

# Commercial and Residential **PRODUCT LINE CATALOG**

*The plumbing industry's innovator for over half a century*



# The brands professional plumbers choose.

At IPS Corporation, we're committed to making your job easier and more profitable, with innovative, highly-reliable products that help contractors work faster and smarter; and brands that help retailers differentiate themselves. Our customer service team is the most responsive in the business, and we will never stop working to exceed your expectations.



**WELD-ON**  
IPS CORPORATION



**WATER-TITE**  
IPS CORPORATION



**STUDOR**  
IPS CORPORATION



**AB&A**  
IPS CORPORATION



**GUY GRAY**  
IPS CORPORATION



**TRUEBRO**  
IPS CORPORATION



**TEST-TITE**  
IPS CORPORATION

800-888-8312  
[www.ipscorp.com](http://www.ipscorp.com)

**IPS**  
CORPORATION

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## **WELD-ON®**

IPS CORPORATION

The era of plastic piping in the United States began in 1954 with the introduction of Weld-On® PVC 710™, America's first plastic pipe cement. Through the 1960s, IPS introduced several other PVC, transition and ABS cements, cleaners and primers. Today, Weld-On offers the widest range of solvent cements for plumbing, industrial grade pipe and fittings up to 30". Weld-On formulations are all low-VOC, all the time.

## **GUY GRAY™**

IPS CORPORATION

Beginning with the industry's first washing machine outlet box in 1958, the Guy Gray line has evolved into a broad line of high-quality products, including FR-12 Fire-rated Boxes, Stainless Steel, White Powder Coated, Dual Drain, Dishwasher, Dryer, Gas, Coffee Maker and Dialysis Outlet Boxes. The initial offering of domestic valves now includes Single Lever, Quarter-turn and Hammer Arrestor Valves with Solder, PEX, CPVC and other connections.

## **WATER-TITE**

IPS CORPORATION

In 1969, Water-Tite standardized laundry connections with the first plastic Washing Machine Recessed Outlet Box. In 1978, IPS's reputation as industry innovators expanded with the first recessed Ice Maker Outlet Box. Labor-saving products also include the 3 N 1™ Multi-Size Roof Flashing, Right Strap™ Multi-Functional Clamp, Single Shot Insulating Clamp, Techno Flange®, Angle Stop Boxes and Dimple Valve, and Stabilizer Support System. Today, the Water-Tite product line offers a wide range of plastic labor-saving specialty plumbing products.

## **TEST-TITE®**

IPS CORPORATION

The Test-Tite® brand has over 40 years experience in manufacturing a complete line of pneumatic and mechanical test plugs. Our full line of pneumatic test plugs include standard, multi-size, cleanout, long and bypass pneumatic plugs for use in residential, commercial and underground markets. Pneumatic plugs, up to 15" diameter, come standard with a Pressure Relief Valve - the first full line of Pressure Relief Plugs in the Plumbing industry. Our pneumatic plugs come standard with a heavy wall thickness which allows us to offer a 3 year warranty. Our full line of mechanical test plugs include Twist-Tite wing nut test plugs, T-Cone Cleanout and Repair Plugs, Twist 'N Seal®, Flush Cleanout Repair Plugs, and the all new Mechanical Cleanout Test Plug.





Since 1931, the AB&A™ product family has grown to include a full line of plastic and brass bath wastes, plastic, cast-iron and brass plumbing drains and fittings, cleanouts and associated accessories. Easy-to-install AB&A bath wastes are offered in an assortment of special finishes to complement today's designs and customer preferences. A wide range of lavatory, floor and shower drains are available in plastic, bronze or cast brass. Recognized for consistent high quality, AB&A products are used in both new construction and retrofit markets.



In 1970, Studor's founder, Sture Ericson, developed AAV technology, which was brought to the United States in 1986. Today, Studor® remains the only specialized AAV manufacturer in the world, with millions of valves successfully installed in North America and worldwide. Studor has pioneered AAV technology since its introduction in the USA. Accordingly, AAVs are commonly referred to as "Studor vents" – the brand name in the industry. The expertise in designing plumbing systems by Studor engineers is unmatched. Remember, "It's not a Studor valve unless it says so!"



The Truebro line consists of protective undersink pipe covers and plumbing enclosures for ADA compliance in handicap-accessible lavatories and sinks – for both new construction and retrofit markets. The Lav Guard® 2, Lav Shield®, Basin Guard®, and Soft Guard Plus™ are professional ADA-mandated protection systems designed for durability, aesthetics, and sanitary installations. The Lav Guard® 2 series of undersink pipe wraps offer E-Z Tear to Fit and built-in fasteners for fast, easy installation. Lav Shield® is an attractive, designer-style, tamper-resistant ADA-engineered protective lavatory enclosure. Basin Guard® is a clean and durable design for ADA-compliance in lavatories installed into countertops.



## The leading edge of product innovation



### Water-Tite Combination Clamps

Designed to fit two different sizes of pipe, Water-Tite Combination Clamps eliminate the need to stock multiple clamp sizes. The line includes Combination Half Clamps, which feature a preloaded nail for fast installation and an angled seat for added stability with larger pipes, plus Suspension/Insulator Clamps for through-the-stud and suspended applications.

- Available in Half, 2-Hole, Suspension, Insulator and Suspension/Insulator styles
- Reduces inventory and installation times
- Compatible with CTS copper, PEX and CPVC piping
- Half Clamps available in ½" & ¾" CTS and ¾" IPS & 1 ¼" CTS sizes
- Full product listing on page 82



### Water-Tite Professional Grade Drain Cleaner

Formulated to dissolve the toughest clogs, Water-Tite Professional Grade Drain Cleaner offers the strength of a sulfuric acid emulsion plus the safety and convenience of an integrated, resealable bag. The acid-resistant bag helps prevent dangerous spills or leaks after opening – another industry first from IPS.

- Sulfuric acid-based emulsion liquefies organic contaminants on contact
- Dissolves grease, soap scum, hair, wood, sanitary napkins, paper and more
- Safe for PVC, cast iron, copper, steel and galvanized pipes, and septic tanks
- Resealable bag helps prevent damage or injury from spills or leaks
- Available in heavy-grade pitch bottles in quart, half gallon and gallon sizes
- For professional use only
- Full product listing on page 36

## Water-Tite PEX Bend Supports

Designed to provide robust, 90-degree support for PEX Tubing, Water-Tite PEX Bend Supports offer three mounting options. When installed on the new PEX Bend Support Bracket, the supports can rotate a full 360 degrees with positive locking at 45-degree intervals.

- Mounts on stud or joist, through Water-Tite Stabilizer Bar, or into PEX Bend support bracket
- Reduces noise and vibration
- Plastic material eliminates cutting or scratching of tubing
- Allows room for expansion/contraction with changing water temperatures
- For residential or commercial applications
- Fits  $\frac{3}{8}$ " and  $\frac{1}{2}$ " tubing
- Full product listing on page 80



## Water-Tite Washing Machine Outlet Box with SharkBite® Fittings

Combining the premier push-fit connection with Water-Tite's one-piece recessed outlet box's construction, this innovative Water-Tite outlet box installs much more quickly than separate drain and valve boxes. The multi-purpose push-fit connectors eliminate the need to stock a variety of connections. The box also includes a built-in, raised drip guard that sends valve or hose leaks safely down the drain.

- Dual drain, right drain, or left drain mounting options
- Easy-to-access, forward-mounted shutoff valves
- Links to copper, CPVC or PEX pipe
- Raised, integral test caps allow easy removal
- Full product listing on page 59





## Test-Tite® Full Line of Pneumatic Test Plugs with Pressure Relief Valves

Pressure relief valves are now standard with all Test-Tite® Pneumatic Test Plugs – the industry’s first full line of test plugs to offer this key safety feature. The built-in valve releases excess pressure above recommended inflation pressure, reducing the risk of over-inflation when testing or temporarily blocking DWV systems. Relieved air pressure exhausts through top of plug – not into the test area – and the plug returns to proper size and inflation pressure.

- Standard, long and bypass pneumatic plug styles
- Available in 1 ½" – 15" sizes for plumbing applications
- No moving parts to fail, malfunction, or plug
- Three-year limited warranty
- Full product listing on page 100



## 750™ HOTWELD Solvent Cement

Weld-On 750 HOTWELD is the same all-weather, wet or dry, PVC solvent cement that professional contractors, manufacturers and repair professionals have trusted for over 20 years. Proven effective in wet, damp, cold environments, Weld-On 750 HOTWELD is a one-step, Low-VOC formulation that complies with LEED requirements.

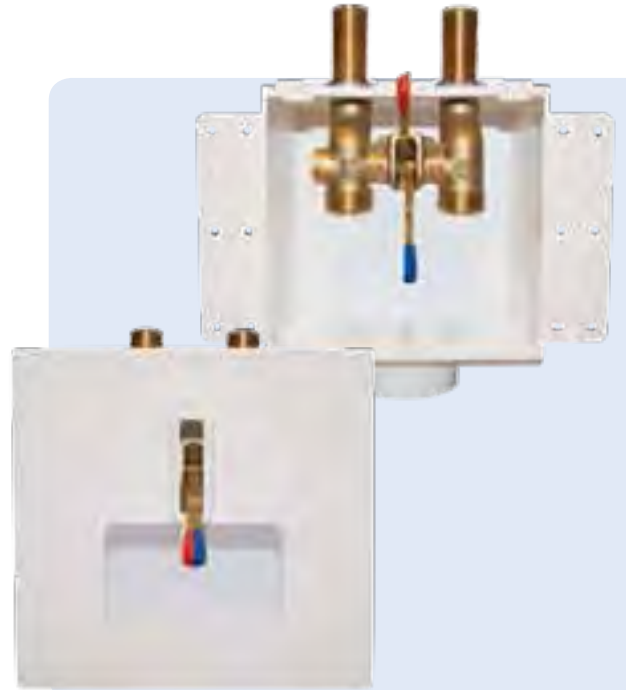
- Medium-bodied, high strength, fast-setting
- Superior long-term performance
- Low VOC, LEED-compliant
- Full product listing on page 22



## Guy Gray™ Dual Control Single Lever Washing Machine Outlet Box

Offering the quality construction and easy installation expected from Guy Gray, the new Dual Control Single Lever Washing Machine Outlet Box lets users control hot and cold supply lines together, or independently. The unique faceplate allows flush installation and covers the entire box for a clean finish.

- **One-piece construction – no loose parts to assemble**
- **Built-in, raised drip guard sends hose leaks down the drain**
- **Snap-on frame**
- **Oversized knockouts won't fall down drain**
- **Full product listing on page 45**



## Studor® REDI-VENT® AAV with Tubular Adapter Tee

From the brand synonymous with air admittance valves comes another AAV advance: Studor® REDI-VENT AAV with Tubular Adapter Tee. The tubular tee installs in-line with a tubular p-trap; the REDI-VENT mounts on the tee branch and is set the required 4 inches above the line.

- **Valve screens protect sealing assembly from insects and debris**
- **Vents up to 20 DFUs**
- **Limited lifetime warranty for replacement of defective valves**
- **Full product listing on page 176**





## New and Improved Studor® Recessed Box for Air Admittance Valves

Offering an attractive, convenient way to conceal and access air admittance valves in DWV systems, the new and improved Studor® Recessed Box installs easily and features a snap-on grille for a sleek, clean finish. Small and low profile, the box also includes an industry-first integral test cap that enables leak testing and protection of the DWV system during construction.

- Connects to 1 ½" or 2" ABS or PVC vent pipe without adapters
- No additional framing or support required when installed to the stud bay
- For use with Studor MINI-VENT®, REDI-VENT®, or TEC-VENT® AAVs
- Includes integral test cap
- Carries UPC and ICC listings
- Full product listing on page 176



## AB&A™ Heavy Duty Full Brass Shower Drain

Designed for use with copper shower pans, this new AB&A™ heavy duty full brass shower drain with clamping ring joins an already extensive line of brass drains. 3 ⅜" center screw holes in the barrel accommodate existing round or square brass drain strainers.

- 2" FIP connection
- Stainless steel strainer
- Chromed brass barrel
- Full product listing on page 135

## Full Lead-Free Product Offering

To comply with the “Reduction of Lead in Drinking Water Act,” IPS now offers a full line of lead-free compliant products. Packaging for all IPS lead-free products include the circle and checkmark logo; outlet box valves will also be stamped with the checkmark and include a new white handle for quick identification.

Includes Water-Tite and Guy Gray:

- **Ice Maker, Dishwasher and Coffee Maker Outlet Boxes**
- **Hammer Arresters**
- **Angle Stop and Toilet Connection Boxes**



## Electrical Mast Roof Flashing

The new Electrical Mast Roof Flashing offers a fast, easy retrofit solution for a time-consuming job – replacing flashings around electrical masts on shingle roofs. This durable EPDM flashing features a one-piece design that eliminates the need to fabricate a standard vent pipe flashing onsite, or to unhook dangerous power lines.

- **Constructed of durable EPDM rubber**
- **Flashing base reinforced with strong, rigid galvanized mesh**
- **Manufactured to ISO 9001 standards**
- **20-year warranty**
- **Exceeds Dade County Chapter 15 flashing requirements**
- **Full product listing on page 97**





## Dialysis Box

Joining our original, heavy-duty brand of Recessed Outlet Boxes, Guy Gray Dialysis Boxes are designed for reverse osmosis and deionized water mixed with dialysate saline concentrate. Featuring sturdy, stainless steel construction to prevent corrosion, the boxes are available with one- or two-supply valves, and contain a nominal 2" waste outlet.

- Access door may be positioned in any convenient orientation; door includes concealed hinge and Cam Cylinder lock w/two keys
- Tailpiece waste connection is 2 3/8" OD Stainless Steel, Stainless Steel adjustable wall faceplate for a clean, sleek finish
- PVC valves are ball-style with EPDM seals and O-ring; 1/2" FPT Schedule 80; flushing nipple is included
- Equipment drain tube support is located directly over drain to eliminate splatter and minimize clean-up
- Full product listing on page 54



## Solar Rain Collar

The new and improved Solar Collar (RCS1) delivers a water-tight seal for roof-mounted solar energy systems. Installation-friendly, this new collar requires no mastic, caulking or taping. Combined with IPS solar flashings, RCS1 solar rain collars offer all the protection that solar energy systems demand.

- For commercial and residential solar mounting systems
- Mess-free installation
- Low profile design fits 7/8" to 1" leg supports
- Full product listing on page 97

**IPS Corporation is committed to developing products that enable plumbing professionals to do quality work, faster.**

- 1954** ○ **WELD-ON®**  
First solvent welding products for America's plumbing industry
- 1969** ○ **WATER-TITE**  
First plastic washing machine box
- 1978** ○ **WATER-TITE**  
First ice maker box, recessing supply valve in the wall
- 1987** ○ **WATER-TITE**  
First adjustable, multi-size residential roof vent flashings
- 1998** ○ **STUDOR®**  
IPS Corporation acquires STUDOR, Inc.
- 2000** ○ **GUY GRAY™**  
IPS Corporation acquires respected GUY GRAY line of boxes.
- 2004** ○ **TRUEBRO®**  
IPS Corporation acquires TRUEBRO, Inc.
- 2005** ○ **WATER-TITE**  
Patented Techno Flange and Single Shot products eliminate installation risks, reduce installation time.
- 2009** ○ **WELD-ON®**  
Entire line of solvent cements and primers for plastic piping systems is all low-VOC, all the time
- 2010** ○ **TEST-TITE®**  
Mechanical cleanout test plug requires no tools for quick installation
- **TEST-TITE®**  
Patented pressure relief pneumatic test plug reduces risk of over-inflation
- 2011** ○ **AB&A™**  
IPS Corporation acquires AB&A Corp. and its line of bath drains.
- 2012** ○ **WELD-ON®**  
Weld-On launches a line of cements exclusively for the plumbing industry.
- 2013** ○ **WATER-TITE & GUY GRAY™**  
IPS Corporation announces a full lead-free product offering.



## 1954 – Weld-On® pioneered the solvent cement industry

The plastic piping era in the United States began with the introduction of Weld-On®'s first plastic pipe cement. Ever since, Weld-On cements, cleaners and primers have been delivering industry-leading performance and revolutionizing plastic piping assembly.

## Today's Weld-On® – all low-VOC, all the time

Recognized as the world's premium line of products for joining plastic pipes and fittings, today's Weld-On solvent cements, primers and cleaners all meet low-VOC (Volatile Organic Compound) emission limits. These eco-friendly, plumber-friendly products are yet another industry first, from the industry's first plastic pipe cement provider.



COLOR	GRADE	Nominal Pipe Size	mm in	20	25	32	40	50	63	75	90	110	160	200	250	315	355	600	800			
				1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	24	30			
AQUA BLUE	I	P75																				
	I	P70																				
	P	Plumbing Primer																				
PURPLE CLEAR	P	794***																				
	P	790**																				
BLACK	P	778																				
	P	773																				
	P	771																				
GRAY	I	729																				
	I	724 <sup>∅</sup>																				
	I	714																				
	P	713																				
	P	Flow Guard Gold <sup>†a</sup>																				
SPECIALTY CEMENTS	P	795																				
	I	738 <sup>†</sup>																				
	P	737 <sup>†</sup>																				
	P	735 <sup>†</sup>																				
	P	727 <sup>†</sup>																				
	I	725 <sup>†</sup>																				
	EXTRA HEAVY BODY	I	719																			
		P	782																			
	HEAVY BODY	I	711																			
		P	781 <sup>†</sup>																			
MEDIUM BODY	I	721 <sup>†</sup>																				
	P	781 <sup>†</sup>																				
REGULAR BODY	I	710																				
	P	702																				
	P	780																				

For assistance in selecting the right Weld-On® products for your application, please refer to the selection guide.

### Pipe Format

- Schedule 40/PN3.2, PN4, PN6
- Schedule 80/PN10, PN16

<sup>†</sup> Can be used without a primer with fittings having an interference fit (unless primer required by local code).

<sup>a</sup> Flow Guard Gold® is a registered trademark of the Lubrizol Corp.

<sup>∅</sup> For CPVC and PVC Chemical Piping Systems

\*\* PVC, CPVC, ABS and Styrene Pipes

\*\*\* ABS to PVC Transition Joints

CTS: Copper Tube Size

P: Plumbing Grade

I: Industrial Grade





# Solvent Cement Average Set and Cure Times



AVERAGE INITIAL SET SCHEDULE FOR WELD-ON PVC/CPVC SOLVENT CEMENTS**					
Temperature Range	Pipe Sizes ½" to 1¼" 20mm to 40mm	Pipe Sizes 1½" to 2" 50mm to 63mm	Pipe Sizes 2½" to 8" 75mm to 200mm	Pipe Sizes 10" to 15" 250mm to 380mm	Pipe Sizes 15"+ 380mm +
60°-100°F/16°-38°C	2 minutes	5 minutes	30 minutes	2 hours	4 hours
40°-60°F/5°-16°C	5 minutes	10 minutes	2 hours	8 hours	16 hours
0°-40°F/-18°-5°C	10 minutes	15 minutes	12 hours	24 hours	48 hours

**Note** – Initial set schedule is the necessary time to allow before the joint can be carefully handled. In damp or humid weather allow 50% more set time.

\*\* These figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly. This chart should be used as a general reference only.

AVERAGE JOINT CURE SCHEDULE FOR WELD-ON PVC/CPVC SOLVENT CEMENTS**								
Relative Humidity 60% or Less	Pipe Sizes ½" to 1¼" 20mm to 40mm		Pipe Sizes 1½" to 2" 50mm to 63mm		Pipe Sizes 2½" to 8" 75mm to 200mm		Pipe Sizes 10" to 15" 250mm to 380mm	Pipe Sizes 15"+ 380mm +
Temperature range during assembly and cure periods	up to 160 psi/ 11 Bar	160 to 370 psi/ 11 to 26 Bar	up to 160 psi/ 11 Bar	160 to 315 psi/ 11 to 22 Bar	up to 160 psi/ 11 Bar	160 to 315 psi/ 11 to 22 Bar	up to 100 psi/ 7 Bar	up to 100 psi/ 7 Bar
60°-100°F/16°-38°C	15 min	6 hrs	30 min	12 hrs	1½ hrs	24 hrs	48 hrs	72 hrs
40°-60°F/5°-16°C	20 min	12 hrs	45 min	24 hrs	4 hrs	48 hrs	96 hrs	6 days
0°-40°F/-18°-5°C	30 min	48 hrs	1 hour	96 hrs	72 hrs	8 days	8 days	14 days

**Note** – Joint cure schedule is the necessary time to allow before pressurizing system. In damp or humid weather allow 50% more cure time.

\*\* These figures are estimates based on testing done under laboratory conditions. Field working conditions can vary significantly. This chart should be used as a general reference only.

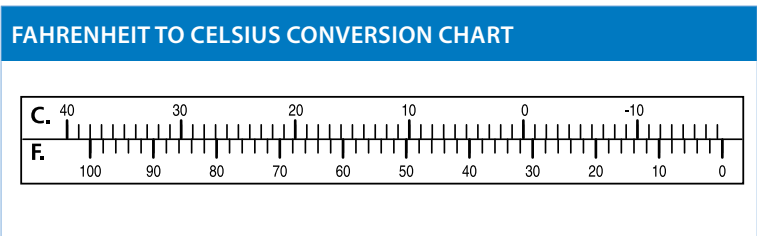
AVERAGE NUMBER OF JOINTS/QUART (1Kg) OF WELD-ON CEMENT*													
Pipe Diameters	½" 20mm	¾" 25mm	1" 32mm	1½" 50mm	2" 63mm	3" 90mm	4" 110mm	6" 160mm	8" 200mm	10" 250mm	12" 315mm	15" 380mm	18" 450mm
Number of Joints	300	200	125	90	60	40	30	10	5	2-3	1-2	¾	½

**Note – For Primer:** Double the number of joints shown for cement.

\* These figures are estimates based on our laboratory tests. Due to the many variables in the field, these figures should be used as a general guide only. **Note: 1 Joint = 1 Socket**

PIPE SIZE EQUIVALENT CHART – INCHES/MILLIMETERS																	
in.	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"	6"	8"	10"	12"	14"	18"	24"	30"
mm.	20	25	32	40	50	63	75	90	110	160	200	250	315	355	450	600	800

PRODUCT SHELF LIFE	
Weld-On Products	Shelf-life
Primers / Cleaners	3 years
PVC Solvent Cement	3 years
CPVC Solvent Cement	2 years



### CATEGORY 1

### Professional Plumbing-Grade PVC Cement

#### 780™ PVC Plumbing, Clear, Regular-Bodied, Fast-Setting



- Regular-bodied, fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 4" (110 mm) diameter (except Schedule 80)

- Specialty formulated for plumbing applications, including PVC foam core pipe

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14004	¼ Pt. Can with Applicator Cap	14004	012181-140048	0.220	24	8
14003	½ Pt. Can with Applicator Cap	14003	012181-140031	0.370	24	15
14002	Pt. Can with Applicator Cap	14002	012181-140024	0.360	12	14
14001	Qt. Can with Applicator Cap	14001	012181-140017	0.670	12	27
14000	Gal. Can with Screw-on Cap	14000	012181-140000	1.070	6	52

#### 702™ PVC Clear, Regular-Bodied, Fast-Setting



- Regular-bodied, fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 4" (110 mm) diameter (except Schedule 80)

- Excellent for DWV, irrigation, electrical conduit, pool & spa and plumbing, including PVC foam core pipe

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10978	¼ Pt. Can with Applicator Cap	107020051	012181-109786	0.29	24	8
10977	½ Pt. Can with Applicator Cap	107020041	012181-109779	0.41	24	15
10976	Pt. Can with Applicator Cap	107020031	012181-109762	0.42	12	14
10975	Qt. Can with Applicator Cap	107020021	012181-109755	0.78	12	27
10974	Gal. Can with Screw-on Cap	107020011	012181-109748	1.21	6	51

#### 781™ PVC Plumbing, Clear, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter

- Specialty formulated for plumbing applications, including PVC foam core pipe

- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14009	¼ Pt. Can with Applicator Cap	14009	012181-140093	0.220	24	8
14008	½ Pt. Can with Applicator Cap	14008	012181-140086	0.370	24	15
14007	Pt. Can with Applicator Cap	14007	012181-140079	0.360	12	14
14006	Qt. Can with Applicator Cap	14006	012181-140062	0.670	12	27
14005	Gal. Can with Screw-on Cap	14005	012181-140055	1.070	6	52

#### 781™ PVC Plumbing, Gray, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter

- Specialty formulated for plumbing applications, including PVC foam core pipe

- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14014	¼ Pt. Can with Applicator Cap	14014	012181-140147	0.220	24	8
14013	½ Pt. Can with Applicator Cap	14013	012181-140130	0.370	24	15
14012	Pt. Can with Applicator Cap	14012	012181-140123	0.360	12	14
14011	Qt. Can with Applicator Cap	14011	012181-140116	0.670	12	27
14010	Gal. Can with Screw-on Cap	14010	012181-140109	1.070	6	52

### 782™ PVC Plumbing, Clear, Heavy-Bodied, Medium-Setting

- Heavy-bodied, medium-setting, low-VOC PVC cement for all classes and schedules with interference fit through 12" (315 mm) diameter (non-pressure applications only up to 18")

- Specialty formulated for plumbing applications, including PVC foam core pipe
- Good gap filling properties and its medium set allows more working time in warm weather



