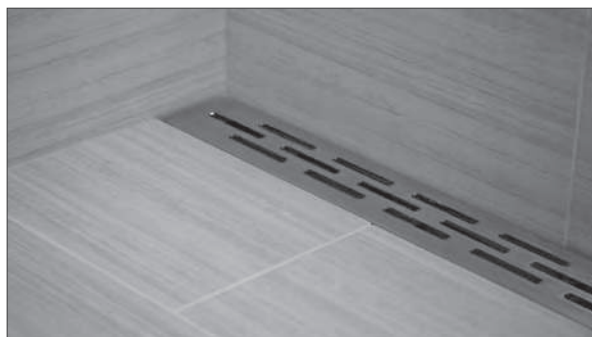
StreamLine™ drains combine sleek, contemporary design with exceptional reliability and simple installation.



Slotted Strainer Pattern



Pyramid Strainer Pattern



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

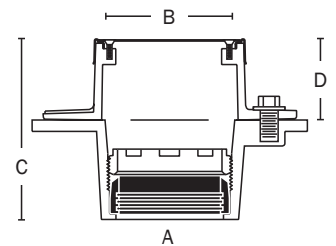
Screw-on Stainless Steel Strainer

- 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

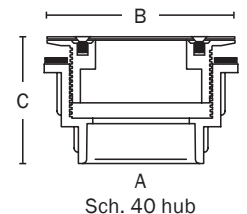
Screw-on Stainless Steel Strainer

- 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



Sch. 40 hub

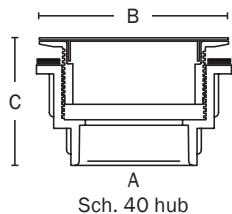


825-27P

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

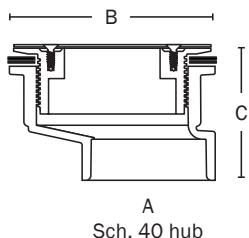
Offset Solvent Weld Shower Module Drain

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

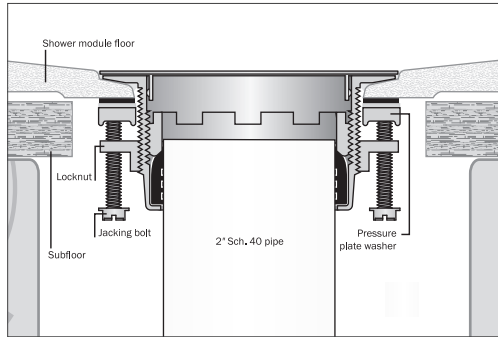


PVC Item No	ABS Item No	Dimensions			Pkg	Min Qty	Case Qty
		A	B	C			
825-2PFS	825-2AFS	2"	4¼"	2"	C*	10	10

JackRabbit™

Jacking Bolt Shower Drain

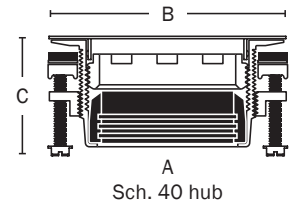
- Perfect for replacement applications when workspace is restricted
- Brass body, locknut and pressure plate washer with elastomer no-caulk gasket



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

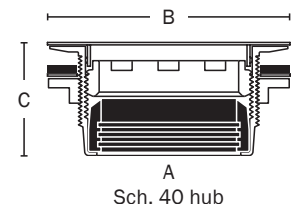
- PVC body and locknut with elastomer no-caulk gasket
- Snap-in 430 stainless steel strainer
- Do not use putty with plastic shower drains



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

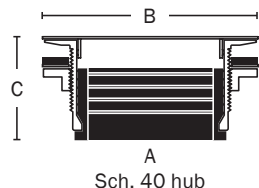
- PVC drain body with outer locknut
- Elastomer push-joint gasket installs over 2" Sch. 40 pipe
- 430 stainless steel strainer
- Do not use putty with plastic shower drains

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



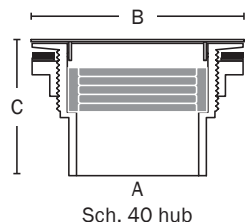
Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
829-S2	2"	4¼"	2 ⁵ / ₁₆ "	B*	1	20



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



FLOOR DRAINS

WELD ONE™

QUAD DRAIN™

INSIDE PIPE DRAINS

GENERAL PURPOSE DRAINS

REPLACE-IT™

GRIPPER™

SPECIALTY FLOOR DRAINS

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



800-P

Weld One™

Integral Trap Floor Drain

Patent # D587,787

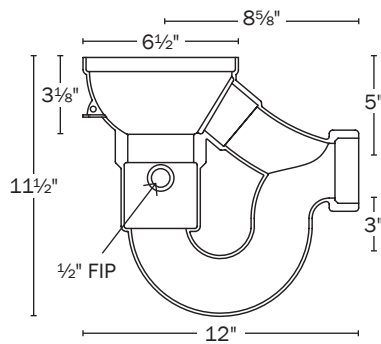
- Proven performance, improved design
- Drain body is sonic welded – NOT GLUED
- Deeper outlet reduces slab cracks
- Threaded, 1/2" FIP knockout trap primer port
- Outlet provides proper slope to connecting pipe
- Strainer options include round and square nickel bronze and stainless steel, or heavy-duty ductile iron
- PVC or ABS solvent weld connection



Adhesive debris cover protects drain during pour and removes with no residue.

A 2" FIP drain throat is designed to fit the 802-7 backwater device or laundry standpipe. Backwater device is available installed (800-PBW, 800-ABW) or can be purchased separately. (See below.)

B 1 1/2" cleanout plug is pre-installed into FIP cleanout threads.



PVC Item No	ABS Item No	Description	Pkg	Min Qty	Case Qty
POLYPRO STRAINER					
800-P	800-A	2" Weld One floor drain (gray PVC, black ABS)	B*	12	12
800-PPK	800-APK	2" Weld One floor drain (white PVC, black ABS)	B*	3	3
800-PBW	800-ABW	2" Weld One with backwater device (gray PVC, black ABS)	B*	12	12
NICKEL BRONZE RING & STRAINER					
800-PNR	800-ANR	2" Weld One, round ring & strainer (gray PVC, black ABS)	B*	1	2
800-PNQ	800-ANQ	2" Weld One, square ring & strainer (gray PVC, black ABS)	B*	1	2
304 STAINLESS STEEL RING & STRAINER					
800-PSR	800-ASR	2" Weld One, round ring & strainer (gray PVC, black ABS)	B*	1	2
800-PSQ	800-ASQ	2" Weld One, square ring & strainer (gray PVC, black ABS)	B*	1	2
DUCTILE IRON RING & STRAINER					
800-PIR	800-AiR	2" Weld One, round ring & strainer (gray PVC, black ABS)	B*	1	2



802-7

Backwater Device

2" MIP Body

- For use in 2" FIP threaded drain throat
- Provides reasonable protection from backup through a floor drain. Not intended to replace a backwater valve
- Not designed for air or water test

Item No	Description	Pkg	Min Qty	Case Qty
802-7	Polypro backwater device for 2" FIP threads	C*	12	12

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

SUPPLY

DRAINAGE

SUPPORT

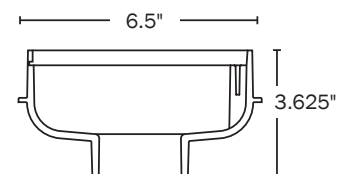
APPENDIX

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" × 3"	Round	B*	12	12
841-2PPK	841-2APK	2" × 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" × 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" × 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" × 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" × 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" × 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.



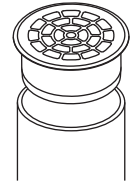
SUPPLY



845-3P

Inside Pipe Drain

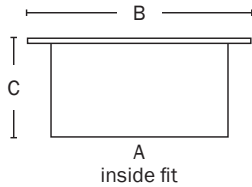
- Solvent welds inside pipe, flush to floor
- Also great for direct vent furnaces and water heaters, or to cover any open ended pipe



Fits inside Sch. 40 ABS/PVC pipe.

DRAINAGE

SUPPORT



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

APPENDIX

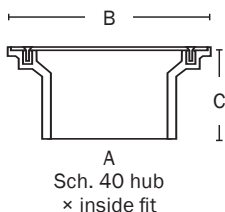
Solvent Weld Floor Drain

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

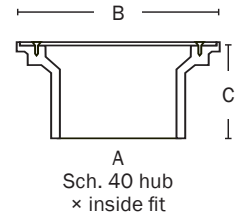
Snap-In Stainless Steel Strainer

- 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

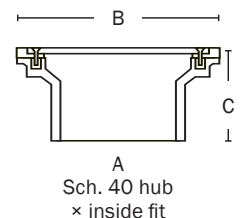
Nickel Bronze Ring & Strainer

- 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

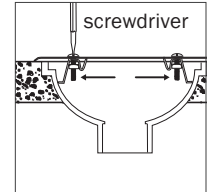
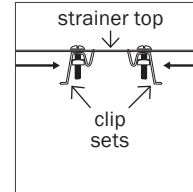
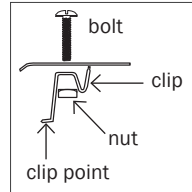
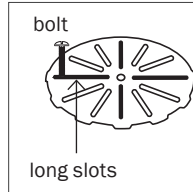
APPENDIX



847-7B



847-7



Replace-It™

Adjustable Drain Strainer

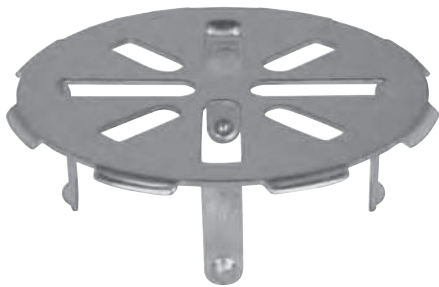
- Replace rusted or broken cast iron strainers or bar grates
- Heavy gauge stainless steel – 100% corrosion proof
- Adjustable screw clips to fit almost any drain
- 7¼" diameter fits 3¼" – 6¾" drain openings
- 9¼" diameter fits 5¼" – 8¾" drain openings

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



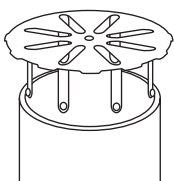
847-3

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

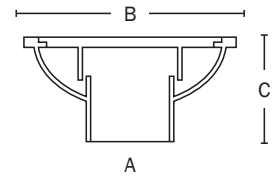
PVC or ABS

- 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

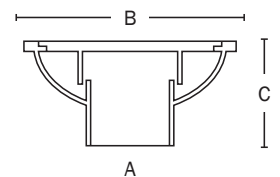
Cast Iron

- 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

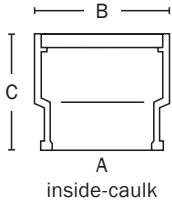
APPENDIX



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



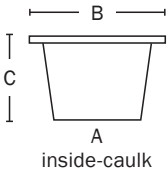
Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
869-V4	4"	6 ⁵ / ₈ "	5 ⁵ / ₈ "	B*	1	1



844-04iQ

Pittsburgh Style Drain

- Cast iron inside-caulk connection
- Enamel-coated cast iron



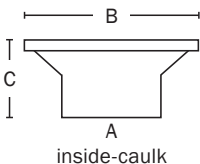
Item No	Dimensions			Pkg	Min Qty	Case Qty
	A	B	C			
844-04iQ	4"	8 ³ / ₄ "	4 ⁵ / ₈ "	B*	2	2



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



883-PT

DRAINAGE



886-4PT

SUPPORT



884-PTM

APPENDIX



888-PTM

TKO™

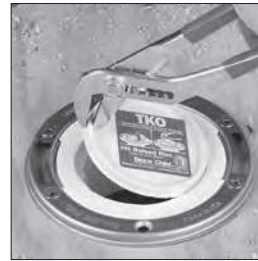
Total Knockout Closet Flange

Patent #5,377,361

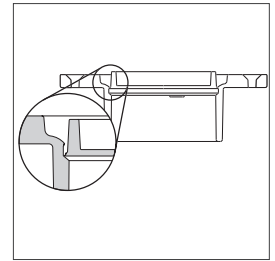
- Proven performance, improved design
- Knockout will not break apart and cannot fall down drain pipe
- Corrosion-resistant 430 stainless steel swivel ring is engineered for maximum strength
- Holds five floors (22 PSI) for head test



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.

All models UPC listed except Sch. 30 and 3" inside-fit models. cUPC listed where indicated



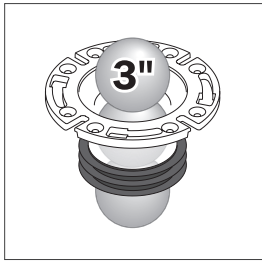
PVC Item No	ABS Item No	Connection	Pkg	Min Qty	Case Qty
ONE-PIECE PLASTIC RING					
883-PT	883-AT	3" hub/inside 4", flush to floor ¹	B*	25	25
883-PTPK	883-ATPK	3" hub/inside 4", flush to floor ¹	C*	8	8
886-PTS	886-ATS	3" spigot	B*	25	25
886-PT30	—	3" Sch. 30 hub	B*	25	25
886-4PT	886-4AT	4" hub, flush 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

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.

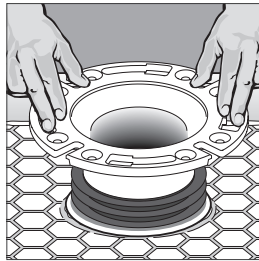
Push Tite™

Gasketed Closet Flange

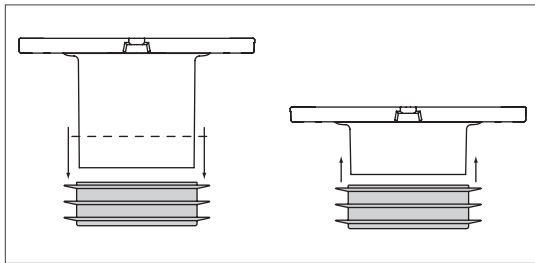
- Gasket seals inside DWV pipe
- Easy installation – simply push in and fasten to floor, perfect for replacement or new installations
- Push Tite™ flanges have larger outlets than other gasketed closet flanges and smooth inner walls with no obstructions or ledges to cause clogs
- Swivel ring is stainless steel for durability



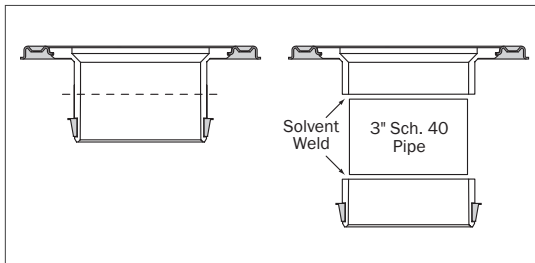
The 886/887 Push Tite models are the only gasketed closet flanges that will allow a 3" ball to pass freely – no obstructions.



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

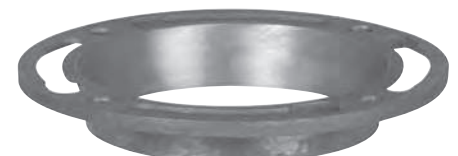


Brass Closet Flange Ring

- 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

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



886-MR



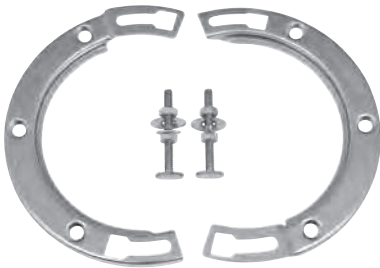
Hanger card packaging for counter areas.

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

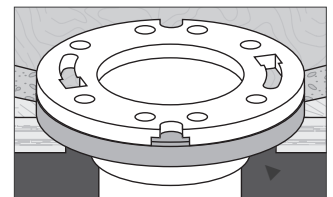
Quick Spacer™

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



886-ER



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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

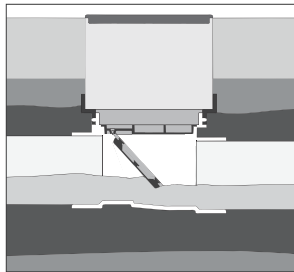
ProCheck backwater valves are designed to take the abuse of a typical ground-rough job site. We use specially formulated, engineered resins to mold the valves in our on-site injection presses, right here in the USA.

Dependable

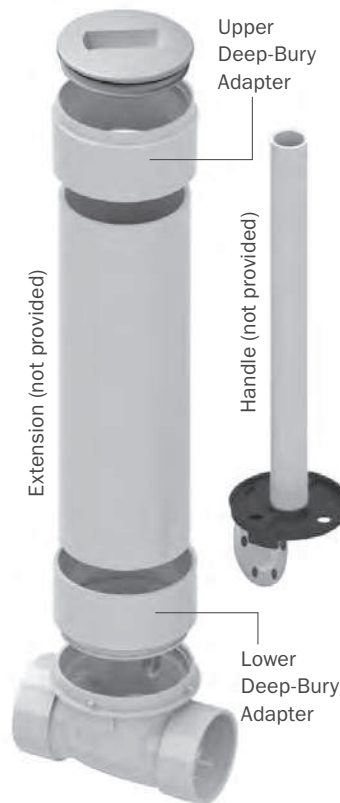
The ProCheck's integrally molded sealing surface on the face of the flapper seals watertight, even at lower backpressure when many o-ring type flappers can leak, leaving property vulnerable to sewer backup.



(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.

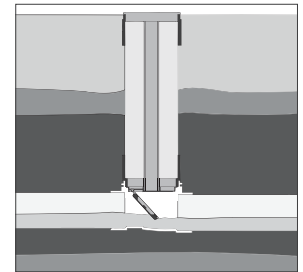


Extension (not provided)

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

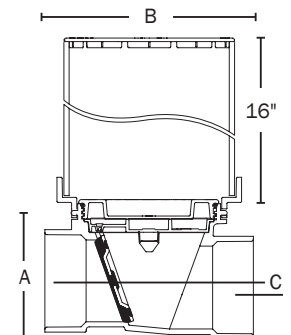
DRAINAGE

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

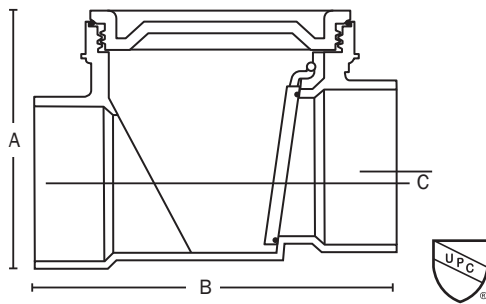


869-2P

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

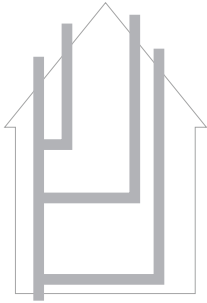


1.5" CONNECTION



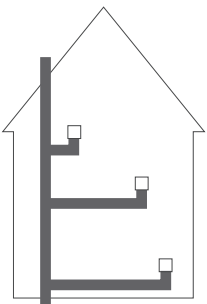
2" CONNECTION

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

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



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



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

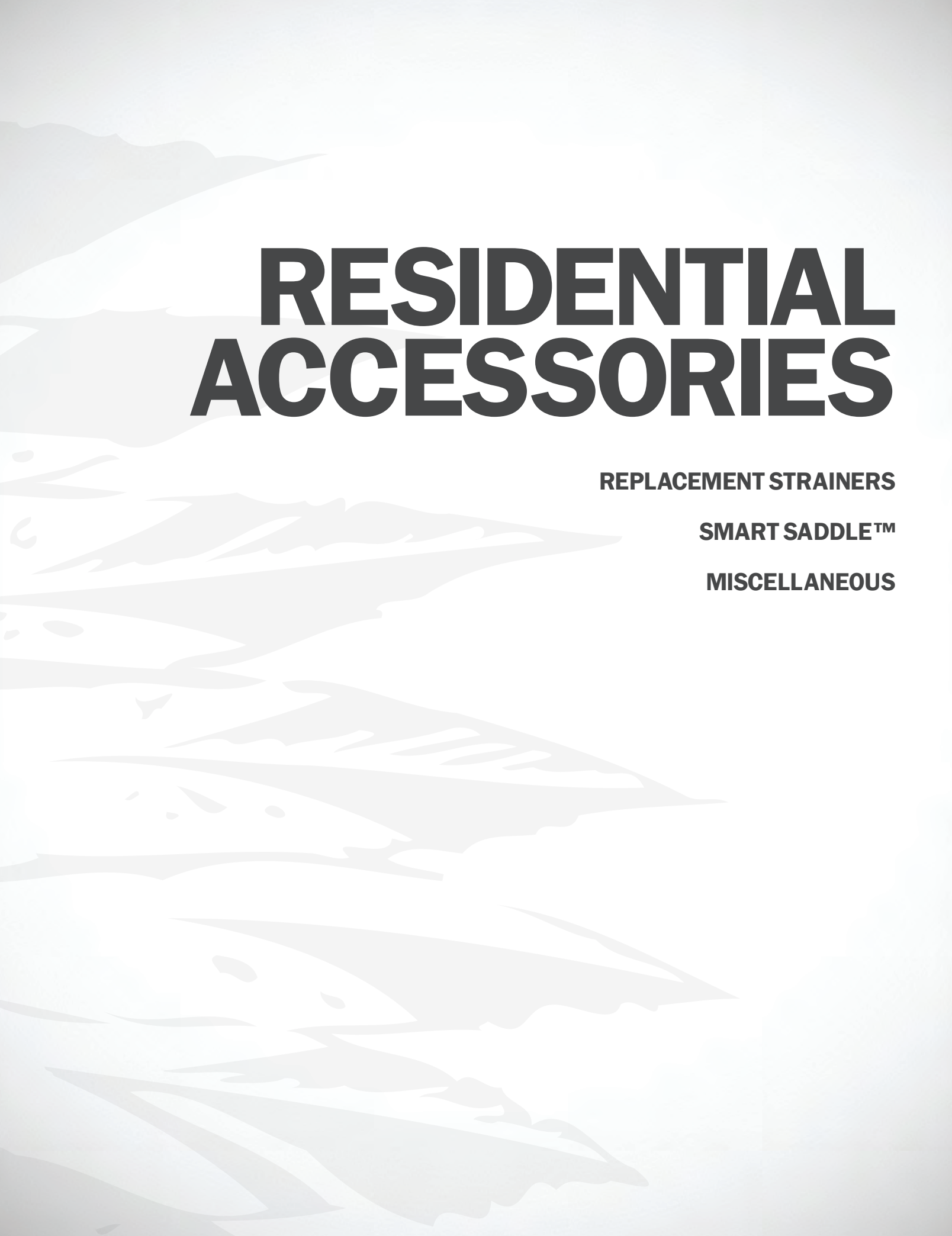
³ Kit includes Ox Box, frame, and louvered cover

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

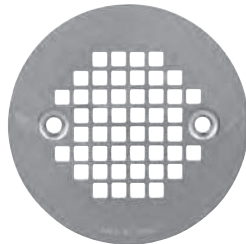


RESIDENTIAL ACCESSORIES

REPLACEMENT STRAINERS

SMART SADDLE™

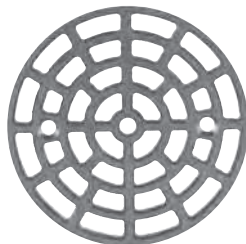
MISCELLANEOUS



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

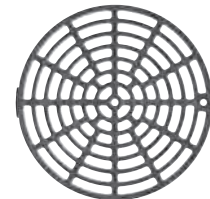
Replacement Strainers for Drains

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

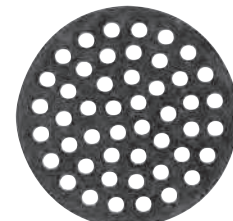


801-DR2

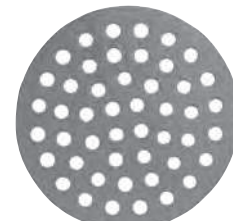
Replacement Strainers for Drains

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

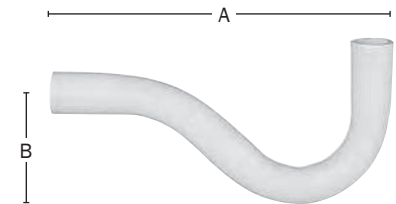
APPENDIX

Item No	Description	Pkg	Min Qty	Case Qty
880	4" to 6" rolling o-ring adapter	B	25	25

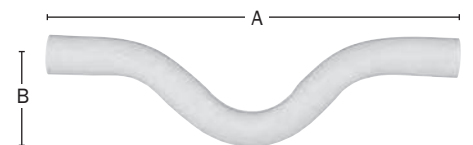
Condensate Trap

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



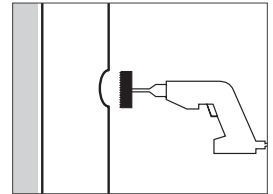
891-0312P

Smart Saddle™

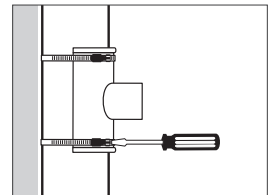
DWV Saddle Tee Fitting

- 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

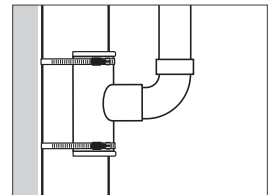
Cut a hole in stack that matches the I.D. of the inlet branch I.D. on the Smart Saddle™.



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



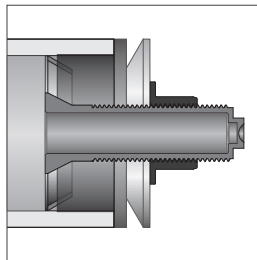
882-115

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™

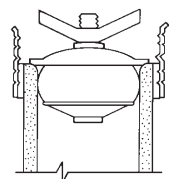
Mechanical Test Plug

- 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

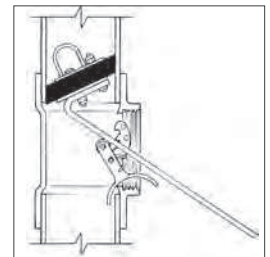


881-54

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 backslash
- Seals the branch and run portions of the tee at the same time
- No need for thread sealant

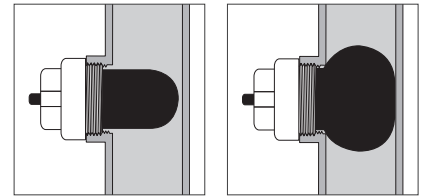


882-TT2

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

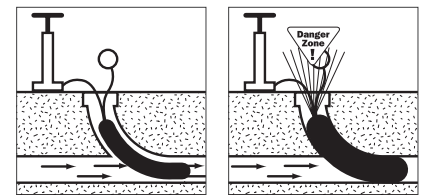


882-ES34

Related Products

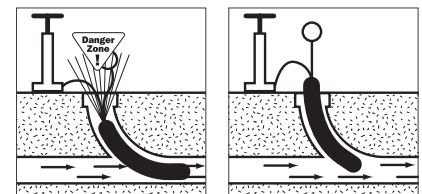
High-Pressure Hand Pump p 416

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

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



880-82



881-13



881-02H



881-02A

Always use a 5/8" poly ferrule (supplied) when attaching compression fittings to the Grip Tip™.



Caps and plugs are available in magenta (hot pink) for better visibility



Remove Tip



Air Test



Water Test



Ground-Rough Head Tests



Saw Off Cap



Knock Out & Remove Plug

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

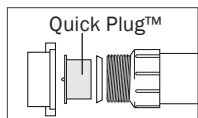


880-012

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



Works with any 1½" trap adapter. Allows installation of the trap adapter during rough-in. No more getting glue and cleaner inside the vanity.