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14019	¼ Pt. Can with Applicator Cap	14019	012181-140192	0.290	24	9
14018	½ Pt. Can with Applicator Cap	14018	012181-140185	0.370	24	15
14017	Pt. Can with Applicator Cap	14017	012181-140178	0.360	12	14
14016	Qt. Can with Applicator Cap	14016	012181-140161	0.670	12	28
14015	Gal. Can with Screw-on Cap	14015	012181-140154	1.070	6	53

### 782™ PVC Plumbing, Gray, Heavy-Bodied, Medium-Setting

- Heavy-bodied, medium-setting, low-VOC PVC cement for all classes and schedules with interference fit through 12" (315 mm) diameter (non-pressure applications only up to 18")

- Specialty formulated for plumbing applications, including PVC foam core pipe
- Good gap filling properties and its medium set allows more working time in warm weather



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14023	½ Pt. Can with Applicator Cap	14023	012181-140239	0.370	24	15
14022	Pt. Can with Applicator Cap	14022	012181-140222	0.360	12	14
14021	Qt. Can with Applicator Cap	14021	012181-140215	0.670	12	28
14020	Gal. Can with Screw-on Cap	14020	012181-140208	1.070	6	53

### CATEGORY 1

### Professional Plumbing-Grade PVC Specialty Cement

#### 727™ PVC Hot 'R Cold™ Clear, Medium-Bodied, Very Fast-Setting



- Medium-bodied, very fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter
- Premium formula for all weather conditions (-15°F to 110°F, -26°C to 43°C)

- Excellent for industrial, irrigation, electrical conduit, pool & spa and plumbing, including PVC foam core pipe
- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10842	Pt. Can with Applicator Cap	107270031	012181-108420	0.42	12	14
10841	Qt. Can with Applicator Cap	107270021	012181-108413	0.78	12	28
10840	Gal. Can with Screw-on Cap	107270011	012181-108406	1.21	6	53

#### 735™ PVC Wet 'N Fast™ Blue, Medium-Bodied, Extremely Fast-Setting



- Medium-bodied, extremely fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, schedule 80 through 4" (110 mm) diameter

- Plumbing quality cement for wet conditions and/or quick pressurization
- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12498	¼ Pt. Can with Applicator Cap	107350951	012181-124987	0.29	24	8
12497	½ Pt. Can with Applicator Cap	107350941	012181-124970	0.41	24	15
12496	Pt. Can with Applicator Cap	107350931	012181-124963	0.42	12	14
12495	Qt. Can with Applicator Cap	107350921	012181-124956	0.78	12	27
12494	Gal. Can with Screw-on Cap	107350911	012181-124949	1.21	6	53

#### 737™ PVC Turf 'N Ag™ Blue, Medium-Bodied, Very Fast-Setting



- Medium-bodied, very fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 8" (200 mm) diameter, Schedule 80 through 4" (110 mm) diameter

- High quality blue cement has a slightly higher viscosity making it ideal for turf and agricultural applications and excellent for PVC Well casing

- Works well in wet conditions and/or quick pressurization
- Blue color fades to clear in sunlight

- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
11985	¼ Pt. Can with Applicator Cap	107370951	012181-119853	0.29	24	8
11984	½ Pt. Can with Applicator Cap	107370941	012181-119846	0.41	24	15
10990	Pt. Can with Applicator Cap	107370931	012181-109908	0.42	12	14
10989	Qt. Can with Applicator Cap	107370921	012181-109892	0.78	12	28
10988	Gal. Can with Screw-on Cap	107370911	012181-109885	1.21	6	53

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AB&A<sup>®</sup>  
IPS CORPORATION

STUDOR<sup>®</sup>  
IPS CORPORATION

TRUEBRO<sup>®</sup>  
IPS CORPORATION

### 795™ Flexible PVC Clear, Medium-Bodied, Fast-Setting

- Medium-bodied, fast-setting, low-VOC PVC solvent cement for use on flex/flex and flex/rigid PVC with interference fit through 6" (160 mm) diameter, Schedule 80 through 3" (90 mm) diameter

- Premium cement specially formulated for use on flexible and/or rigid PVC
- Forms flexible, high-strength, water-resistant joints



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10283	¼ Pt. Can with Applicator Cap	107950051	012181-102831	0.29	24	8
10282	½ Pt. Can with Applicator Cap	107950041	012181-102824	0.41	24	15
10281	Pt. Can with Applicator Cap	107950031	012181-102817	0.42	12	14
10280	Qt. Can with Applicator Cap	107950021	012181-102800	0.78	12	27
10278	Gal. Can with Screw-on Cap	107950011	012181-102787	1.21	6	51

### 795™ Flexible PVC Blue, Medium-Bodied, Fast-Setting

- Medium-bodied, fast-setting, low-VOC PVC solvent cement for use on flex/flex and flex/rigid PVC with interference fit through 6" (160 mm) diameter, Schedule 80 through 3" (90 mm) diameter

- Premium cement specially formulated for use on flexible and/or rigid PVC
- Forms flexible, high-strength, water-resistant joints



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
11905	Qt. Can with Applicator Cap	107950921	012181-119051	0.78	12	27
11727	Gal. Can with Screw-on Cap	107950911	012181-117279	1.21	6	51

### CATEGORY 1

### Professional Industrial-Grade PVC Cement

#### 710™ PVC Clear, Regular-Bodied, Very Fast-Setting



- Regular-bodied, very fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 2" (63 mm) diameter (except Schedule 80)

- Specially formulated for irrigation piping. Also suitable for electrical conduit, pool & spa and plumbing, including PVC foam core pipe

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10115	¼ Pt. Can with Applicator Cap	107100051	012181-101155	0.29	24	8
10114	½ Pt. Can with Applicator Cap	107100041	012181-101148	0.41	24	15
10113	Pt. Can with Applicator Cap	107100031	012181-101131	0.42	12	14
10112	Qt. Can with Applicator Cap	107100021	012181-101124	0.78	12	27
10111	Gal. Can with Screw-on Cap	107100011	012181-101117	1.21	6	52

#### 705™ PVC Clear, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter

- High-strength formula for industrial, irrigation, DWV, electrical conduit, pool & spa and plumbing, including PVC foam core pipe

- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10103	¾ Oz. Tube	107050064	012181-101032	0.10	48	3
10100	¼ Pt. Can with Applicator Cap	107050051	012181-101001	0.29	24	8
10097	½ Pt. Can with Applicator Cap	107050041	012181-100974	0.41	24	15
10093	Pt. Can with Applicator Cap	107050031	012181-100936	0.42	12	14
10089	Qt. Can with Applicator Cap	107050021	012181-100899	0.78	12	27
10085	Gal. Can with Screw-on Cap	107050011	012181-100851	1.21	6	52

#### 705™ PVC Gray, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter

- High-strength formula for industrial, irrigation, DWV, electrical conduit, pool & spa and plumbing, including PVC foam core pipe

- Can be used without primer on non-pressure systems if local codes permit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10101	¼ Pt. Can with Applicator Cap	107050151	012181-101018	0.29	24	8
10098	½ Pt. Can with Applicator Cap	107050141	012181-100981	0.41	24	15
10094	Pt. Can with Applicator Cap	107050131	012181-100943	0.42	12	14
10090	Qt. Can with Applicator Cap	107050121	012181-100905	0.78	12	27
10086	Gal. Can with Screw-on Cap	107050111	012181-100868	1.21	6	52

#### 721™ PVC Blue, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, high-strength, low-VOC PVC solvent cement. Suitable for use on rigid PVC with interference fit Sch. 40 through 6" and Sch. 80 through 4"

- Suitable for use as a one-step cement without primer on PVC Sch. 40 and SDR pressure water piping systems through 4" unless primer is required by local code

- Premium, high-strength formulation for irrigation, DWV, pool & spa, plumbing and non-pressure application

- Do not use 721 without primer in any other application, schedule, or size such as Sch. 80 industrial applications

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10849	¼ Pt. Can with Applicator Cap	107210951	012181-108499	0.29	24	8
10163	½ Pt. Can with Applicator Cap	107210941	012181-101636	0.41	24	15
10162	Pt. Can with Applicator Cap	107210931	012181-101629	0.42	12	14
10161	Qt. Can with Applicator Cap	107210921	012181-101612	0.78	12	28
10160	Gal. Can with Screw-on Cap	107210911	012181-101605	1.21	6	53

### 711™ PVC Gray, Heavy-Bodied, Medium-Setting

- Heavy-bodied, medium-setting, low-VOC PVC cement for all classes and schedules with interference fit, including Schedule 80 through 12" (315 mm) diameter

- High-strength is ideal for industrial piping systems
- Good gap-filling properties and its medium set allows more working time in warm weather



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10123	½ Pt. Can with Applicator Cap	107110141	012181-101230	0.41	24	15
10121	Pt. Can with Applicator Cap	107110131	012181-101216	0.42	12	14
10119	Qt. Can with Applicator Cap	107110121	012181-101193	0.78	12	28
10117	Gal. Can with Screw-on Wide-mouth Cap	107110111	012181-101179	1.21	6	54

### 719™ PVC Gray, Extra Heavy-Bodied, Slow-Setting

- Extra heavy-bodied, slow-setting, low-VOC PVC cement for all classes and schedules with interference fit, including Schedule 80 through 30" (800 mm) diameter

- Ideal for fabrication of large fittings and applications requiring high gap filling properties. Suitable for irrigation, conduit, pressure and non-pressure applications



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10156	Qt. Triple Tight Paint Can	107190122	012181-101568	0.78	12	29
13078	Gal. Wide-mouth Can	107190115	012181-130780	1.21	6	56

### 719™ PVC White, Extra Heavy-Bodied, Slow-Setting

- Extra heavy-bodied, slow-setting, low-VOC PVC cement for all classes and schedules with interference fit, including Schedule 80 through 30" (800 mm) diameter

- Ideal for fabrication of large fittings and applications requiring high gap filling properties. Suitable for irrigation, conduit, pressure and non-pressure applications



- Premium, high-strength formulation for large size industrial piping systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12658	10.3 oz Tube	107190266	012181-126585	0.42	24	21
10159	Pt. Triple Tight Paint Can	107190232	012181-101599	0.42	12	15
10157	Qt. Triple Tight Paint Can	107190222	012181-101575	0.78	12	29
10155	Gal. Triple Tight Paint Can	107190212	012181-101551	1.21	4	37

### CATEGORY 1

### Professional Industrial-Grade PVC Specialty Cement

#### 750<sup>™</sup> HOTWELD PVC Blue, Medium-Bodied, Extremely Fast-Setting **NEW**



- Medium-bodied, fast-setting, PVC solvent cement for use on rigid PVC with interference fit Sch. 40 through 6" and Sch. 80 through 4"
- Premium, hot blue formulation, excellent for use in challenging conditions including wet, damp or cold applications with superior long-term performance

- One-step cement that can be used without primer on Sch. 40 pipe and fittings if local code permits
- Low-VOC formulation that complies with LEED requirements



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
13754	¼ Pt. Can with Applicator Cap	13754	012181-137543	0.29	24	8
13753	½ Pt. Can with Applicator Cap	13753	012181-137536	0.41	24	15
13752	Pt. Can with Applicator Cap	13752	012181-137529	0.42	12	14
13751	Qt. Can with Applicator Cap	13751	012181-137512	0.78	12	28
13750	Gal. Can with Screw-on Cap	13750	012181-137505	1.21	6	53

#### 725<sup>™</sup> PVC Wet 'R Dry<sup>™</sup> Aqua Blue, Medium-Bodied, Extremely Fast-Setting



- Medium-bodied, extremely fast-setting, low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter
- Premium formula for wet conditions and/or quick pressurization

- Suitable for irrigation, plumbing, and pool & spa applications
- Can be used without primer on non-pressure systems if local codes permit



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10850	¼ Pt. Can with Applicator Cap	107250951	012181-108505	0.29	24	8
10167	½ Pt. Can with Applicator Cap	107250941	012181-101674	0.41	24	15
10166	Pt. Can with Applicator Cap	107250931	012181-101667	0.42	12	14
10165	Qt. Can with Applicator Cap	107250921	012181-101650	0.78	12	27
10164	Gal. Can with Screw-on Cap	107250911	012181-101643	1.21	6	53

#### 738<sup>™</sup> PVC HOT 'N FAST<sup>™</sup> Blue, Medium-Bodied, Very Fast-Setting



- Low-VOC PVC cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Schedule 80 through 4" (110 mm) diameter
- High-strength and very fast-setting speed make this cement ideal for irrigation, agriculture, pool and plumbing applications

- Blue fades to clear in sunlight
- For wet or quick pressurization conditions
- Can be used without primer on non-pressure systems if local codes permit



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12248	½ Pt. Can with Applicator Cap	127370941	012181-122488	0.37	24	15
12247	Pt. Can with Applicator Cap	127370931	012181-122471	0.36	12	14
12246	Qt. Can with Applicator Cap	127370921	012181-122464	0.67	12	28
12245	Gal. Can with Screw-on Cap	127370911	012181-122457	1.07	6	53



### 713™ CPVC Orange, Regular-Bodied, Fast-Setting

- Regular-bodied, fast-setting, low-VOC CPVC cement for copper tube size and Schedule 40 pipe and fittings with interference fit through 2" (63 mm) diameter
- Specially formulated for plumbing applications
- For potable water to 180°F (82°C)



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10129	¼ Pt. Can with Applicator Cap	107130651	012181-101292	0.29	24	8
10128	½ Pt. Can with Applicator Cap	107130641	012181-101285	0.41	24	15
10127	Pt. Can with Applicator Cap	107130631	012181-101278	0.42	12	14
10126	Qt. Can with Applicator Cap	107130621	012181-101261	0.78	12	27

### FlowGuard Gold® CPVC Yellow, Medium-Bodied, Fast-Setting

- Medium-bodied, fast-setting, low-VOC CPVC cement for copper tube size pipe and fittings with interference fit through 2" (63 mm) diameter
- For potable water to 180°F (82°C). Suitable for residential plumbing and industrial systems
- ONE-STEP CEMENT – formulated to be used without primer if codes permit
- Approved by Lubrizol Advanced Materials, Inc. for FlowGuard Gold® Systems



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
11029	¼ Pt. Can with Applicator Cap	127130851	012181-110294	0.242	24	8
11028	½ Pt. Can with Applicator Cap	127130841	012181-110287	0.446	24	16
11027	Pt. Can with Applicator Cap	127130831	012181-110270	0.425	12	15
11026	Qt. Can with Applicator Cap	127130821	012181-110263	0.782	12	29
11025	Gal. Can with Screw-on Cap	127130811	012181-110256	1.212	6	56

FlowGuard Gold® is a registered trademark of The Lubrizol Corporation.

### CATEGORY 1

### Professional Industrial-Grade CPVC Cement

#### 714™ CPVC Orange, Heavy-Bodied, Medium-Setting



- Heavy-bodied, medium-setting, low-VOC CPVC cement for all classes and schedules with interference fit through 12" (315 mm) diameter

- Industrial quality for non-chemical applications up to 180°F (82°C)
- Approved for use on Corzan® CPVC piping systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10137	½ Pt. Can with Applicator Cap	107140641	012181-101377	0.41	24	15
10135	Pt. Can with Applicator Cap	107140631	012181-101353	0.42	12	14
10132	Qt. Can with Applicator Cap	107140621	012181-101322	0.78	12	29
10130	Gal. Can with Screw-on Cap	107140611	012181-101308	1.21	6	55

#### 714™ CPVC Gray, Heavy-Bodied, Medium-Setting



- Heavy-bodied, medium-setting, low-VOC CPVC cement for all classes and schedules with interference fit through 12" (315 mm) diameter

- Industrial quality for non-chemical applications up to 180°F (82°C)
- Approved for use on Corzan® CPVC piping systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10134	Pt. Can with Applicator Cap	107140131	012181-101346	0.42	12	14
10131	Qt. Can with Applicator Cap	107140121	012181-101315	0.78	12	29

#### 724™ CPVC Orange, Heavy-Bodied, Medium-Setting



- Heavy-bodied, medium-setting, low-VOC CPVC cement for all classes and schedules with interference fit through 12" (315 mm) diameter
- Premium, high-strength, chemical-resistant solvent cement for use with CPVC piping systems carrying acids, bases, salts and hypochlorites

- Ideal for use in waste water plants
- May be used on PVC industrial piping systems for chemical applications
- Approved for Corzan® CPVC piping systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12818	Qt. Can with Applicator Cap	107240621	012181-128183	0.78	12	29
12817	Gal. Can with Screw-on Wide-mouth Cap	107240611	012181-128174	1.21	6	56

#### 724™ CPVC Gray, Heavy-Bodied, Medium-Setting



- Heavy-bodied, medium-setting, low-VOC CPVC cement for all classes and schedules with interference fit through 12" (315 mm) diameter
- Premium, high-strength, chemical-resistant solvent cement for use with CPVC piping systems carrying acids, bases, salts and hypochlorites

- Ideal for use in waste water plants
- May be used on PVC industrial piping systems for chemical applications
- Approved for Corzan® CPVC piping systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
11890	Pt. Can with Applicator Cap	107240131	012181-118900	0.42	12	15
11659	Qt. Can with Applicator Cap	107240121	012181-116593	0.78	12	29
12233	Gal. Can with Screw-on Wide-mouth Cap	107240111	012181-122334	1.21	6	56

#### 729™ CPVC Gray, Extra Heavy-Bodied, Slow-Setting



- Extra heavy-bodied, slow-setting, low-VOC CPVC cement for all classes and schedules of industrial piping with interference fit through 24" (600 mm) diameter
- May be used for chemical applications

- Industrial quality cement for applications requiring high gap filling properties
- Ideal for fabrication of large fittings

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10845	Qt. Triple Tight Paint Can	107290122	012181-108451	0.78	12	29
10844	Gal. Triple Tight Paint Can	107290112	012181-108444	1.21	4	37

### 773™ ABS Black, Medium-Bodied, Fast-Setting

• Medium-bodied, fast-setting, low-VOC ABS cement for all classes and schedules with interference fit through 8" (200 mm) diameter

• Specially formulated for plumbing applications (DWV, sewer & drain pipe), conduit and foam core



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10246	¼ Pt. Can with Applicator Cap	107730351	012181-102466	0.29	24	8
10245	½ Pt. Can with Applicator Cap	107730341	012181-102459	0.41	24	14
10244	Pt. Can with Applicator Cap	107730331	012181-102442	0.42	12	13
10243	Qt. Can with Applicator Cap	107730321	012181-102435	0.78	12	26
10241	Gal. Can with Screw-on Cap	107730311	012181-102411	1.21	6	50

### 778™ ABS Low-VOC, Black, Medium-Bodied, Fast-Setting

• Medium-bodied, fast-setting, low-VOC ABS cement for all classes and schedules with interference fit through 8" (200 mm) diameter

• Specially formulated for plumbing application (DWV, sewer, & drain pipe), conduit and foam core



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
13650	½ Pt. Can with Applicator Cap	13650	012181-136508	0.37	24	14
13649	Pt. Can with Applicator Cap	13649	012181-136492	0.36	12	13
13648	Qt. Can with Applicator Cap	13648	012181-136485	0.67	12	26
13647	Gal. Can with Screw-on Cap	13647	012181-136478	1.07	6	50

### 778™ ABS Regular-VOC, Black, Medium-Bodied, Fast-Setting

• Medium-bodied, fast-setting, regular-VOC ABS cement for all classes and schedules with interference fit through 8" (200 mm) diameter

• Specially formulated for plumbing application (DWV, sewer, & drain pipe), conduit and foam core



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
13536	¼ Pt. Can with Applicator Cap	13536	012181-135365	0.22	24	8
13535	½ Pt. Can with Applicator Cap	13535	012181-135358	0.37	24	14
13534	Pt. Can with Applicator Cap	13534	012181-135341	0.36	12	13
13533	Qt. Can with Applicator Cap	13533	012181-135334	0.67	12	26
13537	Gal. Can with Screw-on Cap	13537	012181-135372	1.07	6	50

### 771™ ABS Milky, Medium-Bodied, Fast-Setting

• Medium-bodied, fast-setting, low-VOC ABS cement for all classes and schedules with interference fit through 8" (200 mm) diameter

• Specially formulated for plumbing applications (DWV, sewer & drain pipe), conduit and foam core



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10233	Pt. Can with Applicator Cap	107710531	012181-102336	0.42	12	13
10232	Qt. Can with Applicator Cap	107710521	012181-102329	0.78	12	26
10230	Gal. Can with Screw-on Cap	107710511	012181-102305	1.21	6	49

### 771™ ABS Yellow, Medium-Bodied, Fast-Setting (For Canada)

• Medium-bodied, fast-setting, low-VOC ABS cement for all classes and schedules with interference fit through 8" (200 mm) diameter

• Specially formulated for plumbing applications (DWV, sewer & drain pipe), conduit and foam core



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10969	¼ Pt. Can with Applicator Cap	107710851	012181-109694	0.29	24	7
10968	½ Pt. Can with Applicator Cap	107710841	012181-109687	0.41	24	14
10967	Pt. Can with Applicator Cap	107710831	012181-109670	0.42	12	13
10966	Qt. Can with Applicator Cap	107710821	012181-109663	0.78	12	26
10965	Gal. Can with Screw-on Cap	107710811	012181-109656	1.21	6	49

### CATEGORY 1

### Professional Plumbing-Grade Multi-Purpose Cement

#### 790™ Multi-Purpose Clear, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, low-VOC multi-purpose cement for all classes and schedules with interference fit through 6" (160 mm) diameter, Sch. 80 through 4" (110 mm) diameter

- High-strength cement for PVC and CPVC pipe and fittings
- Can be used on ABS and Styrene low-pressure systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10260	¼ Pt. Can with Applicator Cap	107900051	012181-102602	0.29	24	8
10259	½ Pt. Can with Applicator Cap	107900041	012181-102596	0.41	24	15
10258	Pt. Can with Applicator Cap	107900031	012181-102589	0.42	12	14
10257	Qt. Can with Applicator Cap	107900021	012181-102572	0.78	12	27
11248	Gal. Can with Screw-on Cap	107900011	012181-112489	1.21	6	53

#### 794™ ABS-PVC Transition Green, Medium-Bodied, Fast-Setting



- Medium-bodied, fast-setting, low-VOC transition cement for all classes and schedules with interference fit through 6" (160 mm) diameter (not for Schedule 80)

- Specifically designed for use on ABS to PVC transition joints in non-pressure systems

- Suitable for sewer, DWV, and conduit

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
13369	¼ Pt. Can with Applicator Cap	13369	012181-133699	0.29	24	8
10275	½ Pt. Can with Applicator Cap	107940741	012181-102756	0.41	24	15
10274	Pt. Can with Applicator Cap	107940731	012181-102749	0.42	12	14
10273	Qt. Can with Applicator Cap	107940721	012181-102732	0.78	12	28
10272	Gal. Can with Screw-on Cap	107940711	012181-102725	1.21	6	54

### Plumbing Primer, Purple

• Quality low-VOC primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces

• Specially formulated for plumbing applications



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14028	¼ Pt. Can with Applicator Cap	14028	012181-140284	0.220	24	7
14027	½ Pt. Can with Applicator Cap	14027	012181-140277	0.370	24	14
14026	Pt. Can with Applicator Cap	14026	012181-140260	0.360	12	13
14025	Qt. Can with Applicator Cap	14025	012181-140253	0.670	12	25
14024	Gal. Can with Screw-on Cap	14024	012181-140246	1.070	6	49



### Plumbing Primer, Clear

• Quality low-VOC primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces

• Specially formulated for plumbing applications



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14033	¼ Pt. Can with Applicator Cap	14033	012181-140338	0.220	24	7
14032	½ Pt. Can with Applicator Cap	14032	012181-140321	0.370	24	14
14031	Pt. Can with Applicator Cap	14031	012181-140314	0.360	12	13
14030	Qt. Can with Applicator Cap	14030	012181-140307	0.670	12	25
14029	Gal. Can with Screw-on Cap	14029	012181-140291	1.070	6	49



### CATEGORY 1

### Professional Industrial-Grade PVC/CPVC Primer

#### P-70™ Purple Primer



- Premium, industrial-strength, low-VOC primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces

- Specially recommended for use on Schedule 80 (PN 10 and higher) and large size pipe
- Excellent for cold weather applications

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10229	¼ Pt. Can with Applicator Cap	107700451	012181-102299	0.29	24	7
10227	½ Pt. Can with Applicator Cap	107700441	012181-102275	0.41	24	14
10225	Pt. Can with Applicator Cap	107700431	012181-102251	0.42	12	13
10223	Qt. Can with Applicator Cap	107700421	012181-102237	0.78	12	26
10221	Gal. Can with Screw-on Cap	107700411	012181-102213	1.21	6	49

#### P-70™ Clear Primer



- Premium, industrial-strength, low-VOC primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces

- Specially recommended for use on Schedule 80 (PN 10 and higher) and large size pipe
- Excellent for cold weather applications

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10228	¼ Pt. Can with Applicator Cap	107700051	012181-102282	0.29	24	7
10226	½ Pt. Can with Applicator Cap	107700041	012181-102268	0.41	24	14
10224	Pt. Can with Applicator Cap	107700031	012181-102244	0.42	12	13
10222	Qt. Can with Applicator Cap	107700021	012181-102220	0.78	12	26
10220	Gal. Can with Screw-on Cap	107700011	012181-102206	1.21	6	49

#### P-75™ Wet 'R Dry™ Aqua Blue Primer



- Premium, fast-acting, industrial-strength, low-VOC primer essential for proper softening and preparation of PVC pipe and fitting surfaces