234-QP

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

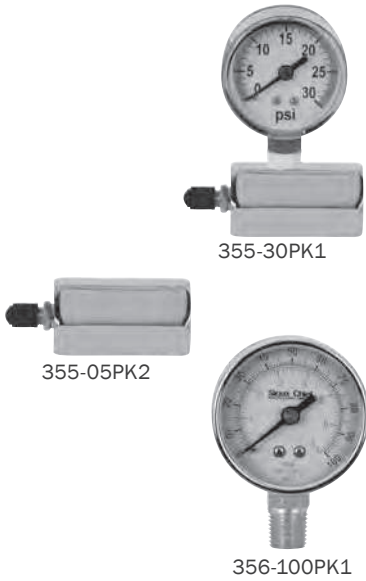
DRAINAGE

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

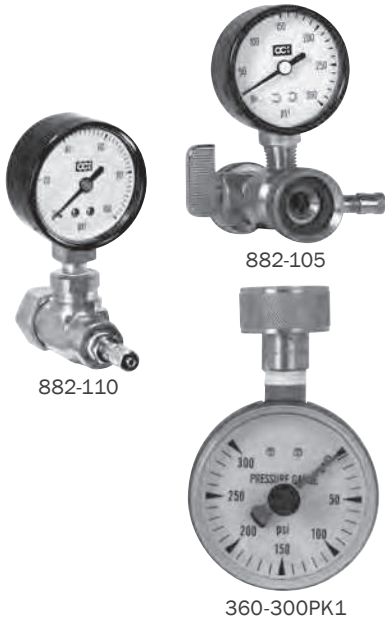
- 3/4" female hose swivel
- Schrader valve and 1/4-turn valve

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



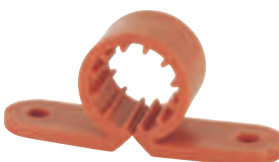
Sioux Strap™
p 423



PadLock™
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Totem™
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EZ Glide™ Tube Clamp
p 425



EZ Glide™ Suspension Clamp
p 425



EZ Glide™ Tube Insulator
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Suspensulator™
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Pipe Eye™
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BiFolator™
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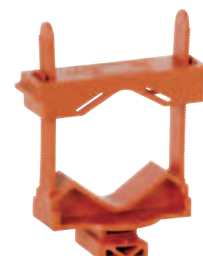
Main Block™
p 429



TouchDown™
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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



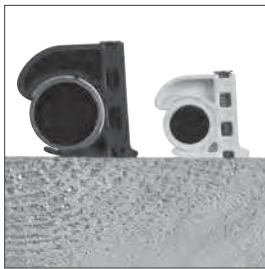
Anchor Screw Kit
p 437

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

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



Self-drilling tips on screws.

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 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	1/2" CTS	B	100	1000
559-2PK2	1/2" CTS, 5/bag	C*	10	10
559-3	3/4" CTS	B	50	1000
559-3PK2	3/4" CTS, 5/bag	C*	10	10
559-4	1" CTS	B	50	500
559-4PK2	1" CTS, 5/bag	C*	10	10
559-5	1 1/4" CTS	B	25	250
559-5PK2	1 1/4" CTS, 5/bag	C*	10	10
559-6	1 1/2" CTS	B	25	250
559-6PK2	1 1/2" 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 1/2" CTS	B	100	1000
559F3	E84 3/4" CTS	B	50	500
559F4	E84 1" CTS	B	50	500
559F5	E84 1 1/4" CTS	B	10	10
559F6	E84 1 1/2" 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	1/2" CTS	B	100	1000
557-2PK2	1/2" CTS, 5/bag	C*	10	10
557-3	3/4" CTS	B	100	1000
557-3PK2	3/4" CTS, 5/bag	C*	10	10
557-4	1" CTS	B	50	500
557-4PK2	1" CTS, 5/bag	C*	10	10
557-5	1 1/4" CTS	B	25	250
557-5PK2	1 1/4" CTS, 5/bag	C*	10	10
557-6	1 1/2" CTS	B	25	250
557-6PK2	1 1/2" 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 1/2" CTS	B	100	1000
557F3	E84 3/4" CTS	B	50	500
557F4	E84 1" CTS	B	50	500
557F5	E84 1 1/4" CTS	B	10	10
557F6	E84 1 1/2" CTS	B	10	10
557F7	E84 2" CTS	B	10	10



557-2



557F4



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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

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SUPPORT

APPENDIX

SUPPLY

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SUPPORT

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558-23

BiFolator™

Reversible Stud Insulator

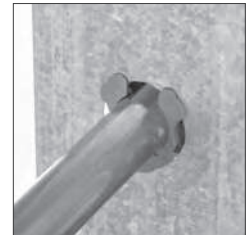
Patent #7,810,762

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



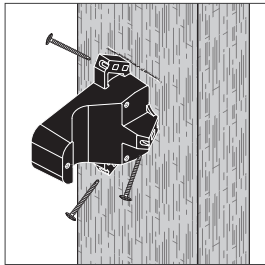
NEW Main Block™

1½" Offset CTS Pipe Clamp

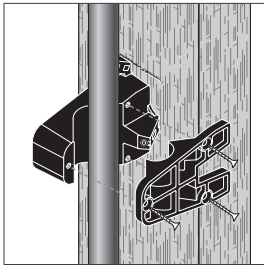
- 1½" offset with 3-axis holding power for securing ¾" and 1" water main inlets, appliance and fixture stub outs, water heater/softener loops, etc.
- Clamps above or below the pressure regulator to eliminate movement for a solid installation
- Non-corrosive and 100% compatible with copper, PEX, PVC and CPVC
- All hardware provided



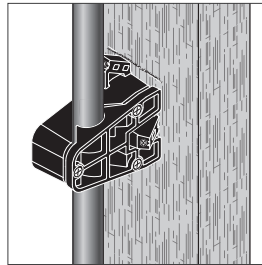
525-34



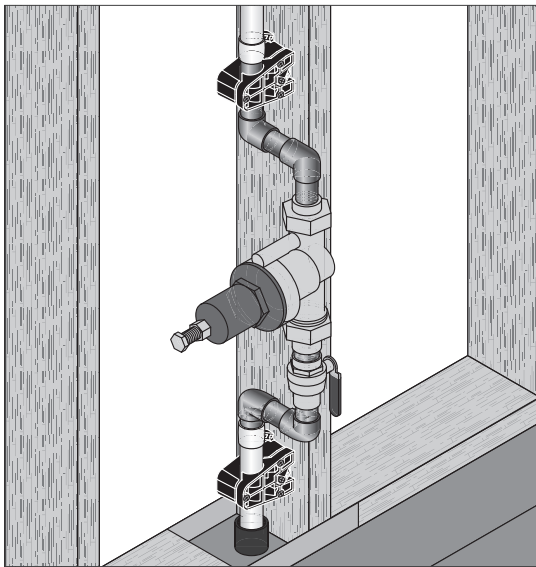
Mount rear block to structure using 1¾" screws.



Position pipe. Secure front block to rear block using 1" screws.



Completed installation.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No.	Description	Pkg	Min Qty	Case Qty
525-33	¾" CTS Service Pipe Clamp with screws 1/bag	B	1	25
525-34	1" CTS Service Pipe Clamp with screws 1/bag	B	1	25

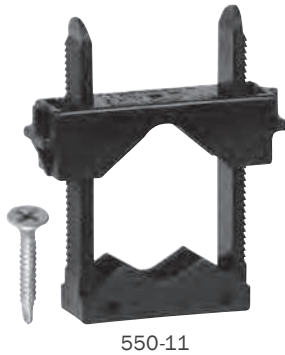


SUPPLY

DRAINAGE

SUPPORT

APPENDIX



550-11



550-11Q



522-100B



550-11PK4

TouchDown™

Universal Pipe Clamp

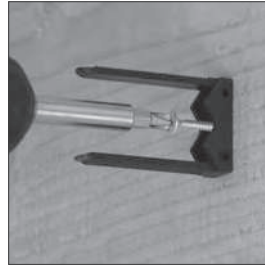
Patent # 6,126,122

- 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

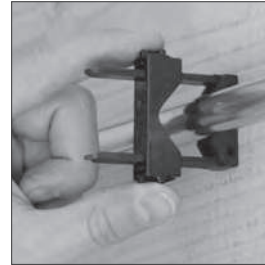
Pipe Down™

Noise Absorbing Inserts

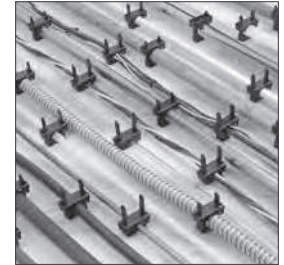
- Thermoplastic elastomer reduces noise
- Red color allows for quick visual inspections to show noise blocks are present, meeting job specifications
- Not for use with Plenum Safe™ clamps



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



TouchDown II™

Large Universal Pipe Clamp

Patent # 6,126,122

- Clamps 1/2" – 2" CTS tube (copper, PEX or CPVC) and 3/8" – 2" Sch. 40 pipe (steel or plastic)
- Releasable locking mechanism allows for variable clamping tension for expansion and contraction
- Provides 5/8" 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
- Not for use with Plenum Safe™ clamps



550-20



550F20



550-200B



Slot in base allows for stainless steel band applications.



Fits into the universal Power Bar.



Perfect for AC condenser line sets.



Perfect for bundling multiple lines.



Related Products

Grid Iron

p 467

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
550-20	1 bridge, 1 base, 2 screws/bag	B	50	50
550-20PK2	1 bridge, 1 base, 2 screws/bag	C*	1	10
550-20Q	1 bridge, 1 base, 2 screws, 2 Pipe Down inserts/bag	B	50	50
550-20QPK2	6 bridges, 6 bases, 12 screws, 12 Pipe Down inserts/bag	C*	1	10
550-22	50 bridges, 50 bases, 100 screws/bag	B	1	1
550-201	1 bridge	B	25	250
PLENUM SAFE™				
550F20	E84 1 bridge, 1 base, 2 screws/bag	B	25	25
PIPE DOWN INSERTS				
550-200B	50 inserts (for standard models only)/bag	B	1	10
550-200BPK2	10 inserts (for standard models only)/bag	C*	1	10



SUPPLY

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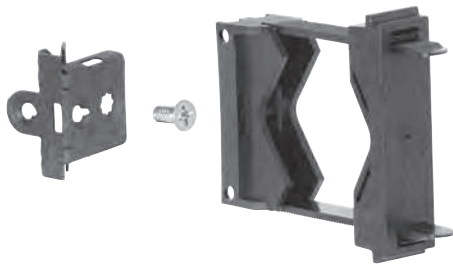


550-11E

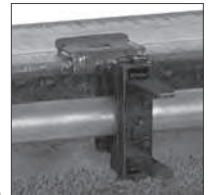
TouchDown™ Beam Clamp

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 ¼" - 1" CTS tube (copper, PEX or CPVC) and ⅛" - 1" Sch. 40 pipe (steel or plastic)
- 550-20E clamps ½" - 2" CTS tube (copper, PEX or CPVC) and ⅜" - 2" Sch. 40 (steel or plastic)



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

TouchDown II™ Strut Clamp

Large Universal Pipe Clamp for Strut

- No tools required for fast and easy installation
- One clamp fits ½" CTS tube (copper, PEX or CPVC) - 2" IPS (steel or plastic)
- Use two bridges for tandem pipe runs
- Great for retro-fit applications



550-2T



550-2T1



550-2TA



Insert base, twist and lock into strut channel.



Strut Dam prevents clamp from sliding down when strut is mounted vertically to wall or surface.



Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
550-2T	1 bridge, 1 strut clamp base/bag	B	25	25
550-2T1	2 bridges, 1 strut clamp base/bag	B	25	25
550-22T	50 bridges, 50 strut clamp bases	B	1	1
550-2TA	Strut Dam, 1 t-bolt, 1 washer, 1 ⅜" square nut/bag	B	25	500
PLENUM SAFE™				
550F2T	E84 1 bridge, 1 strut clamp base/bag	B	5	5
550F22T	E84 50 bridges, 50 strut clamp bases	B	1	1

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





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

Drive Hook

Copper-Plated Steel

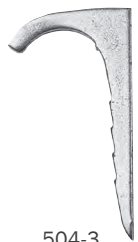
- Do not use vinyl-coated hooks with CPVC pipe or fittings



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

SUPPORT

APPENDIX

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 x Width	Failure Load	Max Bundle	Pkg	Min Qty	Case Qty
STANDARD						
554-08	8" x 3/16"	50 lbs.	2"	B	100	2500
554-14	14 1/2" x 3/16"	40 lbs.	4"	B	100	1000
554-14H	14 1/2" x 5/16"	175 lbs.	4"	B	100	1000
554-21	21" x 5/16"	175 lbs.	6"	B	50	500
554-36	36" x 5/16"	175 lbs.	11"	B	50	250
MOUNTING						
554-608	8" x 3/16"	50 lbs.	2 3/8"	B	100	500
554-614	14" x 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 x 1" 5/16" hex/slotted/Phillips head screws, 100 plastic anchors and one 1/4" carbide bit	B	1	10
590-11	Replacement drill bit for 590-10	B	10	50
SCREWS				
591-06B	#6 x 1" yellow zinc-plated, coarse-thread wood screw, 100/bag	B	1	10
591-081	#8 x 1" zinc-plated drill-tip Phillips screw, 100/bag	B	1	10
NAILS				
509-PK2	1 1/8" tube strap nail zinc-plated, 50/bag	B	20	20

APPENDIX

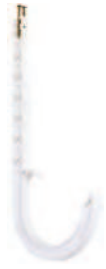


DWV HANGERS

EXTENSION HANGERS

HANGER STRAPS

GROUND STAKES



Hangs Tuff™
p 441



Swivel J-Hanger™
p 442



Gas Vent Pipe Support
p 442



ZipStick™
p 443



Metal DWV Hangers
p 444



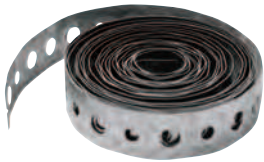
Stick-Em Up™
p 444



Ape Tape™
p 445



Plastic Hanger Strap
p 445



Metal Hanger Strap
p 446



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.



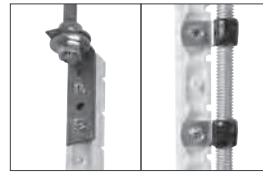
Cradles pipe before final installation.



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.



553-8



521-210

553-9W

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

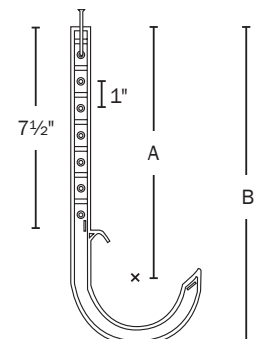


Related Products
Vinyl-Coated Clamp

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.

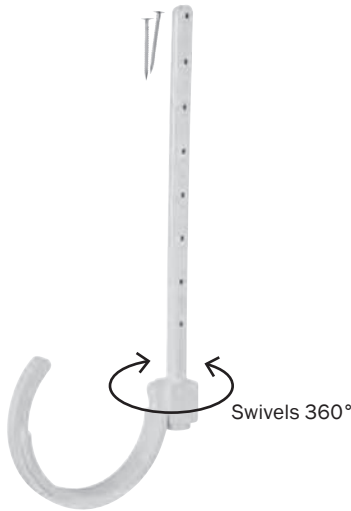


Except 553-830W

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



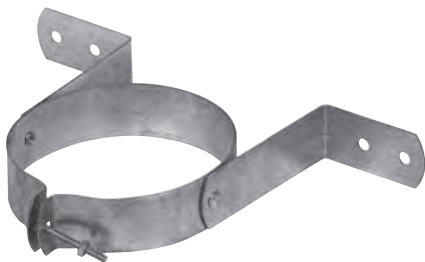
553-8WZ



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



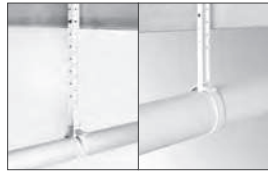
Two nails supplied for easy installation.



Opposing holes are 1/2" on center.



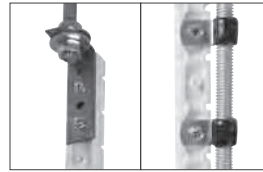
Easy, more natural, pull-down cinching motion.



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

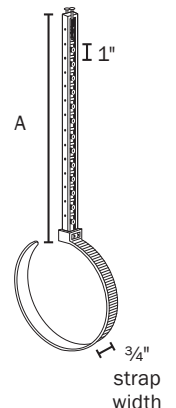
SUPPLY

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.



SUPPLY

DRAINAGE

SUPPORT

APPENDIX



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



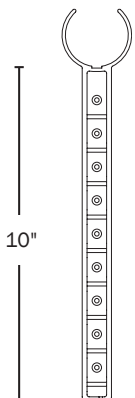
Stick-Em Up™

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

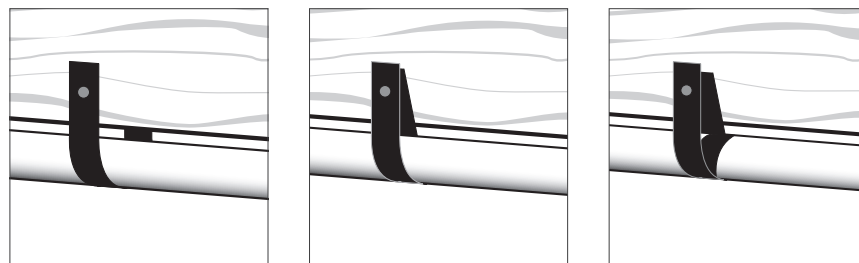
Ape Tape™

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.

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

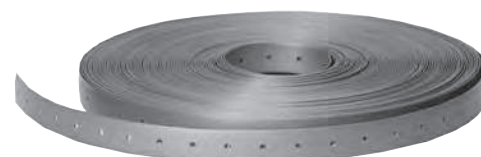
SUPPORT

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

SUPPORT

APPENDIX

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

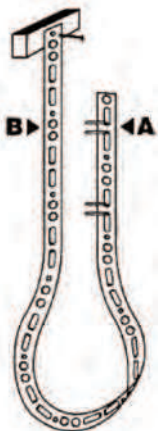


528-10TPK2

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™

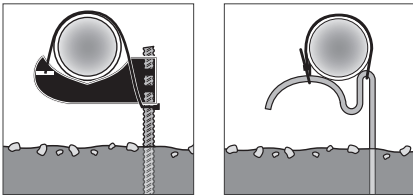
DWV Ground Stake

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



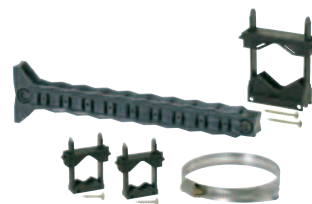
Carrier Bracket
p 464



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

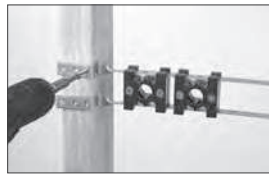


Water Heater Stand
p 477

Strong Arm™ Bracketing System with Lock Block™ CTS Tube Clamp

Patent #8,061,390

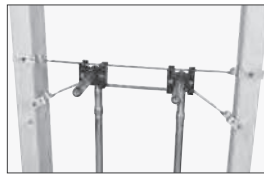
- Rigidly secures any 1/2" – 1" CTS stub out and prevents all movement
- Lock Blocks™ are pre-assembled on a pair of brackets or available with 2 1/2" screws to mount directly to structure
- Twisted brackets easily mount to the face of the stud and L-bent brackets mount inside the stud cavity
- Lock Blocks compress on tube and brackets after screws are tightened



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.



525-1012



525-1622



525-2423



525-B2



525-B4



525-B3S

Item No.	Description	Pkg Qty	Min Qty	Case Qty
STRONG ARM FOR NARROW (LESS THAN 10") STUD BAYS				
NEW 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
NEW 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
NEW 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				
NEW 525-B2S	One 1/2" Lock Block with two 2 1/2" drill-tip screws	B	1	50
NEW 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

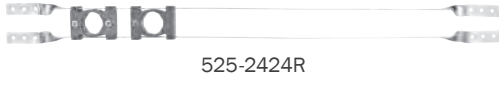
APPENDIX



525-1612R



525-1622R



525-2424R

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



525-B2R



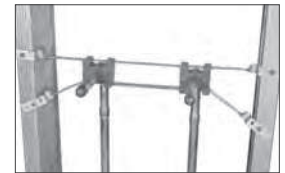
525-B3R



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.

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

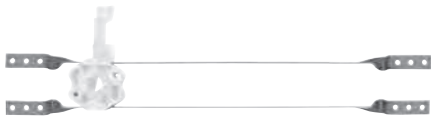


Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM WITH SHOWER WALLNUT LOCK BLOCK				
525-16WLB	Twisted bracket with one 1/2" Shower WallNut Lock Block for 16" stud bays	B	25	25
525-24WLB	Twisted bracket with one 1/2" Shower WallNut Lock Block for 24" stud bays	B	25	25
BULK COMPONENTS				
525-WLB	Shower 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

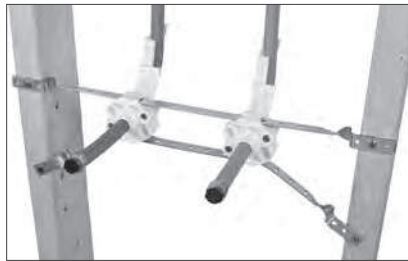
Strong Arm™ Bracketing System with PEX Bend Lock Block™ Flexible Tube Support



Patent #8,061,390

Patent #8,141, 831

- Use when stubbing out with 1/2" 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



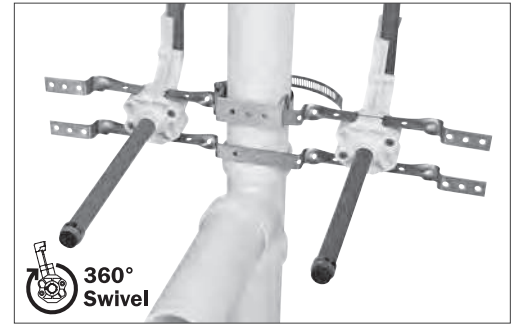
Item No.	Description	Pkg	Min Qty	Case Qty
STRONG ARM WITH PEX BEND LOCK BLOCK FOR NARROW (LESS THAN 10") STUD BAYS				
525-101PB	Twisted bracket with one PEX Bend Lock Block	B	25	25
STRONG ARM WITH PEX BEND LOCK BLOCK FOR 16" STUD BAYS				
525-161PB	Twisted bracket with one PEX Bend Lock Block	B	25	25
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
525-161BPK	Strong Arm with one PEX Bend Lock Block	C*	10	10
525-162BPK	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	1/2" PEX Bend (elbow only)	B	50	50
525-P2PK	1/2" 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 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.

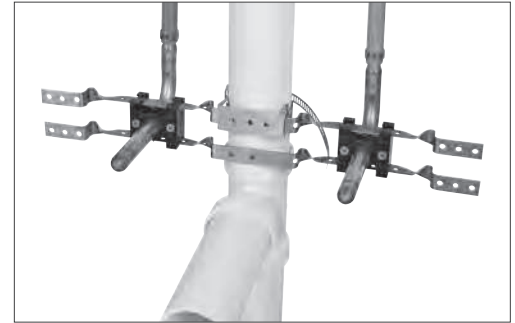
Strong Arm™ Vent Support

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

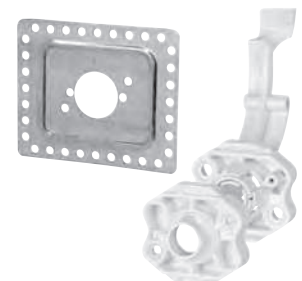
- New faceplate works with both PEX Bend or Standard Lock Blocks™
- Nail directly to stud or retrofit by attaching to pre-existing horizontal brace
- Ideal for re-piping projects



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

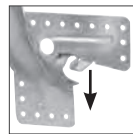
APPENDIX



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



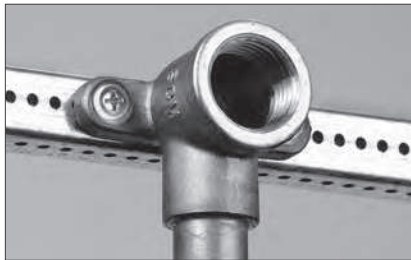
Item No.	Description	Pkg	Min Qty	Case Qty
550-FP2	1/2" CTS floor support	B	25	25
550-FP2S	1/2" CTS floor support with short tube protector	B	25	25

Power Bar™

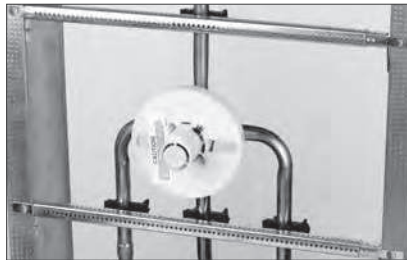
Universal Slider Bracket

Patent # 6,446,915
 Patent # 6,402,096

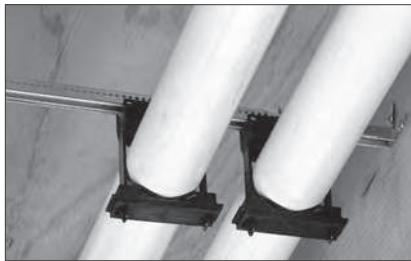
- Galvanized steel bracket and tough plastic clamp are strong and support tube or pipe without bowing
- Available with one, two or three TouchDown clamps pre-loaded to reduce installation time
- Shorter bracket expands to fit openings from 9" – 16"
- Longer bracket expands to fit openings from 14" – 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.



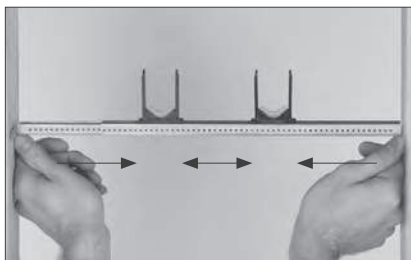
Large pipe: use TouchDown II™ clamps for pipe up to 2".



Wall bracket: use as a pipe stand-off and organizer.



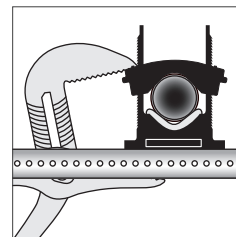
Use with Saddle-Up™ clamp to stabilize vertical vent or header pipes between floors.



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.

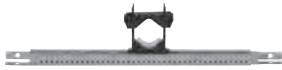
SUPPLY

DRAINAGE

SUPPORT

APPENDIX

SUPPLY



523-1610

DRAINAGE



523-2424



522-5501



522-100B



523-01

SUPPORT

APPENDIX

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



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

SUPPLY

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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

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

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SUPPORT

APPENDIX

Edge Support System™

Copper-plated and Galvanized Angle Brackets

Edge Clamp Patent No. 7,549,613

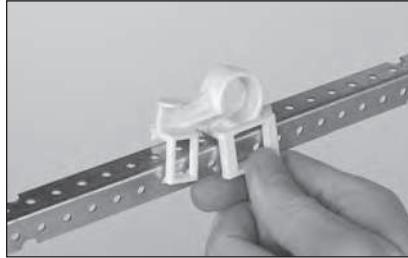
- Angle design provides rigid cross brace between studs
- Single clamp supports both vertical and horizontal applications
- Supports any 1/2" or 3/4" CTS (copper, PEX or CPVC) tube
- Glue Edge Clamp to CPVC at horizontal wall penetrations



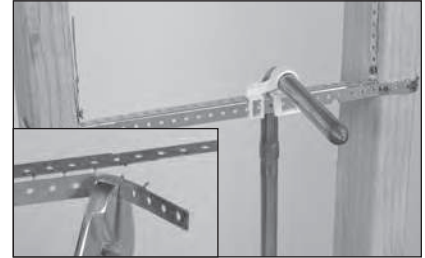
520-E24C



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

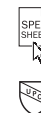
Pipe Eye

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



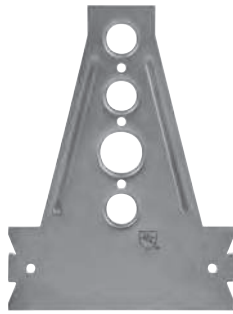
Except Galvanized models

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

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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™

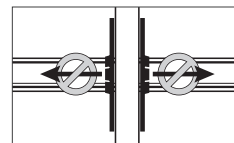
Tube Locking One-Way Push Nut

- 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

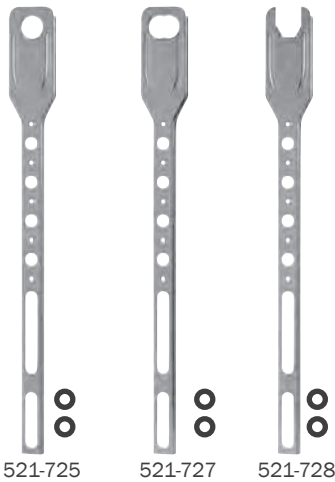
Copper-plated Steel

- 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

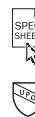
Patent No. D 558,567

- 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

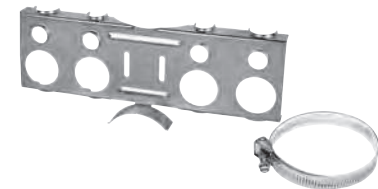


Install on stack or vent pipe or secure directly to wall

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

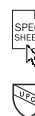


521-111



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

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SUPPORT

APPENDIX

Pipe Titan™

Universal Bracketing System

Patent # 5,303,887

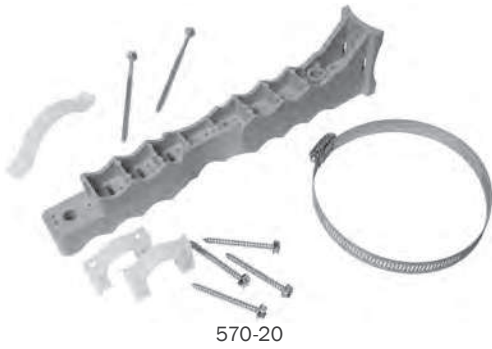
- Non-metallic – no electrolysis worries
- Isolates pipe and reduces noise
- Compatible with copper, PEX and CPVC

SUPPLY

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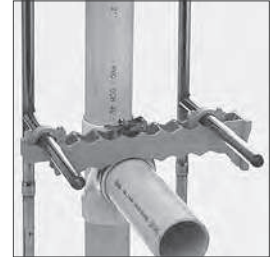
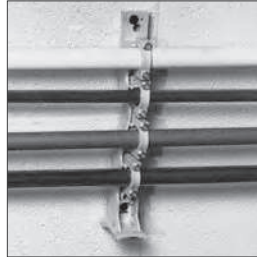
570-20



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



Grid Iron™

Universal Bracketing System

Patent # 5,876,000

- Fits inside 2 × 4 when strapped to 2" pipe
- 25% stronger than the Pipe Titan
- 1" on-center grooves in bracket
- Ideal for island sinks
- Use cable ties as alternate fasteners
- Great pipe organizer for slab jobs
- Compatible with copper, PEX and CPVC



571-145



Perfect for securing tubes of many sizes in various applications.