- For use with 725™ Wet 'R Dry™ Cements
- Specially formulated for wet and/or quick set applications

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10250	½ Pt. Can with Applicator Cap	107750941	012181-102503	0.41	24	14
10249	Pt. Can with Applicator Cap	107750931	012181-102497	0.42	12	13
10248	Qt. Can with Applicator Cap	107750921	012181-102480	0.78	12	25
10247	Gal. Can with Screw-on Cap	107750911	012181-102473	1.21	6	48

### C-65™ Clear Cleaner

• Low-VOC cleaner for removal of oil and grease from the surfaces of PVC, CPVC, ABS and STYRENE pipe and fittings

• Recommended for use before priming of pipe and fittings

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10204	¼ Pt. Can with Applicator Cap	107650051	012181-102046	0.29	24	7
10203	½ Pt. Can with Applicator Cap	107650041	012181-102039	0.41	24	13
10202	Pt. Can with Applicator Cap	107650031	012181-102022	0.42	12	12
10201	Qt. Can with Applicator Cap	107650021	012181-102015	0.78	12	24
10200	Gal. Can with Screw-on Cap	107650011	012181-102008	1.21	6	46



### PC-64™ Purple Primer-Cleaner

• Low-VOC cleaner for cleaning and surface preparation of PVC and CPVC pipe and fittings before bonding with solvent cements

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10875	¼ Pt. Can with Applicator Cap	107640451	012181-108758	0.29	24	7
10874	½ Pt. Can with Applicator Cap	107640441	012181-108741	0.41	24	13
10873	Pt. Can with Applicator Cap	107640431	012181-108734	0.42	12	12
10872	Qt. Can with Applicator Cap	107640421	012181-108727	0.78	12	25
10871	Gal. Can with Screw-on Cap	107640411	012181-108710	1.21	6	47



### PC-64™ Clear Primer-Cleaner

• Low-VOC cleaner for cleaning and surface preparation of PVC and CPVC pipe and fittings before bonding with solvent cements

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12656	Qt. Can with Applicator Cap	107640021	012181-126561	0.78	12	25



### CATEGORY 1

### Special Purpose Products

#### 600™ Clear, Regular-Bodied Contact Adhesive



- Contact adhesive for Polyethylene, Polypropylene, PVC, ABS and Styrene non-pressure drainage systems through 4" diameter; HVAC duct applications through 6" diameter interference fit

- Clear, regular-bodied and fast-setting

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10077	Pt. Can with Applicator Cap	106000031	012181-100776	0.42	12	13
10076	Qt. Can with Applicator Cap	106000021	012181-100769	0.78	12	26

#### 810™ White Repair and Fabrication Adhesive



- Two-component, high-strength, low-VOC reactive adhesive for PVC, CPVC, and other dissimilar materials (acrylic, non-anodized aluminum, clay, Styrene, fiberglass reinforced polyester, concrete and other metals)
- Product can withstand very high pressure and is high impact-resistant

- Great for repairing cracks or leaky pipe valves and fittings
- Excellent gap-filling property which is ideal for fabricating fittings and joining saddles to pipe
- Good for bonding large diameter PVC and CPVC pipe and fittings

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10813	4 Oz. Plastic Jar with Screw-on Cap	10810K151	012181-108130	0.29	6	3
10812	Pt. Plastic Jar with Screw-on Cap	10810K131	012181-108123	0.42	4	6
10811	Qt. Plastic Jar with Screw-on Cap	10810K121	012181-108116	0.78	4	11
10810	Gal. Plastic Jar with Screw-on Cap	10810K111	012181-108109	1.21	4	41



### Can Applicator Brushes and Daubers

- Available in fixed and adjustable handle styles
- Options for ¼ pint, ½ pint, pint and quart cans
- Designed to fit standard pint and quart can types

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12121	PB-1 Brush in Plastic Cap w/Handle for Pt. & Qt. Cans	006010000	012181-121214	1.014	25	3
10963	CM-BCP Can-Mate™ Adjustable Plastic Brush	001930000	012181-109632	1.014	25	2
12307	CM-50 Can-Mate™ Adjustable ½" Dauber	001730000	012181-123072	0.335	50	2
10832	CM-75 Can-Mate™ Adjustable ¾" Dauber	001720000	012181-108321	0.335	50	2
10833	CM-150 Can-Mate™ Adjustable 1 ¼" Dauber	001710000	012181-108338	0.335	50	2
10004	DP-75 Cap Dauber for ¾" up to 1 ½" Pipe Diameter	006150000	012181-100042	0.330	50	2
10005	DP-150 Cap Dauber 1 ½" for up to 3" Pipe Diameter	006160000	012181-100059	0.010	50	2
12429	DQ-75 Cap Dauber ¾" for up to 1 ½" Pipe Diameter	006580000	012181-124291	0.335	50	2
10006	DQ-150 Cap Dauber 1 ½" for up to 3" Pipe Diameter	006170000	012181-100066	0.010	50	3
13199	DH-38, ⅜" Cap Dauber for FlowGuard Gold® ¼ & ½ Pint Cans	006200000	012181-131992	0.335	50	2
10003	Pint Sized Cap Dauber ¾" for FlowGuard Gold®	006190000	012181-100035	0.315	50	2
11831	DQ-50, ½" Cap Dauber for FlowGuard Gold® Qt. Can	006180000	012181-118313	0.010	50	2



### Can Applicator Rollers and Swabs

- Available in a range of applicator options
- Products designed to handle 3"-8" pipe diameters
- Applicator options to fit standard and empty cans
- Suitable for empty and wide-mouth cans

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10007	3020 Roll-A-Weld 3" Roller for MT-653 Qt. Can	006300000	012181-100073	0.010	24	6
11957	6020 4" Roller for MT-651 Qt. Can	006330000	012181-119570	0.010	24	7
10008	7020 Jumbo Roll-A-Weld 7" Roller for MT-648 Gal. Can	006310000	012181-100080	0.010	20	7
10009	4020 4" Swab for MT-648 Gal. Can	006320000	012181-100097	0.010	24	5
12071	5020 4" Swab for MT-651 Qt. Can	006340000	012181-120712	0.010	24	4
13360	8020 4" Cotton Swab, Wire Handle for 6" Diameter or Larger Pipe	13360	012181-133606	0.010	24	6



### SuperSwab™ Applicator NEW

- Shed-resistant swab material-best for smooth full application of cements or primers
- Product designed to handle 4"-8" pipe diameters
- Extra-long handle for convenient grip
- Adjustable length and dual cap design that fits quart and gallon containers
- Disposable swab, reusable handle

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
14108	SuperSwab (swab and handle included)	14108	012181-141083	0.9308	12	3.5
14111	SuperSwab - bulk pack (swabs and handles included)	14111	012181-141113	0.9308	24	4
14109	Replacement swabs (4 swabs per bag)	14109	012181-141090	0.1984	3 bags	3.5
14112	Replacement swabs - bulk pack	14112	012181-141120	0.9308	24	4



### Empty Solvent Welding Containers

- Applicator not included

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10010	MT-648 Gal. Can with 2 ⅜" Neck	006480000	012181-100103	0.010	6	5
10012	MT-651 Qt. Can with 1 ¾" Neck	006510000	012181-100127	0.010	12	3
10014	MT-653 Qt. Can with Triple Tight Paint Can	006530000	012181-100141	0.010	12	3
10015	MT-654 Pt. Can with 1 ¾" Neck	006540000	012181-100158	0.010	12	2



FlowGuard Gold® is a registered trademark of The Lubrizol Corporation.

**CATEGORY \***

**Cement and Primer Carriers**



CanTote™ Carrier

• For carrying quart and pint cans

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12891	CanTote™ for carrying quart & pint cement cans	001870000	012181-128916	1.790	24	14
10864	Can-Mate® Carrier/2 Dauber Kit for ½ pt., pt. & qt. cans	001840000	012181-108642	0.010	24	3



Can-Mate® Carrier

**Plastic Pipe Prep Tools**



• Plastic pipe cable saw features T-handles

• Deburring tool for PVC, CPVC, ABS, PE & PB pipe

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12739	36" Plastic Pipe Cable Saw for up to 8" Diameter T-Style Handle	CST-36	012181-127391	0.010	24	2
12079	DEB-2 Plastic Pipe Deburring Tool for Sizes ½" – 2" IPS	006350000	012181-120798	0.010	6	2

**Gluebuster Professional Hand Cleaner**



• Advanced hand cleaner in liquid format for removing residual solvent cements (PVC, CPVC, ABS), primers and sealants, dirt, oil, grease and much more

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12752	Pt. Advanced liquid hand cleaner	006220000	012181-127520	0.010	12	13

**Professional Hand Cleaner Wipes**



• Advanced hand cleaner in disposable wipe format for removing residual solvent cements (PVC, CPVC, ABS), primers and sealants, dirt, oil, grease and much more

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
12762	10" x 12" Advanced strong hand cleaner wipes (72 wipes per container)	0002110000	012181-127629	0.010	6	14

## ALL SEAL™ Beige Plastic and Metal Pipe Thread Sealant

- Multi-purpose sealant
- Slow drying, soft-setting, formula allows ample time to work with pipe joints. Also easy for disassembly
- Creamy, non-separating consistency provides excellent thread coverage
- Very low-VOC content: 152 g/L
- Product is grit-free to provide leak-proof seal on pipe threads
- For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene & Nylon) piping systems carrying various materials<sup>1</sup>
- 2-year shelf life



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87660	¼ Pt. Can with Brush in Cap Applicator	R5123	012181-876602	0.3737	24	6
87665	½ Pt. Can with Brush in Cap Applicator	R5124	012181-876657	0.3861	24	20
87670	Pt. Can with Brush in Cap Applicator	R5125	012181-876701	0.2495	12	22

## BLUE SEAL™ Blue Plastic and Metal Pipe Thread Sealant

- Industrial grade sealant
- Excellent for industrial applications and pipe lines in high vibration environments
- Contains finely homogenized PTFE particles for filling cracks and thread imperfections – ensuring leak-proof seal
- Heavy duty, grit-free formula
- For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene & Nylon) piping systems carrying various materials<sup>1</sup>
- Zero VOC content
- 3-year shelf life



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87685	½ Pt. Can with Brush in Cap Applicator	R5134	012181-876855	0.3861	24	20
87690	Pt. Can with Brush in Cap Applicator	R5135	012181-876909	0.3737	12	22
87695	Qt. Can with Brush in Cap Applicator	R5136	012181-876954	0.8587	12	38

## WHITE SEAL PLUS™ White Plastic and Metal Pipe Thread Sealant

- Multi-purpose sealant with PTFE
- Contains finely homogenized PTFE particles for filling cracks and thread imperfections – ensuring a leak-proof seal
- Non-setting formula allows easy disassembly of joints without damage to pipe, fittings or threads
- Protects threaded areas from rust and corrosion and prevents galling
- For sealing and lubricating all metal and plastic (ABS, PVC, CPVC, Polypropylene & Nylon) piping systems carrying various materials.<sup>1</sup> Compatible with FlowGuard Gold®, BlazeMaster® and Corzan®
- Zero VOC content
- 3-year shelf life



Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80200	1.7 Oz. Tube	R5002	012181-802007	0.344	72	12
87725	¼ Pt. Can with Brush in Cap Applicator	R5163	012181-877258	0.2495	24	6
87730	½ Pt. Can with Brush in Cap Applicator	R5164	012181-877302	0.3861	24	20
87735	Pt. Can with Brush in Cap Applicator	R5165	012181-877357	0.3737	12	22
87740	Qt. Can with Brush in Cap Applicator	R5166	012181-877401	0.8587	12	38

FlowGuard Gold®, BlazeMaster®, and Corzan® are registered trademarks of The Lubrizol Corporation.

<sup>1</sup> ALL SEAL™, BLUE SEAL™ and WHITE SEAL PLUS™ can be used on **metal and plastic** piping systems carrying air and gases (compressed, manufactured or natural), ammonia, brine, acid (diluted), caustic alkalis (diluted), corrosives, freons, fuel (diesel, gasoline, jet fuel, and kerosene), oils, petroleum, propane, solvents, steam, sugar and water. Not recommended for oxygen, fluorine or liquid sodium systems.

### CATEGORY 2

#### 505™ Key-Tite® Green Metal Pipe Thread Sealant



- Special formulation seals and lubricates metal pipe joints as well as protects them from rusting and seizing
- Applicable for all types of metal joints (threaded, flanged or gasketed)
- For sealing and lubricating all metal piping systems carrying various materials<sup>1</sup>

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10069	¼ Pt. Can with Brush in Cap Applicator	105050051	012181-100691	0.242	24	6
10068	½ Pt. Can with Brush in Cap Applicator	105050041	012181-100684	0.446	24	20
10064	Pt. Can with Brush in Cap Applicator	105050031	012181-100646	0.425	12	22
10063	Qt. Triple Tight Paint Can	105050022	012181-100639	0.782	12	38
10062	Gal. Triple Tight Paint Can	105050012	012181-100622	1.212	4	53

#### Thread Seal Tape with PTFE



- Contains PTFE
- Complies with MIL-T-27730A Specifications
- Available in various colors, widths and lengths

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80315	White ½" x 260"	R5153	012181-803158	0.212	100	11
80310	White ½" x 520"	R5155	012181-803103	0.212	100	11
87750	White ¾" x 260"	R5160	012181-877500	0.212	100	11
87755	White ¾" x 520"	R5161	012181-877555	0.212	100	11
87720	White 1" x 520"	R5162	012181-877203	0.212	25	6
80320	Yellow Gas Line ½" x 260"	R5156	012181-803202	0.389	144	3
80325	Pink Extra Duty ½" x 260"	R5157	012181-803257	0.389	144	3

#### Pipe Stick Joint Compound



- Thread sealant for metal and plastic pipe
- Lead-free and non-toxic
- Prevents rust and corrosion allowing easier disassembly

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81255	1.3 Oz. Pipe Stick Joint Compound	R5071	012181-812556	0.134	12/box 144/case	20

#### Epoxy Putty Stick



- Quick-hardening sealant/adhesive
- Plugs, seals, patches or repairs most materials except polyethylene or polypropylene
- Excellent for underwater repairs
- Non-toxic, safe for potable water line
- Hardens in 20 minutes and cures in 1 hour
- Lead-free and non-toxic

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
84055	4 Oz. Epoxy Putty Stick	REP1	012181-840559	0.164	24	8

<sup>1</sup> Key-Tite® can be used on metal piping systems carrying: acids (diluted), air (compresses or gaseous), alcohols, alkalis (diluted), brine, caustics (diluted), gases (manufactured or natural), low-pressure steam lines, sugar (liquid), and hot or cold water.

### SOFT SEAL™ Plumbers Putty

- For setting and sealing plumbing fixtures and drains
- Will not harden, crack or crumble
- Complies with Federal Specification TT-P-1536A
- Lead-free, non-corrosive and stainless
- 100% waterproof

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80100	14 Oz. Poly Tub	R5101	012181-801000	0.444	24	26
80103	3 Lb. Poly Tub	R5103	012181-801031	0.332	6	26
80105	5 Lb. Poly Tub	R5105	012181-801055	0.594	6	32



### 182™ Roof Flashing Cement

- For repairing and sealing leaks around flashings, sky lights, vents, gutter and other protrusions
- Wet or dry weather plastic cement

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
10051	Qt. Triple Tight Paint Can	101820021	012181-100516	0.782	12	30
10050	Gal. Triple Tight Paint Can	101820011	012181-100509	1.212	4	40



### EZ Flush™ Pipe Lubricant

- Applicable for joining all metal and plastic gasketed pipes
- Lubricates slip-on or "O" ring type joints without harming rubber or plastic gaskets
- Easily flushes out of piping system
- Non-toxic and non corrosive
- No taste or odor transferred to fluids in piping system

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87717	Pt. Poly Tub	87717	012181-877173	0.927	24	28
87718	Qt. Poly Tub	87718	012181-877180	0.859	12	28
87719	Gal. Poly Tub	87719	012181-877197	1.296	4	34
87721	5 Gal Poly Tub	87721	012181-877210	1.856	1	40



### Seal Lube Gasket Lubricant

- Primes and lubricates slip-on or "O" ring type joints with rubber or synthetic rubber gaskets
- Non-toxic and non-corrosive
- No taste or odor
- 100% water soluble

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87705	Pt. Poly Tub	R5175	012181-877050	0.360	12	30
87710	Qt. Poly Tub	R5176	012181-877104	0.670	12	28
87715	Gal. Poly Tub	R5177	012181-877159	1.050	4	35



CATEGORY 2

**SLIK SEAL™ Plumbers Grease**



- For lubricating valve stems, faucets, ball cocks, ensuring smooth operation
- Does not include silicone
- 100% waterproof
- Combination of lithium soap, solvent refined basestock and additives
- Excellent for hot water steam or potable water systems

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80427	1 Oz. Tin	R301	012181-804278	0.071	24	2

**Professional Drain Cleaner (93% Sulfuric Acid) NEW**



- Highly inhibited sulfuric acid - bonds to all organic matter and quickly liquefies contaminants on contact
- Quickly dissolves grease, soap scum, hair, wood, sanitary napkins, paper and other materials that cause common clogs
- Safe for use in PVC, cast iron, copper, steel and galvanized piping systems and septic tanks
- Can cause severe burns. Harmful or fatal if swallowed. Contains inhibited sulphuric acid
- Unlike other products delivered in disposable plastic bags, the Water-Tite product's patent-pending, resealable bag is permanently integrated with bottles
- Integrated acid-resistant bag can help prevent damage or injury from spills or leaks after bottles have been opened
- Available in heavy grade pitch bottles in quart, half gallon and gallon sizes
- Formulated for use by plumbing professionals only. Not for use by or sale to consumers. Can cause harm/death

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80430	Drain Cleaner, 93% SA, Quart	80430	012181-804308	1.129	12	50
80431	Drain Cleaner, 93% SA, Half-Gallon	80431	012181-804315	0.923	6	52
80432	Drain Cleaner, 93% SA, Gallon	80432	012181-804322	1.180	4	65

*Water-Tite Professional Drain Cleaner is for Professional Use ONLY. NOT for sale to or use by consumers.*

**Light Cutting Oil**



- For light-duty manual or low-RPM machine threading of ferrous and non-ferrous metals as well as for drilling, reaming and rolling machines using ferrous and non-ferrous metals

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80424	Qt. Poly Bottle	R1523	012181-804247	0.986	12	23
80425	Gal. Poly Bottle	R1525	012181-804254	1.467	6	45

**Dark Cutting Oil**



- For medium- to heavy-duty cutting, threading, drilling, reaming and rolling machines using ferrous and non-ferrous metals
- High-grade oil blend

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
80415	Pt. Poly Bottle	R1621	012181-804155	0.460	12	14
80420	Qt. Poly Bottle	R1623	012181-804209	0.986	12	23
80421	Gal. Poly Bottle	R1625	012181-804216	1.467	6	45
80422	5 Gal. Pail	R1630	012181-804223	1.250	1	48

### Soldering Flux

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81331	4 Oz. Paste Flux	R5358	012181-813317	0.244	24	7
81332	8 Oz. Paste Flux	R5359	012181-813324	0.480	24	8
81340	1 Lb. Paste Flux	R14930	012181-813409	0.432	12	18



### Brushes and Sand Cloth

Product Code	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81352	Acid Brushes	R5401	012181-813522	0.050	144	5
81610	½" Premium Duty Fitting Brush	R5553	012181-816103	0.040	12	2
81620	¾" Premium Duty Fitting Brush	R5555	012181-816202	0.050	12	2
81625	1" Premium Duty Fitting Brush	R5557	012181-816257	0.053	12	2
81630	1 ¼" Premium Duty Fitting Brush	R5559	012181-816301	0.110	12	2
81635	1 ½" Premium Duty Fitting Brush	R5561	012181-816356	0.110	12	2
81640	2" Premium Duty Fitting Brush	R5563	012181-816400	0.110	12	2
87795	½" Heavy Duty Wire Handle Fitting Brush	R5581	012181-877951	0.110	12	2
87800	¾" Heavy Duty Wire Handle Fitting Brush	R5583	012181-878002	0.110	12	2
87805	1" Heavy Duty Wire Handle Fitting Brush	R5585	012181-878057	0.110	12	2
81651	Combination 4-n-1 Copper Tube & Fitting Brush	R5566	012181-816516	0.159	10	4
81560	½" Copper Tube Cleaning Brush	R5570	012181-815601	0.131	36	3
81565	¾" Copper Tube Cleaning Brush	R5575	012181-815656	0.201	36	3
81400	2 Yds. x 1 ½" Sand Cloth	R5451	012181-814000	0.163	24	6
81405	10 Yds. x 1 ½" Sand Cloth	R5455	012181-814055	0.377	24	13
81410	25 Yds. x 1 ½" Sand Cloth	R5460	012181-814109	1.168	24	25
81500	5 Yds. x 1 ½" Open Mesh Cloth	R5501	012181-815007	0.549	24	6
81505	10 Yds. x 1 ½" Open Mesh Cloth	R5503	012181-815052	0.549	24	13
80890	Flame Stopper 9" x 12" Torch Protector	RFS1	012181-808900	1.446	25	11







## The first-ever washing machine outlet box manufacturer

Starting with the original washing machine outlet box in 1958, the Guy Gray™ line has always featured innovative metal-box solutions to keep pace with an ever-evolving industry.

## Now the first choice for all metal outlet boxes

What began as a handful of galvanized metal boxes is now an extensive, widely trusted product line – the industry's No. 1 choice in metal outlet boxes. Guy Gray™ also offers a wide range of domestic valves and fire-rated boxes.



### CATEGORY 4

#### Center Drain Galvanized Washing Machine Outlet Boxes



- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Rough opening: 10" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 11 5/8" W x 9 1/2" H
- Domestic valves
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82026	1/2" MIP/Sweat Conx. Valve, 1 1/2" Threaded Drain Fitting	B150	012181-820261	1.940	6	39
82032	1/2" MIP/Sweat Conx. Valve, 2" Threaded Drain Fitting	B200	012181-820322	1.940	6	39
82036	Top-mount 1/2" MIP/Sweat Conx. Valves, 2" Threaded Drain Fitting	BB200TS	012181-820360	1.940	6	41
81974	1/2" PEX Conx., 2" Threaded Drain	B200X	012181-819746	1.940	6	39
81975	1/2" CPVC Conx., 2" Threaded Drain	B200C	012181-819753	1.940	6	39

#### Center Drain Galvanized Washing Machine Outlet Boxes with Duplex Receptacle



- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Duplex receptacle: 20 amp, 110 volt
- Rough opening: 12 1/4" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 13 3/4" W x 9 1/2" H
- Domestic valves
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82033	1/2" MIP/Sweat Conx. Valve, 2" Threaded Drain Fitting	BE200	012181-820339	2.280	6	45
82037	Top-mount 1/2" MIP/Sweat Conx. Valves, 2" Threaded Drain Fitting	BBE200TS	012181-820377	2.280	6	46

#### Center Drain Galvanized Washing Machine Outlet Boxes with Duplex and Dryer Receptacles



- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Duplex receptacle: 20 amp, 110 volt
- Dryer receptacle: 30 amp, 220 volt, 3-wire
- Rough opening: 14 1/4" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 15 3/4" W x 9 1/2" H
- Domestic valves
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82028	1/2" MIP/Sweat Conx. Valve, 1 1/2" Threaded Drain Fitting	BED150	012181-820285	2.620	6	51
82034	1/2" MIP/Sweat Conx. Valve, 2" Threaded Drain Fitting	BED200	012181-820346	2.620	6	53
82038	Top-mount 1/2" MIP/Sweat Conx. Valves, 2" Threaded Drain Fitting	BBED200TS	012181-820384	2.620	6	50

#### Center Drain Galvanized Washing Machine Outlet Boxes with Duplex and Dryer Receptacles On Right



- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Duplex receptacle: 20 amp, 110 volt
- Dryer receptacle: 30 amp, 220 volt
- Rough opening: 14" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 15 3/4" W x 9 1/2" H
- Domestic valves
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82142	1/2" MIP/Sweat Conx. Valve, 2" Drain, 3 Wire 220V Receptacle	NWBED200-3	012181-821428	2.620	6	52
82035	1/2" MIP/Sweat Conx. Valve, 2" Drain, 4 Wire 220V Receptacle	NWBED200-4	012181-820353	2.620	6	55

### Right Drain Galvanized Washing Machine Outlet Boxes

- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Rough opening: 10" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 11 5/8" W x 9 1/2" H
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82030	1/2" MIP/Sweat Conx. Domestic Valve, 1 1/2" Threaded Drain Fitting	FB150	012181-820308	1.940	6	38
82039	1/2" MIP/Sweat Conx. Domestic Valve, 2" Threaded Drain Fitting	FB200	012181-820391	1.940	6	38
82031	1/2" MIP/Sweat Conx. Single-Lever Valve, 1 1/2" Threaded Drain Fitting	WB150	012181-820315	1.940	6	45
82043	1/2" MIP/Sweat Conx. Single-Lever Valve, 2" Threaded Drain Fitting	WB200	012181-820438	1.940	6	41



### Right Drain Galvanized Washing Machine Outlet Boxes with Hammer Arrester Valves

- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Rough opening: 10" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 11 5/8" W x 9 1/2" H
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82048	Single-Lever Valve w/Hammer Arresters, 2" Drain	WB200HA	012181-820483	1.940	6	45