Use 3/8" threaded rod for trapeze installations.

SUPPLY

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Related Products

PadLock

p 423

Item No.	Description	Pkg	Min Qty	Case Qty
GRID IRON BRACKETS				
571	1 bracket	B	24	24
571-10	1 bracket, 2 TouchDown clamps	B	24	24
571-145	1 bracket, 2 TouchDown clamps, 1 TouchDown II clamp, one 5" stainless steel band	B	24	24
571-20	1 bracket, 2 TouchDown clamps, one 5" stainless steel band	B	24	24
571-22	1 bracket, 2 TouchDown clamps, 1 snap-lock 5" stainless steel 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



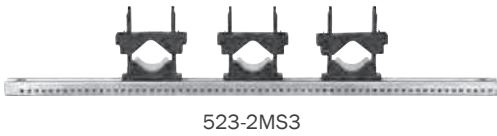
Power Bar Mini Strut™

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

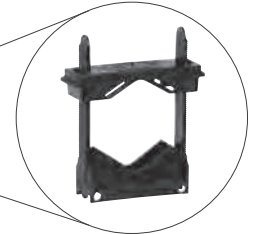
SUPPLY



DRAINAGE



SUPPORT



Purchase Touchdown II™ separately for larger pipe sizes.



APPENDIX

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



NEW

NEW

NEW

NEW



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

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

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

Item No.	Description	Pkg	Min Qty	Case Qty
575-100Q	2¼" × 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



NEW

NEW

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

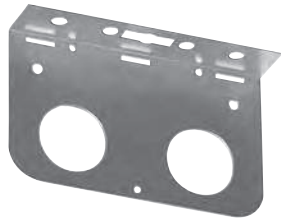
SUPPORT

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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

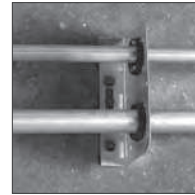
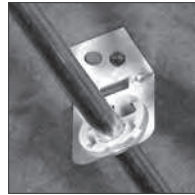


521-559

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 II™ 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.



550-2T



550-2T1



550-2TA

SUPPLY

DRAINAGE

SUPPORT

APPENDIX

Item No.	Description	Pkg	Min Qty	Case Qty
STANDARD				
550-2T	1 bridge, 1 strut clamp base/bag	B	25	25
550-2T1	2 bridges, 1 strut clamp base/bag	B	25	25
550-22T	50 bridges, 50 strut clamp bases	B	1	1
550-2TA	Strut Dam, 1 t-bolt, 1 washer, 1 3/8" square nut/bag	B	25	500
PLENUM SAFE™				
550F2T	E84 1 bridge, 1 strut clamp base/bag	B	5	5
550F22T	E84 50 bridges, 50 strut clamp bases	B	1	1



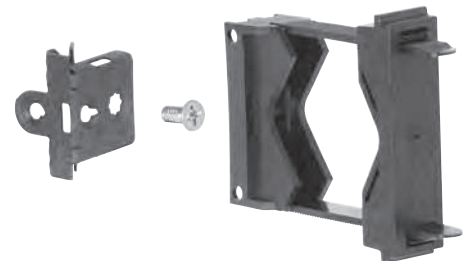
TouchDown™ Beam Clamp

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



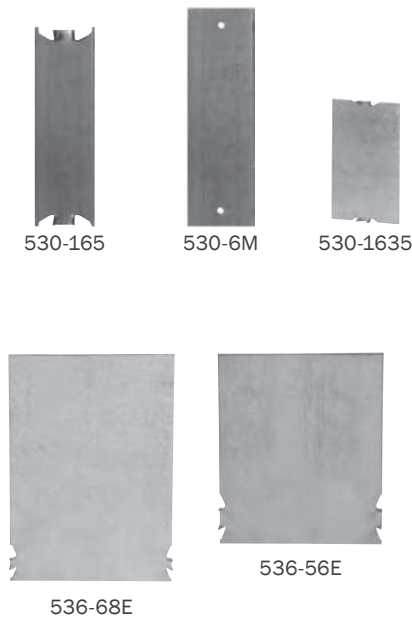
SUPPLY

DRAINAGE

SUPPORT

Stud Guard

- Available in 16-gauge or 18-gauge material
- 530-6M is ideal for metal stud projects

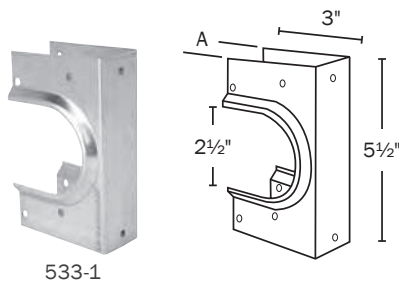


Item No.	Description	Gauge	Distance Between Nail Points	Pkg	Min Qty	Case Qty
530-3	1½" × 3" self-nailing	18	2½"	B	100	100
530-3PK	1½" × 3" self-nailing	18	2½"	C*	100	100
530-5	1½" × 5" self-nailing	18	4½"	B	100	100
530-5PK	1½" × 5" self-nailing	18	4½"	C*	100	100
530-6	1½" × 6" self-nailing	18	5½"	B	100	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

Stud Shoe

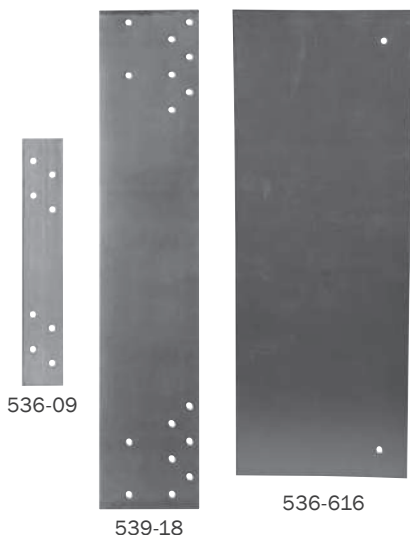
- 16-gauge steel
- Formed rib provides added strength
- Installs over pipe up to 2¾" O.D.
- Meets IRC 602.6



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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SAMPLES & ORDER FORM

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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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.)
305Q4	216	1	12	✓	400499	0.0421
305Q5	216	1	1		408006	0.3450
305Q6	216	1	10		408013	0.3650
305Q7	216	1	1		407979	0.4380
355-05PK2	416	1	10	✓	504555	0.5298
355-15PK1	416	1	10	✓	518019	0.7865
355-30PK1	416	1	10	✓	518033	0.7513
355-60PK1	416	1	10	✓	518064	0.7913
356-100PK1	416	1	10	✓	518606	0.3221
356-160PK1	416	1	10	✓	518668	0.3450
356-300PK1	416	1	10	✓	377357	0.3417
356-30PK1	416	1	10	✓	504579	0.3223
356-60PK1	416	1	10	✓	504586	0.3587
360-15PK1	416	1	10	✓	518514	0.3633
360-300PK1	416	1	10		520302	0.1387
490-11320	390	1	10	✓	303462	0.2021
490-11322	390	1	10	✓	303486	0.8169
500-2	433	100	500		200013	0.0143
500-3	433	100	500		200020	0.0163
501-0	433	100	500		265968	0.0180
501-0PK	433	100	100	✓	204400	0.0075
501-1	433	100	500		265920	0.0190
501-1PK	433	100	100	✓	204417	0.0085
501-2	433	100	500		265937	0.0133
501-2PK	433	100	100	✓	204233	0.0090
501-2PK2	433	10	10	✓	204226	0.1500
501-3	433	100	500		265944	0.0152
501-3PK	433	100	100	✓	204271	0.0110
501-3PK2	433	10	10	✓	204264	0.1600
501-4	433	100	100		265951	0.0362
501-4PK	433	100	100	✓	204301	0.0305
501-5	433	100	100		200082	0.0413
501-5PK	433	100	100	✓	204318	0.0295
501-6	433	100	100		200099	0.0556
501-6PK	433	100	100	✓	204325	0.0360
501-7	433	100	100		200105	0.0444
501-7PK	433	100	100	✓	204332	0.0420
502-0PK	433	100	100	✓	203953	0.0135
502-1	433	100	100		204004	0.0180
502-1PK	433	100	100	✓	203991	0.0150
502-2	433	100	100		265524	0.0188
502-2PK	433	100	100	✓	204035	0.0217
502-2PK2	433	10	10	✓	204028	0.2255
502-3	433	100	100		265548	0.0265
502-3PK	433	100	100	✓	204073	0.0270
502-3PK2	433	10	10	✓	204066	0.2570
502-4	433	100	100		265555	0.0440
502-4PK	433	100	100	✓	204103	0.0596
502-4PK2	433	10	10	✓	203922	0.1920
502-5	433	50	50		265562	0.0600
502-5PK	433	50	50	✓	204127	0.0494
502-5PK2	433	10	10	✓	203939	0.2600
502-6	433	50	50		265579	0.0595
502-6PK	433	50	50	✓	204141	0.0634
502-6PK2	433	10	10	✓	267474	0.2519
502-7	433	50	50		265517	0.0960
502-75	433	25	25		200174	0.1608
502-75PK	433	20	20	✓	204172	0.1550
502-7PK	433	50	50	✓	204165	0.1040
502-7PK2	433	10	10	✓	267481	0.4012
502-8	433	25	25		265531	0.1832
502-8PK	433	15	15	✓	204189	0.1780
502-9	433	25	25		200198	0.2400
502-9PK	433	10	10	✓	204196	0.2400
503-2	434	100	1000		265630	0.0207
503-2P	434	100	1000		265647	0.0205
503-3	434	100	1000		265654	0.0247
503-3P	434	100	1000		265661	0.0247
504-3	434	100	1000		200259	0.0225
504-3P	434	100	1000		265678	0.0257
504-3PK2	434	10	10	✓	204622	0.1992
504-3PK3	434	1	10	✓	204646	2.1915
504-3PKK2	434	10	10	✓	204660	0.2210
505-24	463	100	100		200273	0.0497

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
505-29	463	100	500		265494	0.0307
505-34	463	100	100		200341	0.0488
505-39	463	100	500		265500	0.0278
505-44	463	50	50		266965	0.0121
505-49	463	50	50		200327	0.0339
505-5	463	25	100		201164	0.0419
506-22C	435	100	2000		200334	0.0276
506-24	435	50	500		265685	0.0490
506-24C	435	50	500		205643	0.0420
506-24P	435	50	500		265739	0.0475
506-26	435	50	500		265692	0.0645
506-26C	435	50	500		205681	0.0620
506-26CPK2	435	5	5	✓	205667	0.3240
506-26P	435	50	500		265746	0.0660
506-26PK2	435	5	5	✓	205063	0.3070
506-26PPK2	435	5	5	✓	205360	0.3270
506-32C	435	100	2000		200426	0.0160
506-34	435	50	500		265708	0.0440
506-34C	435	50	500		200433	0.0440
506-34P	435	50	500		265753	0.0460
506-34PK2	435	5	5	✓	205100	0.2556
506-36	435	50	500		265715	0.0608
506-36C	435	50	500		265791	0.0640
506-36CPK2	435	5	5	✓	205742	0.3240
506-36P	435	50	500		265760	0.0650
506-36PK2	435	5	5	✓	205148	0.3130
506-36PPK2	435	5	5	✓	205445	0.3330
506-38	435	50	500		265722	0.0724
506-38C	435	50	500		265807	0.0760
506-38P	435	50	500		265777	0.0810
506-46	435	50	500		205247	0.0661
506-46C	435	50	500		265814	0.0662
506-46CPK2	435	5	5	✓	205827	0.3360
506-46P	435	50	500		265784	0.0660
506-46PK2	435	5	5	✓	205223	0.3070
506-46PPK2	435	5	5	✓	205520	0.3270
506-56	435	50	500		200594	0.0576
506-66	435	50	500		200662	0.0600
508-2B	464	25	25		201126	0.0730
508-2PK	464	25	25	✓	203519	0.0791
508-3B	464	25	25		201133	0.0802
508-3PK	464	25	25	✓	203557	0.0671
508-4B	464	25	25		201157	0.0842
508-4PK	464	25	25	✓	203588	0.0821
509-PK2	437	20	20		204455	0.1142
510-6PK	444	20	20	✓	260666	0.2453
510-6S	444	20	20	✓	263483	0.2469
510-6VPK	444	10	10	✓	260864	0.3044
510-7PK	444	20	20	✓	260673	0.2933
510-7S	444	20	20	✓	263490	0.2535
510-7VPK	444	10	10	✓	260871	0.3165
510-8PK	444	20	20	✓	260697	0.3982
510-8S	444	20	20	✓	263506	0.2844
510-8VPK	444	10	10	✓	260895	0.3917
510-9PK	444	20	20	✓	260703	0.4362
510-9S	444	20	20	✓	263513	0.3153
510-9VPK	444	10	10	✓	260901	0.4838
512-212PK	436	50	50	✓	215673	0.1191
512-26PK2	436	50	50	✓	215666	0.0810
512-312PK	436	50	50	✓	215758	0.1445
512-36PK	436	50	50	✓	215741	0.0900
512-412PK	436	50	50	✓	215833	0.1261
512-46PK	436	50	50	✓	215826	0.0890
513-26PK	436	25	25	✓	215093	0.0638
513-36PK	436	25	25	✓	215178	0.1021
515-10GPK2	472	10	10	✓	261106	0.9742
515-2CPK2	472	10	10	✓	261229	0.1573
515-2GPK2	472	10	10	✓	261021	0.1613
515-3CPK2	472	10	10	✓	261236	0.1593
515-3GPK2	472	10	10	✓	261038	0.1803
515-4CPK2	472	10	10	✓	261243	0.1413
515-4GPK2	472	10	10	✓	261045	0.1983
515-5CPK2	472	10	10	✓	261250	0.2341
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-PK2	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

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.)
556-4PK2	421	10	10	✓	266989	0.2890
556-4PK3	421	1	10	✓	200822	1.3831
557-2	425	100	1000		206893	0.0089
557-2PK2	425	10	10	✓	201706	0.0714
557-3	425	100	1000		203199	0.0115
557-3PK2	425	10	10	✓	201720	0.0814
557-4	425	50	500		203212	0.0156
557-4PK2	425	10	10	✓	200150	0.0993
557-5	425	25	250		206978	0.0256
557-5PK2	425	10	10	✓	200167	0.1495
557-6	425	25	250		203236	0.0307
557-6PK2	425	10	10	✓	200181	0.2035
557-7	425	25	250		202901	0.0428
557-7PK2	425	10	10	✓	200204	0.2487
557F2	425	100	1000		203250	0.0163
557F3	425	50	500		203267	0.0212
557F4	425	50	500		203274	0.0291
557F5	425	10	10		200716	0.1083
557F6	425	10	10		200723	0.1083
557F7	425	10	10		200730	0.1330
558-2	426	50	500		265418	0.0210
558-23	428	100	1000		266606	0.0090
558-23B	428	100	1000		267788	0.0092
558-2PK2	426	10	10	✓	201522	0.1263
558-3	426	50	500		265425	0.0164
558-3PK2	426	10	10	✓	201560	0.1033
558-4	426	25	250		265432	0.0163
558-E1	426	50	500		203366	0.0235
558-E2	426	50	500		265388	0.0193
558-E2PK2	426	10	10	✓	201300	0.1257
558-E3	426	50	500		265395	0.0174
558-E3PK2	426	10	10	✓	201348	0.1167
558-E4	426	25	250		265401	0.0163
558-E4PK2	426	10	10	✓	201379	0.0929
558-M2	427	100	1000		265975	0.0072
558-M2C	427	50	1000		266743	0.0073
558-M2G	427	100	1000		266255	0.0083
558-M2H	427	50	1000		266750	0.0073
558-M2PK2	427	10	10	✓	227027	0.0612
558-M2R	427	100	1000		203410	0.0073
558-M3	427	100	1000		266118	0.0070
558-M3C	427	50	1000		266767	0.0069
558-M3G	427	100	1000		266262	0.0124
558-M3H	427	50	1000		266774	0.0069
558-M3PK2	427	10	10	✓	227034	0.0525
558-M3R	427	100	1000		203434	0.0070
558-M4	427	25	250		203441	0.0062
558-M4C	427	50	1000		266781	0.0051
558-M4G	427	25	250		266279	0.0068
558-M4H	427	50	1000		266798	0.0051
558-M4PK2	427	10	10	✓	200228	0.0507
558-M4R	427	25	250		203458	0.0063
558F23	428	100	1000		247490	0.0160
558FM2	427	10	100		203465	0.0151
558FM3	427	10	100		203472	0.0173
558FM4	427	5	25		203489	0.0185
559-2	425	100	1000		265364	0.0105
559-2PK2	425	10	10	✓	201102	0.0779
559-3	425	50	1000		203311	0.0136
559-3PK2	425	10	10	✓	201140	0.0914
559-4	425	50	500		200235	0.0191
559-4PK2	425	10	10	✓	265371	0.1235
559-5	425	25	250		200242	0.0322
559-5PK2	425	10	10	✓	203540	0.1770
559-6	425	25	250		200280	0.0370
559-6PK2	425	10	10	✓	203533	0.2146
559-7	425	25	250		200303	0.0484
559-7PK2	425	10	10	✓	203427	0.2840
559F2	425	100	1000		203571	0.0199
559F3	425	50	500		203403	0.0253
559F4	425	50	500		203397	0.0364
559F5	425	10	10		200754	0.0746
559F6	425	10	10		200778	0.0836
559F7	425	10	10		200792	0.0905

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
570	466	24	24		203632	0.3040
570-10	466	24	24		203649	0.4738
570-20	466	24	24		203656	0.5737
570-22	466	24	24		203380	0.5697
570-24	466	24	24		203670	0.5660
570-53	466	50	1000		203373	0.0360
570-58	466	50	50		203663	0.0630
571	467	24	24		203700	0.3258
571-10	467	24	24		203717	0.4332
571-145	467	24	24		203731	0.7078
571-20	467	24	24		206916	0.5355
571-22	467	24	24		203755	0.5315
572	466	24	24		265869	0.3491
572-20	466	24	24		203793	0.6133
572-22	466	24	24		203809	0.6093
572-24	466	24	24		203816	0.6333
572-53	466	50	250		208132	0.0369
572-58	466	50	50		203823	0.0710
574-104	438	50	50		506641	0.1299
574-72	438	50	50		506658	0.1081
574-74	438	50	50		200686	0.0905
574-75	438	50	50		506665	0.1041
575-100Q	469	1	12		268365	2.0704
590-10	437	1	10		503022	1.0693
590-11	437	10	50		316905	0.0430
590-4411	470	1	5	✓	267931	1.6300
590-4411-3	470	1	5	✓	200136	1.8940
590-4412	470	1	5	✓	267948	1.7200
590-4413	470	1	5	✓	267955	1.5400
590-4413-R	470	1	5	✓	200358	1.8490
590-4421	470	1	5	✓	267962	1.9100
590-4421-3	470	1	5	✓	200129	2.1600
590-4422	470	1	5	✓	267979	2.1000
590-4423	470	1	5	✓	267986	2.1000
590-4433	470	1	5	✓	268020	2.0780
590-4434	470	1	5	✓	268013	2.0860
590-4435	470	1	5	✓	268037	2.5080
590-4436	470	1	5	✓	268044	2.4550
590-44ND1	470	1	12	✓	267993	0.0904
590-44ND2	470	1	12	✓	268006	0.1124
590-44ND3	470	1	12	✓	268051	0.8774
590-44ND4	470	1	12	✓	268068	1.0274
590-44ND4-BIT	470	1	12	✓	268075	0.0838
591-06B	437	1	10		266958	0.3216
591-081	437	1	10		266309	0.5313
598-010	477	1	1		200617	14.6450
598-011	477	1	1		200648	14.3050
598-012	477	1	1		200679	21.2000
600-203	181	50	500		400116	0.0768
600-204CV	195	10	10	✓	440402	1.0406
600-204V	195	10	10	✓	400406	0.7055
600-206	181	25	250		400147	0.1533
600-206C	181	25	25		400154	0.3650
600-206CPK	181	10	10	✓	440563	0.3741
600-206PK	181	10	10	✓	400567	0.1678
600-212	181	50	50		400161	0.3081
600-212C	181	25	25		400178	0.5201
600-212CPK	181	10	10	✓	440624	0.5205
600-212N	181	25	25		400185	0.3387
600-212PK	181	10	10	✓	400628	0.3251
600-303	181	25	250		400192	0.1210
600-304CV	195	10	10	✓	440426	1.6786
600-304V	195	10	10	✓	400420	1.1171
600-306	181	50	50		400222	0.2431
600-306C	181	25	25		400239	0.6575
600-306CPK	181	10	10	✓	440761	0.6665
600-306PK	181	10	10	✓	400765	0.2528
600-312	181	50	50		400246	0.4799
600-312C	181	25	25		400253	0.8931
600-312CPK	181	10	10	✓	440822	0.8878
600-312N	181	25	25		400260	0.5109
600-312PK	181	10	10	✓	400826	0.4951
600-G204CV	195	10	10	✓	441003	1.0406
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

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.)
616-C2PK	156	10	10	✓	492968	0.4999
616-CG2E3	156	50	50		412355	0.1619
616X1PX	43	50	50		482976	0.4455
616X2PX	43	50	50		482969	0.4435
616X2PXP2	43	20	20	✓	482945	0.4370
622-L06	187	100	100		401489	0.1331
622-L06PK	187	100	100	✓	400079	0.1394
622-L08	187	100	100		401496	0.1767
622-L08N	187	25	25		401519	0.1984
622-L08PK	187	100	100	✓	400093	0.1830
622-L08W	188	100	100		401236	0.1903
622-L09CF	180	25	25		401533	0.2856
622-L10	187	100	100		401540	0.2203
622-L12	187	100	100		401557	0.2653
622-L15	187	100	100		401564	0.3287
622-L18	187	100	100		401571	0.3980
622-L24	187	50	50		401595	0.5347
622-L24E	187	20	20		401601	0.6053
622-M06	187	100	100		495259	0.0983
622-M06PK	187	20	20	✓	400062	0.1075
622-M08	187	100	100		401465	0.1304
622-M08PK2	187	10	10	✓	400086	0.1526
622-M10	187	100	100		400109	0.1625
622-M12	187	100	100		401656	0.1946
622-M12PK2	187	10	10	✓	400123	0.2157
622-M15	187	100	100		401649	0.2422
622-M18	187	100	100		401687	0.2943
622-M24	187	50	50		401694	0.3956
623-L06	187	50	50		401700	0.2203
623-L08	187	50	50		401717	0.2956
623-L12	187	50	50		401724	0.4503
623-L15	187	50	50		401748	0.5682
623-L18	187	50	50		401755	0.6636
623-L24	187	50	50		401762	0.9494
624-L08	187	30	30		401809	0.4306
624-L12	187	30	30		401823	0.6557
624-L12D	188	30	30		401830	0.6557
624-L15	187	30	30		401847	0.8271
624-L18	187	30	30		401854	0.9676
624-L18D	188	30	30		401861	0.9676
624-L24	187	30	30		401878	1.3824
624-L24D	188	30	30		401885	1.3824
629-06	189	100	100		401908	0.2382
629-12	189	50	50		401915	0.4639
629-L15	189	50	50		401922	0.2758
629-M	189	50	50		401939	0.3612
629-WCL	189	50	50		401946	0.7740
629-WCMPK	189	50	50	✓	456403	0.5490
630-C2412	160	50	50		401960	0.3620
630-C248	160	50	50		401977	0.2686
630-C248E	160	25	25		401984	0.3359
630-C248PK	160	10	10	✓	490735	0.2937
630-C287	160	50	50		401991	0.3454
630-C348	160	50	50		401618	0.7196
630-C3612	160	25	25		406026	0.7036
630-C41110	160	25	25		400338	1.1968
630-C41110E	160	10	10		407481	1.2150
630A248E	134	25	25		486639	0.3455
630A261186	134	25	25		432186	0.3395
630A266687	134	5	40		432179	0.6732
630A348E	134	25	25		486622	0.6857
630V248E	93	25	25		495181	0.3552
630WG2138	109	50	50		406712	0.4810
630WG248	109	50	50		404633	0.3100
630WG248E	110	25	25		404640	0.3378
630WG2813	109	50	50		411143	0.5112
630WG348	109	25	25		404657	0.5698
630WG348E	110	25	25		404664	0.6224
630WG4612	109	25	25		406705	1.1985
630WG4612E	110	10	10		406699	1.2885
630WGD288E	110	25	25		406682	0.6452
630X146	50	50	50		402035	0.2014
630X148	50	50	50		400345	0.2426
630X148E	51	25	25		400369	0.3045