### Right Drain Galvanized Washing Machine Outlet Boxes with Duplex Receptacle

- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Duplex receptacle: 20 amp, 110 volt
- Rough opening: 12 1/4" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 13 3/4" W x 9 1/2" H
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82040	1/2" MIP/Sweat Conx. Valve, Domestic	FBE200	012181-820407	2.280	6	43
82044	1/2" MIP/Sweat Conx. Single-Lever Valve	WBE200	012181-820445	2.280	6	52
82047	1/2" MIP/Sweat Arrester Valve, Domestic	WBE200HA	012181-824076	2.28	6	52



### Right Drain Galvanized Washing Machine Outlet Boxes with Duplex and Dryer Receptacle

- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male Threaded drain fitting & locknut included
- Duplex Receptacle: 20 amp, 110 volt
- Dryer Receptacle: 30 amp, 220 volt, 3-wire
- Rough Opening: 14 1/4" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 15 3/4" W x 9 1/2" H
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82041	1/2" MIP/Sweat Conx. Valve, Domestic	FBED200	012181-820414	2.620	6	50
82045	1/2" MIP/Sweat Conx. Single-Lever Valve	WBED200	012181-820452	2.620	6	53



### CATEGORY 4

#### Right Drain Galvanized Washing Machine Outlet Boxes with Duplex and Dryer Receptacle On Right



- 20-gauge box / 20-gauge faceplate
- G90 hot-dipped galvanized steel (Unpainted)
- Male threaded drain fitting & locknut included
- Duplex receptacle: 20 amp, 110 volt
- Dryer receptacle: 30 amp, 3 or 4-wire
- Rough opening: 14" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 15 3/4" W x 9 1/2" H
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82042	1/2" MIP/Sweat Conx. Valves, 4 Wire 220 V Receptacle, Domestic	NWFBED200-4	012181-820421	2.620	6	54
82046	1/2" MIP/Sweat Conx. Single-Lever Valves, 3 Wire 250 V Receptacle	WNWBED200-3	012181-820469	2.620	6	62
82144	1/2" MIP/Sweat Conx. Single-Lever Valves, 4 Wire 250 V Receptacle	WNWBED200-4	012181-821442	2.620	6	62

#### "T" Series Center Drain White Powder-Coated Cold Rolled Steel Washing Machine Outlet Boxes



- 20-gauge box / 20-gauge faceplate
- Knockouts in top, bottom and sides
- Watertight construction with sloped bottom
- White powder coat finish on cold rolled steel
- Rough opening: 12 3/4" W x 8 1/4" H x 3" D
- Faceplate dimension: 14" W x 9 1/4" H
- 2" PVC, ABS or Slipnut Drain Kit included (2" male adapter or pipe nipple not included in Slipnut Kit)
- Available with quarter-turn ball valve, quarter-turn ball valves with hammer arresters or domestic valves
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82133	Domestic MIP Valve, 1/2" Sweat Conx., 1 1/2" Threaded Drain Fitting	T150	012181-821336	2.540	6	38
82139	Domestic MIP Valve, 1/2" Sweat Conx., 2" Threaded Drain Fitting	T200	012181-821398	2.540	6	39
82129	Domestic MIP Valve, 1/2" Sweat Conx., 1 1/2" PVC Drain Fitting	T150TPPVC	012181-821299	2.800	6	38
82135	Domestic MIP Valve, 1/2" Sweat Conx., 2" PVC Drain Fitting	T200TPPVC	012181-821350	2.800	6	39
82136	Domestic MIP Valve, 1/2" Sweat Conx., 2" ABS Drain Fitting	T200TPABS	012181-821367	2.800	6	34
82147	Brass Qtr-turn Valves, 1/2" Sweat Conx., 2" ABS Drain Fitting	T200TPABSQT	012181-821473	2.800	6	34
82311	Brass Qtr-turn Valves, 1/2" Sweat Conx., 2" Slipnut Drain Kit	T200QT	012181-823118	2.540	6	39
82145	Brass Qtr-turn Valves, 1/2" CPVC Conx., 2" PVC Drain Fitting	T200TPPVCCPVC	012181-821459	2.800	6	34
82158	Brass Qtr-turn Arrester Valves, 1/2" Sweat Conx., 2" PVC Drain Fitting	T200TPPVCHA	012181-821589	2.800	6	39
82159	Brass Qtr-turn Arrester Valves, 1/2" CPVC Conx., 2" PVC Drain Fitting	T200TPCPVCHA	012181-821596	2.540	6	39
82131	Box w/o Valves, 1 1/2" PVC Drain Fitting	T150TPPVCLV	012181-821312	2.800	6	24
82134	Box w/o Valves, 1 1/2" Threaded Drain Fitting	T150LV	012181-821343	2.540	6	24
82137	Box w/o Valves, 2" PVC Drain Fitting	T200TPPLV	012181-821374	2.800	6	28
82138	Box w/o Valves, 2" ABS Drain Fitting	T200TPABSLV	012181-821382	2.800	6	28
82140	Box w/o Valves, 2" Threaded Drain Fitting	T200LV	012181-821404	2.540	6	29

### “TT” Series Dual Outlet White Powder-Coated Cold Rolled Steel Washing Machine Outlet Boxes

- 20-gauge box / 20-gauge faceplate
- White powder coat finish on cold rolled steel
- Lip guard on bottom to prevent overflow
- Extra deep faceplate accommodates up to 2 pieces of 5/8" drywall
- Rough opening: 8 1/4" W x 5 5/8" H x 3 1/2" D
- Faceplate dimension: 10 7/8" W x 8 3/8" H
- Available with quarter-turn ball valves or domestic valves
- Reversible right or left and center drain option
- 2" PVC, ABS or Slipnut Drain Kit included (2" male adapter or pipe nipple not included in Slipnut Kit)
- Unassembled



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82340	Dual outlet w/2" Domestic Sweat Valve, 2" Slipnut Drain Kit	TT200	012181-823408	2.540	6	38
82341	Dual outlet w/2" Qtr-turn Sweat Valve, 2" Slipnut Drain Kit	TT200QTS	012181-823415	2.540	6	39
82342	Dual outlet w/2" Domestic Sweat Valve, 2" PVC Drain Fitting	TT200TPPVC	012181-823422	2.540	6	39
82343	Dual outlet w/2" Qtr-turn Sweat Valve, 2" PVC Drain Fitting	TT200TPPVCS	012181-823439	2.540	6	39
82344	Dual outlet w/2" Qtr-turn CPVC Valve, 2" PVC Drain Fitting	TT200TPPVCC	012181-823446	2.540	6	34
82345	Dual outlet w/2" Qtr-turn PEX Valve, 2" PVC Drain Fitting	TT200TPPVCP	012181-823453	2.540	6	34
82346	Dual outlet w/2" Domestic Sweat Valve, 2" ABS Drain Fitting	TT200TPABS	012181-823460	2.540	6	38
82347	Dual outlet w/2" Qtr-turn Sweat Valve, 2" ABS Drain Fitting	TT200TPABSS	012181-823477	2.540	6	39
82348	Dual outlet w/2" Qtr-turn CPVC Valve, 2" ABS Drain Fitting	TT200TPABSC	012181-823484	2.540	6	34
82349	Dual outlet w/2" Qtr-turn PEX Valve, 2" ABS Drain Fitting	TT200TPABSP	012181-823491	2.540	6	34

### CATEGORY 4

#### Reversible Drain White Powder-coated Econo Metal Washing Machine Outlet Box



- 20-gauge box / 20-gauge faceplate
- White powder coat finish on cold rolled steel
- Lip guard on bottom to prevent overflow
- Extra-deep faceplate accommodates up to 2 pieces of 5/8" drywall
- Rough opening: 8 1/4" W x 5 5/8" H x 3 1/2" D
- Faceplate dimension: 10 7/8" W x 8 3/8" H
- Available with Quarter-turn ball valves or domestic valves
- Reversible right or left and center drain option
- Unassembled
- 2" PVC, ABS or Slipnut Drain Kit included (2" male adapter or pipe nipple not included in Slipnut Kit)

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82112	Reversible Qtr-turn Valves – 1/2" Sweat Conx.	MWB-3	012181-821121	1.050	5	22
82114	Reversible Qtr-turn Valves – 1/2" CPVC Conx.	MWB-5	012181-821145	1.050	5	21
82116	Reversible Single-lever Valve – 1/2" Sweat Conx.	MWB-7	012181-821169	1.050	5	26
82148	Reversible Qtr-turn Hammer Arrester Valves – 1/2" Sweat Conx.	MWB-16	012181-821488	1.050	5	25
82152	Reversible Qtr-turn Valves – 1/2" Sweat Conx./PVC Drain Conx.	MWB-17	012181-821527	1.050	5	22
82153	Reversible Qtr-turn Valves – 1/2" Sweat Conx./ABS Drain Conx.	MWB-18	012181-821534	1.050	5	22
82157	Reversible Single-lever Valve w/Hammer Arrester	MWB-20	012181-821572	1.050	5	29
82165	1/2" Qtr-turn PEX Valve – 2" ABS Drain Conx.	MWB25	012181-821657	1.050	5	22
82184	1/2" Qtr-turn Wirsbo® Valves – 2" Slipnut Drain Kit	MWB23	012181-821848	1.050	5	22
82314	Box w/o valves	MWBRLV	012181-823149	1.050	5	22
<b>Contractor Packs</b>						
82113	Reversible Qtr-turn Valves – 1/2" Sweat Conx.	MWB-4	012181-821138	1.160	5	23
82115	Reversible Qtr-turn Valves – 1/2" CPVC Conx.	MWB-6	012181-821152	1.160	5	22
82117	Reversible Single-lever Valve – 1/2" Sweat Conx.	MWB-8	012181-821176	1.160	5	27

#### Center Drain White Powder-coated Econo Metal Washing Machine Outlet Box



- 20-gauge box / 20-gauge faceplate
- White powder coat finish on cold rolled steel
- Lip guard on bottom to prevent overflow
- Extra deep faceplate accommodates up to 2 pieces of 5/8" drywall
- Rough opening: 8 1/4" W x 5 5/8" H x 3 1/2" D
- Faceplate dimension: 10 7/8" W x 8 3/8" H
- Available with Quarter-turn ball valves or domestic valves
- Unassembled
- 2" PVC, ABS or Slipnut Drain Kit included (2" male adapter or pipe nipple not included in Slipnut Kit)

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82118	Center Drain Qtr-turn Valves, 1/2" Sweat Conx.	MWB-9	012181-821183	1.050	5	22
82120	Center Drain Qtr-turn Valves, 1/2" CPVC Conx.	MWB-11	012181-821206	1.050	5	20
<b>Contractor Packs</b>						
82119	Center Drain Qtr-turn Valves, 1/2" Sweat Conx.	MWB-10	012181-821190	1.160	5	22
82121	Center Drain Qtr-turn Valves, 1/2" CPVC Conx.	MWB-12	012181-821213	1.160	5	23

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### Center Drain White Powder-Coated Econo Metal Washing Machine Outlet Box

- 20-gauge box / 20-gauge faceplate
- White powder coat on cold rolled steel finish
- Lip guard on bottom to prevent overflow
- Extra deep faceplate accommodates up to 2 pieces of 3/4" drywall
- Rough opening: 8 1/4" W x 5 3/8" H x 3 1/2" D
- Faceplate dimension: 10 3/8" W x 8 3/8" H
- Available with Quarter-turn ball valves or domestic valves
- Assembled
- 2" PVC, ABS or Slipnut Drain Kit included (2" male adapter or pipe nipple not included in Slipnut Kit)



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82122	Center Drain Qtr-turn Valves Installed, 1/2" Sweat Conx.	MWB-13	012181-821220	1.050	5	21
82146	Center Drain Qtr-turn Valves Installed, 1/2" PEX Conx.	MWB-15	012181-821466	1.050	5	23
82154	Qtr-turn Hammer Arrester Valves Installed, 1/2" Sweat Conx.	MWB-19	012181-821541	1.050	5	25
82161	1/2" Qtr-turn Sweat Valve TM Installed, 2" Slipnut Drain Kit	MWB21	012181-821619	1.160	5	22
86162	1/2" Qtr-turn Sweat Valve TM Installed, Arrester, 2" Slipnut Drain Kit	MWB26	012181-861622	1.160	5	22
82162	1/2" Qtr-turn Wirsbo® Top-mount Installed, 2" Slipnut Drain Kit	MWB22	012181-821626	1.160	5	22
86163	1/2" Qtr-turn CPVC Valve TM Installed, Arrester, 2" Slipnut Drain Kit	MWB27	012181-861639	1.160	5	26
86164	1/2" Qtr-turn PEX Valve, Arrester Installed, 2" Slipnut Drain Kit	MWB28	012181-861646	1.160	5	26

### Dual Control Single-lever Washing Machine Outlet Box **NEW**

- Hot and cold valves can be operated individually or together. Inserting pin through lever holes combines controls.
- Faceplate design allows flush installation and covers the entire box for a clean finish
- Solid, one-piece high-impact resin construction with raised drip guard contains and directs hose leaks down the drain
- One-piece box design, no loose parts to assemble
- Snap-on frame
- Oversized knockouts will not fall down drain



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82472	Dual Handle Single-lever Valve Box, Installed, 1/2" Sweat Conx.	DLWB1	012181-824726	0.81	5	13
88242	Dual Handle Single-lever Valve ONLY, 1/2" Sweat Conx.	HS88242	012181-882429	0.81	5	13



### Stainless Steel Washing Machine Outlet Box

- Box and faceplate made of 304 stainless steel
- Available with Quarter-turn valves or domestic valves
- Will not rust or corrode
- Rough opening: 8 1/4" W x 6 1/4" H x 3" D
- Faceplate dimension: 11 5/8" W x 9 1/2" H
- Center drain outlet w/ 2" slipnut to be used with 2" pipe nipple or male adapter
- Assembled



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82170	Stainless Steel Center Drain, 1/2" Qtr-turn Sweat Valves	SSWB1	012181-821701	1.050	5	22
82171	Stainless Steel Center Drain, 1/2" Domestic Sweat Valves	SSWB2	012181-821718	1.050	5	22
82172	Stainless Steel Center Drain, 1/2" Qtr-turn Sweat Valves, Top-mount	SSWB1TM	012181-821725	1.050	5	22
82174	Stainless Steel Drain Outlet Box w/ 2" drain opening Drain kit, no valves	SSDB1	012181-821749	1.050	5	22

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### CATEGORY 5

#### Lead-free Galvanized Ice Maker Outlet Box



- Lead-free compliant
- Valves feature white handle and ✓ stamping
- Rough Opening: 10" W x 8 3/4" H x 3 1/2" D
- Faceplate dimension: 11 5/8" W x 9 1/2" H
- Unassembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88510	Qtr-turn Valve, 1/2" Sweat Connection	BIM875QTSAB	012181-885109	1.940	6	30
88158	Domestic Valve, 1/2" Sweat Connection	BIM875AB	012181-881583	0.480	6	13
88512	Qtr-turn Valve, 1/2" CPVC Connection	BIM876QTCAB	012181-885123	1.940	6	29
88514	Qtr-turn Valve, 1/2" PEX Connection	BIM877QTPAB	012181-885147	1.940	6	30

#### Lead-free Metal Powder-Coated Ice Maker Outlet Box



- Lead-free compliant
- Valves feature white handle and ✓ stamping
- Rough opening: 4 1/8" W x 4 3/4" H x 2" D
- Faceplate dimension: 7" W x 7" H
- Assembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88133	Qtr-turn Valve, 1/2" Sweat Connection, White	MIB1AB	012181-881330	0.480	5	13
88530	Domestic Valve Installed, 1/2" Sweat Conx.	MIB1DAB	012181-885307	0.480	5	10
88534	Qtr-turn Valve Installed, 1/2" Sweat Conx., Cont. Pack	MIB4AB	012181-885345	1.175	10	21
88532	Qtr-turn Valve Installed, 1/2" CPVC Conx.	MIB2AB	012181-885321	0.480	5	10
88178	Qtr-turn Valve, 1/2" PEX Connection, White	MIB3AB	012181-881781	0.480	5	13
88535	Qtr-turn Valve, 1/2" Wirsbo Connection	MIB5AB	012181-885352	0.480	5	11

#### Lead-free Metal Powder-Coated Ice Maker Outlet Box with Hammer Arrestor Valve



- Lead-free compliant
- Valves feature white handle and ✓ stamping
- Rough opening: 4 1/8" W x 4 3/4" H x 2" D
- Faceplate dimension: 7" W x 7" H
- Assembled

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88531	Qtr-turn Valve, 1/2" Sweat Connection with Arrestor	MIB1HAAB	012181-885314	0.480	5	13
88533	Qtr-turn Valve, 1/2" CPVC Connection with Arrestor	MIB2HAAB	012181-885338	0.480	5	13

#### Lead-free Stainless Steel Ice Maker Outlet Box



- Lead-free compliant
- Valves feature white handle and ✓ stamping
- Rough opening: 8 1/8" W x 6 1/4" H x 3" D
- Faceplate dimension: 10 7/8" W x 8 3/8" H
- Assembled





Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88164	Qtr-turn Valve, 1/2" Sweat Connection	SSIB1AB	012181-881644	0.480	5	13
88177	Domestic Valve, 1/2" Sweat Connection	SSIB2AB	012181-881774	1.05	5	22

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### FR-12 Metal Washing Machine Outlet Box with Quarter-turn Valves





- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Warnock Hersey certified
- Rough opening: 5 3/8" W x 5 7/8" H x 3 1/8" D
- Faceplate dimension: 8 1/2 W x 8 1/2" H
- 1hr & 2hr rated
- Drains may be nominal 2" or larger PVC, ABS, or metallic pipe
- Available in Quarter-turn, domestic and single-lever valve; with and without hammer arresters installed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82567	 Qtr-turn Valve, 1/2" Sweat Connection	FRM12S	012181-825679	1.050	5	22
82569	 Qtr-turn Valve, 1/2" CPVC Connection	FRM12C	012181-825693	1.160	5	22
82571	 Qtr-turn Valve, 1/2" PEX Connection	FRM12P	012181-825716	1.050	5	20
82573	 Qtr-turn Valve, 1/2" Wirsbo® Connection	FRM12W	012181-825730	1.160	5	23



### FR-12 Metal Washing Machine Outlet Box with Single-lever Valve





- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Warnock Hersey certified
- Rough opening: 5 3/8" W x 5 7/8" H x 3 1/8" D
- Faceplate dimension: 8 1/2 W x 8 1/2" H
- 1 and 2 HR rating—see design specification for exact rating
- Drains may be nominal 2" or larger PVC, ABS, or metallic pipe
- Available in quarter-turn, domestic and single-lever valve; with and without hammer arresters installed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82575	 Single-lever Valve, 1/2" Sweat Connection	FRM12SS	012181-825759	1.050	5	22
82577	 Single-lever Valve, 1/2" CPVC Connection	FRM12CS	012181-825773	1.160	5	22
82579	 Single-lever Valve, 1/2" PEX Connection	FRM12PS	012181-825796	1.050	5	20
82581	 Single-lever Valve, 1/2" Wirsbo® Connection	FRM12WS	012181-825810	1.160	5	23



### FR-12 Metal Washing Machine Outlet Box with Quarter-turn Hammer Arrester Valves

- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Rough opening: 5 3/8" W x 5 7/8" H x 3 1/8" D
- Faceplate dimension: 8 1/2 W x 8 1/2" H
- Warnock Hersey certified
- 1 and 2 HR rating—see design specification for exact rating
- Drains may be nominal 2" or larger PVC, ABS, or metallic pipe
- Available in quarter-turn, domestic and single-lever valve; with and without hammer arresters installed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82583	 Qtr-turn Arrester Valve, 1/2" Sweat Connection	FRM12SHA	012181-825839	1.050	5	22
82585	 Qtr-turn Arrester Valve, 1/2" CPVC Connection	FRM12CHA	012181-825853	1.160	5	22
82587	 Qtr-turn Arrester Valve, 1/2" PEX Connection	FRM12PHA	012181-825877	1.050	5	20
82589	 Qtr-turn Arrester Valve, 1/2" Wirsbo® Connection	FRM12WHA	012181-825891	1.160	5	23



**CATEGORY 4**

**FR-12 Metal Washing Machine Outlet Box with Single-lever Hammer Arrestor Valve**



- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Rough opening: 5 3/8" W x 5 7/8" H x 3 1/8" D
- Faceplate dimension: 8 1/2" W x 8 1/2" H
- Warnock Hersey certified
- 1 and 2 HR rating—see design specification for exact rating
- Drains may be nominal 2" or larger PVC, ABS, or metallic pipe
- Available in Quarter-turn, domestic and Single-lever valve; with and without hammer arresters installed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82591	Single-lever Arrestor Valve, 1/2" Sweat Connection	FRM12SSHA	012181-825914	1.050	5	22
82593	Single-lever Arrestor Valve, 1/2" PEX Connection	FRM12PSHA	012181-825931	1.050	5	22

**FR-12 Plastic Washing Machine Outlet Box with Quarter-turn Valves**



- Intumescent pad attached to back of outlet box
- Molded-in test cap for testing of DWV drain system – test cap will not fall down the drain
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/8" W x 7 7/8" H
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high-temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82355	Qtr-turn Valve, 1/2" Sweat Connection	FR-12S	012181-823552	0.810	5	15
82357	Qtr-turn Valve, 1/2" CPVC Connection	FR-12C	012181-823576	0.810	5	14
82359	Qtr-turn Valve, 1/2" PEX Connection	FR-12P	012181-823590	0.810	5	15
82361	Qtr-turn Valve, 1/2" Wirsbo® ProPEX® Connection	FR-12W	012181-823613	0.810	5	14
<b>Contractor Packs</b>						
82356	Qtr-turn Valve, 1/2" Sweat Connection	FR-12SCP	012181-823569	1.983	10	30
82358	Qtr-turn Valve, 1/2" CPVC Connection	FR-12CCP	012181-823583	1.983	10	28
82360	Qtr-turn Valve, 1/2" PEX Connection	FR-12PCP	012181-823606	1.983	10	30
82362	Qtr-turn Valve, 1/2" Wirsbo® ProPEX® Connection	FR-12WCP	012181-823620	1.983	10	28

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TEST-TITE

AB&A

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## FR-12 Plastic Washing Machine Outlet Box with Single-lever Valve

- Intumescent pad attached to back of outlet box
- Molded-in test cap for testing of DWV drain system – test cap will not fall down the drain
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82363	Single-lever Valve, 1/2" Sweat Connection	FR-12SS	012181-823637	0.810	5	18
82365	Single-lever Valve, 1/2" CPVC Connection	FR-12CS	012181-823651	0.810	5	18
82367	Single-lever Valve, 1/2" PEX Connection	FR-12PS	012181-823675	0.810	5	18
82369	Single-lever Valve, 1/2" Wirsbo® ProPEX® Connection	FR-12WS	012181-823699	0.810	5	18
<b>Contractor Packs</b>						
82364	Single-lever Valve, 1/2" Sweat Connection	FR-12SSCP	012181-823644	1.830	10	36
82366	Single-lever Valve, 1/2" CPVC Connection	FR-12CSCP	012181-823668	1.830	10	36
82368	Single-lever Valve, 1/2" PEX Connection	FR-12PSCP	012181-823682	1.830	10	36
82370	Single-lever Valve, 1/2" Wirsbo® ProPEX® Connection	FR-12WSCP	012181-823705	1.830	10	36

## FR-12 Plastic Washing Machine Outlet Box with Quarter-turn Hammer Arrester Valves

- Intumescent pad attached to back of outlet box
- Molded-in test cap for testing of DWV drain system – test cap will not fall down the drain
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82371	Qtr-turn Arrester Valve, 1/2" Sweat Connection	FR-12SHA	012181-823712	0.810	5	20
82373	Qtr-turn Arrester Valve, 1/2" CPVC Connection	FR-12CHA	012181-823736	0.810	5	18
82375	Qtr-turn Arrester Valve, 1/2" PEX Connection	FR-12PHA	012181-823750	0.810	5	19
82377	Qtr-turn Arrester Valve, 1/2" Wirsbo® ProPEX® Connection	FR-12WHA	012181-823774	0.810	5	19
<b>Contractor Packs</b>						
82372	Qtr-turn Arrester Valve, 1/2" Sweat Connection	FR-12SHACP	012181-823729	1.830	10	40
82374	Qtr-turn Arrester Valve, 1/2" CPVC Connection	FR-12CHACP	012181-823743	1.830	10	36
82376	Qtr-turn Arrester Valve, 1/2" PEX Connection	FR-12PHACP	012181-823767	1.830	10	38
82378	Qtr-turn Arrester Valve, 1/2" Wirsbo® ProPEX® Connection	FR-12WHACP	012181-823781	1.830	10	38

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### CATEGORY 4

#### FR-12 Plastic Washing Machine Outlet Box with Single-lever Hammer Arrester Valves



- Intumescent pad attached to back of outlet box
- Molded-in test cap for testing of DWV drain system – test cap will not fall down the drain
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82379	Single-lever Arrester Valve, 1/2" Sweat Connection	FR-12SSHA	012181-823798	0.810	5	19
82381	Single-lever Arrester Valve, 1/2" PEX Connection	FR-12PSHA	012181-823811	0.810	5	19
<b>Contractor Packs</b>						
82380	Single-lever Arrester Valve, 1/2" Sweat Connection	FR-12SSHACP	012181-823804	1.830	10	38
82382	Single-lever Arrester Valve, 1/2" PEX Connection	FR-12PSHACP	012181-823828	1.830	10	38

#### FR-12 Plastic Washing Machine Outlet Box with Domestic Valves



- Intumescent pad attached to back of outlet box
- Molded-in test cap for testing of DWV drain system – test cap will not fall down the drain
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82383	Domestic Valve, 1/2" Sweat Connection	FR-12DS	012181-823835	0.810	5	18
<b>Contractor Packs</b>						
82384	Domestic Valve, 1/2" Sweat Connection	FR-12DSCP	012181-823842	1.830	10	36

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### FR-12 Metal Ice Maker Outlet Box

- Lead-free compliant
- Valves feature white handle and stamping
- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Rough opening: 5 3/8" W x 5 7/8" H x 2 1/4" D
- Faceplate dimension: 8 1/2" W x 8 1/2" H
- Warnock Hersey certified
- 1hr & 2hr rated – see design specification for exact rating
- Available in Quarter-turn and domestic valves; with and without hammer arresters installed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82390	Qtr-turn Valve, 1/2" Sweat Connection	FRMIB12ABS	012181-823903	1.050	5	22
82393	Qtr-turn Valve, 1/2" CPVC Connection	FRMIB12ABC	012181-823934	1.160	5	22
82395	Qtr-turn Valve, 1/2" PEX Connection	FRMIB12ABP	012181-823958	1.050	5	20
82397	Qtr-turn Valve, 1/2" Wirsbo® Connection	FRMIB12ABW	012181-823972	1.160	5	23



### FR-12 Metal Ice Maker Outlet Box

- Lead-free compliant
- Valves feature white handle and stamping
- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Rough opening: 5 3/8" W x 5 7/8" H x 2 1/4" D
- Faceplate dimension: 8 1/2" W x 8 1/2" H
- Warnock Hersey certified
- 1hr & 2hr rated – see design specification for exact rating
- Available in Quarter-turn and domestic valves; with and without hammer arresters installed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82392	Qtr-turn Arrester Valve, 1/2" Sweat Connection	FRMIB12ABSHA	012181-823927	1.050	5	22
82394	Qtr-turn Arrester Valve, 1/2" CPVC Connection	FRMIB12ABCHA	012181-823941	1.160	5	22
82396	Qtr-turn Arrester Valve, 1/2" PEX Connection	FRMIB12ABPHA	012181-823965	1.050	5	20
82398	Qtr-turn Arrester Valve, 1/2" Wirsbo® Connection	FRMIB12ABWHA	012181-823989	1.160	5	23



### FR-12 Metal Ice Maker Outlet Box with Domestic Valve

- Manufactured from heavy duty steel with a white powder-coated finish
- 2 intumescent pads attached to inside and back of outlet box
- Simple installation – just nail or screw to stud
- No loose pieces to assemble allows quick installation
- Rough opening: 5 3/8" W x 5 7/8" H x 2 1/4" D
- Faceplate dimension: 8 1/2" W x 8 1/2" H
- Warnock Hersey certified
- 1hr & 2hr rated – see design specification for exact rating
- Available in Quarter-turn and domestic valves; with and without hammer arresters installed
- Lead-free compliant

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82399	Domestic Valve, 1/2" Sweat Connection	FRMIB12ABDS	012181-823996	1.050	5	22



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### CATEGORY 5

#### FR-12 Plastic Lead-free Ice Maker Outlet Boxes



- Lead-free compliant
- Valves feature white handle and stamping
- Intumescent pad attached to back of outlet box
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR-12 Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- Preloaded nails for right or left stud bay installation
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82408	Qtr-turn Valve, 1/2" Sweat Connection	FRIB12ABS	012181-824085	0.810	5	12
82411	Qtr-turn Valve, 1/2" CPVC Connection	FRIB12ABC	012181-824115	0.810	5	11
82413	Qtr-turn Valve, 1/2" PEX Connection	FRIB12ABP	012181-824139	0.810	5	12
82415	Qtr-turn Valve, 1/2" Wirsbo® Connection	FRIB12ABW	012181-824153	0.810	5	12
<b>Contractor Packs</b>						
82409	Qtr-turn Valve, 1/2" Sweat Connection	FRIB12ABSCP	012181-824092	1.983	10	24
82412	Qtr-turn Valve, 1/2" CPVC Connection	FRIB12ABCCP	012181-824122	1.983	10	22
82414	Qtr-turn Valve, 1/2" PEX Connection	FRIB12ABPCP	012181-824146	1.983	10	24
82416	Qtr-turn Valve, 1/2" Wirsbo® Connection	FRIB12ABWCP	012181-824160	1.983	10	24

#### FR-12 Plastic Lead-free Ice Maker Outlet Box with Hammer Arrester Valve



- Lead-free compliant
- Valves feature white handle and stamping
- Intumescent pad attached to back of outlet box
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR-12 Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- Preloaded nails for right or left stud bay installation
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82417	Qtr-turn Arrester Valve, 1/2" Sweat Connection	FRIB12ABSHA	012181-824177	0.810	5	12
82419	Qtr-turn Arrester Valve, 1/2" CPVC Connection	FRIB12ABCHA	012181-824191	0.810	5	11
82421	Qtr-turn Arrester Valve, 1/2" PEX Connection	FRIB12ABPH	012181-824214	0.810	5	12
82423	Qtr-turn Arrester Valve, 1/2" Wirsbo® Connection	FRIB12ABWHA	012181-824238	0.810	5	12
<b>Contractor Packs</b>						
82418	Qtr-turn Arrester Valve, 1/2" Sweat Connection	FRIB12ABSHACP	012181-824184	1.983	10	24
82420	Qtr-turn Arrester Valve, 1/2" CPVC Connection	FRIB12ABCHACP	012181-824207	1.983	10	22
82422	Qtr-turn Arrester Valve, 1/2" PEX Connection	FRIB12ABPHCP	012181-824221	1.983	10	24
82424	Qtr-turn Arrester Valve, 1/2" Wirsbo® Connection	FRIB12ABWHACP	012181-824245	1.983	10	24

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### FR-12 Plastic Ice Maker Outlet Box with Domestic Valve

- Lead-free compliant
- Valves feature white handle and stamping
- Intumescent pad attached to back of outlet box
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR series boxes
- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high temperature resin
- No special wrapping or sheet rock fabrication needed
- City of LA listed



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82389	Domestic Valve, 1/2" Sweat Connection	FRIB12ABDS	012181-883897	0.810	5	12

### FR-12 Plastic Gas Outlet Boxes

- Intumescent pad attached to back of outlet box
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR-12 Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Rough opening: 6" W x 6" H x 3 1/8" D
- Faceplate dimension: 8 5/16" W x 7 7/8" H
- Preloaded nails for right or left stud bay installation
- One faceplate fits washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high-temperature resin
- No special wrapping or sheet rock fabrication needed



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82446	1/2" IPS Gas Valve	FRGB12IP	012181-824467	0.810	5	14
82448	1/2" Female Gas Valve, for use on CSST	FRGB12CSST	012181-824481	0.810	5	13

### FR-12 Plastic Air Admittance Valve Recess Outlet Box

- Simple installation – just nail or screw to stud
- Preloaded nails for right or left stud bay installation
- AAV not included
- Rough opening: 6" W x 6" H x 3" D
- Faceplate dimension: 9 1/2" W x 9 1/2" H
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high-temperature resin
- No special wrapping or sheet rock fabrication needed



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82456	Air Admittance Valve Outlet Box, 1 1/2" female adaptor included	FRAAV12	012181-824566	0.810	5	11

### FR-12 Auxiliary Drain Outlet Box

- Intumescent pad attached to back of outlet box
- Molded-in test cap for testing of DWV drain system – test cap will not fall down the drain
- Snap-on frame accommodates up to 1" drywall and is interchangeable with all FR-12 Fire-rated plastic outlet boxes
- Simple installation – just nail or screw to stud
- Condensate line not included
- Preloaded nails for right or left stud bay installation
- One faceplate fits plastic washer, ice maker, gas, AAV and auxiliary drain outlet boxes
- Warnock Hersey certified
- 1hr & 2hr rated
- Made of high-temperature resin
- No special wrapping or sheet rock fabrication needed
- Ideal for overhead auxiliary drain line discharge



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82458	Fire-rated Auxiliary Drain Outlet Box	FRAD12	012181-824580	0.810	5	10

### CATEGORY 5

#### Stainless Steel Gas Outlet Boxes



- Provides a recessed valve installation allowing appliances to be closer to wall
- Two valve options: ½" iron pipe & ¾" iron pipe
- Valves are CSA listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87887	½" IP Stainless Steel Gas Box	SSGB12IP	012181-878873	1.050	5	22
87888	¾" IP Stainless Steel Gas Box	SSGB34IP	012181-878880	1.050	5	22
87889	½" CSST Stainless Steel Gas Box	SSGB12CSST	012181-878897	1.050	5	22

#### Metal Gas Outlet Box



- 20-gauge box / 20-gauge faceplate
- Provides a recessed valve installation allowing appliances to be closer to the wall
- Rough opening: 4 ⅞" W x 4 ¾" H x 2" D
- Faceplate dimension: 7" W x 7" H
- White powder coat on cold rolled steel finish
- Valves are CSA listed
- Test plug provided for testing of valve assembly

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88112	CSA Listed ½" IPS Gas Valve	MGB1	012181-881125	0.480	5	25

#### Metal Dishwasher, Commercial Ice Maker, and Coffee Maker Outlet Boxes



- One box design with installed valve or arrester valve saves considerable installation time versus installing separate boxes or separate valves and Hammer Arresters
- Ideal for coffee kiosks, sink/faucet and toilet connections
- Rough opening: 4 ⅞" W x 4 ¾" H x 2" D
- Faceplate dimension: 7" W x 7" H
- ⅝" Outlet – Quarter-turn valve with Hammer Arrester Installed
- Available with Sweat, CPVC and PEX Qtr-turn connections; with or without Hammer Arresters

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87939	⅝" Outlet, Qtr-turn Arrester Valve, ½" Sweat Conn.	MDWB1AB	012181-879399	0.480	5	15
87940	⅝" Outlet, Qtr-turn Arrester Valve, ½" CPVC Conn.	MDWB2AB	012181-879405	0.480	5	15
87944	⅝" Outlet, Qtr-turn Arrester Valve, ½" PEX Conn.	MDWB3AB	012181-879443	0.480	5	15
87964	⅝" Outlet, Qtr-turn, ½" Sweat Conn.	MDWB4AB	012181-879641	0.48	5	10
87965	⅝" Outlet, Qtr-turn, ½" CPVC Conn.	MDWB5AB	012181-879658	0.48	5	10
87966	⅝" Outlet, Qtr-turn, ½" Pex Conn.	MDWB6AB	012181-879665	0.48	5	10

#### Dialysis Box **NEW**



- Built from 300 series stainless steel to prevent corrosion
- Access door may be positioned in any convenient orientation; includes concealed hinge and Cam Cylinder lock and two keys
- Stainless steel wall flange provides multiple, mounting options to cover space between wall and box; secure with Phillips head screws (supplied)
- Waste outlet can be directly connected to 2" nominal size glass or plastic drain with mechanical coupling
- Tapped holes on mounting plate allow for easy assembly of valves
- Tailpiece waste connection is 2 ¾" OD stainless steel
- Interior seams are continuous welded with a bead blast finish to provide a water-tight seal and smooth finish
- Equipment drain tube support is located directly over the drain to eliminate splatter and minimize clean up
- PVC valves are ball-style with EPDM seals and O-ring; ½" FPT Sch 80; flushing nipple is included
- Single or double valve capability for greater flexibility
- Large mounting flanges provide easy securement of box to wall, eliminating the need to build supports

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82643	Dialysis Box, One Valve, Less Door	DBSS1	012181-826430	1.3	1	5.06
82644	Dialysis Box, One Valve, Locking Door	DBSS1D	012181-826447	1.3	1	6.29
82645	Dialysis Box, Two Valves, Less Door	DBSS2	012181-826454	1.3	1	5.37
82646	Dialysis Box, Two Valves, Locking Door	DBSS2D	012181-826461	1.3	1	6.63



## Dryer Boxes

- Sturdy 22-gauge molded aluminized steel
- Locate the dryer against the wall
- Flex is protected from getting compressed, gain 5 feet of duct run
- Reduces fire hazard
- Lint buildup is minimized
- Meets code requirements as a clean-out
- Doubles as gas connection receptacle

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82425	2x6 upward exhaust outlet	DB-425	012181-824252	1.640	5	21
82426	2x4 upward exhaust outlet	DB-350	012181-824269	1.630	6	24
82427	2x6 downward exhaust outlet	DB-4D	012181-824276	1.900	5	26
82428	2x4 downward exhaust outlet	DB-3D	012181-824281	1.940	6	29



## Guy Gray™ Faceplates and Accessories

- Strong, durable replacement faceplates
- Heavy-duty galvanized
- Wide frame allows for clean finish

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Faceplates</b>						
90254	Metal IMOB (8 1/2" x 8 1/2") 16 Ga. Steel	7063	012181-902547	0.010	1	0.5
97091	Faceplate for Model B150, B200; 18 Ga. Galvanized	B	012181-970911	0.010	1	1
97092	Faceplate for Model BE150, BE200; 18 Ga. Galvanized	BE	012181-970928	0.010	1	1
97093	Faceplate for Model BED150, BED200; 18 Ga. Galvanized	BED	012181-970935	0.010	1	2
97094	Faceplate for Model NWBED150, NWBED200; 18 Ga. Galvanized	NWBED	012181-970942	0.010	1	1
97095	Faceplate for Model T150, T200; 20 Ga. White	T	012181-970959	0.010	1	1
90504	Faceplate for Model MWB	90504	012181-905043	0.010	1	0.5
89282	Faceplate for Model FR, Plastic	FR7070	012181-892824	0.010	1	1
97983	Faceplate for Model FR, Metal	97983	012181-979839	0.010	1	1
97116	Faceplate for Model SSWB, Stainless Steel	97116	012181-971161	0.010	1	1
<b>Accessories</b>						
97031	7/8" Rubber Washer	903P	012181-970317	0.010	1	1
97032	3/4" and 1/2" Reducing Washers	RW1	012181-970324	0.010	1	1
97036	2" Rubber Gasket	L2411	012181-970362	0.010	1	1
97038	2" Chase Drain Nipple	CN200	012181-970386	0.010	1	1
97046	2" Flange Nut	5225	012181-970461	0.010	1	1
97034	2" Chrome-Plated Nut	5062	012181-970348	0.010	1	1
<b>Tamper-Resistant Cover Plates</b>						
96997	Tamper-resistant cover for Models B, BB, WB, FB & BIM	BTRC	012181-969970	0.265	6	10
96998	Tamper-resistant cover for Models BED, BBED, WBED, FBED, BBE, WBE & FBE	BEDTRC	012181-969987	0.355	6	13
96999	Tamper-resistant cover for Models NWBED, WNWBED, NWFBE	NWBEDTRC	012181-969994	0.355	6	13
<i>Furnished with tamper-resistant screws</i>						
90355	Screwdriver for tamper-resistant covers	90355	012181-903551	N/A	1	4





## Saving time and effort since 1969

The Water-Tite Washing Machine Recessed Outlet Box – the industry’s first plastic construction – standardized laundry connections in 1969. In 1978, Water-Tite’s recessed Ice Maker Outlet Box allowed contractors to save more time in the kitchen too.

## More labor-saving specialty products than ever

For more than 40 years, Water-Tite products have been helping plumbers reduce installation time while maintaining a high level of quality. Today, Water-Tite’s line includes a wide range of innovative, labor-saving specialty plumbing products. From roof flashings and residential drains to support systems and much more, Water-Tite has the products that help plumbers work faster and smarter.



Water-Tite offers a comprehensive line of Washing Machine Outlet Boxes, Handles, and Valve Connections for your installation needs. All Water-Tite and Guy Gray® valves comply with ASME A112.18.1. All integral hammer arrester valves also comply with ASSE1010. See the following pages for additional details on all of the components.

### Washing Machine Outlet Boxes

DU-All™ Dual-Drain Washing Machine Outlet Boxes



Econo Washing Machine Outlet Boxes



Wide-mouth Washing Machine Outlet Boxes



### Valve Types



Quarter-turn  
(Red)



Quarter-turn  
(Blue)



Single-lever



Domestic



Quarter-turn  
Hammer  
Arrester  
(Red)



Quarter-turn  
Hammer  
Arrester  
(Blue)



Single-lever  
Hammer  
Arrester

### Valve Connections



1/2" Copper  
Sweat



1/2" CPVC  
ASTM D2846



1/2" PEX  
ASTM F1807



3/8" PEX  
ASTM F1807



1/2" Wirsbo®  
ASTM F1960



SharkBite®  
Valve



Long Shank  
Extension

Wirsbo® is a registered trademark of Uponor/Wirsbo®.  
SharkBite is a registered trademark of Reliance Worldwide Corporation.

## DU-All™ Dual-Drain Washing Machine Outlet Boxes

- Patented one-piece design speeds installation versus separate drain and valve boxes – Patent # 4,934,410
- Back of box rests against the back sheetrock wall for sturdy installation
- Solid one-piece construction with raised drip guard contains and directs leaks down the drain
- Forward mounted valves give easy access for on/off operation
- Various valve-mounting options allow dual drain, right drain only or left drain only
- Can be inverted for top-mount and center drain option
- Flat box side for secure mounting to the stud
- EZ Out Test Caps are raised for easy removal and KOs are oversized so they won't fall down drain
- Textured, snap-on frame with hot and cold supply designations embossed on front, accommodates up to 1" drywall for a clean finish
- DU-All™ and Center Drain Econo Box faceplates are interchangeable
- Rough opening: 8 1/4" W x 6 1/8" H x 3 3/4" D
- Faceplate dimension: 10 3/16" W x 8 1/16" H
- Extended mounting flange provided
- Faceplate unassembled in contractor packs



Standard Pack



Contractor Pack  
(shown without faceplate)



Top-mount invert outlet box  
for Top-mount option.  
(shown without faceplate)

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82052	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W2700	012181-820520	2.140	10	21
82054	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W2701	012181-820544	2.140	10	19
82056	Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W2702	012181-820568	2.140	10	20
85131	Brass Qtr-turn Valves, Installed, 3/8" PEX Conx.	W2738	012181-851319	2.140	10	20
82001	Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W2711	012181-820018	2.140	10	20
<b>NEW</b> 85758	Brass Qtr-Turn Valves, Installed, 1/2" SharkBite® Conx.	W2720	012181-857588	0.9	3	6
82321	Brass Qtr-turn Valves, Installed, 1/2" Viega Conx.	W2722	012181-823217	2.140	10	21
85610	Domestic Adapter Valves, Installed, 1/2" Sweat Conx.	W2312D	012181-856109	2.140	10	26
85630	Single-lever Valve, Installed, 1/2" Sweat Conx.	W2800	012181-856307	2.140	10	26
85637	Single-lever Valve, Installed, 1/2" CPVC Conx.	W2801	012181-856376	2.140	10	25
85682	Single-lever Valve, Installed, 1/2" PEX Conx.	W2800X	012181-856826	2.140	10	27
85614	Brass Qtr-turn Valves, Unassembled, 1/2" Sweat Conx.	W2412	012181-856147	2.140	10	21
82107	Brass Qtr-turn Valves, Unassembled, 1/2" CPVC Conx.	W2704	012181-821077	2.140	10	19
82008	Brass Qtr-turn Valves, Unassembled, 1/2" Wirsbo® Conx.	W2713	012181-820087	2.140	10	21
85604	Washer Box Only – No Valves	W2012	012181-856048	2.140	10	11
<b>Contractor Packs</b>						
82053	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W2700CP	012181-820537	4.870	20	42
82055	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W2701CP	012181-820551	4.870	20	38
82057	Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W2702CP	012181-820575	4.870	20	42
85132	Brass Qtr-turn Valves, Installed, 3/8" PEX Conx.	W2738CP	012181-851326	4.870	20	42
82002	Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W2711CP	012181-820025	4.870	20	42
82322	Brass Qtr-turn Valves, Installed, 1/2" Viega Conx.	W2722CP	012181-823224	4.870	20	42
85632	Single-lever Valve, Installed, 1/2" Sweat Conx.	W2800CP	012181-856321	4.870	20	52
85638	Single-lever Valve, Installed, 1/2" CPVC Conx.	W2801CP	012181-856383	4.870	20	53
<b>Dual-Drain Display Packs</b>						
82013	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	R2512B	012181-820131	1.860	6	13
82014	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	R2001B	012181-820148	1.860	6	12
82017	Single-lever Valve, Installed, 1/2" Sweat Conx.	R2800B	012181-820179	1.860	6	12
82000	Washer Box Only – No Valves	R2012B	012181-820001	1.860	6	7

### CATEGORY 4

#### DU-All™ Dual-Drain Washing Machine Outlet Boxes with Hammer Arrestor Valves

- Patented one-piece design speeds installation versus separate drain and valve boxes – Patent # 4,934,410
- Back of box rests against the back sheetrock wall for sturdy installation
- Solid one-piece construction with raised drip guard contains and directs leaks down the drain
- Forward mounted valves give easy access to homeowners for on/off operation
- Various valve mounting options allow dual drain, right drain only or left drain only
- Can be inverted for top-mount and center drain option
- Flat box side for secure mounting to the stud
- EZ Out Test Caps are raised for easy removal and KOs are oversized so they won't fall down drain
- Textured, snap-on frame, with hot and cold supply designations embossed on front, accommodates up to 1" drywall for a clean finish
- DU-All™ and Center Drain Econo Box faceplates are interchangeable
- Rough opening: 8 ¼" W x 6 ½"H x 3 ¾" D
- Faceplate dimension: 10 ¾" W x 8 13/16" H
- Extended mounting flange provided
- Faceplate unassembled in contractor packs



Standard Pack



Contractor Pack  
(shown without faceplate)










Top-mount Invert outlet box  
for Top-mount option  
(shown without faceplate)

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Hammer Arrestor Standard Packs</b>						
85703	Brass Qtr-turn Arrestor Valves, Installed, ½" Sweat Conx.	W2700HA	012181-857038	2.140	10	29
85706	Brass Qtr-turn Arrestor Valves, Installed, ½" CPVC Conx.	W2701HA	012181-857069	2.140	10	26
85714	Brass Qtr-turn Arrestor Valves, Installed, ½" PEX Conx.	W2702HA	012181-857144	2.140	10	20
81998	Brass Qtr-turn Arrestor Valves, Installed, ½" Wirsbo® Conx.	W27011HA	012181-819982	2.140	10	20
85701	Single-lever Arrestor Valve, Installed, ½" Sweat Conx.	W2800HA	012181-857014	2.140	10	29
85717	Single-lever Arrestor Valve, Installed, ½" CPVC Conx.	W2801HA	012181-857175	2.140	10	20
85719	Single-lever Arrestor Valve, Installed, ½" PEX Conx.	W2802HA	012181-857199	2.140	10	20
85748	Single-lever Arrestor Valve, Installed, ½" Wirsbo®	W2811HA	012181-857489	2.140	10	28
<b>Hammer Arrestor Contractor Packs</b>						
85704	Brass Qtr-turn Arrestor Valves, Installed, ½" Sweat Conx.	W2700HACP	012181-857045	4.870	20	60
85707	Brass Qtr-turn Arrestor Valves, Installed, ½" CPVC Conx.	W2701HACP	012181-857076	4.870	20	59
85723	Brass Qtr-turn Arrestor Valves, Installed, ½" PEX Conx.	W2702HACP	012181-857236	4.870	20	40
81999	Brass Qtr-turn Arrestor Valves, Installed, ½" Wirsbo® Conx.	W2711HACP	012181-819999	4.870	20	20
85702	Single-lever Arrestor Valve, Installed, ½" Sweat Conx.	W2800HACP	012181-857021	4.870	20	59
85718	Single-lever Arrestor Valve, Installed, ½" CPVC Conx.	W2801HACP	012181-857182	4.870	20	40
85749	Single-lever Arrestor Valve, Installed, ½" Wirsbo®	W2811HACP	012181-857496	4.870	20	58

Wirsbo® is a registered trademark of Uponor/Wirsbo®.