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
630X2138	50	50	50		403445	0.4601
630X2412	50	50	50		400376	0.3398
630X2412E	51	25	25		441706	0.3843
630X246	50	50	50		403438	0.2014
630X246E	51	25	25		402097	0.2606
630X246PK	50	20	20	✓	480927	0.2139
630X248	50	50	50		402110	0.2426
630X248E	51	25	25		495266	0.3018
630X248EPK	51	20	20	✓	480965	0.3243
630X248N	50	25	25		403421	0.2686
630X248PK	50	6	6	✓	480941	0.2504
630X3136	50	50	50		402134	0.6660
630X3412	50	50	50		400352	0.5745
630X348	50	50	50		402158	0.4338
630X348E	51	25	25		403339	0.4942
630X4612	50	25	25		410184	0.8818
630X4612E	51	10	10		441690	0.9531
630X468	50	25	25		410177	0.6376
630X468E	51	10	10		441713	0.7650
630XD288	50	25	25		487117	0.5537
631-33F	195	25	25		403315	0.2633
631-C307	161	25	25		402196	0.4578
631-C307FRV	161	10	10		413154	1.8550
631-CG307FP	161	10	10		411389	1.2050
631-G305FP	195	25	25		413338	0.0276
631A02FP	136	25	25		403988	1.1520
631VG02FP	94	12	12		411754	1.1338
631W02	112	25	25		411303	0.3325
631WG02FP	113	12	12		411785	1.0600
631X02	54	25	25		402257	0.3167
631X06	54	25	25		402271	0.4034
631XG02FP	54	12	12		403216	1.0586
631XM	54	25	25		403308	0.4120
631XS	54	50	50		402318	0.3262
632-C263	161	50	50		402332	0.1892
632-C263PK	161	10	10	✓	491466	0.2015
632-C263X	161	50	50		403278	0.2748
632-C263XPK	161	10	10	✓	499936	0.2940
632-C263Y	161	50	50		402356	0.2581
632-C263YPK	161	10	10	✓	499943	0.2751
632-C283	161	50	50		402530	0.2480
632-C283PK	161	10	10	✓	491480	0.2732
632-C2123	161	50	50		403261	0.3415
632A260537	133	50	300		432056	0.1327
632A260557	133	35	35		432063	0.3964
632A260757	133	25	150		432025	0.2400
632A260767	133	20	120		432032	0.3617
632A260817	133	25	150		432049	0.2792
632A261196	135	50	50		414434	0.2700
632A263X	135	50	50		402851	0.3521
632A263Y	135	50	50		402875	0.3336
632AG222	132	50	300		414335	0.1300
632AG225	132	25	150		414373	0.2400
632AG235	132	35	35		414359	0.3900
632AG332	132	25	150		414410	0.2700
632AG335	132	20	120		414397	0.3600
632QB222F	214	6	6	✓	406262	0.1875
632QB222M	214	6	6	✓	406255	0.1917
632QB444M	214	6	6	✓	411112	0.5212
632V273	94	50	50		495389	0.2502
632V273X	94	50	50		495365	0.3215
632V273Y	94	50	50		495396	0.3026
632W273X	112	50	50		402387	0.3314
632WG222M	108	50	50		409416	0.2512
632WG263	112	50	50		406743	0.2513
632WG263Y	112	50	50		406736	0.2902
632WG332	108	25	25		409423	0.2350
632WG335	109	25	25		409430	0.1630
632X117	46	50	50		402394	0.1182
632X121M	44	50	50		403643	0.1049
632X122	46	100	500		402400	0.0924
632X125	46	100	1000		402417	0.0492
632X125PK2	46	10	10	✓	487308	0.1206
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.)
637X20PK2	48	10	10	✓	481528	0.1069
637X235	45	50	50		403254	0.1816
637X25	48	50	50		481580	0.0606
637X335	45	25	25		487902	0.1868
637X335PK2	45	10	10	✓	498816	0.1969
637X410	47	50	500		403285	0.0531
637X413	47	50	50		403292	0.0966
637X420	47	50	50		481641	0.0567
637X423	47	50	50		481689	0.0986
637X423PK	47	10	10	✓	401663	0.1209
637X711	49	50	50		403377	0.0964
637X721	49	50	50		405920	0.0963
637X920	61	25	250		403346	0.0935
637X920PK2	61	10	10	✓	485403	0.1158
637X9220	61	25	250		485427	0.1238
637X9220PK2	61	10	10	✓	401632	0.1238
637XB10	49	50	50		441928	0.0613
637XB20	49	25	25		441935	0.0666
637XB23H	45	5	50		408990	0.1292
637XB25	49	50	50		441942	0.0866
637XP20	91	50	500		432155	0.0264
637XP25	91	50	500		432476	0.0540
637XP30	91	10	100		432483	0.0720
638A266577	135	100	100		432209	0.2935
638WG208	111	50	50		411150	0.2435
638WG212E	111	50	50		406774	0.3677
638WG215	111	50	50		411167	0.3968
638X208	52	100	100		403360	0.1767
638X208PK	52	20	20	✓	481306	0.1906
638X212	52	100	100		481320	0.2613
638X212E	52	50	50		499837	0.3187
638X312	52	50	50		403384	0.4503
638XT263	51	25	25		403391	0.2335
638XT283	51	25	25		403407	0.2725
640A235267	128	20	120		431271	0.3195
640A260087	128	100	600		431240	0.0648
640A260397	128	60	360		431257	0.1102
640A260497	128	30	180		431264	0.1928
640AG2	127	100	100		414458	0.0600
640AG3	127	60	60		414472	0.1100
640AG4	127	30	30		414496	0.1900
640W02	105	100	1000		408440	0.0448
640W03	105	100	100		408457	0.0950
640X05	86	10	100		499608	0.1387
640X06	86	10	50		499592	0.2217
640XB01	37	100	1000		482624	0.0174
640XB01PK2	37	20	20	✓	482600	0.0474
640XB02	37	100	1000		482662	0.0233
640XB02PK2	37	20	20	✓	482648	0.0593
640XB03	37	100	1000		482709	0.0465
640XB03PK2	37	20	20	✓	482686	0.0934
640XB04	37	25	250		482716	0.0816
640XB04PK1	37	6	6	✓	420374	0.0779
640XB04PK2	37	20	20	✓	482693	0.1766
640XG01	37	100	1000		404626	0.0162
640XG02	37	100	1000		408648	0.0228
640XG03	37	100	1000		408655	0.0465
640XG04	37	25	250		408662	0.0764
640XP12	90	100	1000		403452	0.0047
640XP13	90	100	1000		403469	0.0088
640XP14	90	25	250		498908	0.0169
641-222	220	50	500		403476	0.0536
641-222X	59	50	50		403483	0.1504
641-222XPK2	59	10	10	✓	486684	0.1653
641-332	220	20	200		403490	0.0957
641-332X	59	50	50		486721	0.2378
641-333	220	20	200		403513	0.1094
641-333X	59	50	50		403520	0.2573
641-333XPK2	59	10	10	✓	486738	0.2716
641A235607	126	5	30		431714	1.1147
641A235617	126	5	30		431721	1.0050
641A235627	126	5	30		431738	0.7180
641A235637	126	5	30		431745	1.0487
641A235657	126	5	30		431752	0.9190

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
641A235677	126	5	30		431769	0.8442
641A235807	126	2	12		431776	1.8742
641A235817	126	2	12		431783	1.6667
641A235827	126	2	12		431790	1.4200
641A235837	126	2	12		431806	1.7463
641A235847	126	2	12		431813	1.6442
641A235857	126	2	12		431820	1.4892
641A235867	126	2	12		431837	1.3454
641A235877	126	2	12		431844	1.2658
641A235887	126	2	12		431851	1.2213
641A236007	126	1	6		431868	3.3633
641A236017	126	1	6		431875	2.8568
641A236027	126	1	6		431882	2.6142
641A236037	126	1	6		431899	2.2597
641A236047	126	1	6		431905	3.0942
641A236057	126	1	6		431912	2.9523
641A236067	126	1	6		431929	6.2200
641A236077	126	1	6		431936	2.2942
641A236087	126	1	6		431943	2.1242
641A236097	126	1	6		431950	2.2058
641A260607	126	25	150		431578	0.2493
641A260617	126	15	90		431585	0.4200
641A260627	126	20	120		431592	0.3583
641A260637	126	20	120		431608	0.3050
641A260647	126	15	90		431615	0.3667
641A260687	126	10	60		431622	0.6900
641A260697	126	10	60		431639	0.5000
641A260707	126	10	60		431646	0.7000
641A260727	126	10	60		431653	0.5000
641A260857	126	20	120		431660	0.3133
641A260897	126	10	60		431677	0.5533
641A260977	126	8	48		431684	0.7500
641AG222	125	25	150		414465	0.2400
641AG223	125	20	120		414588	0.3100
641AG322	125	20	120		414526	0.3000
641AG323	125	15	90		414540	0.3600
641AG332	125	20	120		414502	0.3500
641AG333	125	15	90		414489	0.4200
641AG334	125	10	60		414595	0.5500
641AG433	125	10	60		414557	0.5000
641AG442	125	10	60		414571	0.5000
641AG443	125	10	60		414564	0.7000
641AG444	125	8	48		414601	0.7500
641AG544	125	5	30		414366	0.9100
641AG553	125	5	30		414342	0.7100
641AG554	125	5	30		414533	1.0000
641AG555	125	5	30		414519	1.1342
641AG664	125	2	12		414403	1.4200
641AG666	125	2	12		414380	1.8700
641AG774	125	1	6		414441	2.2500
641AG777	125	1	6		414427	3.3600
641QB222	212	12	12	✓	406279	0.2241
641QB322	212	12	12	✓	406286	0.2838
641QB323	212	6	6	✓	406293	0.3558
641QB332	212	6	6	✓	406309	0.3442
641QB333	212	6	6	✓	406316	0.3942
641QB334	212	6	6	✓	411129	0.5417
641QB424	212	6	6	✓	411136	0.6167
641QB443	212	6	6	✓	406323	0.5408
641QB444	212	6	6	✓	406330	0.3250
641W222	104	50	500		408464	0.0684
641W332	104	20	200		408471	0.2961
641W333	104	20	200		408488	0.2925
641WG222	103	50	50		409447	0.1360
641WG223	103	20	20		409454	0.2534
641WG322	103	20	20		409461	0.2751
641WG323	103	20	20		409478	0.2767
641WG332	103	20	20		409485	0.2913
641WG333	103	20	20		409492	0.2888
641WG334	103	20	20		409508	0.4498
641WG433	103	20	20		409515	0.4630
641WG442	103	20	20		409522	0.4740
641WG443	103	20	20		409546	0.4870
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.)	Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
643WG4	105	25	25		409683	0.2015	644X43	38	25	250		403995	0.1064
643WG43	105	25	25		409690	0.1412	644X45	86	10	50		498533	0.1634
643WG5	105	5	5		409706	0.3100	644X4PK2	38	5	5	✓	482242	0.2207
643WG6	105	5	5		409713	0.4680	644X5	86	10	50		498526	0.2007
643WG7	105	5	5		409720	1.0486	644XB1	40	100	1000		442079	0.0427
643X1	38	100	1000		481726	0.0282	644XB2	40	100	1000		442086	0.0448
643X11	38	100	1000		403803	0.0208	644XB2PK3	40	100	500	✓	400550	4.2830
643X1PK2	38	20	20	✓	481702	0.0682	644XB3	40	50	500		442093	0.0790
643X2	38	100	1000		481764	0.0262	644XB32	40	50	500		442109	0.0735
643X202	38	50	500		403827	0.0442	644XB4	40	25	250		442116	0.1294
643X208	52	100	100		403834	0.1740	644XB43	40	25	250		442123	0.1441
643X212	52	100	100		403841	0.2613	644XB4PK1	40	25	25	✓	420510	0.1359
643X23	38	50	100		481771	0.0353	644XG1	40	100	500		408815	0.0451
643X23PK2	38	20	20	✓	481757	0.0792	644XG2	40	100	1000		408822	0.0442
643X2PK2	38	20	20	✓	481740	0.0642	644XG3	40	50	500		408839	0.0595
643X3	38	50	500		481849	0.0524	644XG32	40	50	500		408846	0.0773
643X32	38	50	500		481801	0.0528	644XG4	40	25	250		408853	0.1265
643X32PK2	38	10	10	✓	481788	0.1243	644XG43	40	25	250		408860	0.1346
643X34	38	25	250		403889	0.0866	645-2	220	100	1000		404008	0.0226
643X3PK2	38	10	10	✓	481825	0.1240	645-3	220	50	500		404015	0.0454
643X4	38	25	250		481924	0.1048	645-C2G	158	50	50		404114	0.0885
643X43	38	25	250		403902	0.0846	645-C3G	158	50	50		404107	0.1893
643X5	86	10	100		498571	0.1735	645A235517	127	10	10		431226	0.4165
643X6	86	10	100		410283	0.2926	645A235527	127	5	5		431165	0.5150
643XB1	39	100	1000		442000	0.0297	645A235717	127	5	30		431233	0.6098
643XB2	39	100	1000		442017	0.0340	645A235727	127	5	30		431172	0.7548
643XB23	39	50	500		442239	0.0424	645A235737	127	5	30		431189	0.5433
643XB2PK3	39	5	5	✓	400451	3.6000	645A235917	127	3	18		431196	1.0375
643XB3	39	50	500		410498	0.0653	645A235927	127	3	18		431202	1.3330
643XB32	39	50	500		442031	0.0639	645A235937	127	3	18		442147	0.9422
643XB34	39	25	250		442048	0.0796	645A235947	127	3	18		431219	0.9333
643XB4	39	25	250		442055	0.1090	645A243517	127	70	420		431097	0.0779
643XB43	39	25	250		442062	0.0994	645A260227	127	60	60		431103	0.1148
643XG1	39	100	1000		408730	0.0339	645A260247	127	45	45		431110	0.1501
643XG2	39	100	1000		408747	0.0346	645A260317	127	35	35		431127	0.1813
643XG23	39	50	500		408754	0.0422	645A260427	127	20	20		431134	0.3083
643XG3	39	50	500		408761	0.0654	645A260447	127	25	25		431141	0.2382
643XG32	39	50	500		408778	0.0622	645A3P	137	50	50		404671	0.3932
643XG34	39	25	250		408785	0.0789	645A4P	137	20	20		404862	0.5599
643XG4	39	25	250		408792	0.1132	645AC2	137	50	50		409317	0.1600
643XG43	39	25	250		408808	0.1145	645AC3	137	50	50		409324	0.3628
644-2	220	100	1000		403919	0.0273	645AC4	137	20	20		409331	0.5584
644-3	220	50	500		403926	0.0641	645AG1	127	70	70		414830	0.0700
644A260047	129	65	65		431325	0.0923	645AG2	127	60	60		414847	0.1100
644A260807	129	35	210		431332	0.2380	645AG3	127	35	35		414854	0.1800
644AG2	129	65	65		414779	0.0900	645AG32	127	45	45		414861	0.1500
644AG3	129	25	25		414755	0.2600	645AG4	127	20	20		414878	0.3000
644AG4	128	20	20		414762	0.4000	645AG43	127	25	25		414885	0.2300
644AG43	129	35	35		414786	0.2300	645AG5	127	5	5		414809	0.5100
644AG5	128	5	5		415035	0.5300	645AG54	127	10	10		414793	0.4100
644AG6	128	5	5		414694	1.1500	645AG6	127	5	5		414816	0.7500
644AG7	128	3	3		414717	1.6600	645AG64	127	5	5		414823	0.5400
644W2	106	100	100		408549	0.0322	645AG7	127	3	3		431202	1.3300
644W3	106	50	50		410610	0.1517	645QB2	212	12	12	✓	406415	0.1412
644W4	106	25	25		408556	0.2550	645QB3	212	12	12	✓	406422	0.2217
644WG2	106	100	100		409737	0.0661	645QB32	212	6	6	✓	406439	0.1970
644WG23	106	50	50		409676	0.0956	645QB4	212	6	6	✓	406446	0.3480
644WG3	106	50	50		409744	0.1471	645QB43	212	6	6	✓	406453	0.2980
644WG32	106	50	50		409973	0.0076	645QB5	212	3	3	✓	406460	0.7983
644WG4	106	25	25		409751	0.2641	645QB6	212	3	3	✓	406477	1.5333
644WG43	106	25	25		409768	0.2080	645QB7	212	3	3	✓	406484	2.1450
644WG5	106	5	5		409775	0.3540	645VC2	95	50	50		496386	0.1114
644WG6	106	5	5		409782	0.5503	645VC3	95	50	50		496287	0.2162
644WG7	106	5	5		409799	1.0287	645VC4	95	20	20		496522	0.3613
644X1	38	100	1000		482020	0.0282	645WC2	115	50	50		404046	0.0833
644X1PK2	38	20	20	✓	482006	0.0682	645WC3	115	50	50		404053	0.1883
644X2	38	100	1000		495273	0.0281	645WC4	115	20	20		404060	0.4634
644X2PK2	38	20	20	✓	482044	0.0680	645WG2	104	100	100		409805	0.0651
644X3	38	50	500		495280	0.0569	645WG3	104	50	50		409812	0.1302
644X32	38	50	500		482105	0.0566	645WG32	104	50	50		409829	0.1122
644X32PK2	38	10	10	✓	482082	0.1324	645WG3P	115	50	50		404879	0.2896
644X34	38	25	250		403971	0.0756	645WG4	104	25	25		409836	0.2308
644X3PK2	38	10	10	✓	482129	0.1324	645WG43	104	25	25		409843	0.1929
644X4	38	25	250		482266	0.1125	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.)
646XB34	41	50	50		410528	0.1800
646XB34PK2	41	25	25	✓	494313	0.1927
646XB3PK2	41	20	20	✓	483188	0.1824
646XB4	41	50	50		483249	0.2789
646XB43	41	50	50		410511	0.2789
646XB4PK2	41	20	20	✓	483225	0.2911
646XG12PK2	41	20	20	✓	407306	0.1234
646XG2	41	100	100		406958	0.1082
646XG23	41	50	50		408945	0.1094
646XG23PK2	41	20	20	✓	406965	0.0934
646XG3	41	25	250		406972	0.2014
646XG32	41	50	50		406989	0.1965
646XG34	41	25	25		406996	0.2357
646XG4	41	50	50		407054	0.2789
646XG43	41	50	50		408952	0.2739
646XG43PK2	41	20	20	✓	407078	0.2509
646XP2	90	100	100		432711	0.0164
646XP23	90	50	50		432728	0.0198
646XP3	90	25	250		432742	0.0254
646XP32	90	50	50		432735	0.0240
646XP4	90	25	250		404220	0.0211
647-C2D	157	50	50		404558	0.2052
647-C2DPK2	157	10	10	✓	493224	0.3073
647-C2DW	157	50	50		404565	0.2248
647-C2DWPK2	157	10	10	✓	493248	0.3193
647-C2E3	156	50	50		498564	0.3414
647-C2E3PK2	156	10	10	✓	492920	0.3578
647-C3E	156	25	25		407566	0.4312
647-C4E	156	10	10		407573	0.7242
647-C5	154	10	10		499349	0.6990
647-C6	154	10	10		499356	0.9932
647-C7	154	10	10		499363	1.5275
647-CG2	154	50	50		406927	0.1073
647-CG3	154	50	50		406934	0.1640
647-CG4	154	20	20		406941	0.4251
647-P3	174	50	50		404602	0.2894
647-P4	174	20	20		404619	0.4276
647-P5	174	1	10		499004	0.7566
647-P6	174	1	10		499370	1.0076
647-P7	174	1	10		499387	1.4509
647-PG3	174	50	50		407245	0.2894
647-PG4	174	20	20		407252	0.4276
647A260287	130	35	35		431516	0.1589
647A260387	130	25	25		431523	0.2872
647A260487	130	10	10		431530	0.5239
647A260667	131	20	20		431547	0.3000
647A260777	131	15	90		431554	0.4778
647A260787	131	8	48		431561	0.9181
647AG2	130	35	35		414991	0.1500
647AG2E	131	20	20		415028	0.3000
647AG3	130	25	25		415004	0.2800
647AG4	130	10	10		415011	0.5200
647QB2	213	12	12	✓	406538	0.1358
647QB2E	214	6	6	✓	406545	0.2350
647QB3	213	6	6	✓	406552	0.2250
647QB32	213	6	6	✓	406569	0.1975
647QB34	213	6	6	✓	406576	0.2792
647QB4	213	6	6	✓	406583	0.3133
647QB43	213	1	6	✓	410672	0.2792
647W2	107	50	250		408594	0.1367
647W2E	108	50	50		406859	0.2824
647W3	107	50	50		408600	0.1985
647WG2	107	50	50		409942	0.1391
647WG23	107	50	50		409959	0.1684
647WG3	107	50	50		409966	0.1960
647WG32	107	25	25		409607	0.2084
647WG4	107	25	25		409980	0.4363
647WG43	107	25	25		409997	0.3923
647WG5	107	5	5		410016	0.5503
647WG6	107	5	5		410030	0.8236
647WG7	107	5	5		410535	1.6813
647X1E	43	50	50		482884	0.2407
647X1EPK2	43	20	20	✓	482860	0.2578
647X23E	43	50	50		482938	0.2462

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
647X23EPK2	43	20	20	✓	482914	0.2632
647X2E	43	50	50		495297	0.2600
647X2EPK2	43	20	20	✓	482907	0.2531
647X2EPK3	43	50	50	✓	482921	0.2650
647X2HE	43	50	50		412386	0.3092
647XB2	42	50	250		483027	0.1398
647XB23	42	50	50		410559	0.1881
647XB23PK2	42	10	10	✓	483010	0.2063
647XB2PK2	42	10	10	✓	483003	0.1463
647XB3	42	50	50		483065	0.1944
647XB3PK2	42	10	10	✓	483041	0.2124
647XB4	42	50	50		410504	0.3785
647XB4PK2	42	10	10	✓	494320	0.3927
647XG2	42	50	250		407092	0.1181
647XG23PK2	42	10	10	✓	407115	0.2063
647XG3	42	50	50		407139	0.1944
647XG4	42	50	50		407153	0.3436
648-82	192	10	10		499288	0.5809
648-83	192	10	10		499271	1.0227
648-84	192	10	10		499226	1.4230
648-C2W	164	10	10		404732	0.6299
648-C3W	164	10	10		404770	0.8697
648-CG2FP	164	10	10		411921	0.6930
648-CG2FPD	164	10	10		412058	0.5360
648-CG3FP	164	10	10		412102	1.0427
648-CG3FPD	164	10	10		412119	0.8972
648-CG4FP	164	10	10		412126	1.2560
648-CG4FPD	164	10	10		412133	1.5452
648-CG5FP	164	5	5		412140	2.7914
648-CG6FP	164	1	1		412157	4.3159
648-CG7FP	164	1	1		412164	6.6868
648-P3FP	176	10	10		404794	1.0824
648-P4FP	176	10	10		404800	1.6298
648-P5FP	176	5	5		498939	4.4160
648-P6FP	176	1	1		498946	3.8203
648-P7FP	176	1	1		498953	5.7879
648A261376	139	18	18		432117	0.5000
648A261476	139	12	72		432124	0.0715
648A261906	138	24	24		432131	0.4375
648A261946	139	24	24		432070	0.3330
648A261956	138	12	12		432087	0.5542
648A261976	139	18	18		432094	0.3889
648A261996	139	18	18		432100	0.3982
648A4FP	138	10	10		404138	1.7686
648QB2	215	12	12	✓	406590	0.4142
648QB220A	215	12	12	✓	406606	0.2925
648QB220S	215	12	12	✓	406613	0.2788
648QB3	215	12	12	✓	406620	0.6217
648QB4	215	6	6	✓	406637	1.1275
648QB220A	215	12	12	✓	406644	0.3200
648VG2FP	95	10	10		412997	0.5900
648VG3FP	95	10	10		413000	0.9015
648VG4FP	95	10	10		413017	1.4800
648WG2FP	115	10	10		412362	0.5895
648WG3FP	115	10	10		412379	0.9015
648WG4FP	115	10	1		412348	1.4795
648X2	60	10	100		506955	0.3135
648X2PK	60	10	10		485007	0.2991
648X2W	60	12	12		506993	0.5588
648X2WPK	60	10	10	✓	485144	0.5659
648X3	60	10	100		507006	0.4150
648X3PK	60	10	10		485021	0.4450
648X3W	60	12	12		507020	0.7173
648X3WPK	60	10	10	✓	485168	0.7218
648X4	60	6	60		442178	0.7369
648X4FP	60	10	10		495341	1.3767
648X4FPPK	60	6	6	✓	485045	1.4186
648X92PK1	60	12	12	✓	441874	0.1648
648X93PK1	60	12	12	✓	441881	0.3480
648XG2	60	10	120		406866	0.2994
648XG3	60	8	96		406873	0.4171
648XG4	60	4	40		406880	0.5872
649-1	219	100	1000		404817	0.0103
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-TCO	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
672WGO240	119	1	10		407412	0.4610	672X0830	71	25	25		405203	1.2822
672WGO340	119	1	10		407405	0.6952	672X0833EE	70	10	10		405210	1.7579
672WGO3C0	120	10	10	✓	412300	1.0330	672X0840	73	25	25		406118	1.3394
672WGO430	119	1	10		412874	1.1217	672X0844	71	25	25		406125	1.4826
672WGO440	119	1	10		407337	0.8440	672X0870	70	10	10		497932	1.1901
672WGO4C0	120	10	10	✓	412294	1.2053	672X0877	68	10	10		497864	1.2691
672WGO630	119	1	10		411938	1.5376	672X0890	69	25	25		405227	1.1901
672WGO640	119	1	10		407368	1.0740	672X0897	68	10	10		497765	1.1901
672WGO6C0	120	10	10	✓	412287	1.3748	672X0899	67	25	25		480187	1.1901
672WGO830	119	1	10		411884	2.0439	672X0930	71	25	25		405241	1.4109
672WGO840	119	1	10		407375	2.0465	672X0990	69	25	25		405258	1.2998
672WGO8C0	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
672WVO230	119	1	10		407726	1.1797	672X1230	71	25	25		405296	1.7731
672WVO330	119	1	10		407719	1.6940	672X1233EE	70	10	10		405302	3.0547
672WVO344	120	1	10	✓	411204	1.5135	672X1240	73	25	25		405319	1.7731
672WVO430	119	1	10		407702	2.8388	672X1244	71	25	25		406132	1.9955
672WVO444	120	1	10	✓	411211	1.9247	672X1270	70	10	10		497918	1.7832
672WVO630	119	1	10		407696	2.9185	672X1277	68	10	10		497901	1.8036
672WVO644	120	1	10	✓	411228	2.8185	672X1290	69	25	25		480460	1.5824
672WVO830	119	1	10		407689	5.1138	672X1297	68	10	10		498427	1.7832
672WVO844	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-G211120	203	10	10	✓	413345	0.6120
689C1112	167	12	12	✓	481610	1.3558	694-G211123	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.)	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	834-6DSR	340	1	1	✓	310781	21.5000
834-3DHNQ	346	1	1	✓	315670	4.1400	840-20A	378	20	20	✓	300720	0.4205
834-3DHNR	346	1	1	✓	315687	3.3900	840-20ANR	379	1	10	✓	300737	0.9172
834-3DHSQ	346	1	1	✓	315694	4.1400	840-20P	378	20	20	✓	300607	0.5353
834-3DHSR	346	1	1	✓	315700	3.3900	840-20PNR	379	1	10	✓	300768	1.0955
834-3DIR	339	1	1	✓	376404	10.7071	840-27A	379	20	20	✓	351579	0.4077
834-3DNQ	339	1	1	✓	376411	12.8062	840-27P	379	20	20	✓	300775	0.4885
834-3DNR	339	1	1	✓	376428	11.1554	840-2A	378	20	20	✓	300782	0.4077
834-3DSQ	339	1	1	✓	307057	12.0314	840-2APK	378	10	10	✓	300546	0.4470
834-3DSR	339	1	1	✓	307064	11.2272	840-2P	378	20	20	✓	300799	0.4933
834-3HNQ	347	1	1	✓	315489	2.7400	840-2PPK	378	10	10	✓	300508	0.5573
834-3HNR	347	1	1	✓	314727	2.1279	840-30A	378	1	20	✓	352491	0.4975
834-3HSQ	347	1	1	✓	315496	2.7400	840-30ANR	379	1	10	✓	352514	0.8518
834-3HSR	347	1	1	✓	315502	2.0600	840-30P	378	1	20	✓	351555	0.5992
834-3PF	342	1	10	✓	374219	1.6894	840-30PNR	379	1	10	✓	300812	1.0450
834-3PNQ	342	1	1	✓	374622	5.8107	840-37A	379	1	10	✓	352545	0.5118
834-3PNR	342	1	1	✓	374196	4.4151	840-37P	379	1	10	✓	300829	0.5996
834-3PSQ	342	1	1	✓	307071	5.6744	840-3A	378	20	20	✓	300836	0.4500
834-3PSR	342	1	1	✓	307088	4.7500	840-3APK	378	10	10	✓	300744	0.4700
834-3PTR	342	1	1	✓	374189	3.5242	840-3P	378	20	20	✓	300843	0.5784
834-3SF	343	1	1	✓	307095	7.1700	840-3PPK	378	10	10	✓	300706	0.6123
834-3SSQ	343	1	1	✓	307125	12.8100	841-29P	377	12	12	✓	351371	1.1033
834-3SSR	343	1	1	✓	307132	11.1600	841-29PIR	377	1	1	✓	308894	2.2658
834-4AF	342	1	10	✓	374691	1.7006	841-29PL	377	12	12	✓	300850	1.1283
834-4ANQ	342	1	1	✓	375414	5.7707	841-29PNQ	377	1	1	✓	308771	3.2151
834-4ANR	342	1	1	✓	375421	4.3742	841-29PNR	377	1	1	✓	308733	2.0703
834-4ASQ	342	1	1	✓	307149	5.6528	841-29PSQ	377	1	2	✓	308856	3.2100
834-4ASR	342	1	1	✓	307156	4.7981	841-29PSR	377	1	2	✓	308818	2.0700
834-4ATR	342	1	1	✓	375445	3.4842	841-2A	377	12	12	✓	300201	0.9585
834-4DF	339	1	1	✓	376435	7.0796	841-2AIR	377	1	2	✓	308887	1.5298
834-4DHIR	339	1	10	✓	376442	3.5164	841-2ANQ	377	1	2	✓	308764	4.2400
834-4DHNQ	339	1	10	✓	376459	4.8502	841-2ANR	377	1	6	✓	352590	3.1058
834-4DHR	339	1	10	✓	376466	3.9353	841-2APK	377	6	6	✓	300201	0.9727
834-4DHSQ	339	1	1	✓	307163	5.0336	841-2ASQ	377	1	2	✓	308849	4.2400
834-4DHSR	339	1	1	✓	307170	4.0000	841-2ASR	377	1	2	✓	308801	3.1000
834-4DIR	339	1	1	✓	376473	10.4940	841-2P	377	12	12	✓	300188	1.1835
834-4DNQ	339	1	1	✓	376480	11.8168	841-2PIR	377	1	2	✓	308870	2.2600
834-4DNR	339	1	1	✓	376497	11.0000	841-2PNQ	377	1	2	✓	308757	3.2100
834-4DSQ	339	1	1	✓	307187	11.9371	841-2PNR	377	1	6	✓	351388	3.4524
834-4DSR	339	1	1	✓	307194	8.8881	841-2PPK	377	6	6	✓	300188	1.2415
834-4HNQ	342	1	10	✓	374165	3.8571	841-2PSQ	377	1	2	✓	308832	3.2100
834-4HNR	342	1	10	✓	373915	2.2846	841-2PSR	377	1	2	✓	308795	2.0700
834-4HSQ	342	1	1	✓	307224	3.6700	841-39P	377	12	12	✓	351395	1.2133
834-4HSR	342	1	1	✓	307231	2.7085	841-39PIR	377	1	2	✓	308900	2.8418
834-4HTR	342	1	1	✓	374479	1.3946	841-39PL	377	12	12	✓	300911	1.1783
834-4PF	342	1	10	✓	373892	1.9006	841-39PNQ	377	1	2	✓	308788	3.2951
834-4PNQ	342	1	1	✓	375469	5.9707	841-39PNR	377	1	2	✓	308740	2.1503
834-4PNR	342	1	1	✓	365187	4.6500	841-39PSQ	377	1	2	✓	308863	3.2900
834-4PSQ	342	1	1	✓	307248	5.7200	841-39PSR	377	1	2	✓	308825	2.1500
834-4PSR	342	1	1	✓	307255	4.8500	842-22I	357	2	2	✓	352613	1.6234
834-4PTR	342	1	1	✓	374172	3.6842	842-23I	357	2	2	✓	351401	2.9234
834-4SF	343	1	1	✓	307262	7.1700	842-24I	357	2	2	✓	351739	4.7500
834-4SHSQ	343	1	1	✓	307279	4.9513	842-2AI	292	1	2	✓	352644	3.2000
834-4SHSR	343	1	1	✓	307286	4.1470	842-2ANQ	292	1	10	✓	352651	2.6748
834-4SSQ	343	1	1	✓	307293	12.8100	842-2ANR	292	1	10	✓	300935	1.9651
834-4SSR	343	1	1	✓	307323	11.5500	842-2ASQ	292	1	10	✓	307873	2.3298
834-63DF	341	1	1	✓	377869	7.4196	842-2ASR	292	1	10	✓	307880	1.7251
834-63DIR	341	1	1	✓	306944	10.8461	842-2I1I	294	1	2	✓	352675	5.3354
834-63DNQ	341	1	1	✓	306937	12.3089	842-2I1NQ	294	1	2	✓	352682	3.8075
834-63DNR	341	1	1	✓	306920	10.9081	842-2I1NR	294	1	2	✓	351418	3.4421
834-63DSQ	341	1	1	✓	307330	12.2814	842-2LI	293	1	5	✓	352699	3.1014
834-63DSR	341	1	1	✓	307347	11.4771	842-2LNQ	293	1	5	✓	300966	1.5366
834-64DF	341	1	1	✓	306913	9.1489	842-2LNR	293	1	10	✓	300973	1.2076
834-64DIR	341	1	1	✓	306906	12.5755	842-2LP	293	1	10	✓	300980	0.5936
834-64DNQ	341	1	1	✓	306890	14.0385	842-2LSQ	293	1	5	✓	307897	1.2319
834-64DNR	341	1	1	✓	306883	12.6375	842-2LSR	293	1	10	✓	307903	0.9923
834-64DSQ	341	1	1	✓	307354	14.0108	842-2PI	292	1	2	✓	301017	4.6658
834-64DSR	341	1	1	✓	307361	13.2065	842-2PNQ	292	1	10	✓	301024	2.8131
834-6DF	340	1	1	✓	380715	14.8000	842-2PNR	292	1	10	✓	356420	2.0768
834-6DHIR	340	1	1	✓	380722	7.6500	842-2PSQ	292	1	10	✓	307910	2.5850
834-6DHNR	340	1	1	✓	312419	N/A	842-2PSR	292	1	10	✓	307927	1.8368
834-6DHSR	340	1	1	✓	316288	7.5000	842-36AI	292	1	2	✓	352729	5.6728
834-6DIR	340	1	1	✓	380739	23.0000	842-36ANQ	292	1	1	✓	352736	3.4213
834-6DNR	340	1	1	✓	312426	N/A	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	3.3640	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.)
872-18	351	1	10	✓	304032	0.3786
873-240	352	1	10	✓	306715	0.4530
873-240P	352	1	10	✓	369666	0.2271
873-350	352	1	10	✓	304117	1.0138
873-350P	352	1	10	✓	369765	0.5981
873-460	352	1	10	✓	304285	0.8850
873-460P	352	1	10	✓	369772	0.7561
874-1	351	25	1000		304421	0.0173
874-1C	351	25	1000		304278	0.0203
874-1W	351	25	100		306791	0.0227
874-2	351	25	1000		304261	0.0274
874-3C	351	25	500		304179	0.0330
874-3W	351	25	1000		304254	0.0206
874-4	351	25	500		304193	0.0457
874-4C	351	25	500		304209	0.0538
874-4W	351	25	100		304216	0.0554
874-6	351	25	1000		304223	0.0681
874-6C	351	25	100		304230	0.0706
874-6W	351	25	100		351012	0.0709
875-2A	352	20	20	✓	314048	0.0930
875-2P	352	20	20	✓	314024	0.1107
875-3A	352	20	20	✓	314086	0.1719
875-3P	352	20	20	✓	314062	0.1903
875-4A	352	20	20	✓	314123	0.2197
875-4P	352	20	20	✓	265913	0.2422
875-8230P	352	1	10	✓	304308	0.3192
875-8340P	352	1	10	✓	304315	0.6519
875-8450P	352	1	10	✓	304322	0.9435
876-10PK	354	10	10	✓	302502	0.1228
876-15	354	20	20		304339	0.1568
876-15PK	354	10	10	✓	302519	0.1638
876-20	354	20	20		304407	0.2708
876-20PK	354	10	10	✓	302526	0.2778
876-25	354	20	20		304353	0.2728
876-25PK	354	10	10	✓	302533	0.3428
876-30	354	20	20		304391	0.5148
876-30PK	354	10	10	✓	302540	0.5218
876-35	354	20	20		304377	0.6623
876-35PK	354	10	10	✓	302564	0.6678
876-40	354	20	20		304384	0.7053
876-40PK	354	10	10	✓	302588	0.7181
876-50	354	1	10		302595	1.0647
876-60	354	1	4		302601	1.4257
876-60PK	354	10	10	✓	310514	1.4650
877-20	354	1	20		365149	0.2398
877-20PK	354	10	10	✓	302625	0.2086
877-25	354	1	20		302632	0.3458
877-30	354	1	20		304445	0.5258
877-30PK	354	10	10	✓	302649	0.5436
877-35	354	1	20		304452	0.6623
877-35PK	354	10	10	✓	302663	0.6801
877-40	354	1	20		308627	0.5825
877-40PK	354	10	10	✓	302687	0.6725
877-60	354	1	20		302700	1.9451
877-915	354	1	20		356079	0.4038
877-920	354	1	20		356086	0.4108
877-930	354	1	20		356109	1.2549
877-935	354	1	20		356116	1.1168
877-940	354	1	10		351135	1.7197
877-950	354	1	10		351036	2.5703
877-960	354	1	4		356123	3.8517
878-015	353	25	25		304483	0.0414
878-015PK	353	25	25	✓	307101	0.0550
878-020	353	25	25		304490	0.0585
878-020PK	353	25	25	✓	307200	0.0599
878-025	353	25	25		350930	0.0689
878-025PK	353	25	25	✓	307309	0.0840
878-030	353	25	25		304506	0.1054
878-030PK	353	25	25	✓	307408	0.1158
878-035	353	25	25		304513	0.1391
878-035PK	353	25	25	✓	307507	0.1480
878-040	353	25	25		304520	0.1651
878-040PK	353	25	25	✓	307606	0.1703
878-15	353	25	25	✓	304537	0.0471