## DU-All™ 10 N 1® Dual-Drain Washing Machine Outlet Box

- Patented one-piece design speeds installation versus separate drain and valve boxes – Patent # 4,934,410
- Back of box rests against the back sheetrock wall for sturdy installation
- Solid one-piece construction with raised drip guard contains and directs leaks down the drain
- Various valve mounting options allow dual drain, right drain only, left drain only, bottom or top-mount
- Valves unassembled for contractor's mounting option
- Multiple drain options
- Flat box side for secure mounting to the stud
- EZ Out Test Caps are raised for easy removal and KOs are oversized so they won't fall down drain
- Textured, snap-on frame, with hot and cold supply designations embossed on the front, accommodates up to 1" drywall for a clean finish
- DU-All™ and Center Drain Econo Box faceplates are interchangeable
- Rough opening: 8 ¼" W x 6 ⅞" H x 3 ¾" D
- Faceplate dimension: 10 ⅜" W x 8 ⅜" H
- Extended mounting flange provided
- Faceplate unassembled in contractor packs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
85121	 Brass Qtr-turn Valves, Uninstalled, ½" Sweat Conx.	W2121	012181-851210	2.140	10	20
85123	 Brass Qtr-turn Valves, Uninstalled, ½" CPVC Conx.	W2250	012181-851234	2.140	10	21
85125	 Brass Qtr-turn Valves, Uninstalled, ½" PEX Conx.	W2122	012181-851258	2.140	10	21
<b>Contractor Packs</b>						
85122	 Brass Qtr-turn Valves, Uninstalled, ½" Sweat Conx.	W2121CP	012181-851227	4.870	20	42
85124	 Brass Qtr-turn Valves, Uninstalled, ½" CPVC Conx.	W2250CP	012181-851241	4.870	20	42
85126	 Brass Qtr-turn Valves, Uninstalled, ½" PEX Conx.	W2122CP	012181-851265	4.870	20	42
85130	 Brass Qtr-turn Arrester Valves, Only Cold Valve Installed, ½" CPVC Conx.	W2201HACP	012181-851302	4.870	20	42



Standard Pack



Contractor Pack  
(shown without faceplate)



Top-mount Invert outlet box  
for Top-mount option  
(shown without faceplate)

### CATEGORY 4

#### Econo Center Drain Washing Machine Outlet Boxes



Standard Pack



Contractor Pack  
(shown without faceplate)



Top-mount Invert outlet box  
for Top-mount option  
(shown without faceplate)



Display Pack

- Box can be inverted for top-mount valves and center drain option
- Textured, snap-on frame accommodates up to 1" drywall for a clean finish
- Center Drain Econo Box and DU-All™ faceplates are interchangeable
- One-piece construction with raised drip guard contains potential leaks down the drain
- Raised EZ-out test caps allow for easy removal
- Oversized KOs will not fall down drain
- Brass Quarter-turn valves installed
- Rough opening: 8 1/4" W x 6 1/8" H x 3 3/4"D
- Faceplate dimension: 10 3/16" W x 8 13/16" H
- Extended mounting flange provided
- Covered by one or more of the following patents – D411,870; D471,960
- Faceplate unassembled in contractor packs







Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82064	PEX Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W4700	012181-820640	2.140	10	19
82066	PEX Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W4701	012181-820664	2.140	10	18
82068	PEX Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W4702	012181-820688	2.140	10	19
82072	PEX Brass Qtr-turn Valves, Installed, 3/8" PEX Conx.	W4738	012181-820728	2.140	10	21
82003	PEX Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W4711	012181-820032	2.140	10	19
82308	PEX Brass Qtr-turn Valves, Installed, 1/2" Viega Conx.	W4722	012181-823088	2.140	10	19
87204	Washer Box Only – No Valves	W4012	012181-872048	2.140	10	9
<b>Contractor Packs</b>						
82065	PEX Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W4700CP	012181-820650	4.870	20	39
82067	PEX Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W4701CP	012181-820674	4.870	20	36
82069	PEX Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W4702CP	012181-820698	4.870	20	39
82073	PEX Brass Qtr-turn Valves, Installed, 3/8" PEX Conx.	W4738CP	012181-820735	4.870	10	21
82004	PEX Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W4711CP	012181-820049	4.870	20	42
<b>Center Drain Display Pack</b>						
NEW 81977	PEX Brass Qtr-turn Valves, Installed 1/2" PEX	R4702	012181-819777	1.24	4	9

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## Econo Center Drain Washing Machine Outlet Boxes with Hammer Arrester Valves

- Box can be inverted for top-mount valves and center drain option
- Textured, snap-on frame accommodates up to 1" drywall for a clean finish
- Center Drain Econo Box and DU-All™ faceplates are interchangeable
- One-piece construction with raised drip guard contains potential leaks down the drain
- Raised EZ-out test caps allow for easy removal
- Oversized KOs will not fall down drain
- Brass Hammer Arrester valves installed
- Rough opening: 8 ¼" W x 6 ⅞" H x 3 ¾"D
- Faceplate dimension: 10 ⅜" W x 8 ⅜" H
- Extended mounting flange provided
- Products covered by one or more of the following patents – D411,870; D471,960
- Faceplate unassembled in contractor packs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Hammer Arrester Standard Packs</b>						
85708	 Brass Qtr-turn Arrester Valves, Installed, ½" Sweat Conx.	W4700HA	012181-857083	2.140	10	28
85711	 Brass Qtr-turn Arrester Valves, Installed, ½" CPVC Conx.	W4701HA	012181-857113	2.140	10	25
85716	 Brass Qtr-turn Arrester Valves, Installed, ½" PEX Conx.	W4702HA	012181-857168	2.140	10	20
<b>Hammer Arrester Contractor Packs</b>						
85709	 Brass Qtr-turn Arrester Valves, Installed, ½" Sweat Conx.	W4700HACP	012181-857090	4.870	20	57
85713	 Brass Qtr-turn Arrester Valves, Installed, ½" Sweat Conx./Less Frame	W4700HACPLF	012181-857137	4.870	20	52
85712	 Brass Qtr-turn Arrester Valves, Installed, ½" CPVC Conx.	W4701HACP	012181-857120	4.870	20	57



Standard Pack



Contractor Pack (shown without faceplate)



Top-mount Invert outlet box for Top-mount option (shown without faceplate)

### CATEGORY 5

#### Right-hand Wide-Mouth Outlet Boxes



- Wide-mouth opening for drainage of auxiliary line
- Drain line partition for separation of washer discharge hose and auxiliary discharge line
- Discharge guide tube holds discharge line firmly and protects against splashes
- One drain outlet, no additional fittings
- One-piece molded in test cap will not fall down drain line
- Four mounting brackets included
- Rough opening: 10 1/4" W x 6" H x 3 5/8" D
- Faceplate dimension: 13" W x 5 5/8" H
- Faceplate unassembled in contractor packs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
87351	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W8900	012181-873519	4.080	10	26
87355	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W8901	012181-873557	4.080	10	24
87359	Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W8902	012181-873595	4.080	10	26
87378	Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W8911	012181-873786	4.080	10	26
87349	Brass Qtr-turn Valves, Uninstalled, 1/2" Sweat Conx.	W8912	012181-873496	4.080	10	26
87386	Brass Qtr-turn Valves, Uninstalled, 1/2" Wirsbo® Conx.	W8411	012181-873861	4.080	10	26
87363	Single-lever Valve, Installed, 1/2" Sweat Conx.	W8904	012181-873632	4.080	10	33
<b>Contractor Packs</b>						
87353	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W8900CP	012181-873533	4.360	10	26
87357	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W8901CP	012181-873571	4.360	10	24
87361	Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W8902CP	012181-873618	4.360	10	26
87365	Single-lever Valve, Installed, 1/2" Sweat Conx.	W8904CP	012181-873656	4.360	10	33
87379	Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W8911CP	012181-873793	4.360	10	26
87398	Single-lever Valve, Installed, 1/2" Wirsbo® Conx.	W8914CP	012181-873984	4.360	10	30
<b>Top-mount Contractor Packs</b>						
87385	Brass Qtr-turn Valves, Installed, Top-mount, 1/2" Sweat Conx.	W8900CPTM	012181-873854	4.360	10	26
87383	Brass Qtr-turn Valves, Installed, Top-mount, 1/2" CPVC Conx.	W8901CPTM	012181-873830	4.360	10	24
87384	Brass Qtr-turn Valves, Installed, Top-mount, 1/2" PEX Conx.	W8902CPTM	012181-873847	4.360	10	26
87382	Brass Qtr-turn Valves, Installed, Top-mount, 1/2" Wirsbo® Conx.	W8911CPTM	012181-873823	4.360	10	26
<b>Display Pack</b>						
<b>NEW</b> 87048	Brass Qtr-turn Valves, Installed, Top-mount, 1/2" PEX Conx.	R8209TM	012181-870488	2.0	4	10.5



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WELDPON  
GUY CRAB  
WATER-TITE  
TEST-TITE  
AB&A  
STUDOR  
TRUEBRO

## Right-hand Wide-mouth Outlet Boxes with Hammer Arrester Valves

- Wide-mouth opening for drainage of auxiliary line
- Drain line partition for separation of washer discharge hose and auxiliary discharge line
- Discharge guide tube holds discharge line firmly and protects against splashes
- One drain outlet, no additional fittings
- One-piece molded in test cap will not fall down drain line
- Four mounting brackets included
- Rough opening: 10 1/4" W x 6" H x 3 5/8" D
- Faceplate dimension: 13" W x 5 5/8" H
- Faceplate unassembled in contractor packs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Hammer Arrester Standard Pack</b>						
87404	Brass Qtr-turn Arrester Valves, Installed, 1/2" PEX Conx.	W8902HA	012181-87404	4.080	10	32
<b>Hammer Arrester Contractor Packs</b>						
87390	Brass Qtr-turn Arrester Valves, Installed, 1/2" Sweat Conx.	W8900HACP	012181-873908	4.360	10	34
87407	Brass Qtr-turn Arrester Valves, Installed, 1/2" CPVC Conx.	WB901HACP	012181-874073	4.360	10	34
87401	Brass Qtr-turn Arrester Valves, Installed, 1/2" Wirsbo® Conx.	W8911HACP	012181-874011	4.360	10	34
87388	Brass Qtr-turn Arrester Valves, Installed, Top-mount, 1/2" Sweat Conx.	W8900HACPTM	012181-873885	4.360	10	34
<b>Display Pack</b>						
<b>NEW</b> 87049	Brass Qtr-turn Arrester Valves, Installed, 1/2" PEX	R8209HATM	012181-870495	2.0	4	13.7



## Left-hand Wide-mouth Outlet Boxes

- Wide-mouth opening for drainage of auxiliary line
- Drain line partition for separation of washer discharge hose and auxiliary discharge line
- Discharge guide tube holds discharge line firmly and protects against splashes
- One drain outlet, no additional fittings
- One-piece molded in test cap will not fall down drain line
- Four mounting brackets included
- Rough opening: 10 1/4" W x 6" H x 3 5/8" D
- Faceplate dimension: 13" W x 5 5/8" H
- Faceplate unassembled in contractor packs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
87367	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W8900LD	012181-873670	4.080	10	26
87371	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W8901LD	012181-873717	4.080	10	24
87374	Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W8902LD	012181-873748	4.080	10	26
87380	Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W8911LD	012181-873809	4.080	10	26
87376	Single-lever Valve, Installed, 1/2" Sweat Conx.	W8904LD	012181-873762	4.080	10	33
<b>Contractor Packs</b>						
87369	Brass Qtr-turn Valves, Installed, 1/2" Sweat Conx.	W8900LDLDCP	012181-873694	4.360	10	26
87373	Brass Qtr-turn Valves, Installed, 1/2" CPVC Conx.	W8901LDLDCP	012181-873731	4.660	10	24
87375	Brass Qtr-turn Valves, Installed, 1/2" PEX Conx.	W8902LDLDCP	012181-873755	4.360	10	26
87381	Brass Qtr-turn Valves, Installed, 1/2" Wirsbo® Conx.	W8911LDLDCP	012181-873816	4.360	10	26
87377	Single-lever Valve, Installed, 1/2" Sweat Conx.	W8904LDLDCP	012181-873779	4.360	10	33



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Water-Tite offers a comprehensive line of Ice Maker Outlet Boxes, Handles, and Valve Connections for your installation needs. All Water-Tite and Guy Gray® valves comply with lead-free laws and ASME A112.18.1. All integral hammer arrester valves also comply with ASSE1010. See the following pages for additional details on all of the components.

**Ice Maker Outlet Boxes**

Plastic Square  
Ice Maker Outlet Boxes



Plastic Round  
Ice Maker Outlet Boxes



Plastic Mini-Round  
Outlet Boxes



**Valve Types**



Quarter-turn  
(Blue)



Domestic



Quarter-turn  
Hammer  
Arrester  
(Blue)

**Valve Connections**



1/2" Copper  
Sweat



1/2" CPVC  
ASTM D2846



1/2" PEX  
ASTM F1807



3/8" PEX  
ASTM F1807




1/2" Wirsbo®  
ASTM F1960
























Long Shank  
Extension

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## Plastic Lead-free Ice Maker Outlet Boxes

- Lead-free compliant
- Valves feature white handle and  stamping
- Rough opening: 5 3/4" W x 4 7/8" H x 3 1/2" D
- Faceplate dimension 8 1/4" W x 7 5/8" H
- Contour box design allows easy valve access
- One-piece box and flange design needs no additional support framing nor support framing labor
- Snap-on faceplate accommodates up to 3/4" drywall
- Faceplate unassembled in contractor packs
- Product covered by one or more of the following patents – D411,870; D471,960



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Lead-free Standard Packs</b>						
87967	 Brass Qtr-turn Valve, Installed, 1/2" Sweat Conx.	AB9700	012181-879672	1.030	10	10
87971	 Brass Qtr-turn Valve, Installed, 1/2" CPVC Conx.	AB9701	012181-879719	1.030	10	10
87969	 Brass Qtr-turn Valve, Installed, 1/2" PEX Conx.	AB9702	012181-879696	1.030	10	10
87973	 Brass Qtr-turn Valve, Installed, 1/2" Wirsbo® Conx.	AB9711	012181-879733	1.030	10	10
88017	 Brass Domestic Valve, Installed, 1/2" Sweat Conx.	AB9000A	012181-880173	1.030	10	10
87952	 Brass Qtr Turn Valve, Installed, 1/2" Viega PF Conx	AB9722	012181-879728	1.090	10	10
87954	 Brass Qtr Turn Valve, Installed, 3/8" PEX Conx	AB9738	012181-879542	1.090	10	10
<b>Lead-free Contractor Packs</b>						
87968	 Brass Qtr-turn Valve, Installed, 1/2" Sweat Conx.	AB9700CP	012181-879689	1.090	20	10
87972	 Brass Qtr-turn Valve, Installed, 1/2" CPVC Conx.	AB9701CP	012181-879726	1.090	20	10
87970	 Brass Qtr-turn Valve, Installed, 1/2" PEX Conx.	AB9702CP	012181-879702	1.090	20	10
87974	 Brass Qtr-turn Valve, Installed, 1/2" Wirsbo® Conx.	AB9711CP	012181-879740	1.090	20	10
87953	 Brass Qtr Turn Valve, Installed, 1/2" Viega PF Conx	AB9722CP	012181-879535	2.560	20	20
87955	 Brass Qtr Turn Valve, Installed, 3/8" PEX Conx	AB9738CP	012181-879559	2.560	20	20
<b>Lead-free Hammer Arrester Standard Packs</b>						
87978	 Brass Qtr-turn Arrester Valve, Installed, 1/2" Sweat Conx.	AB9700HA	012181-879788	1.090	10	10
87982	 Brass Qtr-turn Arrester Valve, Installed, 1/2" CPVC	AB9701HA	012181-879825	1.090	10	10
87980	 Brass Qtr-turn Arrester Valve, Installed, 1/2" PEX Conx.	AB9702HA	012181-879801	1.090	10	10
87984	 Brass Qtr-turn Arrester Valve, Installed, 1/2" Wirsbo® Conx.	AB9711HA	012181-879849	1.090	10	10
<b>Lead-free Hammer Arrester Contractor Packs</b>						
87979	 Brass Qtr Turn Arrester Valve, Installed, 1/2" Sweat Conx.	AB9700HACP	012181-879785	2.560	20	28
87983	 Brass Qtr-turn Arrester Valve, Installed, 1/2" CPVC Conx.	AB9701HACP	012181-879832	2.560	20	29
87981	 Brass Qtr-turn Arrester Valve, Installed, 1/2" PEX	AB9702HACP	012181-879818	2.560	20	20
87985	 Brass Qtr-turn Arrester Valve, Installed, 1/2" Wirsbo®	AB9711HACP	012181-879856	2.560	20	20
<b>Lead-free Hammer Arrester Display Packs</b>						
88182	 Brass Qtr-turn Arrester Valve, Installed, 1/2" Sweat Conx.	RAB900B	012181-881828	1.277	10	10

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### CATEGORY 5

#### Round Ice Maker Outlet Box with Hose



- 72" stainless steel braided hose comes attached to valve
- Hose is replaceable
- Round faceplate enables easier installation after wallboard is installed
- Flat-sided walls ensure rigid mount against stud bay
- Rough opening: 6" diameter x 3 1/2" deep
- Faceplate diameter: 8" round
- Protective cover protects valves and hose from paint and debris during construction
- Additional top knockouts molded in box to allow for mounting shut-off valves or gas valves
- Faceplate unassembled in contractor packs
- Four molded-in flanges enable easy and secure installation

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
88480	Brass Qtr-turn Valve, 1/2" Sweat Conx.	AB9800	012181-884805	1.340	10	15
88482	Brass Qtr-turn Valve, 1/2" CPVC Conx.	AB9801	012181-884829	1.340	10	15
88484	Brass Qtr-turn Valve, 1/2" PEX Conx.	AB9802	012181-884843	1.340	10	12
88486	Brass Qtr-turn Valve, 1/2" Wirsbo® Conx.	AB9811	012181-884867	1.340	10	12
88068	Round IM Supply Box only, less valves and SS Hose	W9800LV	012181-880685	1.340	10	7
<b>Contractor Packs</b>						
88481	Brass Qtr-turn Valve, 1/2" Sweat Conx.	AB9800CP	012181-884812	3.360	20	31
88483	Brass Qtr-turn Valve, 1/2" CPVC Conx.	AB9801CP	012181-884836	3.360	20	29
88485	Brass Qtr-turn Valve, 1/2" PEX Conx.	AB9802CP	012181-884850	3.360	20	30
88487	Brass Qtr-turn Valve, 1/2" Wirsbo® Conx.	AB9811CP	012181-884874	3.360	20	31

#### Round Ice Maker Outlet Box less Hose




- Round faceplate enables easier installation after wallboard is installed
- Protective cover protects valves and hose from paint and debris during construction
- Rough opening: 6" diameter x 3 1/2" deep
- Faceplate diameter: 8" round
- Flat-sided walls ensure rigid mount against stud bay
- Additional top knockouts molded in box to allow for mounting shut-off valves or gas valves
- Faceplate unassembled in contractor packs
- Four molded-in flanges enable easy and secure installation












Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
88488	Brass Qtr-turn Valve, 1/2" Sweat Conx.	AB9900	012181-884881	1.330	10	11
88491	Brass Qtr-turn Valve, 1/2" CPVC Conx.	AB9901	012181-884911	1.330	10	12
88493	Brass Qtr-turn Valve, 1/2" PEX Conx.	AB9902	012181-884935	1.330	10	11
88496	Brass Qtr-turn Valve, 1/2" Wirsbo® Conx.	AB9911	012181-884966	1.330	10	12
<b>Contractor Packs</b>						
88489	Brass Qtr-turn Valve, 1/2" Sweat Conx.	AB9900CP	012181-884898	3.360	20	23
88492	Brass Qtr-turn Valve, 1/2" CPVC Conx.	AB9901CP	012181-884928	3.360	20	21
88494	Brass Qtr-turn Valve, 1/2" PEX Conx.	AB9902CP	012181-884942	3.360	20	26
88497	Brass Qtr-turn Valve, 1/2" Wirsbo® Conx.	AB9911CP	012181-884973	3.360	20	24

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
## Round Mini Lead-free Ice Maker Outlet Box and Preloaded Mounting Nails

- Lead-free compliant
- Valves feature white handle and  stamping
- Pre-loaded nails provide strong rigid mount
- Nails are reversible and box can be mounted to left or right-hand stud bay
- Round trim ring faceplate accommodates up to 1" drywall
- Molded-in side support brackets supports box to stud bay
- Rough opening: 4 3/4" diameter x 2 3/8" deep
- Faceplate diameter: 6 1/8" round
- Valve options: Copper, CPVC, PEX and Wirsbo®
- Brass quarter-turn valve installed
- Faceplate unassembled in contractor packs




Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Lead-free Standard Packs</b>						
87989	 Brass Qtr-turn Valve, Installed, 1/2" Sweat Conx.	AB9200	012181-879894	0.640	10	8
87993	 Brass Qtr-turn Valve, Installed, 1/2" CPVC Conx.	AB9201	012181-879931	0.640	10	8
87991	 Brass Qtr-turn Valve, Installed, 1/2" PEX Conx.	AB9202	012181-879917	0.640	10	7
87995	 Brass Qtr-turn Valve, 1/2" Wirsbo® Conx.	AB9211	012181-879955	0.640	10	8
88399	 Brass Qtr Turn Valve, 1/2" Viega Conx	AB9222	012181-883990	0.640	10	8
88382	 Brass Qtr Turn Valve, Installed, 3/8" PEX Conx	AB9238	012181-883822	0.640	10	8
<b>Lead-free Contractor Packs</b>						
87990	 Brass Qtr-turn Valve, Installed, 1/2" Sweat Conx.	AB9200CP	012181-879900	0.640	20	8
87994	 Brass Qtr-turn Valve, Installed, 1/2" CPVC Conx.	AB9201CP	012181-879948	0.640	20	8
87992	 Brass Qtr-turn Valve, Installed, 1/2" PEX Conx.	AB9202CP	012181-879924	0.640	20	7
87996	 Brass Qtr-turn Valve, 1/2" Wirsbo® Conx.	AB9211CP	012181-879962	0.640	20	8
88383	 Brass Qtr Turn Valve, Installed, 3/8" PEX Conx	AB9238CP	012181-883839	1.700	20	16


## Round Mini Ice Maker Outlet Box with Domestic Valve and Preloaded Mounting Nails

- Pre-loaded nails provide strong rigid mount
- Nails are reversible and box can be mounted to left or right-hand stud bay
- Lead-free compliant
- Valves feature  stamping
- Round trim ring faceplate accommodates up to 1" drywall
- Rough opening: 4 3/4" diameter x 2 3/8" deep
- Faceplate diameter: 6 1/8" round
- Molded-in side support brackets support box to stud bay










Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88374	 Domestic Valve, Installed, 1/2" Sweat Conx.	AB9200D	012181-883747	0.640	10	7

## Round Mini Ice Maker Outlet Box With Hammer Arrestor Valve And Preloaded Mounting Nails

- Pre-loaded nails provide strong rigid mount
- Nails are reversible and box can be mounted to left or right-hand stud bay
- Round trim ring faceplate accommodates up to 1" drywall
- Lead-free compliant
- Valves feature white handle and  stamping
- Rough opening: 4 3/4" diameter x 2 3/8" deep
- Faceplate diameter: 6 1/8" round
- Valve options: Copper, CPVC, PEX, and Wirsbo®
- Molded-in side support brackets support box to stud bay
- Available in standard and contractor packs
- Brass quarter-turn valve installed



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
88372	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" Sweat Conx.	AB9200HA	012181-883723	0.640	10	12
88376	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" CPVC Conx.	AB9201HA	012181-883761	0.640	10	11
88377	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" PEX Conx.	AB9202HA	012181-883778	0.640	10	12
88379	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" Wirsbo	AB9211HA	012181-883792	0.640	10	12
<b>Contractor Packs</b>						
88373	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" Sweat Conx.	AB9200HACP	012181-883730	1.700	20	24
88378	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" PEX Conx.	AB9202HACP	012181-883785	1.700	20	24
88380	 Brass Qtr-turn Arrestor Valve, Installed, 1/2" Wirsbo	AB9211HACP	012181-883808	0.640	10	12








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### CATEGORY 5

#### Round Mini Plastic Dishwasher, Commercial Ice Maker, and Coffee Maker Outlet Box with Preloaded Mounting Nails



- One box design with installed valve or arrester valve saves considerable installation time versus installing separate boxes or separate valves and Hammer Arresters
- 3/8" outlet, quarter-turn valve pre-installed
- Preloaded, reversible nails provide strong rigid mount
- Rough opening: 4 3/4" diameter x 2 3/8" deep
- Faceplate diameter: 6 1/8" round
- Round faceplate design accommodates up to 1" sheet rock
- Available with Sweat, CPVC and PEX Qtr-turn connections; with or without Hammer Arresters
- Ideal for coffee kiosks, sink/faucet and toilet connections
- Molded-in side support brackets support box to stud bay
















Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs with Arrester Valves</b>						
87934	 Brass Qtr-turn Arrester Valve, 3/8" Outlet, Installed, 1/2" Sweat Conx.	AB9300HA	012181-879344	0.640	10	12
87935	 Brass Qtr-turn Arrester Valve, 3/8" Outlet, Installed, 1/2" CPVC Conx.	AB9301HA	012181-879351	0.640	10	11
87937	 Brass Qtr-turn Arrester Valve, 3/8" Outlet, Installed, 1/2" PEX Conx.	AB9302HA	012181-879375	0.640	10	12
87960	 3/8" Outlet, Qtr-turn, 1/2" Sweat Conx.	AB9300	012181-879603	0.64	10	10
87961	 3/8" Outlet, Qtr-turn, 1/2" CPVC Conx.	AB9301	012181-989610	0.64	10	10
87962	 3/8" Outlet, Qtr-turn, 1/2" Pex Conx.	AB9302	012181-979627	0.64	10	10
<b>Contractor Packs with Arrester Valves</b>						
87938	 Brass Qtr-turn Arrester Valve, 3/8" Outlet, Uninstalled, 1/2" PEX Conx.	AB9302HACP	012181-879382	1.700	20	24



## Shock Busters™ Hammer Arresters

Ignoring water hammer can lead to costly damage within any plumbing system. Water-Tite "AA" Single Fixture Shock-Buster™ Hammer Arresters are the solution to eliminating water hammer in residential and light commercial supply lines. All our Hammer Arresters are manufactured to the highest standards that our customers have come to expect. Shock-Buster Hammer Arresters contain all the necessary approvals to pass code inspection in any territory. "AA" Hammer Arresters must be installed as close to the valve as possible; recommended to be no more than 6' from the valve being protected.