Item No	Page No.	Min Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
878-15PK	353	25	25	✓	307118	0.0485
878-20	353	25	25	✓	304544	0.0648
878-20PK	353	25	25	✓	307217	0.0650
878-25	353	25	25	✓	304551	0.0857
878-25PK	353	25	25	✓	307316	0.0988
878-30	353	25	25	✓	304568	0.1138
878-30PK	353	25	25	✓	307415	0.1230
878-35	353	25	25	✓	304575	0.1396
878-35PK	353	25	25	✓	307514	0.1485
878-40	353	25	25	✓	304582	0.1708
878-40PK	353	25	25	✓	307613	0.1760
878-50	353	20	20	✓	304599	0.7116
878-60	353	8	8	✓	304605	0.4101
878-915	354	10	20		356147	0.7950
878-920	354	10	10		351050	0.1372
878-925	354	10	20		356154	0.1849
878-930	354	10	10		304636	0.2880
878-935	354	10	20		356161	0.9201
878-940	354	10	10		304643	0.4740
878-950	354	10	10		351067	1.0247
878-960	354	10	10		304650	1.1586
878-980	354	10	10		351074	2.3430
879-015	353	25	25		304667	0.0414
879-015PK	353	25	25	✓	308108	0.0428
879-020	353	25	25		304674	0.0585
879-020PK	353	25	25	✓	308207	0.0599
879-025	353	25	25		356178	0.0689
879-025PK	353	25	25	✓	308306	0.0820
879-030	353	25	25		304681	0.0898
879-030PK	353	25	25	✓	308405	0.1162
879-035	353	25	25		356185	0.1391
879-035PK	353	25	25	✓	308504	0.1460
879-040	353	25	25		304698	0.1651
879-040PK	353	25	25	✓	308603	0.1683
879-15	353	25	25	✓	304704	0.0481
879-15PK	353	25	25	✓	308115	0.0495
879-20	353	25	25	✓	304711	0.0636
879-20PK	353	25	25	✓	308214	0.0650
879-25	353	25	25	✓	356192	0.0857
879-25PK	353	25	25	✓	308313	0.0988
879-30	353	25	25	✓	304728	0.1138
879-30PK	353	25	25	✓	308412	0.1230
879-35	353	25	25	✓	304735	0.1370
879-35PK	353	25	25	✓	308511	0.1459
879-40	353	25	25	✓	304742	0.1732
879-40PK	353	25	25	✓	308610	0.1764
879-50	353	20	20	✓	304759	0.2944
879-60	353	8	8	✓	304766	0.7777
880	403	25	25		304773	0.5412
880-012	413	100	500		302816	0.0461
880-034	413	50	250		302830	0.1117
880-1	413	25	25		302311	0.2081
880-2	413	25	25		302328	0.2322
880-3	413	25	25		302335	0.3716
880-4	413	25	25		356390	0.4772
880-81	412	25	200		304841	0.0255
880-81C	412	25	200		304858	0.0253
880-81PK	412	50	50	✓	303035	0.0303
880-82	412	25	100		304872	0.0393
880-82C	412	25	100		304889	0.0350
880-82PK	412	50	50	✓	303073	0.0331
880-83	412	10	50		304902	0.0697
880-83C	412	10	50		304919	0.0693
880-83PK	412	25	25	✓	303080	0.0684
880-84	412	10	50		304933	0.0977
880-84C	412	10	50		304940	0.0984
880-84PK	412	25	25	✓	303103	0.0967
881-01-2	410	5	5		566546	0.1508
881-01-3	410	5	5		566539	0.2925
881-01-4	410	5	5		566522	0.5159
881-01-6	410	1	5		566515	0.5440
881-01-8	410	2	2		566508	2.8605
881-01-10	410	1	1		566553	5.3837
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.

OUR SPECIALTY. YOUR EDGE.





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GAS SPECIALTY

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The Idea
Why Tomahawk?
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List Price Disclaimer
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OUR SPECIALTY///YOUR EDGE

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.

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.

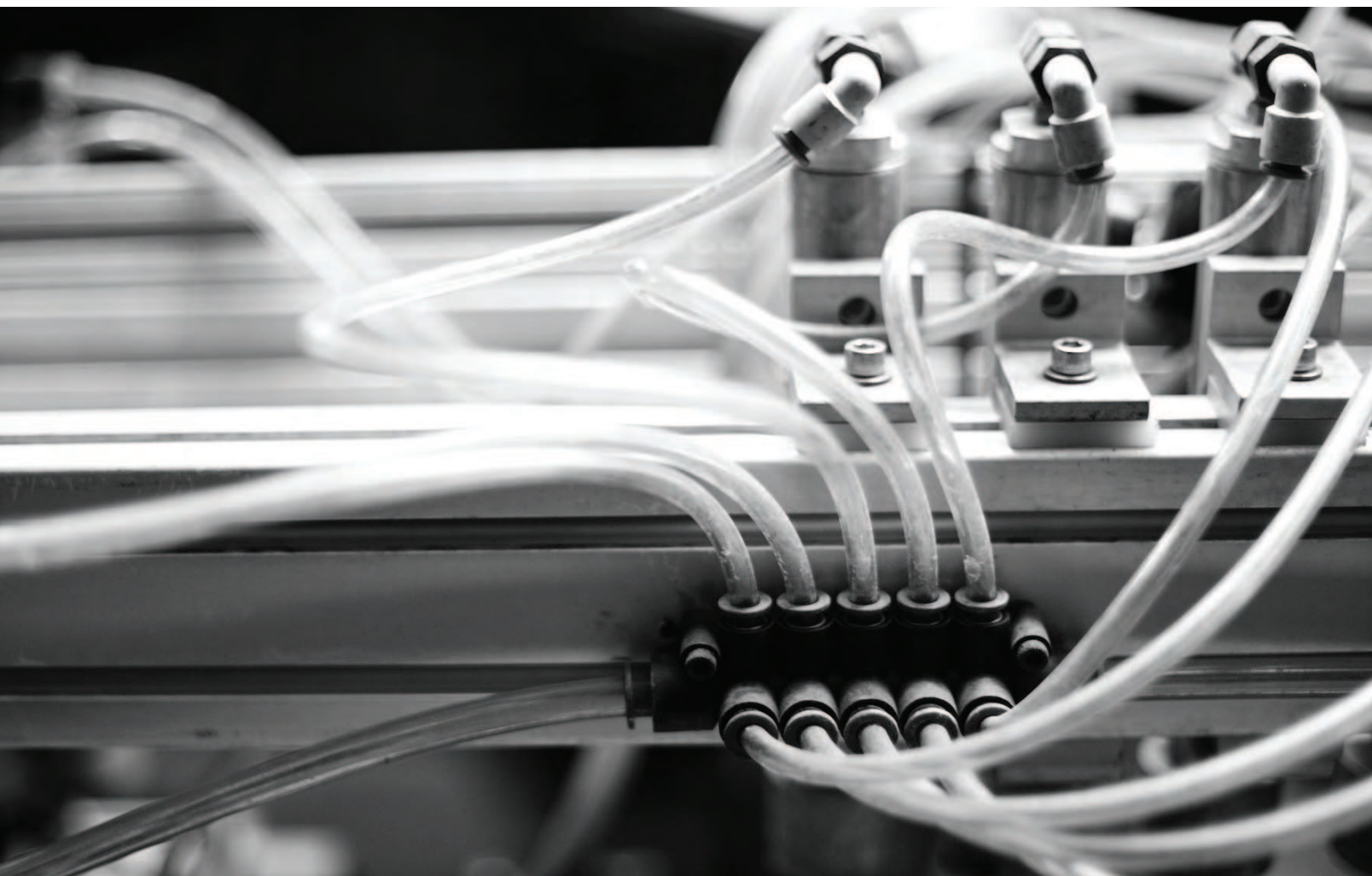
B: Bulk | **C:** Cut Case | **D:** Dispenser Box | **T:** Tube

*: 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.



Mission Statement
American Company
No Lead

OUR SPECIALTY///YOUR EDGE

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.



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OUR SPECIALTY///YOUR EDGE



Log Lighter Kits
p.63



Dishwasher Tailpiece
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Closet Bolt
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Closet Bolt Cover Cap
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Shallow Escutcheon
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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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F2080 Standard Tool Kit
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p.78



Multi-Purpose Saw
p.80

PLUMBING SPECIALTY

- 15 CLOSET SPECIALTIES & REPAIR
- 29 TUB & SHOWER SPECIALTIES & REPAIR
- 35 LAV/SINK SPECIALTIES & REPAIR
- 47 TUBULAR SPECIALTIES



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PLUMBING

GAS

TOOLS

APPENDIX



425

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.

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



425-PBJ



For use with bolt caps. Fits ½" sockets.



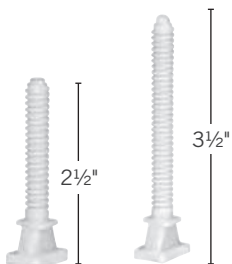
Install over cap washer and hand tighten.



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
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

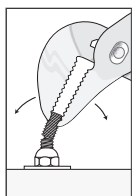


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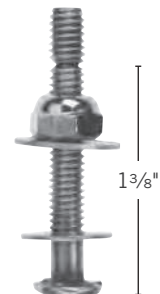
Item No	Description	Pkg	Min Qty	Case Qty
SOLID BRASS CLOSET BOLT				
410	1/4" x 20-2 1/4" bolt with nut & washer, bulk	B	100	1000
410-PB	1/4" x 20-2 1/4" bolt with nut & washer, 2/bag	B	50	50
411	1/4" x 20-3 1/2" bolt with nut & washer, bulk	B	100	500
411-PB	1/4" x 20-3 1/2" bolt with nut & washer, 2/bag	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

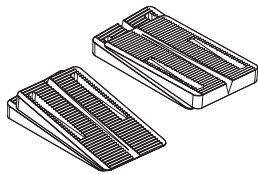


490-11240

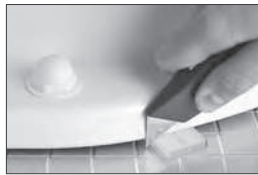
Item No	Description	Pkg	Min Qty	Case Qty
490-11240	White cap & snap-on washer, 2/bag	B*	1	50

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

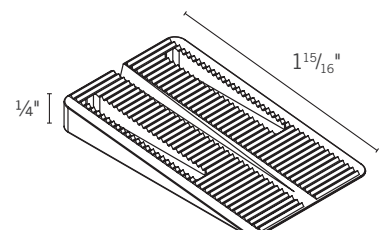


460-20

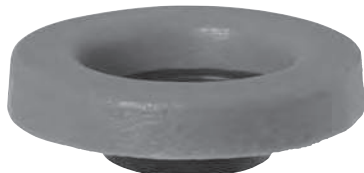


460-20J

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

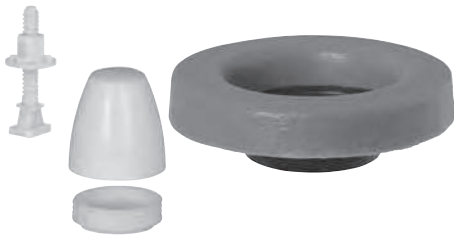
- Plastic flange extends discharge opening
- Gasket forms a watertight, gas-tight and odor-tight seal
- Fits 3" and 4" waste lines
- Meets Fed spec TT-P-1536A

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 3/4" 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†

- 1⅜" 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†

- ⅞" 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	1⅜" 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	⅞" 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



452-PB



490-10500



490-10502

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

Spud Gasket

- Installs on flush valve spud
- Seals brass spud to china
- Natural rubber

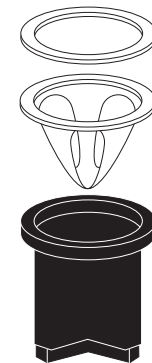


490-11520

Item No	Description	Pkg	Min Qty	Case Qty
490-11520	1¼" urinal spud gasket	B	5	25
490-11522	1½" closet spud gasket	B	5	25
490-11530	1" × ¾" closet spud gasket	B	5	25

Sloan Vacuum Breaker

- Three-piece vacuum breaker kit



490-10700

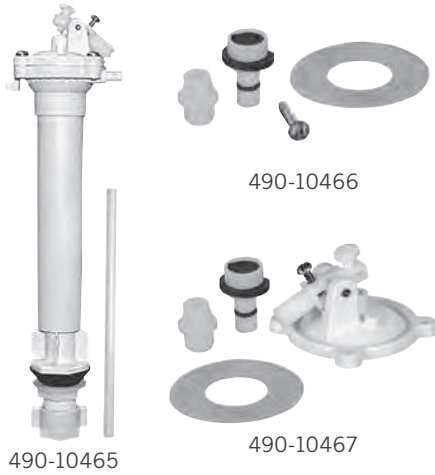
Item No	Description	Pkg	Min Qty	Case Qty
490-10700	Sloan† vacuum breaker kit	B*	1	12

† Indicates the part was not made by original manufacturer, but manufactured to the same specifications as original part.

PLUMBING

GAS

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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.



490-10125



490-10115



490-10108



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

PLUMBING

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APPENDIX

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

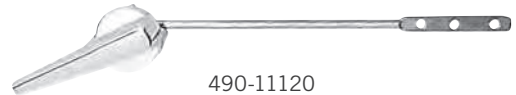
- Non-bendable arm for water saver flush valve

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



490-11130



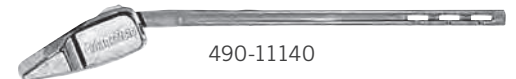
490-11157



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

30

31

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

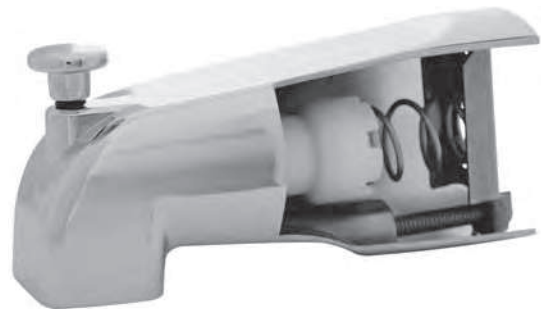
- Installs directly onto 1/2" copper stub out with #2 Phillips screwdriver
- Slip-fit convenience; secure, clean, tight to finished wall eliminating the need to caulk
- 5 1/4" overall length in three finish options
- Free Dry Seal Pipe Collar included with every Smart Spout
- Optional copper extension 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:



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
972-361PK2	Smart Spout with shower diverter & repair adapter kit, clamshell	chrome	B*	6	6
972-362PK2	Smart Spout with shower diverter & repair adapter kit, clamshell	satin nickel	B*	6	6
REPAIR ADAPTER					
972-3RA	1/2" CTS Extension 5/BG		B*	1	10
972-3RAKIT	1/2" CTS Extension Repair Kit 1/BG**		B*	1	10

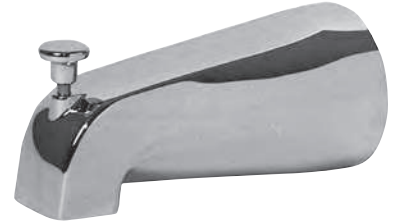
**Kit includes: Extension adapter, sand cloth, 2-part epoxy, applicator stick and instruction sheet.

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

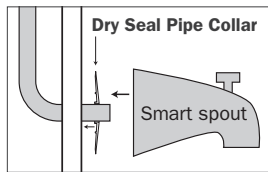
Dry Seal Pipe Collar™ Water/Moisture Barrier

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



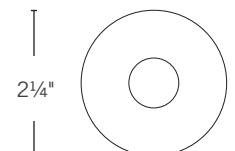
928-2



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



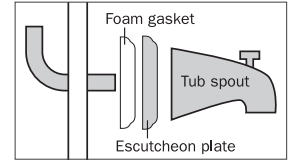
PLUMBING



972-100

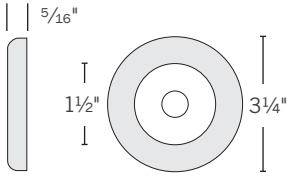
Tub Spout Escutcheon

- 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



GAS

TOOLS



Item No	Description	Pkg	Min Qty	Case Qty
972-100	Tub spout seal escutcheon - chrome	B*	1	12

APPENDIX



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



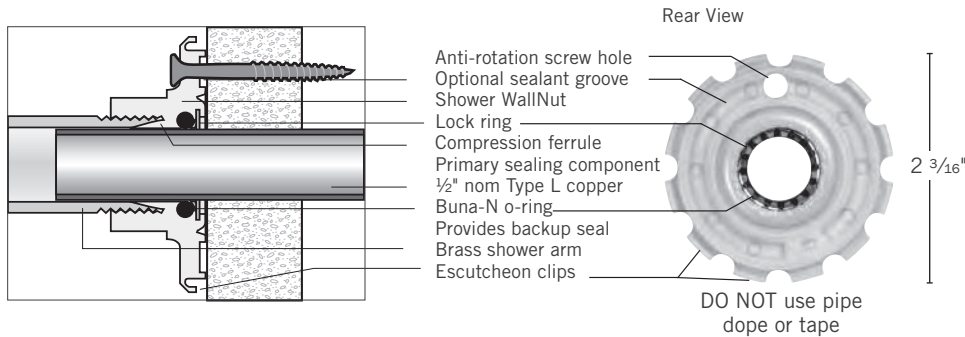
974-60116

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

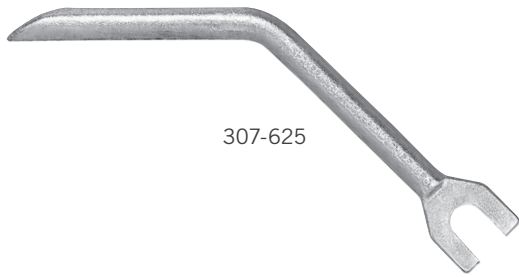
TOOLS

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



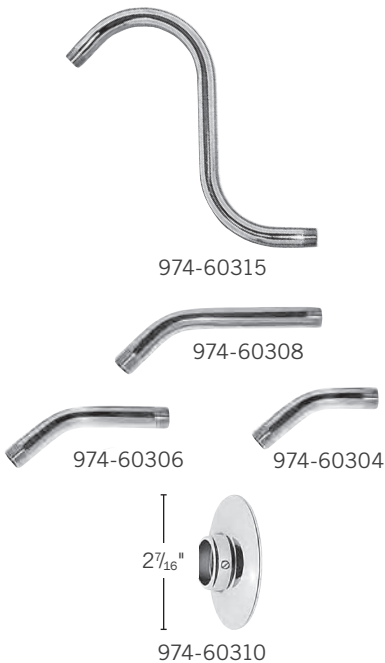
307-625



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

36

38

40

41

43

PLUMBING



920-2W



921-6W



922-5W

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

GAS

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APPENDIX



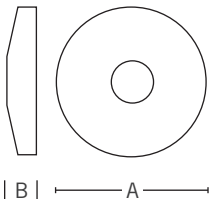
No more rust, corrosion or pitting.