- "AA" single fixture size
- Guaranteed for the lifespan of the plumbing system
- UPC listed
- ASSE Certified to ANSI/ASSE 1010-2004 standard
- Approved for sealed wall installations with no access panel required
- May be installed at any angle
- Conforms to IPC Code

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86600	 3/4" Arrester For Washing Machine	86600	012181-866009	.75	25	10
86601	 1/2" Male Sweat Arrester	86601	012181-866016	1	50	12
86590	 1/2" MIP Connection Arrester (Lead-free)	86590	012181-865903	1	50	11
86603	 3/4" Male Sweat Arrester	86603	012181-866030	1	50	15
86604	 1/2" CPVC Socket Arrester	86604	012181-866047	1	50	9
86624	 1/2" CPVC Male Inlet Arrester	86624	012181-866245	1	50	20
86591	 5/8" O.D. Compression Straight Arrester (Lead-free)	86591	012181-865910	1	50	15
86592	 1/4" x 1/4" Compression Tee Arrester (Lead-free)	86592	012181-865927	.75	25	9
86593	 3/8" x 3/8" Compression Tee Arrester (Lead-free)	86593	012181-865934	.75	25	10
86594	 5/8" x 3/8" Compression Tee Arrester (Lead-free)	86594	012181-865941	.75	25	11
86595	 3/8" x 3/8" Reverse Nut Tee Arrester (Lead-free)	86595	012181-865958	.75	25	9
86596	 5/8" x 3/8" Reverse Nut Tee Arrester (Lead-free)	86596	012181-865965	.75	25	11
86597	 3/8" x 3/8" PEX Barb Tee Arrester (Lead-free)	86597	012181-865972	.75	25	8
86598	 1/2" x 1/2" PEX Barb Tee Arrester (Lead-free)	86598	012181-865989	.75	25	8
86621	 1/2" PEX Barb Arrester	86621	012181-866214	1	50	8
86599	 1/2" Wirsbo Tee Arrester (Lead-free)	86599	012181-865996	1	50	8



\*Complies with AB1953

### CATEGORY 6

#### Angle Stop Connection Boxes



- Patent # 5,423,345 & 5,558,119 & 5,653,254
- Box 6 1/8" W x 7 1/8" H x 3 3/8" D
- Drain connection with knock-out test cap molded in box couples with standard 1 1/2" DWV fitting hubs
- Reduces numerous labor steps through 2 construction phases to a few easy steps in a single phase
- Eliminates the temporary materials needed to stub-out supply and drain systems for sinks, lavatories and laundry/utility trays
- Lead-free compliant

- Frame 8" W x 9" H
- One-piece box with surrounding flange needs no additional support framing and labor and allows nailing directly to stud or intricate positioning on stabilizer bars
- Box may be mounted at any rotation (drain to the top, bottom, right or left)
- Snap-on frame accommodates up to 1" drywall
- Quarter-turn or domestic valves available
- Faceplate unassembled in contractor packs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87827	3/8" Chrome Domestic Angle Stops Installed – 1/2" Sweat Conx.	3312DAB	012181-878279	1.750	10	16
87828	3/8" Chrome Qtr-turn Angle Stops Installed – 1/2" PEX Conx.	3512XAB	012181-878286	1.750	10	16
87829	3/8" Chrome Qtr-turn Angle Stops Installed – 1/2" PEX-Cont. Pack	3512XABCP	012181-878293	4.240	20	32
87826	3/8" Chrome Qtr-turn Angle Stops Installed – 1/2" CPVC Conx.	3001AB	012181-878262	1.750	10	15

#### "The Dimple" Toilet Connection Boxes



- Box: 3" diameter
- Mounting plate: 4" x 4"
- Trim ring: 4 3/16" diameter
- Eliminates the temporary materials needed to stub-out supply systems for toilets or other single supply fixtures
- Quarter-turn or domestic valves available
- Lead-free compliant

- Reduces numerous labor steps through 2 construction phases to a few easy steps in a single phase
- Mounting plates allows nailing directly to stud or intricate positioning on stabilizer bars
- Snap-on trim ring accommodates up to 3/4" drywall
- Patent # 5,469,882 & 5,577,530

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87891	3/8" Chrome Qtr-turn Angle Stop – 1/2" Sweat Conx.	TCB1AB	012181-878910	0.626	10	10
87895	3/8" Chrome Domestic Angle Stop – 1/2" Sweat Conx.	TCB1DAB	012181-879016	0.626	10	10
87892	3/8" Chrome Qtr-turn Angle Stop – 1/2" PEX Conx.	TCB1XAB	012181-878927	0.626	10	10
87893	3/8" Chrome Qtr-turn Angle Stop – 1/2" PEX Conx.	TCB1XABCP	012181-878934	1.190	20	21
87894	3/8" Chrome Qtr-turn Angle Stop – 1/2" CPVC Conx.	TCB2AB	012181-878941	0.626	10	10

### Mini Round Gas Outlet Box

- Provides a recessed valve installation allowing appliances to be closer to wall
- Preloaded nails provide a strong rigid mount
- Nails are reversible and box can be mounted to the left or right-hand stud bay
- Two valve options: ½" iron pipe & ½" CSST Tubing

- Valves are CSA listed
- Test plug provided for testing of valve assembly
- Round trim ring fits mini ice maker box & accommodates up to 1" sheet rock
- Molded side support brackets support box to stud bay
- Faceplate unassembled in contractor packs



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
88106 <sup>†</sup>	Mini Gas Outlet Box, with nails & ½" valve for iron pipe	W5700	0-12181-881064	6.640	10	9
<b>Contractor Pack</b>						
88107 <sup>†</sup>	Mini Gas Outlet Box, with nails & ½" valve for iron pipe	W5700CP	0-12181-881071	6.640	10	9

<sup>†</sup>Pre-loaded nail

### Round Gas Outlet Box

- Provides a recessed valve installation allowing appliances to be closer to wall
- Three valve options: ½" iron pipe, ½" CSST tubing and ¾" iron pipe
- Valves are CSA listed

- Four molded-in flanges enable easy and secure installation
- Round face plate enables easier installation after wallboard is installed
- Flat-sided walls ensure rigid mount against stud bay



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87860	Large Round, ½" IPS Gas Valve	W5912IP	012181-878606	1.330	5	7
87861	Large Round, ¾" IPS Gas Valve	W5934IP	012181-878613	1.330	5	7
87862	Large Round, ½" Female Gas Valve CSST	W5912CSST	012181-878620	1.330	5	7

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### CATEGORY \*

### Water-Tite Faceplates



- Strong, durable replacement faceplates
- White to match existing box
- Wide frame allows for clean finish

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
89267	Dual-Drain & Standard WMOB (10-3/16" x 8-13/16")	W7070	012181-892671	0.010	1	0.5
89277	Wide-Mouth WMOB Faceplate	89277	012181-89277	0.010	1	0.5
89266	Plastic IMOB (8 1/4" x 7 5/16")	W7011	012181-892664	0.010	1	0.5
89279	Mini Ice Maker and Gas Outlet Box Faceplate	89279	012181-89279	0.010	1	0.5
89275	Round IMOB Faceplate	89255	012181-892756	0.010	1	0.5
90266	Angle Stop Box (8" x 9")	7067	012181-802660	0.010	1	0.5
90250	Dimple TCB Escutcheon (4-9/16" Dia.)	7042 C	012181-902509	0.010	1	0.5

### Outlet Box Accessories



- Replacement parts

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88285	Short (4") Washer Box Mounting Flange	7003	012181-882856	0.010	1	0.5
88290	Long (7-11/16") Washer Box Mounting Flange	7003 A	012181-882900	0.010	1	0.5
90195	Grommet for WMOB & IMOB Compression Supply	7009	012181-901953	0.010	1	0.5
89917	Metal Locknut for 1/2" Supply Valves	6240	012181-899175	0.010	1	0.5
89439	Plastic Locknut for 1/2" Supply Valves	5010	012181-894392	0.010	1	0.5

### Washing Machine Outlet Box Valves



- Brass finish
- Easy quarter-turn
- Standard 1/2" IPS connection
- Easy valve replacement for repairs
- Complies with ASME A112.18.1
- Also compatible with Guy Gray products

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88400	Qtr-turn Brass Valve, Red Handle, 1/2" Sweat Connection	88400	012181-884003	0.010	1	1
88401	Qtr-turn Brass Valve, Blue Handle, 1/2" Sweat Connection	88401	012181-884010	0.010	1	1
88402	Qtr-turn Brass Valve, Red Handle, 1/2" PEX Connection	88402	012181-884027	0.010	1	1
88403	Qtr-turn Brass Valve, Blue Handle, 1/2" PEX Connection	88403	012181-884034	0.010	1	1
88250	Qtr-turn Brass Valve, Red Handle, 1/2" CPVC Connection	88404	012181-884041	0.010	1	1
88251	Qtr-turn Brass Valve, Blue Handle, 1/2" CPVC Connection	88405	012181-884058	0.010	1	1
88406	Qtr-turn Brass Valve, Red Handle, 1/2" Wirsbo® Connection	88406	012181-884065	0.010	1	1
88407	Qtr-turn Brass Valve, Blue Handle, 1/2" Wirsbo® Connection	88407	012181-884072	0.010	1	1
90011	Domestic Adapter Valve, 1/2" Sweat Connection	6404AVEID	012181-900116	0.010	1	1
88260	Single-lever Valve, 1/2" Sweat Connection	6408	012181-882603	0.010	1	2
88262	Single-lever Valve, 1/2" CPVC Connection	88262	012181-882628	0.010	1	2
<b>NEW</b> 88242	Dual Handle Single Lever Valve ONLY, 1/2" Sweat Conn.	HS88242	012181-882429	0.810	5	13
88170	Long Shank Extension Only, 1/2" Sweat Connection	6401A	012181-881705	0.010	1	3

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## Hammer Arrester Washing Machine Outlet Box Valves

- Brass finish
- Easy quarter-turn
- Standard 1/2" IPS connection
- Easy valve replacement for repairs
- Complies with ASSE 1010
- Complies with ASME A112.18.1
- Also compatible with Guy Gray products

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88351	Qtr-turn Arrester Brass Valve, Red Handle, 1/2" Sweat Connection	88351	012181-883518	0.010	1	2
88352	Qtr-turn Arrester Brass Valve, Blue Handle, 1/2" Sweat Connection	88352	012181-883525	0.010	1	2
88353	Qtr-turn Arrester Brass Valve, Red Handle, 1/2" PEX Connection	88353	012181-883532	0.010	1	2
88354	Qtr-turn Arrester Brass Valve, Blue Handle, 1/2" PEX Connection	88354	012181-883549	0.010	1	2
88356	Qtr-turn Arrester Brass Valve, Red Handle, 1/2" CPVC Connection	88356	012181-883563	0.010	1	2
88357	Qtr-turn Arrester Brass Valve, Blue Handle, 1/2" CPVC Connection	88357	012181-883570	0.010	1	2
88358	Qtr-turn Arrester Brass Valve, Red Handle, 1/2" Wirsbo® Connection	88358	012181-883587	0.010	1	2
88359	Qtr-turn Arrester Brass Valve, Blue Handle, 1/2" Wirsbo® Connection	88359	012181-883594	0.010	1	2
88269	Single-lever Valve, 1/2" Sweat Connection	88269	012181-882696	0.010	1	2



## Lead-free Ice Maker Outlet Box Valves

- Lead-free compliant
- Valves feature white handle and stamping
- Easy quarter-turn
- Brass finish
- 1/4" IPS connection
- Complies with ASME A112.18.1
- Also compatible with Guy Gray products

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88416	Lead-free, Qtr-turn Valve, White Handle, 1/2" Sweat Connection	88416	012181-884164	0.010	1	1
88417	Lead-free, Qtr-turn Valve, White Handle, 1/2" PEX Connection	88417	012181-884171	0.010	1	1
88418	Lead-free, Qtr-turn Valve, White Handle, 1/2" CPVC Connection	88418	012181-884188	0.010	1	1
88419	Lead-free, Qtr-turn Valve, White Handle, 1/2" Wirsbo® Connection	88419	012181-884195	0.010	1	1



## Lead-free Ice Maker Outlet Box Hammer Arrester Valves

- Lead-free compliant
- Valves feature white handle and stamping
- Easy quarter-turn
- Brass finish
- 1/4" IPS connection
- Complies with ASME A112.18.1
- Complies with ASSE 1010
- Also compatible with Guy Gray products

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88366	Lead-free, Qtr-turn Arrester Valve, White Handle, 1/2" Sweat Connection	88366	012181-883662	0.010	1	2
88367	Lead-free, Qtr-turn Arrester Valve, White Handle, 1/2" PEX Connection	88367	012181-883679	0.010	1	2
88368	Lead-free, Qtr-turn Arrester Valve, White Handle, 1/2" CPVC Connection	88368	012181-883686	0.010	1	2
88369	Lead-free, Qtr-turn Arrester Valve, White Handle, 1/2" Wirsbo® Connection	88369	012181-883693	0.010	1	2



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### CATEGORY 10

#### Techno Flange® Closet Flanges



- One-piece knockout will not fall down drain line
- Knockout breaks out in one piece
- Inset test cap cannot be damaged by construction equipment
- Beveled hub design allows easier insertion into 4" foam core pipe

- Available with stainless steel or powder-coated adjustable ring
- FLUSH-TITE design allows flush installation inside 4" pipe
- Fits 3" or 4" Sch. 40 DWV pipe
- Patent 7,055,184 B2

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86132	Standard Pattern w/Techno Knockout for 3" or 4" PVC Pipe	4830TFK	012181-861325	2.270	40	31
86137	Standard Pattern w/Techno Knockout for 3" or 4" ABS Pipe	5830TFK	012181-861370	2.270	40	24

#### Flush•Tite Closet Flanges



- Solvent weld installation only
- For over 3" or inside 4" Sch. 40 DWV pipe
- Available for 4" hub fit

- Available in standard or long pattern, with or without pipe stop
- Also available for inside 3" pipe

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
86150	Standard Pattern w/o Knockout for PVC Pipe, w/o Pipe Stop	48302	012181-861509	2.270	40	28
86155	Standard Pattern w/o Knockout for ABS Pipe, w/o Pipe Stop	58302	012181-861554	2.270	40	21
86151	Long Pattern w/o Knockout for PVC Pipe, w/o Pipe Stop	4830LP	012181-861516	2.610	40	28
86140	Long Pattern w/o Knockout for PVC Pipe, with Pipe Stop	4830	012181-861400	2.610	40	29
86145	Long Pattern w/o Knockout for ABS Pipe, with Pipe Stop	5830	012181-861455	2.610	40	22
86149	Fits Inside 3" Sch. 40 DWV PVC Pipe, w/o Knockout	48301	012181-861493	1.170	20	12
86160	Fits Inside 3" Sch. 40 DWV ABS Pipe, w/o Knockout	58301	012181-861608	1.170	20	9
86130	Standard Pattern with Knockout for PVC Pipe	4830KO	012181-861301	2.270	40	31
86135	Standard Pattern with Knockout for ABS Pipe	5830KO	012181-861356	2.270	40	24
86131	Long Pattern with Knockout for PVC Pipe	4830LPK	012181-861318	2.610	40	33
86126	Fits Over 4" Sch. 40 DWV PVC Pipe, w/o Knockout	4824	012181-861264	1.170	20	14
86127	Fits Over 4" Sch. 40 DWV ABS Pipe, w/o Knockout	5824	012181-861271	1.170	20	10
86128	Fits Over 4" Sch. 40 DWV PVC Pipe, With Knockout	4824KO	012181-861288	1.170	20	18
86129	Fits Over 4" Sch. 40 DWV ABS Pipe, With Knockout	5824KO	012181-861295	1.170	20	13
<b>Display Packs</b>						
82505	Without Knockout for PVC Pipe, w/o Pipe Stop	R48302	012181-825051	0.563	6	4
82500	With Knockout for PVC Pipe	R4830KO	012181-825006	0.563	6	5

### Techno Flange® Closet Flanges with Metal Adjustable Ring

- One-piece knockout will not fall down drain line
- Knockout breaks out in one piece
- Inset test cap cannot be damaged by construction equipment
- Beveled hub design allows easier insertion into 4" foam core pipe
- Available with stainless steel or powder-coated adjustable ring
- Flush•Tite design allows flush installation inside 4" pipe
- Fits 3" or 4" Sch. 40 DWV pipe
- Patent 7,055,184 B3



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86173	With Techno Knockout for 3" or 4" PVC Pipe	4830ATF	012181-861738	2.610	40	38
86174	With Techno Knockout for 3" or 4" ABS Pipe	5830ATF	012181-861745	2.610	40	32
86177	With Techno Knockout for 3" or 4" PVC Pipe/SS Ring	4830ASTF	012181-861776	2.610	40	38
86178	With Techno Knockout for 3" or 4" ABS Pipe/SS Ring	5830ASTF	012181-861783	2.610	40	32

### Flush•Tite Closet Flanges with Metal Adjustable Ring

- Metal adjustable ring allows for easy alignment of bolts and screws
- For over 3" or inside 4" Sch. 40 DWV pipe
- Available in standard or long pattern, with or without pipe stop
- Also available for 4" hub fit



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86166	Without Knockout for 3" or 4" PVC Pipe, w/o Pipe Stop	4830A2	012181-861660	2.610	40	34
86175	Without Knockout for 3" or 4" ABS Pipe, w/o Pipe Stop	5830A2	012181-861752	2.610	40	29
86179	With Stainless Steel Ring, 3" or 4" PVC, w/o Pipe Stop	4830AS2	012181-861790	2.610	40	34
86182	With Stainless Steel Ring, 3" or 4" ABS, w/o Pipe Stop	5830AS2	012181-861820	2.610	40	29
86167	Long Pattern Without Knockout for 3" or 4" PVC Pipe, with Pipe Stop	4830A3	012181-861677	2.610	40	36
86176	Long Pattern Without Knockout for 3" or 4" ABS Pipe, with Pipe Stop	5830A3	012181-861769	2.610	40	30
86165	With Knockout for 3" or 4" PVC Pipe	4830A	012181-861653	2.610	40	38
86170	With Knockout for 3" or 4" ABS Pipe	5830A	012181-861707	2.610	40	32
86141	Fits Over 4" Sch. 40 DWV PVC Pipe, w/o Knockout	4824A	012181-861417	1.170	20	16
86142	Fits Over 4" Sch. 40 DWV ABS Pipe, w/o Knockout	5824A	012181-861424	1.170	20	14

### Offset Closet Flange

- 1½" offset from center
- All plastic

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
86180	For 3" or 4" PVC Pipe	4831	012181-861806	1.760	20	22
86185	For 3" or 4" ABS Pipe	5831	012181-861851	1.760	20	17
<b>Display Pack</b>						
82516	For 3" or 4" ABS Pipe	R5831	012181-825167	0.723	6	5



### Offset Closet Flange with Adjustable Metal Ring

- Metal adjustable ring allows for easy alignment of bolts and screws
- Fits 3" or 4" Sch. 40 DWV Pipe
- 2" offset allows for margin of error for pipe flange alignment

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86181	3" x 4" PVC Offset Closet Flange with Metal Ring	4831M	012181-861813	1.96	20	25
86186	3" x 4" ABS Offset Closet Flange with Metal Ring	5831M	012181-861868	1.96	20	21



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### CATEGORY 10

#### 45° Closet Flange



- Allows for plumbing in tight areas
- Available as all plastic or with stainless steel adjustable ring
- Available with or without knockout
- Fits 3" or 4" Sch. 40 DWV Pipe

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86196	45° PVC Closet Flange w/ Plastic Adjustable Ring	4845P	012181-861967	2.24	20	21
86197	45° ABS Closet Flange w/ Plastic Adjustable Ring	5845P	012181-861974	2.24	20	16
86198	45° PVC Closet Flange w/ S. S. Adjustable Ring	4845S	012181-861981	2.24	20	22
86199	45° ABS Closet Flange w/ S. S. Adjustable Ring	5845S	012181-861998	2.24	20	19
86201	45° PVC Closet Flange w/ Plastic Adjustable Ring/KO	4845PKO	012181-862018	2.24	20	22
86202	45° ABS Closet Flange w/ Plastic Adjustable Ring/KO	5845PKO	012181-862025	2.24	20	18
86203	45° PVC Closet Flange w/ S. S. Adjustable Ring/KO	4845SKO	012181-862032	2.24	20	24
86204	45° ABS Closet Flange w/ S. S. Adjustable Ring/KO	5845SKO	012181-862049	2.24	20	20

#### Long Closet Flange **NEW**



- Allows for plumbing in tight areas
- Available as all plastic or with stainless steel adjustable ring
- Available with or without knockout
- Fits 3" or 4" Sch. 40 DWV Pipe

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86147	Long Closet Flange – PVC	4846S	012181-861479	2.650	10	6
86148	Long Closet Flange – ABS	5846S	012181-861486	2.650	10	6

#### Repair Closet Flange **NEW**



- 3" Hub size (inside existing 4" x 3" closet flange) requires no chiseling, cutting or drilling to remove existing flange hub
- Eliminates risk of debris falling down drain line from removal of old hub
- Rubber gasket creates a water tight seal
- Unique metal clips secure the flange with existing 4" x 3" hub or pipe
- Models allow flush installation inside 3" hub, 3" pipe or 4" pipe
- For residential and commercial applications
- Patent Pending

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86250	Repair Closet Flange - 3" Inside Pipe	4845	012181-862506	0.62	5	7
86251	Repair Closet Flange - 3" Hub	4846	012181-862513	0.62	5	7
86252	Repair Closet Flange - 4" Inside Pipe	4847	012181-862520	0.62	5	7

#### Push 'N Repair® Closet Flange



- One-piece construction / gasket permanently attached to hub of flange
- Seals the entire length of the tailpiece extension
- Can be cut to desired length
- Available in PVC or ABS
- No bolts to tighten
- Full 3" of flow, no obstructions of bolts
- Easy push-in installation
- Pre-lubricated gasket
- Fits 4" PVC, DWV, No-hub-service weight & extra heavy cast iron

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86191	3" PVC Push N' Repair Closet Flange	4843	012181-861912	0.620	5	6
86192	3" ABS Push N' Repair Closet Flange	5843	012181-861929	0.620	5	5
86193	4" PVC Push N' Repair Closet Flange	4844	012181-861936	0.620	5	7
86194	4" ABS Push N' Repair Closet Flange	5844	012181-861943	0.620	5	6



### Stainless Steel Extension Ring

- Stainless Steel will not rust

- Use multiple rings to adjust height

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86187	Stainless Steel Ring Only	86187	012181-861875	0.120	20	4



### Closet Flange Extension Rings

- Builds up existing closet flange when new flooring leaves it below grade for proper seal

- At 1/4" thick, multiples may be stacked to desired height
- 1 pair per header sleeve

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86208	Pair of 1/4" Thick Extension Rings	86208	012181-862087	0.390	20 Pr.	8
86209	Kit of 3 Extension Rings & 2 Closet Bolts, Nuts, Washers	86209	012181-862094	0.650	20 Kits	13



### Adjustable Urinal Flange Kits

- Horizontal slots accommodate mounting centers from 3 1/2 to 7"
- Kits include flange, bolts, nuts, washers and gaskets

- Available for spigot or socket joint
- Fits 2" Sch. 40 DWV Pipe

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68004	Urinal FI Socket Adj PVC 2"	ABA8548	767580-029035		20	9
68005	Urinal FI Spigot Adj PVC 2"	ABA8549	767580-029042		20	10
65362	Urinal FI Socket Adj ABS 2"	ABA8545	767850-029004		20	9
65363	Urinal FI Spigot Adj ABS 2"	ABA8546	767850-029011		20	10



### Wax Closet Gaskets

- 100% pure petroleum wax gasket
- Fits 3" or 4" waste lines

- Provides a permanent seal impervious to vermin, odors, gases and acids

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82550	Standard Wax Gasket	RWG1	012181-825501	1.470	48	26
82555	Wax Gasket with Plastic Horn	RWG2	012181-825556	1.470	24	16
82556	Std. Wax Gasket w/Double Nut Brass Closet Bolts	RWG7	012181-825563	1.470	48	30
82557	Wax Gasket w/ Plastic Horn w/ Double Nut Brass Closet Bolts	RWG8	012181-825570	1.470	24	18
82565	Reinforced Wax Gasket with Plastic Horn	RNWG1	012181-825655	1.470	24	15
87760	Standard Wax Gasket w/Brass Closet Bolt Kit	RWG3	012181-877609	1.470	48	30
82552	Wax Gasket with Plastic Horn w/Brass Closet Bolt Kit	RWG4	012181-825525	1.470	24	18
82553	Jumbo Wax Gasket with 3.5" Brass Plated Bolt Kit	RWG5	012181-825532	1.470	48	32
82554	Wax Gasket with Plastic Horn w/ Brass Plated Closet Bolt Kit	RWG6	012181-825549	1.470	24	18
82559	Jumbo Wax Gasket with Horn & Double Nut Bolt Kit	RWG10	012181-825594	1.470	24	18
82561	Jumbo Wax Gasket with Horn	RWG2J	012181-825617	1.470	24	18
82560	Jumbo Wax Gasket	RWG1J	012181-825600	2.900	48	36



### CATEGORY 14

#### PEX Bend Supports NEW



- Provides versatile, rigid, 90-degree support for PEX tubing
- When snapped into PEX bend Support Bracket, offers a full 360-degree rotation with positive locking at 45 degree intervals
- Reduces noise and vibration
- Plastic material eliminates cutting or scratching of tubing
- For residential or commercial applications
- Provides versatile, rigid, 90-degree support for PEX tubing
- Fits 3/8" and 1/2" tubing
- Offers three installation options – mounting directly to stud or overhead joist, through stabilizer bar, or snapped into PEX Bend support bracket
- When snapped into PEX bend Support Bracket, offers a full 360-degree rotation with positive locking at 45 degree intervals