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"	⅞"	B	50	500
920-2W	½" CTS	2½"	⅞"	B	25	250
920-2WPK2	½" CTS, 2/bag	2½"	⅞"	C*	10	10
920-3W	¾" CTS	2½"	⅞"	B	25	250
920-3WPK2	¾" CTS, 2/bag	2½"	⅞"	C*	10	10
920-4W	1" CTS	3½"	⅞"	B	20	100
920-4WPK2	1" CTS, 2/bag	3½"	⅞"	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"	⅞"	B	20	100
921-4WPK2	1" IPS, 2/bag	3½"	⅞"	C*	10	10
921-6W	1½" IPS	3½"	⅞"	B	20	100
921-6WPK2	1½" IPS, 1/bag	3½"	⅞"	C*	10	10
921-7W	2" IPS	3½"	⅞"	B	20	100
921-7WPK2	2" IPS, 1/bag	3½"	⅞"	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

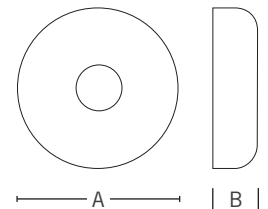
Item No	Description	Dimensions		Pkg	Min Qty	Case Qty
		A	B			
CHROME-PLATED ABS						
926-2	½" CTS	2½"	¾"	B	12	120
926-2PK2	½" CTS, 1/bag	2½"	¾"	C*	12	12
926-3	¾" CTS	2¾"	¾"	B	12	120
926-3PK2	¾" CTS, 1/bag	2¾"	¾"	C*	12	12
926-4	1" CTS	3"	¾"	B	12	120
926-4PK2	1" CTS, 1/bag	3"	¾"	C*	12	12
927-2	½" IPS	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

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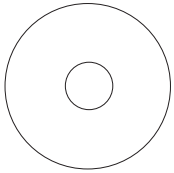
916-2

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

1/4-Turn Stops

Angle
Straight
Dual Outlet

- Chrome-plated brass
- 1/4-turn positive on and off
- Oval handle for ease of operation
- Individually boxed
- UPC/IAPMO listed

Item No	Description	Pkg	Min Qty	Case Qty
1/4-TURN ANGLE STOP				
110-SA21	1/2" sweat x 3/8" compression	B	10	150
110-A31	5/8" x 3/8" compression	B	10	150
110-XA21	1/2" PEX x 3/8" compression	B	10	150
110-CA21	1/2" CPVC x 3/8" compression	B	10	150
110-FA21	1/2" FIP x 3/8" compression	B	10	150
1/4-TURN STRAIGHT STOP				
109-S21	1/2" sweat x 3/8" compression	B	10	150
109-31	5/8" x 3/8" compression	B	10	150
109-X21	1/2" PEX x 3/8" compression	B	10	150
109-C21	1/2" CPVC x 3/8" compression	B	10	150
109-F21	1/2" FIP x 3/8" compression	B	10	150
DUAL OUTLET STOP				
109-310	5/8" x 3/8" x 1/4" compression	B	10	100
109-311	5/8" x 3/8" x 3/8" compression	B	10	100

NO LEAD



110-FA21



109-S21



109-310

Standard Supply Stop Compression Connection

- Chrome-plated brass
- Individually bagged

Item No	Connection	Pkg	Min Qty	Case Qty
290-20400	3/8" O.D. x 3/8" O.D. compression	B*	1	20



290-20400

PEX Standard Supply Stop Angle and Straight

- Poly and brass ferrule included
- Chrome-plated brass

Item No	Connection	Pkg	Min Qty	Case Qty
ANGLE				
648X2FA	1/2" PEX x 3/8" O.D. compression	B	5	60
STRAIGHT				
648X2FS	1/2" PEX x 3/8" O.D. compression	B	5	60



648X2FS



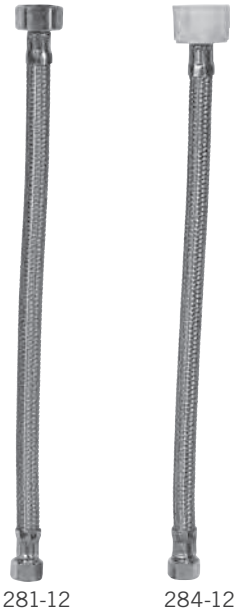
648X2FA

PLUMBING

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281-12

284-12



Stainless Steel Supply Connectors Lavatory or Closet

- Lavatory connectors have Santoprene inner core
- Closet connectors have PVC inner core
- 304 stainless steel braided outer material
- Flexible for ease of installation
- Connectors crimped on for positive seal
- UPC/IAPMO listed

Item No	Description	Pkg	Min Qty	Case Qty
SS ICE MAKER CONNECTOR				
281-072	72" long x 1/4" comp. x 1/4" FIP	B	1	12
SS LAV CONNECTORS				
281-12	12" long x 3/8" comp. x 1/2" FIP	B	100	100
281-16	16" long x 3/8" comp. x 1/2" FIP	B	100	100
281-20	20" long x 3/8" comp. x 1/2" FIP	B	100	100
281-30	30" long x 3/8" comp. x 1/2" FIP	B	100	100
SS CLOSET CONNECTORS				
284-09	9" long x 3/8" comp. x 7/8" FIP	B	100	100
284-12	12" long x 3/8" comp. x 7/8" FIP	B	100	100
284-20	20" long x 3/8" comp. x 7/8" FIP	B	100	100

Supply Tube Lavatory Sink

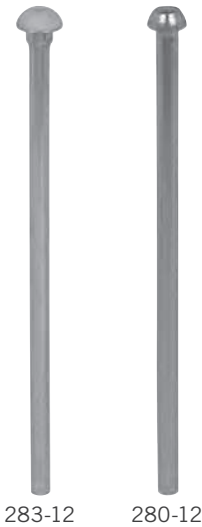
- Chrome-plated copper or PEX
- Copper tubes are one piece with nylon insert
- 100% PEX tubes have molded head and bagged nylon ferrules

Closet

- Chrome-plated copper or PEX
- Copper closet tubes include rubber nose piece

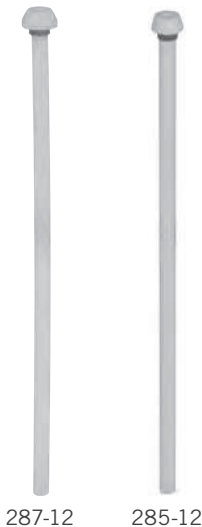
Ferrules

- Brass for copper tubes
- Poly for PEX tubes



283-12

280-12



287-12

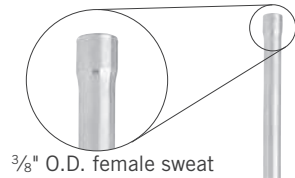
285-12



Item No	Description	Material	NO LEAD	Pkg	Min Qty	Case Qty
LAV-SINK SUPPLY TUBE						
280-12	3/8" O.D. x 12"	copper	✓	B	100	100
280-20	3/8" O.D. x 20"	copper	✓	B	100	100
280-36	3/8" O.D. x 36"	copper	✓	B	50	50
285-12	3/8" O.D. x 12" with nylon ferrules	PEX		B	100	100
285-20	3/8" O.D. x 20" with nylon ferrules	PEX		B	100	100
285-30	3/8" O.D. x 30" with nylon ferrules	PEX		B	100	100
285-36	3/8" O.D. x 36" with nylon ferrules	PEX		B	100	100
CLOSET SUPPLY TUBE						
283-12	3/8" O.D. x 12" with rubber nose piece	copper		B	50	50
283-20	3/8" O.D. x 20" with rubber nose piece	copper		B	50	50
287-12	3/8" O.D. x 12" with nylon ferrules	PEX		B	100	100
287-20	3/8" O.D. x 20" with nylon ferrules	PEX		B	100	100
FERRULES						
280-100	3/8" nominal	brass		B	100	2000
285-100	3/8" nominal	poly		B	100	10000

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

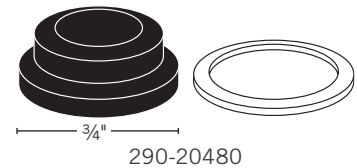
289-20

**NO
LEAD**

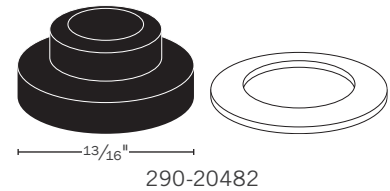
Item No	Length	Description	Pkg	Min Qty	Case Qty
289-12	12"	3/8" O.D. male sweat x female sweat	B	100	100
289-20	20"	3/8" O.D. male sweat x female sweat	B	100	100

Supply Step Washer for Lavatory or Closet

- Deluxe rubber lavatory supply washer with brass friction ring



290-20480



290-20482

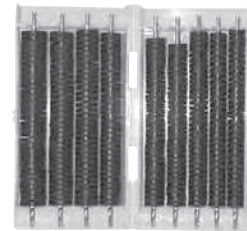
Item No	Description	Pkg	Min Qty	Case Qty
290-20480	Lavatory 3/8" tall	B	50	500
290-20482	Closet 7/16" tall	B	50	500

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

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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 $\frac{55}{64}$ " 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

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



242-20

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

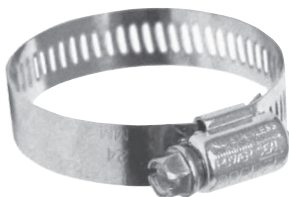


Hose Clamp

- 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



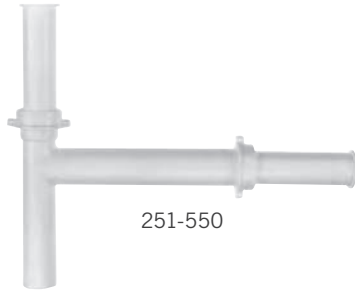
239

Item No	Description	Pkg	Min Qty	Case Qty
239	1½" MIP vent	B	50	50
239PK2	1½" MIP vent, bag	C*	10	10

48

51

54



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



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



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

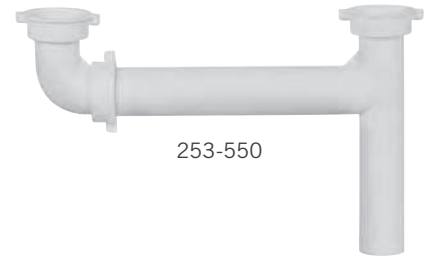
- Telescopic 12" to 16" with baffle tee
- Available in white or black polypropylene

Universal

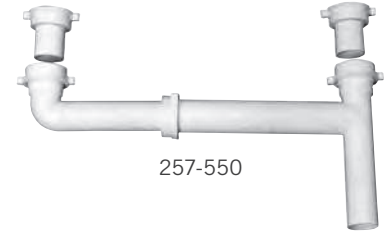
- Telescopic 12" to 16" with baffle tee
- Slip joint with two direct connect adapters
- Available in white or black polypropylene

Wye Branch – Direct Connect

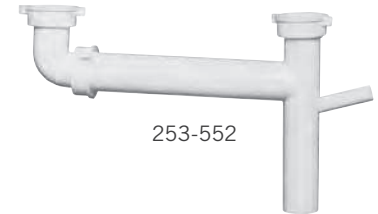
- Telescopic 12" to 16" with baffle tee
- 1/2" or 3/4" "Y" branch connection
- Available in white or black polypropylene



253-550



257-550



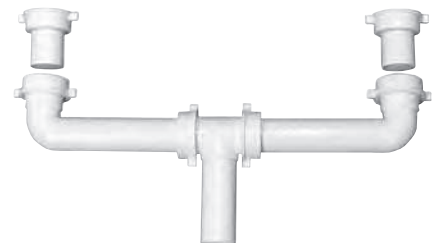
253-552

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

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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" × 4" flanged one end	white	B	25	25
230-040B	1½" × 4" flanged one end	black	B	25	25
230-060	1½" × 6" flanged one end	white	B	25	25
230-080	1½" × 8" flanged one end	white	B	25	25
230-120	1½" × 12" flanged one end	white	B	25	25
230-160	1½" × 16" double flanged	white	B	25	25
230-160B	1½" × 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" × 6"	slip joint	white polypro	B	25	25
236-080	1½" × 8"	slip joint	white polypro	B	25	25
236-120	1½" × 12"	slip joint	white polypro	B	25	25
236-160	1½" × 16"	double slip joint	white polypro	B	25	25
236-160B	1½" × 16"	double slip joint	black polypro	B	25	25
238-120	1½" × 12"	solvent weld	white PVC	B	25	25
238-160	1½" × 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

PLUMBING

GAS

TOOLS

APPENDIX

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

GAS

TOOLS

APPENDIX



290-20300



290-20310



290-20313



290-20380

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

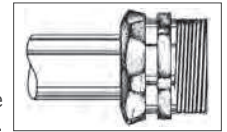
Item No	Description	Pkg	Min Qty	Case Qty
290-20320	4¼" O.D. × 3⅜" I.D. gasket for kitchen basket strainer	B	100	1000
290-20322	2" O.D. × 1½" I.D. gasket for lavatory drain, kitchen spray hose guide	B	100	1000
290-20324	2¾" O.D. × 2" I.D. gasket for laundry sink, bar sink, tub drain	B	100	1000
290-20320PK2	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



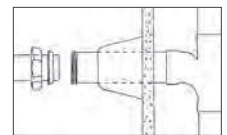
Connects tubular pipe to drainage pipe.

DWV Slip Joint Adapter Brass Marvel Thread

- Sweat on to copper DWV pipe to make slip joint connections



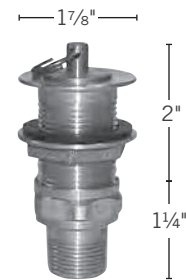
Item No	Description	Pkg	Min Qty	Case Qty
274-5	1¼" female sweat × 1¼" slip joint thread	B	10	100
274-6	1½" female sweat × 1½" slip joint thread	B	10	100
274-7	2" female sweat × 2" slip joint thread	B	10	100



Slip joint thread for copper DWV pipe.

Industrial Sink Plug

- All brass industrial sink plug complete as shown with 1" tailpiece and brass stopper

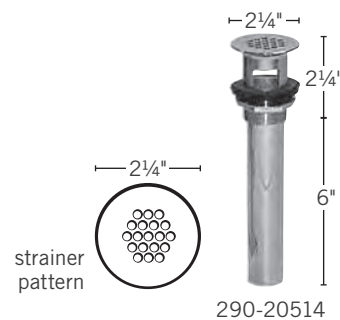


290-20200

Item No	Description	Pkg	Min Qty	Case Qty
290-20200	Brass sink plug with 1" tailpiece and brass stopper	B*	1	10

Lavatory Drain

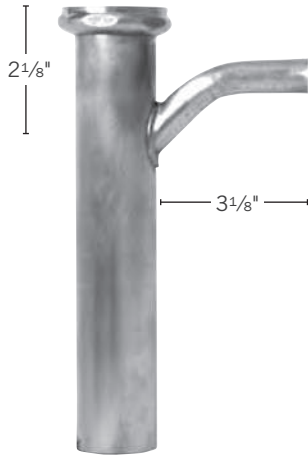
- Comes standard with brass nut and grid strainer
- 17 gauge brass tailpiece



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

GAS

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204-068



206-064

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



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

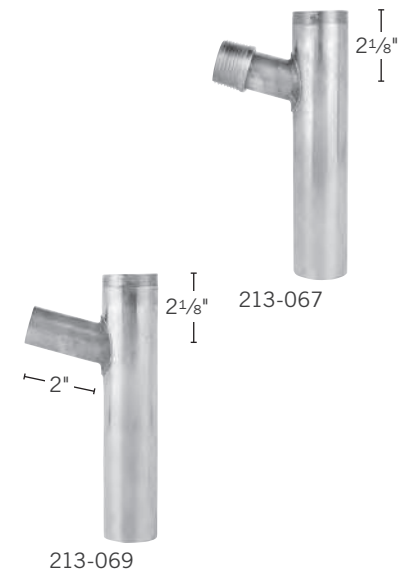
Item No	Dimensions	Nut Type	Branch Connection	Finish	Pkg	Min Qty	Case Qty
DIRECT CONNECT							
210-064	1½" × 6"	Solid brass	7/8" O.D.	Unfinished	B	25	25
210-066	1½" × 6"	Solid brass	7/8" O.D.	Chrome plated	B	25	25
210-084	1½" × 8"	Solid brass	7/8" O.D.	Unfinished	B	25	25
210-086	1½" × 8"	Solid brass	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



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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



63

67

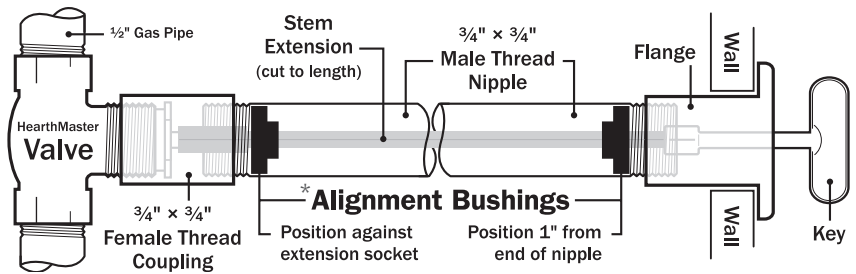
67



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:

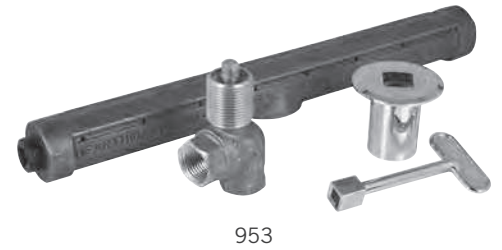
Minimum: 32°F / 0°C

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



PLUMBING

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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

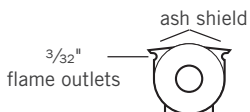
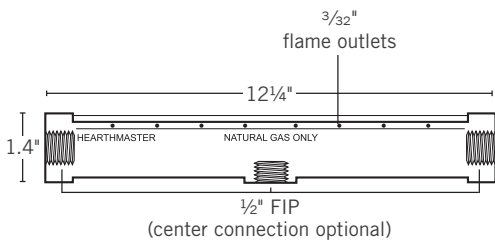
TOOLS

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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

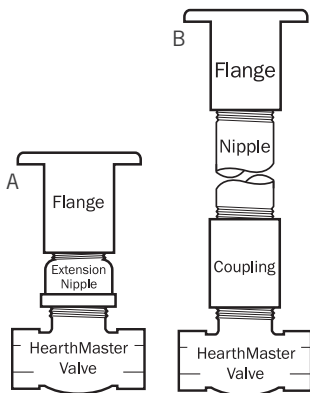


Item No	Description	Pkg	Min Qty	Case Qty
LOG LIGHTER BAR – 3 FIP INLETS				
940-10	16 flame outlets (8 per side)	B	6	6
940-11	8 flame outlets (one side)	B	6	6
940-10PK1	16 flame outlets (8 per side)	C*	1	10
LOG LIGHTER BAR – 2 FIP INLETS				
940-12	16 flame outlets (8 per side)	B	6	6
940-13	8 flame outlets (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

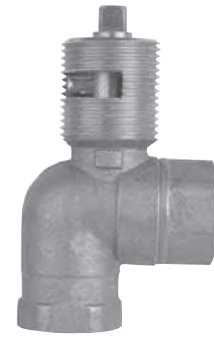


When valve-to-flange connections need extending, use our 948-EX extension piece (A), or for custom extensions, use a ¾" IPS coupling and nipple (B).

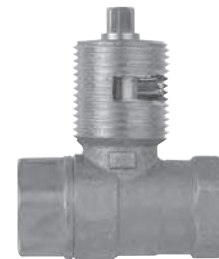
Temperature Ratings of HearthMaster Log Lighter Valves:

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





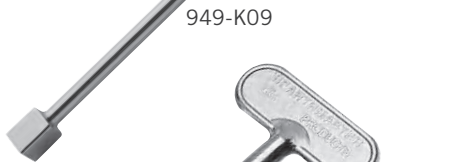
948



949-F



948-EX



949-K09



949-P



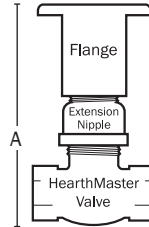
949-06

HearthMaster™

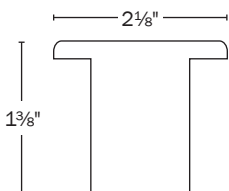
Log Lighter Accessories

- 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™

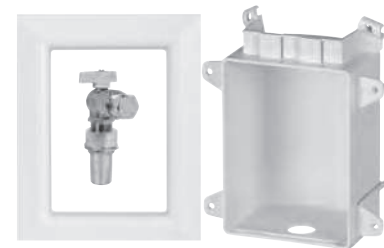
Gas Valve Outlet Box & Fire-Rated Gas Valve Outlet Box

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



TH696-1020GF



TH696-1021GF

Item No	Connection	Pkg	Min Qty	Case Qty
GAS OX BOX				
TH696-1021GF	½" NPT valve and adapter for iron pipe, bagged	B*	6	6
TH696-1031GF	¾" NPT valve and adapter for iron pipe, bagged	B*	6	6
TH696-1020GF	½" FIP valve for CSST connection, bagged	B*	6	6
FIRE-RATED GAS OX BOX				
TH696R1021GF	½" NPT valve and adapter for iron pipe, bagged	B*	10	10
TH696R1031GF	¾" NPT valve and adapter for iron pipe, bagged	B*	10	10
TH696R1020GF	½" FIP valve for CSST connection, bagged	B*	10	10



TOOLS

- 71 POWERPEX™ TOOLS
- 77 CUTTING DEVICES
- 83 BRUSHES & ABRASIVES
- 87 WRENCHES
- 91 OTHER TOOLS & ACCESSORIES



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GAS

TOOLS

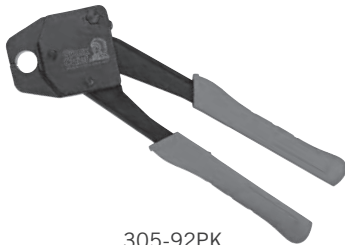
APPENDIX



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					
305-20CPK	1/2"	14"	B*	1	10
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					
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



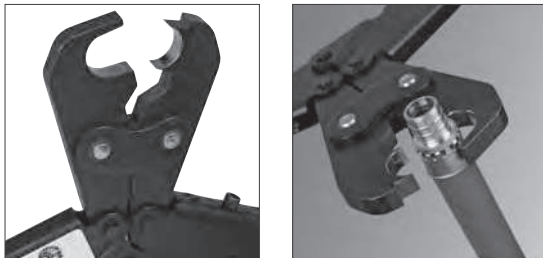
305-99

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



305-A139592-0

**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



305-A261866-2

**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

**PowerPEX™
Compression Tool
F2080 PEX Tool**

• Compression jaw set sold separately



305-A243737

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

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



305-A243787

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™

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™

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

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305-A235407

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

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



305Q4

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

Tube Cutters	78
Deburring Tool	79
Utility Knife	79
Saws	80
Inside Pipe Cutters	81
Stud Punch	82



304-08

Plastic Tube Cutter

- Quickly cut PEX, PVC, CPVC and other poly pipe or non-metallic hose
- For 1½" O.D. tube or smaller

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



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 ¾" 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

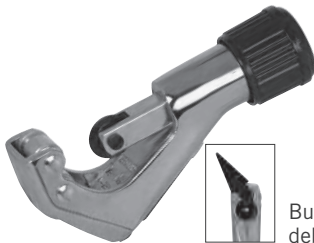


304-20

Copper Tube Cutters

Mini Cutter

- ⅛"-⅝" capacity
- Large ribbed feed screw knob



304-25

Built-in deburring tool.

Internal Adjustment Cutter

- ⅛"-1⅛" capacity
- Extra cutter wheel in body
- Body and knob made of lightweight aluminum
- Telescoping feed mechanism keeps turning radius constant

Zip Action Cutter

- ⅜"-1¼" 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

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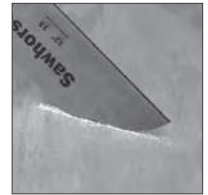
300-12



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

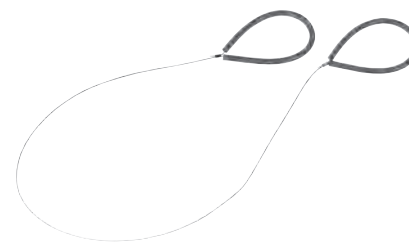


301-065

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

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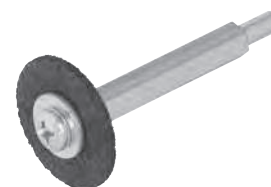
TOOLS

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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



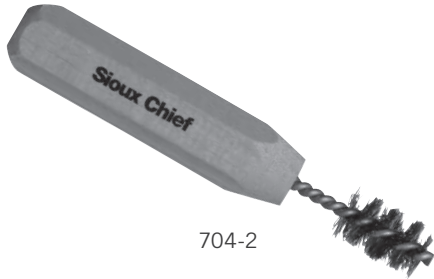
390-50163

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
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

84

86

PLUMBING



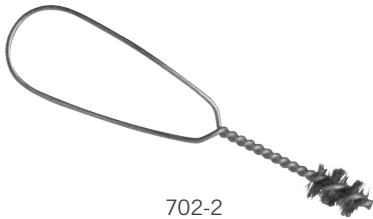
704-2

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

Acid Brush

- Metal handle
- 100% horse hair bristles
- Available in 3/8" or 1/2" wide



771

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

Pipe Dope/Cement Brush

- Wood handle
- Horse hair or natural bristles
- Available from 3/4" to 2" widths



773



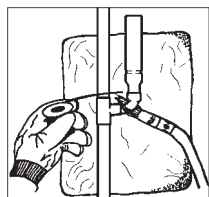
777

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

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

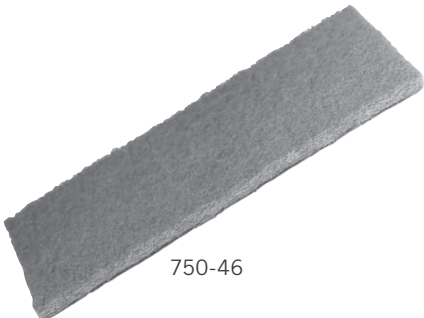


710-4

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.



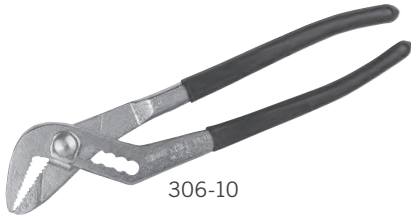
740-10



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

Slip Joint Pliers	88
Offset Ratchet Box Wrench	88
Telescopic Basin Wrench	88
Allen Wrench Set	89
Strap Wrench	89
Shower Arm Installation Tool	89
Plug Wrench	90
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

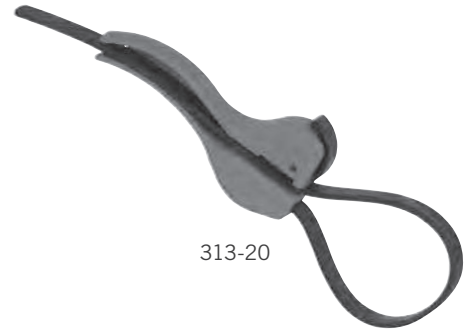


318-9

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



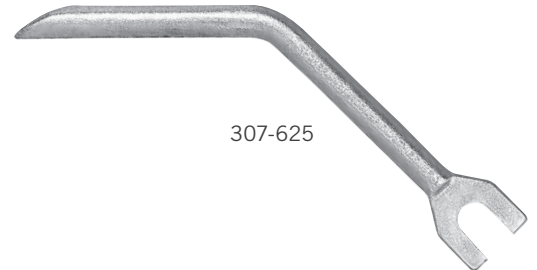
313-20

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

Faucet Seat Wrench

- Ratchet wrench set has two square and one hex wrench plus a ratchet



390-50132

390-50130 comes in resealable case

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

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



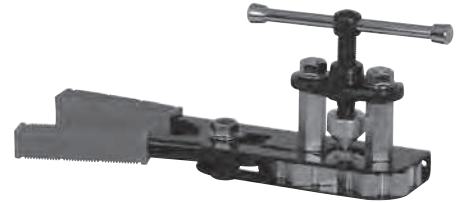
318-4

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



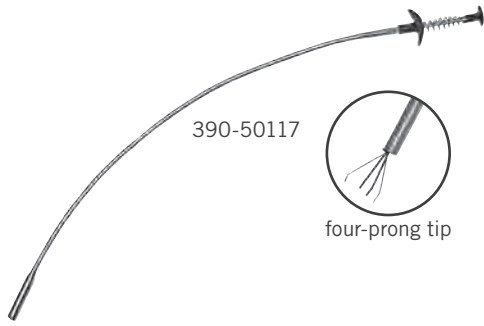
390-50138

Item No	Description	Pkg	Min Qty	Case Qty
390-50138	Deluxe o-ring pick	C*	1	12

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Flexible Grabber



Item No	Description	Pkg	Min Qty	Case Qty
390-50117	23" flexible grabber	B*	1	25

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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

Silicone Lubricant for O-Rings & Valve Stems



963-01

- FDA approved
- Does not deteriorate o-rings and other EPDM, buna or rubber seats/seals
- Temperature range -40°F to 400°F



Squeeze sides and flip top with thumb.

Item No	Description	Pkg	Min Qty	Case Qty
963-01	Silicone lubricant - 1/4 oz. tub	B	24	240

PTFE Packing Rope



291-30400

- PTFE (Polytetrafluoroethylene)
- Replaces worn out packing

Item No	Description	Pkg	Min Qty	Case Qty
291-30400	24" x 3/32" PTFE packing rope	B	24	240

PTFE Pipe Thread Tape



335-260

- PTFE (Polytetrafluoroethylene)
- 1/2" and 3/4" widths

Item No	Description	Pkg	Min Qty	Case Qty
335-260	1/2" x 260" (21.66 ft) spool	B	100	100
335-520	1/2" x 520" (43.33 ft) spool	B	100	500
335-263	3/4" x 260" (21.66 ft) spool	B	70	350
335-523	3/4" 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



961-20



961-22



961-30



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

Multi-Purpose Square Bucket

- Heavy-duty plastic, 4.25 gallon
- Great for carrying tools, fittings, etc.
- Tight-fitting lid is included



968-04

Item No	Description	Pkg	Min Qty	Case Qty
968-04	Bucket, 4.25 gallon	B	8	8

Corrugated Bin Box

- Perfect for warehouse, fab shop, on the truck, in the office or at home
- Fits standard 12" or 18" deep shelving



965-204

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

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108-12	67	12	144		510167	0.3700	234-5B	48	25	25		501059	0.2560
108-12PK	67	12	12	✓	808028	0.3911	236-060	50	25	25		501066	0.1200
108-13	67	12	72		510174	0.5500	236-080	50	25	25		501073	0.1440
108-13PK	67	12	12	✓	808042	0.5773	236-120	50	25	25		501080	0.1920
108-14	67	6	60		808066	0.8780	236-160	50	25	25		501097	0.2786
109-31	39	10	150		519269	0.2624	236-160B	50	25	25		501103	0.3120
109-310	39	10	100		519276	0.3426	238-120	50	25	25		501110	0.2240
109-311	39	10	100		519283	0.3395	238-160	50	25	25		501127	0.3040
109-C21	39	10	150		519290	0.2822	239	45	50	50		518996	0.0761
109-F21	39	10	150		519306	0.2491	239PK2	45	10	10	✓	302007	0.1254
109-S21	39	10	150		519313	0.2242	242-10	43	1	10	✓	501141	0.5589
109-X21	39	10	150		519320	0.2192	242-20	43	1	100	✓	501158	0.0709
110-A31	39	10	150		500335	0.2844	242-20102	43	1	10	✓	501165	0.6129
110-CA21	39	10	150		556301	0.2998	242-20116	43	1	25	✓	501189	0.0787
110-FA21	39	10	150		556318	0.2818	242-25	43	1	10	✓	501196	0.1616
110-SA21	39	10	150		556332	0.2310	249	43	25	25		501202	0.2800
110-XA21	39	10	150		556349	0.2466	249-20135	43	1	10	✓	501219	0.3246
200-062	54	25	25		500472	0.3580	251-550	48	25	25		501226	0.4640
200-064	54	25	25		500489	0.4080	251-550B	48	25	25		501233	0.4920
200-066	54	25	25		500496	0.4080	253-550	49	25	25		501240	0.4240
200-082	54	25	25		500502	0.4301	253-550B	49	25	25		501257	0.4280
200-084	54	25	25		500519	0.4801	253-552	49	15	15		501264	0.4530
200-122	54	25	25		500540	0.5573	253-552B	49	15	15		501271	0.4530
200-124	54	25	25		518965	0.6073	253-553	49	15	15		501288	0.4797
200-124PK	54	25	25	✓	500557	0.6276	257-550	49	25	25		501295	0.5840
204-068	54	25	25		500380	0.4069	257-550B	49	25	25		501301	0.5440
206-064	54	25	25		500397	0.4740	258-160	49	25	25		501318	0.6240
206-066	54	25	25		500588	0.4640	270-6	53	25	25		501325	0.3735
206-084	54	25	25		500595	0.6946	272-6	53	25	25		501349	0.5219
210-064	55	25	25		500601	0.3841	274-5	53	10	100		501356	0.0635
210-066	55	25	25		500618	0.3841	274-6	53	10	100		501363	0.0698
210-084	55	25	25		500625	0.4563	274-7	53	10	100		501370	0.0620
210-086	55	25	25		500632	0.4563	280-12	40	100	100		501394	0.1260
210-122	55	25	25		500649	0.5334	280-20	40	100	100		501400	0.2020
213-060	55	25	25		504838	0.3166	280-36	40	50	50		501417	0.3680
213-061	55	25	25		509550	0.3240	280-100	40	100	2000		501387	0.0038
213-067	55	25	25		500670	0.3378	281-072	40	1	12		556615	0.4745
213-068	55	25	25		509574	0.3166	281-12	40	100	100		566744	0.1602
213-069	55	25	25		509567	0.2911	281-16	40	100	100		566751	0.1852
215-064	55	25	25		500700	0.3503	281-20	40	100	100		566768	0.2185
215-066	55	25	25		500717	0.3503	281-30	40	100	100		566775	0.2646
216-084	55	25	25		500724	0.4306	283-12	40	50	50		501424	0.1320
216-086	55	25	25		500731	0.4480	283-20	40	50	50		501431	0.2300
220-040	56	50	50		500748	0.1461	284-09	40	100	100		566782	0.1340
220-048	56	48	48		500755	0.1290	284-12	40	100	100		556790	0.1539
220-068	56	24	24		500762	0.1900	284-20	40	100	100		519337	0.2231
220-088	56	24	24		500779	0.2480	285-100	40	100	10000		501448	0.0011
220-120	56	25	25		500786	0.4209	285-12	40	100	100		501455	0.0350
220-128	56	24	24		500793	0.3920	285-20	40	100	100		501462	0.0532
220-168	56	24	24		500809	0.4960	285-30	40	100	100		501479	0.0880
223-128	56	24	24		500403	0.4400	285-36	40	100	100		501486	0.0946
224-128	56	24	24		500410	0.5280	287-12	40	100	100		501493	0.0351
225-068	56	24	24		500427	0.2045	287-20	40	100	100		501509	0.0600
225-088	56	24	24		500434	0.2880	289-12	41	100	100		501516	0.1110
225-128	56	24	24		500854	0.3496	289-20	41	100	100		501523	0.1863
226-068	56	24	24		500861	0.2720	290-20180	45	5	25	✓	501530	0.0350
226-088	56	24	24		500878	0.3440	290-20185	45	1	12	✓	501554	0.1813
226-128	56	24	24		500885	0.4640	290-20200	53	1	10	✓	501561	0.8028
230-040	50	25	25		500892	0.0548	290-20300	52	25	300		501585	0.0069
230-040B	50	25	25		500908	0.5208	290-20301	52	100	1000		501592	0.0068
230-060	50	25	25		500359	0.0880	290-20310	52	25	300		509581	0.0069
230-080	50	25	25		500458	0.1120	290-20311	52	100	1000		501615	0.0061
230-120	50	25	25		500465	0.1440	290-20313	52	50	500		501639	0.0103
230-160	50	25	25		500946	0.1924	290-20320	52	100	1000		501646	0.0053
230-160B	50	25	25		500953	0.1900	290-20320PK2	52	1	12	✓	566157	0.0531
231-2	48	25	25		500960	0.1520	290-20322	52	100	1000		501653	0.0020
231-3	48	25	25		500977	0.1520	290-20322PK2	52	1	12	✓	566164	0.0334
232-2	48	25	25		500984	0.1504	290-20324	52	100	1000		501660	0.0040
232-3	48	25	25		500991	0.1680	290-20324PK2	52	1	12	✓	566171	0.0414
232-3B	48	25	25		501004	0.1680	290-20380	52	25	300		501684	0.0069
234-10	48	25	25		501011	0.3760	290-20381	52	100	1000		501691	0.0068
234-10B	48	25	25		501028	0.3440	290-20400	39	1	20	✓	501707	0.2647
234-2	48	25	25		501035	0.8802	290-20480	41	50	500		501714	0.0165
234-5	48	25	25		501042	0.2640	290-20482	41	50	500		501721	0.0245

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.)
290-20514	53	1	12	✓	501745	0.8759	306-10	88	10	50	✓	504340	0.9490
290-21100	42	6	48		501974	0.0542	307-616	33	1	10	✓	400321	0.3955
290-21104	42	6	48		501998	0.0435	307-625	89	1	6	✓	400130	0.9597
290-21110	42	5	250		502018	0.0844	308-2	93	1	12	✓	556257	2.5488
291-30125	41	1	10	✓	502230	0.8006	310-05	95	1	12	✓	290007	0.7973
291-30126	41	1	10	✓	502247	0.8800	310-10	95	1	24	✓	556325	0.1206
291-30225	41	1	10	✓	502377	1.0209	310-12	95	1	10	✓	566126	0.4762
291-30226	41	1	10	✓	502384	1.3316	311-10	90	1	5	✓	504388	2.1313
291-30380	42	1	10	✓	502650	0.5450	312-2	95	1	12		504395	1.4057
291-30400	96	24	240		502667	0.0281	313-20	89	1	12	✓	566379	0.5983
291-30500	42	12	240		502834	0.0052	314-10	92	12	12		504418	0.3363
300-12	80	12	12		500120	0.4982	314-12	92	12	12	✓	566324	1.9400
300-12B	80	1	25		500137	0.3401	314-20	92	1	25		566096	0.1040
300-20	80	4	4		500205	1.0800	315-1	79	10	100	✓	504432	0.0150
300-20B	80	6	6		504173	1.1031	315-10	79	12	60		504449	0.4566
301-061	80	5	100		500373	0.0396	316-1	88	1	12		566409	0.2168
301-062	80	10	10		500267	0.3760	316-2	88	1	12		566416	0.3469
301-065	80	20	20		500366	0.1700	318-4	93	1	5	✓	566430	0.6511
304-06	79	1	24	✓	520432	0.1364	318-9	89	1	10	✓	566447	0.3638
304-08	78	12	72	✓	510150	0.2760	319-15	99	50	50		504463	0.3000
304-1	78	1	50		500571	0.0726	319-20	99	50	50		504470	0.3400
304-11	78	1	12	✓	567161	0.6750	319-31	99	50	50		504487	0.3168
304-12	78	1	12	✓	566119	0.3379	330-260	97	24	24		504494	1.5500
304-12B	78	1	12		566102	2.4279	332-260	97	24	24		504500	2.0563
304-20	78	1	24	✓	566461	0.2411	335-260	96	100	100		504517	0.0240
304-25	78	1	10	✓	566201	0.5630	335-263	96	70	350		504524	0.0384
304-30	78	1	10	✓	556219	0.8366	335-520	96	100	500		509253	0.0280
304-32	78	1	20	✓	556226	0.0988	335-523	96	70	350		504548	0.0428
304-6B	79	1	50	✓	556233	0.0377	390-50105	81	1	25	✓	500243	0.0517
305-100PK1	72	1	10	✓	520425	1.1796	390-50110	94	1	25	✓	504609	0.0848
305-20CPK	72	1	10	✓	500823	2.6786	390-50115	94	1	24	✓	504616	0.1860
305-23CPK	72	1	10	✓	566829	3.2000	390-50117	94	1	25	✓	504623	0.2227
305-30CPK	72	1	10	✓	500830	3.0665	390-50128	92	1	12	✓	504678	0.3167
305-40CPK	72	1	10	✓	566836	3.6000	390-50130	90	1	25	✓	504685	1.1512
305-41CKIT	72	1	10	✓	505132	6.1855	390-50132	90	1	12	✓	504692	0.2742
305-521PK	82	1	1	✓	566737	8.9000	390-50133	90	1	12	✓	504708	0.4203
305-521PKB	82	1	10	✓	566812	0.3900	390-50134	92	1	12	✓	507341	0.3890
305-82TX	73	1	10	✓	500175	4.6495	390-50138	93	1	12	✓	504739	0.0725
305-83TX	73	1	10	✓	501134	4.6495	390-50148	95	1	12	✓	504777	1.6950
305-84TX	73	1	10	✓	501677	5.3950	390-50153	81	1	100	✓	500687	0.1733
305-85TX	73	1	12	✓	501738	0.1808	390-50154	81	1	100	✓	500694	0.0512
305-91PK	72	1	12	✓	566669	3.2187	390-50155	81	1	5		202338	0.1468
305-92PK	72	1	10	✓	566676	3.4107	390-50160	85	1	25	✓	501608	0.4343
305-92TX	73	1	10	✓	501905	2.6300	390-50163	81	1	10	✓	500656	0.2977
305-93PK	72	1	10	✓	566683	3.5908	390-50164	81	1	100	✓	500663	0.0327
305-95	72	12	12	✓	504333	0.0813	390-50175	99	1	20		504883	0.0822
305-99	73	1	10	✓	566454	0.8168	390-50176	99	50	50		504890	0.0567
305-A137964	74	1	1		500168	5.2500	390-50177	98	1	5		504906	2.3310
305-A139092	78	1	10		566874	2.5287	390-50178	98	1	10		504913	0.1900
305-A139092B	78	1	25		566089	0.3930	390-50179	98	1	5		504920	2.0000
305-A139592-0	74	1	1		566881	1.6512	390-50180	99	2	20		504937	0.0325
305-A235407	75	1	1		566898	75.0000	390-50181	99	10	50		504944	0.0181
305-A235417-5	74	1	1		566997	0.4645	390-50185	90	1	10	✓	504951	0.4570
305-A235427-6	74	1	1		567000	0.0000	390-50197	88	1	20	✓	504999	1.8151
305-A235437-7	74	1	1		567017	2.1500	390-50198	90	1	20	✓	505002	0.5243
305-A235497	74	1	1		566904	5.8100	390-50200	100	10	50		505026	0.1101
305-A243107	75	1	1		566911	2.9375	402-10	20	24	24		566638	0.4877
305-A243737	74	1	1		566955	3.4167	402-410	20	24	24	✓	519344	0.6074
305-A243767	74	1	1		566928	0.9000	402-427	20	24	24	✓	519405	0.5381
305-A243787	74	1	1		566935	1.3500	402-440	20	24	24	✓	508935	0.6621
305-A243797	74	1	1		566942	1.2120	410	17	100	1000		505040	0.0470
305-A261216	75	1	1		566843	15.6700	410-PB	17	50	50		519009	0.0960
305-A261246	75	1	1		566966	12.6000	411	17	100	500		505064	0.0575
305-A261256	75	1	1		566973	18.3000	411-PB	17	50	50		519061	0.1179
305-A261856-1	74	1	1		567024	0.3395	412-PB	17	50	50	✓	519016	0.0987
305-A261866-2	74	1	1		567031	0.3593	412-PBPK2	17	25	25	✓	304162	0.1022
305-A261886-3	74	1	1		567048	7.6850	414-PB	17	50	50	✓	519023	0.1445
305-A261896-4	74	1	1		567055	0.4079	415	17	100	500		505101	0.0694
305Q2	76	1	24	✓	400468	0.0179	415-PB	17	50	50		505118	0.1425
305Q3	76	1	24	✓	400482	0.0292	416	17	100	500		505125	0.0604
305Q4	76	1	12	✓	400499	0.0421	416-PB	17	50	50		519030	0.1245
305Q5	76	1	1		408006	0.3450	416PK2	17	25	25	✓	304063	0.1280
305Q6	76	1	10		408013	0.3650	417	17	100	1000		505149	0.0095
305Q7	76	1	1		407979	0.4380	418	17	100	1000		505156	0.0125

PLUMBING

GAS

TOOLS

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

PLUMBING

GAS

TOOLS

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.)
419	17	100	5000		505163	0.0061	490-11150	24	1	12	✓	506405	0.6612
425	16	100	100		304100	0.0199	490-11151	24	1	12	✓	506412	0.3766
425-N	16	100	500		501912	0.0071	490-11152	24	5	25		506429	0.0889
425-PB	16	25	250		505262	0.0420	490-11155	27	1	12	✓	506436	0.2838
425-PBJ	16	1	1		520364	2.6668	490-11157	27	1	12	✓	506450	0.1481
425-PBPK2	16	10	10	✓	304124	0.0567	490-11159	27	1	12	✓	506474	0.3451
427	16	100	100		505316	0.0238	490-11221	17	25	2500		506535	0.0083
427-PB	16	50	50		510136	0.0505	490-11223	17	25	2500		506542	0.0153
427-PBJ	16	1	1	✓	510136	3.1075	490-11227	17	25	2500		506559	0.0133
427-PBPK2	16	10	10	✓	304346	0.0647	490-11240	18	1	50	✓	506566	0.0378
440-2W	18	1	25	✓	556608	0.0094	490-11520	23	5	25		506610	0.0779
442-2B	18	1	25	✓	506467	0.0094	490-11522	23	5	25		506627	0.0609
442-2W	18	1	25	✓	566584	0.0621	490-11530	23	5	25		506634	0.0589
452-PB	23	50	50		304247	0.2289	616-02C	33	25	25	✓	506894	0.1147
460-10	19	100	1000		505354	0.0118	616-02P	33	25	25	✓	506917	0.1806
460-10J	19	1	1	✓	519047	2.1200	616-02RB	33	1	25	✓	403551	0.1113
460-11300	19	1	10		315106	0.1350	616-02SN	33	1	25	✓	506931	0.1113
460-11310	19	1	10		315120	0.1349	616-02W	33	25	25	✓	506948	0.1776
460-20	19	100	1000		505408	0.0118	648X2FA	39	5	60		485328	0.1757
460-20J	19	1	1	✓	519054	2.8350	648X2FS	39	5	60		506979	0.2273
490-10108	26	1	25	✓	505484	0.1126	700-0	84	12	120		507044	0.0750
490-10110	26	1	25	✓	505507	0.1224	700-1	84	12	120		507051	0.0800
490-10112	26	1	25	✓	505521	0.6314	700-2	84	12	120		507068	0.0815
490-10115	26	1	25	✓	505538	0.1468	700-3	84	12	120		403735	0.0960
490-10120	26	1	25	✓	505552	0.1036	700-4	84	12	120		403742	0.0927
490-10121	26	1	25	✓	505569	0.1264	700-5	84	6	60		507099	0.1110
490-10122	26	1	25	✓	505576	0.0205	700-6	84	6	60		507105	0.1098
490-10125	26	1	20	✓	505583	0.1015	700-7	84	6	60		507112	0.1167
490-10206	25	1	25	✓	505637	0.1672	702-2	84	24	240		507150	0.0530
490-10211	25	1	50	✓	505651	0.1298	702-3	84	24	240		507167	0.0550
490-10302	25	1	25	✓	505668	0.0904	702-4	84	24	240		507174	0.0640
490-10306	25	25	25		505699	0.1172	703-2	84	24	240		507181	0.0540
490-10312	25	1	25	✓	505705	0.0904	703-3	84	24	240		507198	0.0560
490-10316	25	25	25		505736	0.1064	703-4	84	24	240		507204	0.0630
490-10320	24	1	50	✓	505743	0.0382	703-5	84	12	120		507211	0.0793
490-10325	27	1	12	✓	505750	0.3030	703-6	84	6	60		507228	0.1033
490-10340	25	1	25	✓	505781	0.0951	703-7	84	6	60		507235	0.1090
490-10341	25	1	25	✓	505798	0.0238	704-2	84	12	72		507242	0.0960
490-10411	28	25	100		505910	0.0359	704-3	84	12	72		507259	0.0960
490-10415	28	25	200		505934	0.0201	704-4	84	12	72		507266	0.0980
490-10451	28	24	24		505965	0.2623	705-2	84	12	120		507273	0.1100
490-10465	24	1	12		505989	1.2447	705-3	84	12	120		507280	0.1270
490-10466	24	1	12		505996	0.0925	705-4	84	12	120		507297	0.1220
490-10467	24	1	12		506009	0.1214	706-2	84	6	60		507303	0.0420
490-10500	23	1	50	✓	506016	0.2806	706-3	84	6	60		507310	0.0726
490-10502	23	25	250		506023	0.0273	706-4	84	6	60		507327	0.0770
490-10505	23	25	200		506580	0.0117	707-2	84	6	60		507334	0.0681
490-10540	20	10	10		506047	0.3037	707-3	84	6	60		509505	0.0712
490-10541	20	10	10		506054	0.1857	707-4	84	6	60		507358	0.0738
490-10542	20	10	10		506061	0.2347	710-2	86	6	120		404022	0.0580
490-10543	20	10	10		506078	0.4110	710-3	86	6	120		404039	0.0573
490-10545	20	10	10		506092	0.3215	710-4	86	6	120		507389	0.0674
490-10546	20	10	10		304469	0.4445	730-05	86	1	24	✓	405968	0.3080
490-10547	20	10	10		506115	0.4730	730-10	86	1	24	✓	403025	0.5680
490-10548	20	10	10		506122	0.7435	730-25	86	1	12	✓	405975	1.1000
490-10555	21	1	25	✓	506139	0.3507	740-02	86	1	50	✓	406019	0.0840
490-10560	21	1	25	✓	506146	0.3544	740-05	86	1	24	✓	405982	0.2360
490-10565	21	1	25	✓	506153	0.4241	740-10	86	1	24	✓	403056	0.4260
490-10570	21	1	25	✓	506160	0.5304	740-25	86	1	12	✓	405951	1.1971
490-10572	21	1	25	✓	506177	0.5624	743-05	86	1	24	✓	405999	0.3640
490-10575	21	1	25	✓	506184	0.3517	743-10	86	1	24	✓	403353	0.5680
490-10585	21	1	25	✓	506191	0.5460	743-25	86	1	12	✓	406002	1.0817
490-10656	22	25	25		506214	0.0719	750-46	86	1	14		507495	0.3029
490-10661	22	25	25		506238	0.1114	750-69	86	1	12		507501	0.3580
490-10666	22	25	25		506252	0.1402	752-69	86	1	12		507518	0.3797
490-10671	22	25	25		506276	0.1406	771	85	1	12		507525	2.1940
490-10673	22	25	25		506290	0.1479	772	85	1	12		507532	2.4330
490-10676	22	25	25		506313	0.0729	773	85	36	360		507549	0.0360
490-10700	23	1	12	✓	506320	0.0650	774	85	36	36		507556	0.0353
490-11100	27	1	25	✓	506337	0.2702	776	85	24	24		507563	0.0710
490-11101	27	50	50		506344	0.2180	777	85	24	24		507570	0.0790
490-11120	27	1	15	✓	506351	0.2833	901	44	100	100		507617	0.0569
490-11130	27	1	12	✓	506368	0.1018	901-10	44	10	100		507624	0.0585
490-11140	27	1	12	✓	506375	0.1681	901-12	44	10	100		507631	0.0595

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.)
901-16	44	10	100		507648	0.0630	927-3W	37	12	120		508096	0.0228
901-20	44	10	100		507655	0.0635	927-4	37	12	120		430236	0.0279
901-24	44	10	100		507662	0.0664	927-4PK2	37	12	12	✓	430229	0.0444
901-28	44	10	100		507679	0.0709	927-4W	37	12	120		508119	0.0230
901-32	44	10	100		507686	0.0566	927-5PK2	37	12	12	✓	430427	0.0611
902	44	50	50		507693	0.1972	927-6	37	12	120		430274	0.0380
905	44	1	1	✓	507709	10.8000	927-6PK2	37	12	12	✓	430267	0.0541
905-PK	44	1	1		500564	10.8000	927-6W	37	12	120		508133	0.0330
906	44	1	1	✓	507716	18.6000	927-7	37	12	120		430298	0.0446
906-PK	44	1	1		200266	18.6000	927-7PK2	37	12	12	✓	430281	0.0613
910-2	37	25	250		408068	0.0286	927-7W	37	12	120		508157	0.0410
910-2PK2	37	10	10	✓	408044	0.0795	927-8W	37	12	120		508164	0.0452
910-3	37	25	250		408143	0.0230	928-12	31	50	500		508171	0.0067
910-3PK2	37	10	10	✓	408129	0.0815	928-125	31	50	500		508188	0.0055
911-2	37	25	250		408105	0.0286	928-13	31	50	500		508195	0.0064
911-2PK2	37	10	10	✓	408082	0.0795	928-2	31	50	500		508201	0.0063
911-3	37	25	250		408181	0.0226	928-3	31	50	500		508218	0.0116
911-3PK2	37	10	10	✓	408167	0.0676	940-10	64	6	6		508232	2.4522
911-4	37	25	250		408235	0.0284	940-10PK1	64	1	10	✓	600127	2.5268
911-4PK2	37	10	10	✓	408228	0.0791	940-11	64	6	6		508249	2.5422
911-6	37	25	250		408273	0.0297	940-12	64	6	6		508256	2.4922
911-6D	37	25	250		507785	0.0469	940-13	64	6	6		508263	2.6082
911-6PK2	37	10	10	✓	408266	0.0520	948	66	12	12		508270	0.2279
911-7	37	25	250		408297	0.0459	948-EX	66	12	120		508287	0.0514
911-7PK2	37	10	10	✓	408280	0.0700	948-P	66	1	12		508294	0.2382
916-2	38	12	120		409065	0.0467	948PK2	66	10	10	✓	603203	0.2514
916-2PK2	38	12	12	✓	409041	0.0524	948-PPK2	66	1	10	✓	603265	0.2514
916-3	38	12	120		409140	0.0448	949	66	12	120		508317	0.1427
916-3PK2	38	12	12	✓	409126	0.0552	949-1PK2	66	1	10	✓	604705	0.1641
916-4	38	12	120		409218	0.0459	949-06	66	1	10		508324	0.2471
916-4PK2	38	12	12	✓	409201	0.0652	949-10	66	1	50		605108	0.3324
917-2	38	12	120		409102	0.0429	949-12	66	1	50		508355	0.3329
917-2PK2	38	12	12	✓	409089	0.0622	949-12PK2	66	1	10	✓	605122	0.3523
917-3	38	12	120		409188	0.0509	949-21	66	1	50		605214	0.6310
917-3PK2	38	12	12	✓	409164	0.0702	949-CP	66	12	120	✓	508386	0.1427
917-4	38	12	120		409232	0.0609	949-F	66	1	25		603500	0.1526
917-4PK2	38	12	12	✓	409225	0.0587	949-K09	66	1	1		508409	0.2281
917-6	38	12	120		409270	0.0596	949-K09P	66	1	1		508416	0.2481
917-6PK2	38	12	12	✓	409263	0.0887	949-K09PK2	66	1	10	✓	604293	0.2563
920-1W	36	50	500		407030	0.0151	949-K12	66	1	1		508423	0.2684
920-2W	36	25	250		407061	0.0156	949-K12PK2	66	1	10	✓	604323	0.2963
920-2WPK2	36	10	10	✓	407047	0.0463	949-P	66	1	12		508430	0.1426
920-3W	36	25	250		407146	0.0154	949PK2	66	1	10	✓	604200	0.1641
920-3WPK2	36	10	10	✓	407122	0.0459	949-PPK2	66	1	10	✓	604262	0.1641
920-4W	36	20	100		407214	0.0429	952	65	1	24		508447	0.9731
920-4WPK2	36	10	10	✓	407207	0.1014	952-P	65	1	6		508454	0.9884
921-2W	36	50	500		407108	0.0149	952-PK1	65	1	6	✓	612809	1.1484
921-2WPK2	36	10	10	✓	407085	0.0483	952-PPK1	65	1	6	✓	612861	1.1484
921-3W	36	50	500		407184	0.0152	952-V	65	1	12		622822	0.6032
921-3WPK2	36	10	10	✓	407160	0.0488	953	63	1	6	✓	508478	3.7755
921-4W	36	20	100		407238	0.0429	953-12	63	1	6	✓	508485	3.8158
921-4WPK2	36	10	10	✓	407221	0.1293	954	65	1	24		508515	0.9400
921-6W	36	20	100		407276	0.0379	954-P	65	1	6		508522	0.9553
921-6WPK2	36	10	10	✓	407269	0.0541	954-PK1	65	1	6	✓	612304	1.1152
921-7W	36	20	100		407290	0.0349	954-PPK1	65	1	6	✓	612366	0.9985
921-7WPK2	36	10	10	✓	407283	0.0511	954-V	65	1	12		622327	0.5701
922-5W	36	25	25		507983	0.1038	955	63	1	6	✓	508546	3.7423
922-5WPK2	36	10	10	✓	407320	0.1091	955-12	63	1	6	✓	508553	3.7827
922-6W	36	25	25		507990	0.1028	961-20	98	24	24		508584	0.1617
922-6WPK2	36	10	10	✓	407344	0.1081	961-20150	43	1	25	✓	508591	0.1373
926-2	37	12	120		430069	0.0157	961-20155	43	1	25	✓	508607	0.0485
926-2PK2	37	12	12	✓	430045	0.0283	961-20158	43	1	25	✓	508614	0.0300
926-2W	37	12	120		508010	0.0145	961-22	98	24	24		508645	0.1960
926-3	37	12	120		430144	0.0210	961-30	98	6	6		508652	0.6736
926-3PK2	37	12	12	✓	430120	0.0444	961-32	98	1	12		508669	0.2745
926-3W	37	12	120		508034	0.0165	961-34	98	1	12		508676	0.6495
926-4	37	12	120		430212	0.0250	961-50	98	10	160		508683	0.2813
926-4PK2	37	12	12	✓	430205	0.0444	961-6	43	25	25		508690	0.0887
926-4W	37	12	120		508058	0.0220	961-7	43	25	25		508706	0.1287
927-2	37	12	120		495426	0.0190	963-01	96	24	240		508751	0.0310
927-2PK2	37	12	12	✓	430083	0.0444	963-05	97	5	5		508768	5.2760
927-2W	37	12	120		508072	0.0250	963-15PK2	97	20	20		517012	1.0020
927-3	37	12	120		430182	0.0250	965-204	100	25	25		508836	0.2000
927-3PK2	37	12	12	✓	430168	0.0444	965-208	100	25	25		508843	0.3140

PLUMBING

GAS

TOOLS

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

PLUMBING

GAS

TOOLS

APPENDIX

Item No.	Page No.	Min. Qty	Case Qty	UPC Bar-Coded	UPC 6-Digit 739236	Weight (lbs.)
965-212	100	25	25		508850	0.3800
965-804	100	25	25		508867	0.2520
965-808	100	25	25		508874	0.4160
965-812	100	25	25		508881	0.4240
968-04	100	8	8		508898	1.9270
972-10	31	1	50	✓	508942	0.5353
972-100	32	1	12	✓	508959	0.1319
972-15	31	1	50	✓	508973	0.6496
972-20	31	1	50	✓	508997	0.7796
972-30	31	1	50	✓	509000	0.6816
972-32	30	1	18	✓	566140	0.8378
972-32RB	30	1	18	✓	509239	0.8408
972-32SN	30	1	18	✓	509055	0.8396
972-35	31	1	50	✓	509024	0.7194
972-36	30	1	18	✓	556806	0.9376
972-361PK2	30	6	6	✓	501868	1.1533
972-362PK2	30	6	6	✓	501875	1.1617
972-36RB	30	1	18	✓	509109	0.9161
972-36SN	30	1	18	✓	509123	0.8114
972-3RA	30	1	10	✓	501837	0.3013
972-3RAKIT	30	1	10	✓	501882	0.1010
974-60100	32	1	20	✓	509048	0.2689
974-60102	32	1	12	✓	509062	0.1920
974-60105	32	6	120		509079	0.0397
974-60116	32	12	120		509093	0.0549
974-60300	34	1	6	✓	509130	0.5823
974-60304	34	1	25	✓	509147	0.2038
974-60306	34	1	25	✓	509161	0.2651
974-60308	34	1	25	✓	509185	0.4074
974-60310	34	1	10	✓	509208	0.1176
974-60315	34	1	10	✓	509215	0.8650
980-5	51	100	100		504531	0.0825
980-6	51	100	100		509260	0.0925
980-8	51	100	100		509277	0.1425
981-5	51	100	100		509284	0.0822
981-6	51	100	100		509291	0.1025
985-5	51	100	100		509307	0.0542
985-6	51	100	100		509314	0.0625
985-8	51	100	100		509321	0.0725
986-6	51	100	100		509338	0.0525
988-6	51	100	100		509345	0.0290
990-20385	51	25	300		509352	0.0095
990-7	51	100	1000		509376	0.0086
991-6	51	100	1000		509383	0.0058
995-20320	51	25	200		509390	0.0097
995-20330	51	25	200		509406	0.0111
995-20335	51	25	200		509413	0.0151
995-20340	51	25	200		509420	0.0093
995-5	51	100	1000		509437	0.0086
995-6	51	100	1000		509444	0.0106
995-8	51	100	1000		509451	0.0148
996-6	51	100	1000		509468	0.0058
996-8	51	100	1000		509475	0.0078
TH648QB220A	38	12	12	✓	406606	0.2925
TH648QB220S	38	12	12	✓	406613	0.2788
TH648QBD220A	38	12	12	✓	406644	0.3200
TH696-1020GF	67	6	6	✓	154354	1.6133
TH696-1021GF	67	6	6	✓	154361	1.6133
TH696-1031GF	67	6	6	✓	154378	2.0762
TH696R1020GF	67	10	10	✓	154385	1.4511
TH696R1021GF	67	10	10	✓	154392	1.8168
TH696R1031GF	67	10	10	✓	154408	2.1842

Notes

Lined area for notes, consisting of approximately 30 horizontal lines.

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Pipe & Tube Dimensions	
Hanger Spacing	
Labor Cost Savings	

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1 cubic ft of water weighs 62.41 lbs.
1 cubic meter of water weighs 100 kg.
1 gallon (US) of water weighs 8.335 lbs.
1 liter of water weighs 1 kg.

Copper water tube and copper sweat fittings are referenced by their nominal (nom) size, which approximates the inside diameter (I.D.) waterway of the tube (½" nom, ¾" nom, etc.). Compression fittings are referenced by the outside diameter (O.D.) of the tube they connect to (⅝" O.D., ⅞" O.D., etc.). Copper water tube is manufactured to conform to ASTM Standard B 88.

Nominal Tube Size	O.D. Size (in.)	Wall Thickness (in.)	Weight of Tube (lbs/ft)	Weight of Pipe Full of Water (lbs/ft)
SCHEDULE 40 STEEL				
½"	0.405	0.068	0.2	0.4
¼"	0.540	0.088	0.4	0.5
⅜"	0.675	0.091	0.6	0.7
½"	0.840	0.109	0.8	0.9
¾"	1.050	0.113	1.1	1.3
1"	1.315	0.133	1.7	2.1
1¼"	1.660	0.140	2.3	2.9
1½"	1.900	0.145	2.7	3.6
2"	2.375	0.154	3.6	5.0
2½"	2.875	0.203	5.8	7.9
3"	3.500	0.216	7.6	10.8
3½"	4.000	0.226	9.1	13.4
4"	4.500	0.237	10.8	16.3
SCHEDULE 40 PVC				
½"	0.405	0.068	0.04	0.06
¼"	0.540	0.088	0.07	0.11
⅜"	0.675	0.091	0.10	0.18
½"	0.840	0.109	0.15	0.25
¾"	1.050	0.113	0.20	0.40
1"	1.315	0.133	0.30	0.70
1¼"	1.660	0.140	0.40	1.00
1½"	1.900	0.145	0.50	1.40
2"	2.375	0.154	0.60	2.00
2½"	2.875	0.230	1.00	3.10
3"	3.500	0.216	1.30	4.50
3½"	4.000	0.226	1.60	5.90
4"	4.500	0.237	1.90	7.40
SCHEDULE 40 CPVC				
¼"	0.540	0.088	0.09	0.12
½"	0.840	0.109	0.19	0.28
¾"	1.050	0.113	0.25	0.43
1"	1.315	0.133	0.38	0.76
1¼"	1.660	0.140	0.51	1.08
1½"	1.900	0.145	0.61	1.49
2"	2.375	0.154	0.82	2.12
2½"	2.875	0.230	1.29	3.29
3"	3.500	0.216	1.69	4.75
4"	4.500	0.237	2.33	7.68

Nominal Tube Size	O.D. Size (in.)	Wall Thickness (in.)	Weight of Tube (lbs/ft)	Weight of Pipe Full of Water (lbs/ft)
SCHEDULE 80 STEEL				
½"	0.405	0.095	0.3	0.4
¼"	0.540	0.119	0.5	0.6
⅜"	0.675	0.126	0.7	0.8
½"	0.840	0.147	1.1	1.2
¾"	1.050	0.154	1.5	1.7
1"	1.315	0.179	2.2	2.5
1¼"	1.660	0.191	3.0	3.5
1½"	1.900	0.200	3.6	4.3
2"	2.375	0.218	5.0	6.3
2½"	2.875	0.276	7.6	9.4
3"	3.500	0.300	10.2	13.0
3½"	4.000	0.318	12.5	16.3
4"	4.500	0.337	15.0	20.0
SCHEDULE 80 PVC				
½"	0.405	0.095	0.05	0.06
¼"	0.540	0.119	0.09	0.12
⅜"	0.675	0.126	0.10	0.16
½"	0.840	0.147	0.10	0.20
¾"	1.050	0.154	0.20	0.40
1"	1.315	0.179	0.40	0.70
1¼"	1.660	0.191	0.50	1.00
1½"	1.900	0.200	0.60	1.30
2"	2.375	0.218	0.90	2.20
2½"	2.875	0.276	1.30	3.10
3"	3.500	0.300	1.80	4.60
3½"	4.000	0.318	2.20	6.00
4"	4.500	0.337	2.60	7.60
SCHEDULE 80 CPVC				
¼"	0.540	0.119	0.12	0.16
½"	0.840	0.147	0.24	0.31
¾"	1.050	0.154	0.33	0.48
1"	1.315	0.179	0.49	0.85
1¼"	1.660	0.191	0.67	1.18
1½"	1.900	0.200	0.81	1.61
2"	2.375	0.218	1.09	2.26
2½"	2.875	0.276	1.65	3.49
3"	3.500	0.300	2.21	5.02
4"	4.500	0.337	3.23	8.08
SCHEDULE 80 POLYPRO				
½"	0.840	0.147	0.14	0.19
¾"	1.050	0.154	0.19	0.33
1"	1.315	0.179	0.27	0.49
1¼"	1.660	0.191	0.38	0.85
1½"	1.900	0.200	0.45	1.18
2"	2.375	0.218	0.62	1.61
SCHEDULE 80 PVDF				
½"	0.840	0.147	0.24	0.31
¾"	1.050	0.154	0.33	0.48
1"	1.315	0.179	0.49	0.85
1¼"	1.660	0.191	0.67	1.18
1½"	1.900	0.200	0.81	1.61
2"	2.375	0.218	1.13	2.26
COPPER TYPE K				
¼"	0.375	0.035	0.14	0.17
⅝"	0.500	0.049	0.27	0.32

Nominal Tube Size	O.D. Size (in.)	Wall Thickness (in.)	Weight of Tube (lbs/ft)	Weight of Pipe Full of Water (lbs/ft)
½"	0.625	0.049	0.34	0.43
¾"	0.750	0.049	0.42	0.56
¾"	0.875	0.065	0.64	0.83
1"	1.125	0.065	0.84	1.18
1¼"	1.375	0.065	1.04	1.57
1½"	1.625	0.072	1.36	2.10
2"	2.125	0.083	2.06	3.37
2½"	2.625	0.095	2.92	4.92
3"	3.125	0.109	4.00	6.96
3½"	3.625	0.120	5.12	9.02
4"	4.125	0.134	6.51	11.57
COPPER TYPE L				
¼"	0.375	0.030	0.12	0.15
⅜"	0.500	0.035	0.20	0.26
½"	0.625	0.040	0.28	0.38
⅝"	0.750	0.042	0.36	0.51
¾"	0.875	0.045	0.45	0.66
1"	1.125	0.050	0.65	1.01
1¼"	1.375	0.055	0.88	1.42
1½"	1.625	0.060	1.14	1.91
2"	2.125	0.070	1.75	3.09
2½"	2.625	0.080	2.48	4.54
3"	3.125	0.090	3.33	6.28
3½"	3.625	0.100	4.29	8.28
4"	4.125	0.110	5.38	10.57
COPPER TYPE M				
½"	0.625	0.028	0.204	0.314
¾"	0.875	0.032	0.328	0.551
1"	1.125	0.035	0.465	0.843
1¼"	1.375	0.042	0.682	1.25
1½"	1.625	0.049	0.940	1.73
2"	2.125	0.058	1.460	2.83
2½"	2.625	0.065	2.030	4.14
3"	3.125	0.072	2.680	5.70
3½"	3.625	0.083	3.580	7.64
4"	4.125	0.095	4.660	9.83
COPPER TYPE DWV				
1¼"	1.375	0.040	0.65	1.22
1½"	1.625	0.042	0.81	1.62
2"	2.125	0.042	1.07	2.48
3"	3.125	0.045	1.69	4.81
4"	4.125	0.058	2.87	7.88
CAST IRON EXTRA WEIGHT				
2"	2.38	0.190	5.0	6.6
3"	3.50	0.250	9.0	12.7
4"	4.50	0.250	12.0	18.5
CAST IRON SERVICE WEIGHT				
2"	2.25	0.17	4	5.5
3"	3.25	0.17	6	9.4
4"	4.25	0.18	8	14.2
NO-HUB CAST IRON				
1½"	1.90	0.16	2.7	6.2
2"	2.35	0.16	3.6	8.6
3"	3.35	0.16	5.2	13.5
4"	4.38	0.19	7.4	20.2

Data from 2012 International Plumbing Code, Table 308.5.

Piping Material	Maximum Horizontal Spacing (ft)	Maximum Vertical Spacing (ft)
ABS pipe	4	10 ²
aluminum tubing	10	15
brass pipe	10	10
cast-iron pipe	5 ¹	15
copper or copper-alloy pipe	12	10
copper or copper alloy tubing, ≤ 1¼" diameter	6	10
copper or copper alloy tubing, ≥ 1½" diameter	10	10
PEX pipe	2.67	10 ²
PEX-AL-PEX pipe	2.67	4
CPVC pipe or tubing, ≤ 1"	3	10 ²
CPVC pipe or tubing, ≥ 1¼"	4	10 ²
steel pipe	12	15
lead pipe	continuous	4
PE-AL-PE pipe	2.67	4
PE-RT pipe	2.67	10 ²
PP pipe or tubing, ≤ 1"	2.67	10 ²
PP pipe or tubing, ≥ 1¼"	4	10 ²
PVC pipe	4	10 ²
stainless steel drainage systems	10	10 ²

- ¹ The maximum horizontal spacing of cast-iron pipe hangers shall be increased to 10 ft where 10-ft lengths of pipe are installed.
- ² Midstory guide for sizes 2" and smaller.

Money retained when saving time.

	2 min.	4 min.	6 min.	8 min.	10 min.
Labor Cost Per Hour Per Worker (wage + overhead + benefits + taxes)					
\$20.00	0.66	1.32	1.98	2.64	3.30
\$26.00	0.86	1.72	2.58	3.44	4.30
\$32.00	1.06	2.12	3.18	4.24	5.30
\$38.00	1.26	2.52	3.78	5.04	6.30
\$44.00	1.46	2.92	4.38	5.84	7.30
\$48.00	1.60	3.20	4.80	6.40	8.00
\$54.00	1.80	3.60	5.40	7.20	9.00
\$60.00	2.00	4.00	6.00	8.00	10.00
\$66.00	2.20	4.40	6.60	8.80	11.00
\$72.00	2.40	4.80	7.20	9.60	12.00



No Lead

A mark used to signify items, categories or subsections that comply with the material requirements of the California Lead Plumbing Law and/or NSF-61 Annex G.



IPC

A mark used to signify items, categories or subsections that are in compliance with the International Plumbing Code.



ASSE

A mark used to signify items, categories or subsections that have been tested to and certified by ASSE to the applicable ASSE product standard.



UPC

A mark used to signify items, categories or subsections that have been listed by IAPMO and are in compliance with the Uniform Plumbing Code.



cUPC

A mark used to signify items, categories or subsections that have been listed by IAPMO and are in compliance with the Uniform Plumbing Code and the National Plumbing Code of Canada.



cIAPMO

A mark used to signify items, categories or subsections that have achieved a classified listing from IAPMO, for products that lie outside the scope of the Uniform Plumbing Code.



CSA

A mark used to signify items, categories or subsections that are certified by CSA to applicable national standards.



NSF

A mark used to signify items, categories or subsections that are certified by NSF to applicable national standards.



FGG/BM/CZ

A mark used to signify items, categories or subsections that are tested and monitored by NSF to assure chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan®, registered trademarks of Lubrizol Corporation.

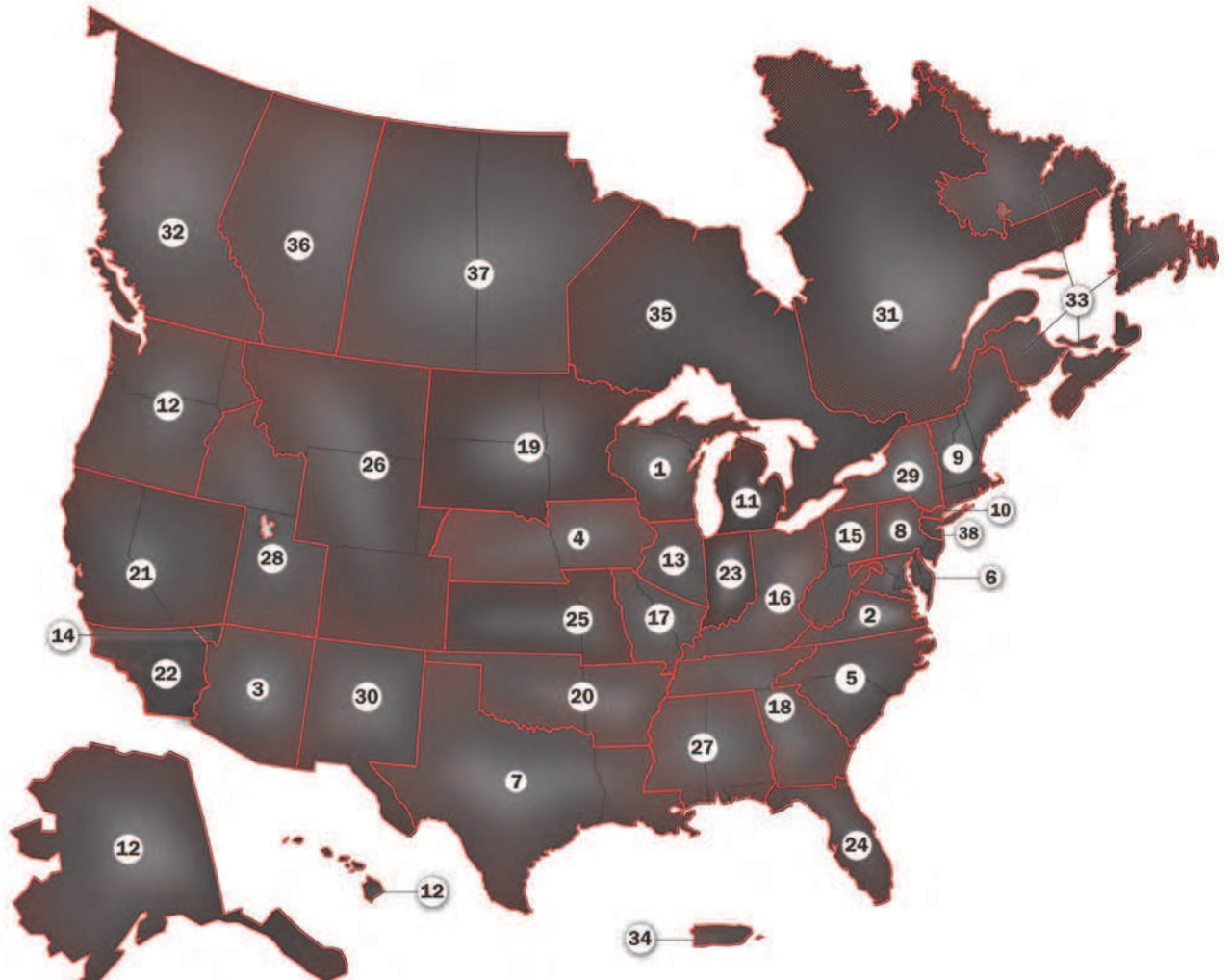


WH

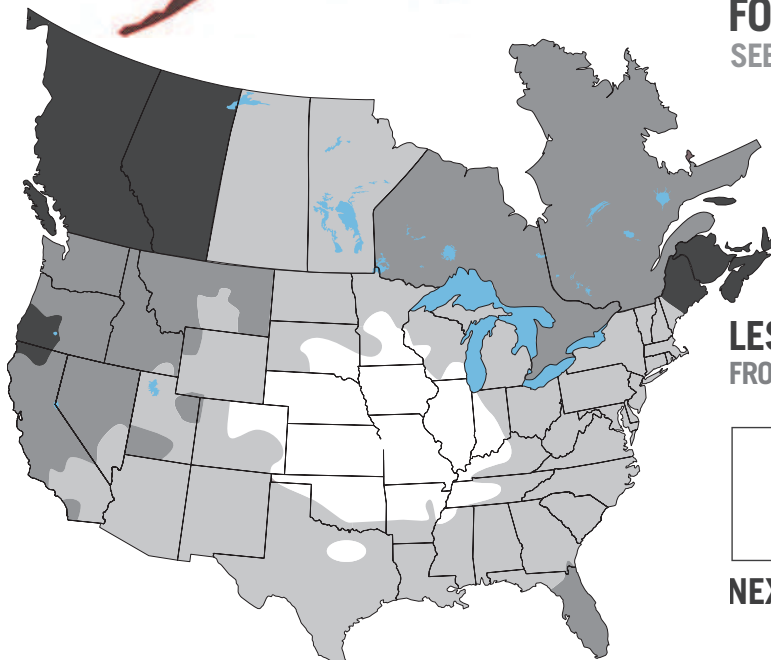
A mark used to signify items, categories or subsections that are certified by Interetek/Warnock Hersey to applicable American and Canadian standards.

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**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

COMPANY	PHONE	FAX	TERRITORY	WEBSITE OR EMAIL
Badgerland Trading of Wisconsin	(262) 827-3177	(262) 827-3176	upper MI, WI	badgerlandtrading.com
Barger Associates	(757) 873-4574	(757) 873-9530	southern VA	tolson@barger-assoc.com
Double A Sales Southwest	(602) 359-9907	N/A	AZ	doubeasales.com
Bull's I Sales	(913) 649-8391	(913) 649-8594	IA, eastern and central NE	bullsisales.com
Carolina Sales Associates	(803) 831-7227	(803) 831-2565	NC, SC	carolinasalesassoc.com
Cathell & Associates	(410) 323-9881	866-724-9380	southern DE, DC, MD, northern VA	cathell.com
Champions Marketing	(281) 955-6580	(281) 351-1125	LA, TX (except El Paso)	championsmarketing.net
Cope-Wardell-Ammon Assoc., Inc.	(610) 485-2828	(610) 485-7171	southern NJ, eastern PA, northern DE	cwaassociates.com
Davenport Associates	(800) 875-2389	(800) 451-5941	CT, MA, ME, NH, RI, VT	davenportassociates.com
Altherm, Inc.	(201) 871-0500	(201) 871-0314	northern NJ, Westchester/ Rockland counties NY	altherm.com
Exceptional Product Sales	(586) 286-3240	(586) 286-3241	lower MI	exprsa.com
Gordon & Associates	(360) 566-1470	(360) 566-1478	AK, northern ID, OR, WA, HI	gordonandassoc.com
Hart, Travers & Associates	(800) 535-8525	(630) 261-1818	northern IL, northwest IN	harttraversassoc.com
Kirk Livernash	(702) 235-7635	(702) 476-3056	southern NV, southwest UT	kirk.livernash@siouxchief.com
B Daerr Sales, LLC	(412) 461-2476	(412) 461-2476	western PA, WV	bdaerr@bdaerr.com
Lowder Sales, Inc.	(614) 451-7255	(614) 451-0450	KY, OH	lowdersales.com
M R Associates, Inc.	(314) 962-8960	(314) 962-2104	southern IL, eastern MO	mrasocinc.com
McKee-Nix & Associates, Inc.	(770) 934-8061	(770) 934-3233	GA, TN	mckeenix.com
Northland Reps	(952) 854-3905	(952) 854-5210	MN, ND, SD	northlandreps.com
NSC Marketing	(405) 602-2800	(405) 602-2824	AR, OK	N/A
Paramount Sales	(925) 373-0817	(925) 373-1048	northern CA, NV	paramountsales.biz
Signature Sales, Inc	(951) 549-1000	(951) 549-0015	southern CA	nick@signaturesalesinc.com
Jacob Ismert	(800) 821-3944	(800) 578-5950	IN	jacob.ismert@siouxchief.com
RSL Sales Associates	(800) 538-4792	(352) 237-0438	FL peninsula	rslsales.com
SFE Enterprises, Inc.	(816) 322-2206	(816) 322-5560	KS, western MO	mmoore@sfe.cc
T M Sales	(303) 375-1515	(303) 375-0305	CO, MT, western NE, WY	tmsalesinc.com
Tim Morales & Associates, Inc.	(251) 602-8333	(251) 602-8339	AL, FL panhandle, MS	timmorales.com
Touchdown Sales	(801) 916-9853	(801) 290-2513	ID, UT	N/A
Twin "D" Associates	(518) 862-9500	(518) 464-3410	upstate NY	twindassociates.com
W W Sales Company	(505) 878-0636	(505) 878-0638	NM, western TX (El Paso)	don@wswalesco.com
Can-Aqua International	(450) 625-3088	(450) 625-8617	QC	can-aqua.ca
Hy-Line Sales Ltd.	(604) 856-5648	(604) 856-8684	BC	hylinesales.com
Jessome Marketing	(902) 832-0224	(902) 832-2984	NL, NB, NS, PE	jjessome@ns.sympatico.ca
Reliable Sales Agency, Inc.	(787) 752-6690	(787) 752-6920	Puerto Rico	josereliablesales@gmail.com
TriSon Sales, Inc.	(289) 337-6012	(289) 337-6012	ON	trisonsales.com
Viper Sales & Marketing	(403) 663-5797	(403) 265-5779	AB	vipersales.ca
Eric Thompson	(800) 821-3944	(800) 758-5950	SK, MB	eric.thompson@siouxchief.com
Mitch Kopriva	(816) 779-6104	(800) 758-5950	S Boroughs / Long Island	mitch.kopriva@siouxchief.com

Limited Lifetime Warranty **126**
Terms & Conditions

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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 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., P.O. Box 397, Peculiar, Missouri 64078

PHONE: 816-779-6104

FAX: 816-758-5950

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 10 days after receipt of material.
- Seller shall not be responsible for shipment shortages that are signed for as clear.

Full Freight Allowance

Sioux Chief will pay freight on all orders to single destinations totaling at least \$2,500 list price to locations within the 48 contiguous states (United States of America), at least \$3,500 list price to locations within Hawaii, Alaska and Canada and at least \$4,500 list price to locations within Puerto Rico.

Processing of Orders

All orders are processed immediately upon receipt and acceptance by Seller. Seller reserves the right to charge back to Buyer costs incurred from order cancellations or changes, and to consider additions as separate orders.

Price Changes

All prices quoted from time to time by Seller are subject to change without notice up to time of shipment. Invoice totals and discounts will be calculated out to the fourth decimal digit. If Buyer fails to give written notice of objection to Sioux Chief's order confirmation within ten (10) days after Buyer's receipt of Sioux Chief's confirmation of the purchase order, the order confirmation pricing becomes binding.

Minimum Order Quantities

A 10% surcharge will be applied to any item not purchased in multiples of the stated Minimum Quantity, except on drop-ship orders. Items with bold Minimum Quantities in the Numerical Index (back of catalog) can never be broken.



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

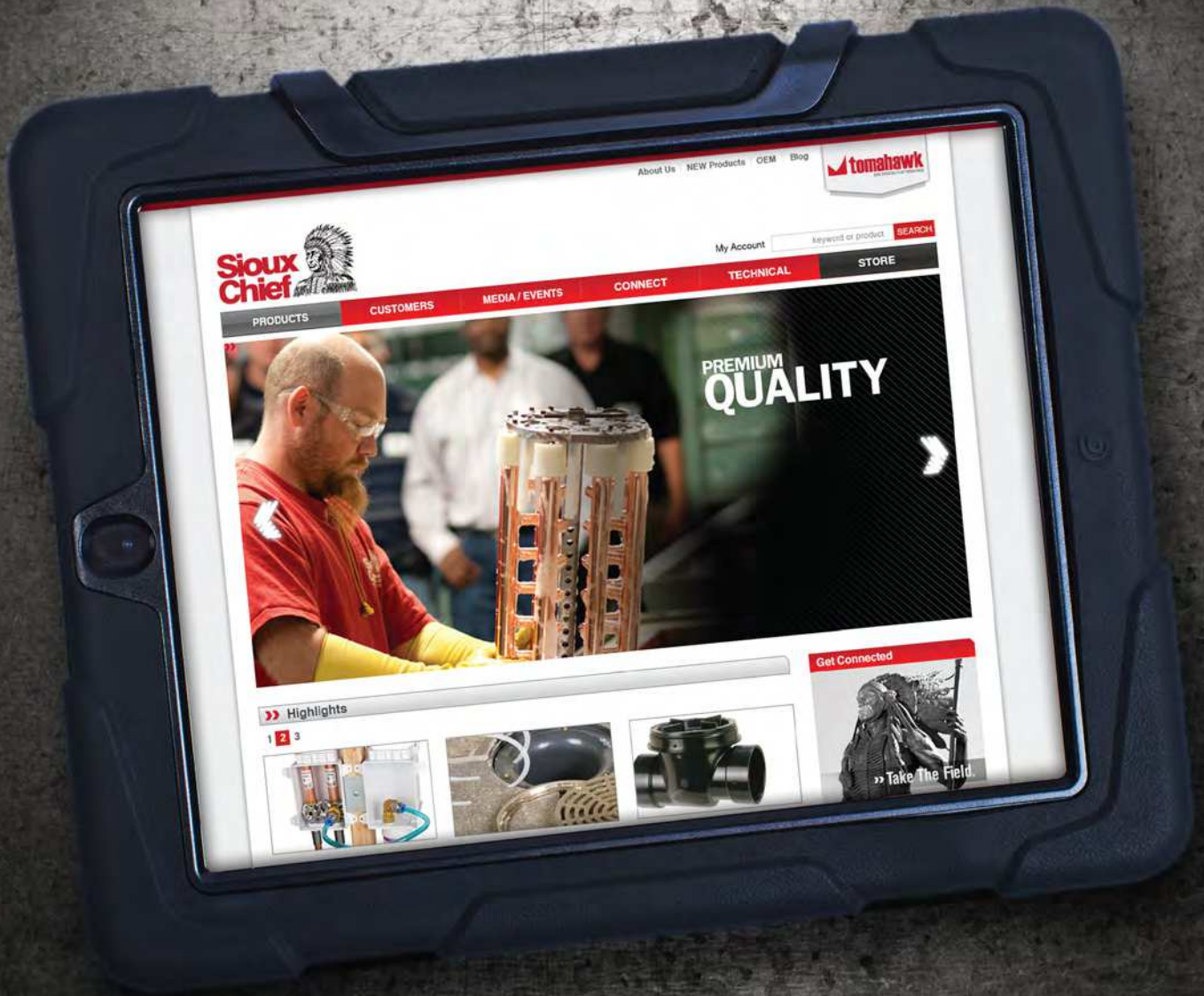
Leave blank if same as "bill to"

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				





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.**

TAKE THE FIELD.

**Sioux
Chief**



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