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86673	1/2" PEX Bend Support, Ceiling/Stud Mount	PBS2	012181-866733	0.120	50	11.9
86672	1/2" PEX Bend Support, Bar Mount	PBS1	012181-866726	0.120	100	23.8
86652	18" PEX Support Bar	PS18	012181-866528	0.120	50	210
86653	26" PEX Support Bar	PS26	012181-866535	0.120	50	210

#### Horizontal Run Stabilizer Bar Kits



- Insulators are available for horizontal runs of 1/2" or 3/4" tube
- Compatible with copper, CPVC, and PEX tubing
- Kits include a 20" or 26" stabilizer bar, 2 tube insulators and 4 nails
- Horizontal insulators are available in CPVC
- Impact-resistant to 0°F (-18°C) Max temp: 160°F (71°C) continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86694	20" Bar with Plastic Insulators for 1/2" CTS	S2012PH	012181-866948	0.390	50	15
86696	20" Bar with Plastic Insulators for 3/4" CTS	S2034PH	012181-866962	0.390	50	15
86698	26" Bar with Plastic Insulators for 1/2" CTS	S2612PH	012181-866986	0.500	50	19
86699	26" Bar with Plastic Insulators for 3/4" CTS	S2634PH	012181-866993	0.500	50	18

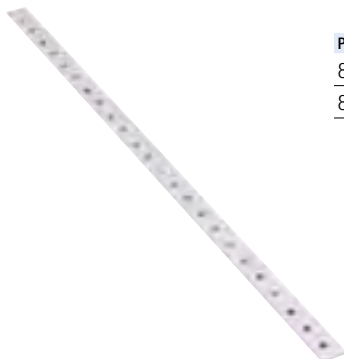
#### Vertical Run Stabilizer Bar Kits



- Insulators are available for vertical runs of 1/2" or 3/4" tube
- Compatible with copper, CPVC, and PEX tubing
- Kits include a 20" or 26" stabilizer bar, 2 tube insulators and 4 nails
- Vertical insulators are available in plastic only
- Impact-resistant to 0°F (-18°C) Max temp: 160°F (71°C) continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86701	20" Bar with Plastic Insulators for 1/2" CTS	S2012PV	012181-867013	0.390	50	15
86702	20" Bar with Plastic Insulators for 3/4" CTS	S2034PV	012181-867020	0.390	50	15
86703	26" Bar with Plastic Insulators for 1/2" CTS	S2612PV	012181-867037	0.500	50	19
86704	26" Bar with Plastic Insulators for 3/4" CTS	S2634PV	012181-867044	0.500	50	19

#### Stabilizer Bars



- Bars are available in 20" lengths for 16" stud bays & 26" lengths for 24" stud bays

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86650	20" Stabilizer Bar for 16" Stud Bays	S20	012181-866504	0.120	100	24
86655	26" Stabilizer Bar for 24" Stud Bays	S26	012181-866559	0.120	100	29

### Plastic Stabilizer Insulators

- Plastic insulators are available for vertical and horizontal tube runs
- Horizontal insulators fit ½" and ¾" tube
- Vertical insulators fit ½" or ¾" tube
- To be used with stabilizer bar
- Impact-resistant to 0°F (-18°C) Max temp: 160°F (71°C) continuous
- Stabilizers covered by one or more of the following U.S. Patents: 5,154,375; 5,236,158; 5,230,488; 5,267,710; 5,370,345



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86670	Plastic Horizontal Insulators for ½" CTS (50/Bag)	S12PH	012181-866702	0.350	200	3
86675	Plastic Horizontal Insulators for ¾" CTS (50/Bag)	S34PH	012181-866757	0.350	200	3
86685	Plastic Vertical Insulators for ½" CTS (50/Bag)	S12PV	012181-866856	0.350	200	3
86690	Plastic Vertical Insulators for ¾" CTS (50/Bag)	S34PV	012181-866900	0.350	200	3

### CPVC Stabilizer Insulators

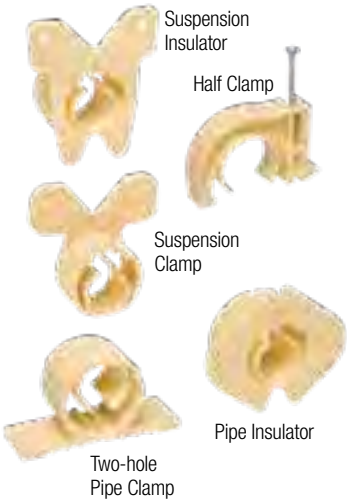
- CPVC insulators are available for horizontal tube runs only
- Do not use when water temp exceeds 160°F (71°C)
- To be used with stabilizer bar
- CPVC tubing can be cemented to ½" or ¾" CTS or CPVC insulators
- Horizontal insulators fit ½" and ¾" tube



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86664	Plastic Horizontal Insulators for ¾" CTS CPVC (50/Bag)	S34PHC	012181-866641	0.350	200	5

### CATEGORY 15

#### Combination Clamps NEW



- Plastic full clamp preloaded with nail
- Supports 1/2", 3/4" and 1" copper tube size
- Compatible with copper, CPVC and PEX tubing
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82864	Combination Half, Supports 1/2" & 3/4", with Preloaded Nail (100/Bag)	CH1234	012181-828649	1.186	1000	12.79
82865	Combination Half, Supports 3/4" IPS / 1.250" CTS, with Preloaded Nail (25/Bag)	CH34114	012181-828656	0.35617	100	3.31
82957	Combination Suspension, Supports 1/2" & 3/4" CTS (100/Bag)	CI31234	012181-829578	1.502	1000	12
82979	Combination Suspension/Insulator, Supports 1/2" & 3/4" CTS (50/Bag)	CI341234	012181-829790	1.19	500	9.7
83015	Combination Two Hole, Supports 1/2" & 3/4" CTS (100/Bag)	CC61234	012181-830154	1.7	1000	13
82972	Combination Pipe Insulator, Supports 1/2" & 3/4" CTS (50/Bag)	CI41234	012181-829721	1.19	500	9.48

#### Half Clamps



- Plastic half clamp preloaded with nail
- Supports copper and PEX tubing
- Not recommended for CPVC tubing
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
<span style="color: blue;">NEW</span> 82864	Combination, Supports 1/2" & 3/4", with Preloaded Nail (100/Bag)	CH1234	012181-828649	1.186	1000	12.79
<span style="color: blue;">NEW</span> 82865	Combination, Supports 3/4" IPS / 1.250" CTS, with Preloaded Nail (25/Bag)	CH34114	012181-828656	0.35617	100	3.31
82846	Supports 3/8" CTS, with Preloaded Nail (100/Bag)	H138	012181-828465	0.434	1000	9
82850	Supports 1/2" CTS, with Preloaded Nail (50/Bag)	H112	012181-828502	0.872	2000	22
82855	Supports 3/4" CTS, with Preloaded Nail (50/Bag)	H134	012181-828557	0.800	1000	14
82860	Supports 1" CTS, with Preloaded Nail (50/Bag)	H101	012181-828601	0.841	500	13
<b>Display Packs</b>						
82840	Supports 1/2" CTS, with Preloaded Nail (5/Bag)	RH112C	012181-828403	0.083	10	1
82845	Supports 3/4" CTS, with Preloaded Nail (5/Bag)	RH134C	012181-828458	0.083	10	1

#### Right Strap™ Multi-Functional Pipe Clamps



- Patent # 6,073,891
- Installs 3 ways – half clamp, full clamp or J-hook
- For all metal and plastic 1/2", 3/4" and 1" copper tube size materials
- Compatible with CPVC piping systems
- Factory-assembled for half-clamp installation
- Allows for expansion and contraction of supply tubing
- Greatly reduces the chance for noise common to overly restrictive systems
- No pinning, no binding, no complaints!

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
82852	Supports 1/2" CTS, with Preloaded Nail (50/Bag)	82852	012181-828526	1.080	2000	23
82854	Supports 3/4" CTS, with Preloaded Nail (50/Bag)	82854	012181-828540	0.851	1000	15
82856	Supports 1" CTS, with Preloaded Nail (50/Bag)	82856	012181-828564	0.790	500	12
<b>Display Packs</b>						
82841	Supports 1/2" CTS, with Preloaded Nail (5/Bag)	82841	012181-828410	0.083	10	1
82842	Supports 3/4" CTS, with Preloaded Nail (5/Bag)	82842	012181-828427	0.083	10	1

### Clamp-Tite Full Clamps

- Plastic full clamp preloaded with nail
- Supports ½", ¾" and 1" copper tube size
- Compatible with copper, CPVC and PEX tubing
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83795	Supports ½" CTS, with Preloaded Nail (100/Bag)	F212	012181-837955	0.841	1000	11
83800	Supports ¾" CTS, with Preloaded Nail (50/Bag)	F234	012181-838002	0.841	500	10
83805	Supports 1" CTS, with Preloaded Nail (25/Bag)	F201	012181-838057	0.841	250	7



### Full Clamps

- ½", ¾", 1" CTS with pre-loaded nails
- Isolates supply tubing from wood framing
- Impact-resistant to 0°F (-18°C)
- Maximum temp. 160°F continuous
- Compatible with copper, CPVC and PEX tubing

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83797	Supports ½" CTS, with Preloaded Nail (100/Bag)	F212LF	012181-837979		500	10
83798	Supports ¾" CTS, with Preloaded Nail (50/Bag)	F234LF	012181-837986		500	10
83799	Supports 1" CTS, with Preloaded Nail (25/Bag)	F201LF	012181-837993		250	5



### Single Shot® Insulating Suspension Clamps

- Pre-loaded nail
- Easy installation snaps onto any CTS pipe system to provide a hands free installation
- Reduces noise caused by expansion and contraction
- Compatible with copper, CPVC and PEX tubing
- Impact-resistant to 0°F (-18°C) Max Temp: 160°F continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82980	½" Single Shot Insulator with Preloaded Nail	SS512	0-12181-829806	2.12	2000	29
82981	¾" Single Shot Insulator with Preloaded Nail	SS534	0-12181-829833	1.66	1000	17
82982	1" Single Shot Insulator with Preloaded Nail	SS501	0-12181-829820	0.585	500	9



### Insulating Suspension Clamps

- Plastic insulating suspension clamp reduces noise from tubing expansion and contraction
- Supports copper, PEX and ideally isolates CPVC tubing from wood
- Impact-resistant to 0°F (-18°C) Max temp: 160°F (71°C) continuous
- Compatible with copper, CPVC and PEX tubing

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
<b>NEW</b> 82957	Combination, Supports ½" & ¾" CTS (100/Bag)	CI31234	012181-829578	1.502	1000	12
82951	Supports ½" CTS (50/Bag)	I312	012181-829516	1.807	2000	20
82955	Supports ¾" CTS (50/Bag)	I334	012181-829554	0.428	1000	12
82960	Supports 1" CTS (50/Bag)	I301	012181-829608	0.585	500	9
82961	Supports 1 ¼" CTS (50/Bag)	I314	012181-829615	0.998	250	7
82962	Supports 1 ½" CTS (25/Bag)	I315	012181-829622	2.006	250	9
82963	Supports 2" CTS (25/Bag)	I320	012181-829639	2.006	250	12



### CATEGORY 15

#### 2-Hole Pipe Clamps

- Plastic 2-hole pipe clamp reduces noise from tubing expansion and contraction
- Isolates CPVC tubing from wood
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous
- Compatible with copper, CPVC and PEX tubing

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
<b>NEW</b> 83015	Combination, Supports ½" & ¾" CTS (100/Bag)	CC61234	012181-830154	1.7	1000	13
83003	Supports ½" CTS (100/Bag)	C612	012181-830031	1.795	2000	21
83008	Supports ¾" CTS (100/Bag)	C634	012181-830086	1.802	1000	14
83010	Supports 1" CTS (50/Bag)	C601	012181-830109	0.998	500	11
83012	Supports 1 ¼" CTS (50/Bag)	C614	012181-830123	2.064	250	7
83013	Supports 1 ½" CTS (25/Bag)	C615	012181-830130	2.064	250	9
83014	Supports 2" CTS (25/Bag)	C620	012181-830147	1.644	250	13
<b>Display Packs</b>						
83000	Supports ½" CTS (5/Bag)	RC612C	012181-830000	0.112	10	1
83005	Supports ¾" CTS (5/Bag)	RC634C	012181-830055	0.112	10	1

#### Pipe Insulators

- Plastic pipe insulator reduces noise from tubing expansion and contraction
- Supports tubing from wood
- Fits 1 ⅜" hole
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous
- Compatible with copper, CPVC and PEX tubing

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
<b>NEW</b> 82972	Combination, Supports ½" & ¾" CTS (50/Bag)	CI41234	012181-829721	1.19	500	9.48
82965	Supports ½" CTS (25/Bag)	I412	012181-829653	2.120	1000	24
82970	Supports ¾" CTS (25/Bag)	I434	012181-829707	2.120	1000	18
82975	Supports 1" CTS (25/Bag)	I401	012181-829752	3.207	1000	16
<b>Display Packs</b>						
82966	Supports ½" CTS (5/Bag)	RI 412C	012181-829660	0.205	10	1
82971	Supports ¾" CTS (5/Bag)	RI 434C	012181-829714	0.372	10	1

#### Long Pattern Pipe Insulators

- Long Pattern insulators isolates supply tube from wood
- Compatible with copper, CPVC and PEX tubing
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82967	½" Long Pattern Insulator/Gray/25 bag	82967	012181-829677	3.207	1000	34
82968	¾" Long Pattern Insulator/Gray/25 bag	82968	012181-829684	3.207	1000	26

#### Combination Suspension/Insulator Clamp **NEW**

- Fits two sizes of pipe
- Fits CTS copper, CPVC and PEX tubing
- Impact resistant to 0°F (-18°C), max temp: 160°F continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82979	Combination, Supports ½" & ¾" CTS (50/Bag)	CI1341234	012181-829790	1.19	500	9.7

### Metal Stud Insulators

- For use in metal studs and galvanized super-tight brackets
- Plastic pipe insulator reduces noise from tubing expansion and contraction
- Impact-resistant to 0°F (-18°C) Max temp: 160°F continuous
- Supports copper, CPVC and PEX, tubing through metal studs
- Fits 1 11/32" hole

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
89148	Supports 3/8", 1/2", 3/4" CTS (50/Bag)	MSI1	012181-891483	0.650	500	5
89150	Supports 1/2" CTS (100/Bag)	MSI3	012181-891506	1.076	1000	8
89151	Supports 3/4" CTS (100/Bag)	MSI4	012181-891513	1.076	1000	8
89152	Supports 1" CTS (50/Bag)	MSI5	012181-891520	0.646	500	3



### Metal Stud Insulators For CPVC Piping

- CPVC Pipe can be cemented to insulator
- Isolates supply tubing from metal studs
- Impact-resistant to 0°F (-18°C) Max Temp: 160°F (71°C) continuous
- Plastic metal stud insulators
- Compatible with CPVC pipe
- Fits 1 11/32" hole

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
89158	Supports 1/2" CTS (100/Bag)	MSI6	012181-891582	0.390	200	2
89161	Supports 3/4" CTS (100/Bag)	MSI7	012181-891612	0.390	200	2



### Metal Stud Insulators For DWV Piping

- Plastic metal stud insulators for DWV piping
- Isolates DWV piping from metal studs
- Impact-resistant to 0°F (-18°C) Max Temp: 160°F (71°C) continuous

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
89165	Supports 1 1/2" DWV in metal studs (25 per bag)	MSI15	012181-891650	1.8	500	12
89166	Supports 2" DWV in metal studs (25 per bag)	MSI20	012181-891667	1.8	500	8



### Metal Stud Punch

- Lightweight, high-strength
- Non-slip rubber grips

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
89160	Punch, Offset head, 1 1/2" hole in up to 22ga; for 1/2" through 1" CTS Metal Stud Insulators	MSP1	012181-891605	0.244	1	8
89164	Punch Offset head, for 1 1/2" and 2" DWV Metal Stud Insulators	MSP2	012181-891643	0.244	1	8



### CATEGORY 16

### Plastic Hanger Strapping



- Flexible, non-conductive, non-abrasive
- Can be cut with shears, snips or utility knife
- 3/4" wide, .050 thick with 1/8" holes spaced 3/4" apart
- Supports 25 lb. per section at 4-foot intervals

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83030	10' Roll x 3/4" (50 mil., 125 lb. Test)	RHS10	012181-830307	0.713	20	4
83035	25' Roll x 3/4" (50 mil., 125 lb. Test)	RHS25	012181-830352	0.507	20	8
83025	100' Roll x 3/4" (50 mil., 125 lb. Test)	HS1	012181-830253	1.644	20	30

### Galvanized Metal Hanger Strapping



- 24- & 28-gauge rolls
- 3/4" rolls in 10' lengths

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
84025	10' Roll x 3/4" (28-gauge)	RGS7	012181-840252	0.210	50	17
84030	10' Roll x 3/4" (24-gauge)	RGS8	012181-840306	0.210	50	25

### DWV ABS Hang-Tite™ Pipe Holders



- New I-beam construction so shaft will not flex
- 3/4" snap lock saddle on 1 1/2" – 4" Hang-Tites
- Saddle wrap around exceeds 75% of pipe circumference to eliminate popouts
- Allows for expansion & contraction
- Nails attached to top of J-Hooks
- Nail holes spaced 1" apart on both sides of I-beam shaft
- High-impact-resistant ABS material
- For PVC or ABS schedule 40 DWV pipe
- Hang-Tite™ Extension available

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>White</b>						
93140	1/2" CTS/5" Shank (25/Bag, w/Nails)	93140	012181-931400	1.600	200	10
93142	3/4" CTS/5" Shank (25/Bag, w/Nails)	93142	012181-931424	1.674	200	10
93144	1" CTS/5" Shank (25/Bag, w/Nails)	93144	012181-931448	1.674	200	10
93145	1 1/4" CTS/5" Shank (25/Bag, w/Nails)	93145	012181-931455	1.674	200	11
93150	1 1/2" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93150	012181-931509	1.532	200	18
93155	2" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93155	012181-931554	1.704	200	22
93160	3" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93160	012181-931608	2.145	200	28
93161	3" Sch. 30 DWV/8" Shank 25 per bag w/nails attached	93161	012181-931615	2.145	200	28
93165	4" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93165	012181-931653	1.704	100	18
<b>Black</b>						
93166	1 1/2" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93166	012181-931660	1.532	200	18
93167	2" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93167	012181-931677	1.704	200	22
93168	3" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93168	012181-931684	2.145	200	28
93169	4" Sch. 40 DWV/8" Shank 25 per bag w/nails attached	93169	012181-931691	1.704	100	18

### Metal DWV Hanger without Plastic Sleeve



- Secures 1 1/2" – 4" DWV piping
- Galvanized, uncoated
- 3/4" width
- Minimum 12" stem length

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82830	1 1/2" Galvanized DWV hanger uncoated, 3/4" width	MH321	012181-828304	1.6	50	12
82831	2" Galvanized DWV hanger uncoated, 3/4" width	MH322	012181-828311	1.6	50	13
82832	3" Galvanized DWV hanger uncoated, 3/4" width	MH323	012181-828328	1.6	50	15
82833	4" Galvanized DWV hanger uncoated, 3/4" width	MH324	012181-828335	1.6	50	16



### Metal DWV Hanger with Plastic Sleeve

- Secures 1 1/2" – 4" DWV piping
- Galvanized
- 3/4" width
- Minimum 12" stem length
- Plastic sleeve provides additional pipe protection



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82834	1 1/2" Galvanized DWV hanger with plastic sleeve, 3/4" width	MH421	012181-828342	1.6	50	12
82835	2" Galvanized DWV hanger with plastic sleeve, 3/4" width	MH422	012181-828359	1.6	50	13
82836	3" Galvanized DWV hanger with plastic sleeve, 3/4" width	MH423	012181-828366	1.6	50	15
82837	4" Galvanized DWV hanger with plastic sleeve, 3/4" width	MH424	012181-828373	1.6	50	16

### Vinyl Coated J-Hooks

- Vinyl coating on heavy-duty 12-gauge, copper-plated, flat galvanized
- A self-nailer for fastening 1/2" & 3/4" tubing
- Corrosion-resistant



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83100	Copper-plated 12 Ga. Galvanized for 1/2" & 3/4" CTS	RVCJH	012181-831007	0.076	100	2

### Copper Clad Wire Pipe Hangers

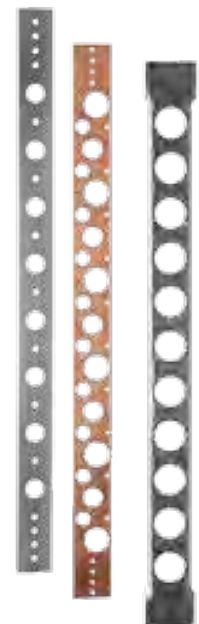
- Copper-clad for corrosion resistance
- Self-nailing
- Heavy-gauge wire construction for suspending copper & CPVC tubing



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83130	6" Suspension for 1/2" CTS (12/Bag)	RCPH12	012181-831304	1.215	144	1
83135	6" Suspension for 3/4" CTS (12/Bag)	RCPH34	012181-831359	0.614	144	1

### Sure-Tite™ Support Brackets

- Sure-Tite™ copper-plated brackets are available in two lengths, 20" & 26", for use in residential or commercial applications
- Can be nailed or screwed to wood or metal studs
- For use on lavatories, toilets, hose bibs, water heater or any water supply penetrating a wall
- Brackets available with several hole patterns depending on your need
- Simple installation, just nail bracket in place and solder the pipe to bracket
- Reduce cost in the field, less expense than fabricating brackets or cutting wood blocks
- Rigid installation



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86618	20" Copper-plated w/1/2" holes/16-gauge	86618	012181-866184	0.143	50	18
86626	26" Copper-plated w/1/2" holes/16-gauge	86626	012181-866269	0.186	50	28
86619	20" Copper-plated w/1/2" extruded holes/16-gauge	86619	012181-866191	0.143	25	10
86718	20" Copper-plated w/1/2", 3/4" & 1" holes/16-gauge	86718	012181-867181	0.143	50	21
86726	26" Copper-plated w/1/2", 3/4" & 1" holes/16-gauge	86726	012181-867266	0.186	50	26
86614	18" Copper-plated w/1/2" snap-in, 3/4" & 1" holes/16-gauge	86614	012181-866148	0.143	50	24
86832	18" Galvanized w/1-11/32" holes for MSI insulators/20-gauge	86832	012181-868324	0.143	50	20
86632	26" Galvanized w/1-11/32" holes for MSI insulators/20-gauge	86632	012181-866320	0.186	50	32
86611	Copper-plated Carrier w/extruded hole/16-gauge	86611	012181-866115	0.282	50	18

### CATEGORY 17

#### Plastic Water Heater Pans, PVC Drain Connection



- Circular pans recommended for electric water heater protection
- PVC drain adapter fits over 1" PVC or inside 1 1/2" PVC pipe
- 2" clearance around diameter of heater pan recommended
- 2 1/2" deep
- 1-piece construction
- Furnished with PVC drain kit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86970	18" ID x 20" OD Pan, 1" x 1 1/2" PVC Drain Conn.	86970	012181-869703	3.470	20	18
86975	20" ID x 22" OD Pan, 1" x 1 1/2" PVC Drain Conn.	HP2022	012181-869758	3.470	20	21
86980	22" ID x 24" OD Pan, 1" x 1 1/2" PVC Drain Conn.	HP2224	012181-869802	3.470	20	24
86985	24" ID x 26" OD Pan, 1" x 1 1/2" PVC Drain Conn.	HP2426	012181-869857	4.080	20	28
86990	26" ID x 28" OD Pan, 1" x 1 1/2" PVC Drain Conn.	HP2628	012181-869901	3.100	10	17
86997	28" ID x 30" OD Pan, 1" x 1 1/2" PVC Drain Conn.	HP2830	012181-869970	2.910	5	11
86995	30" ID x 32" OD Pan, 1" x 1 1/2" PVC Drain Conn.	HP3032	012181-869956	2.910	5	11

#### Plastic Water Heater Pans, CPVC Drain Connection



- Circular pans recommended for electric water heater protection
- CPVC adapter fits 1" CPVC pipe
- 2" clearance around diameter of heater pan recommended
- 2 1/2" deep
- 1-piece construction
- Furnished with 1" CPVC drain kit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86979	20" ID x 22" OD Pan, 1" CPVC Drain Conn.	HP2022C	012181-869796	3.470	20	21
86984	22" ID x 24" OD Pan, 1" CPVC Drain Conn.	HP2224C	012181-869840	3.470	20	24
86989	24" ID x 26" OD Pan, 1" CPVC Drain Conn.	HP2426C	012181-869895	4.080	20	28
86994	26" ID x 28" OD Pan, 1" CPVC Drain Conn.	HP2628C	012181-869949	3.100	10	16
86998	30" ID x 32" OD Pan, 1" CPVC Drain Conn.	HP3032C	012181-869987	2.910	5	12

#### Plastic Water Heater Pans, PVC Drain Connection, No Hole



- Circular pans recommended for electric water heater protection
- 2" clearance around diameter of heater pan recommended
- 2 1/2" deep
- 1-piece construction
- Furnished with PVC drain kit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86976	20" ID x 22" OD Pan Undrilled, 1" x 1 1/2" PVC Drain Connection	HP2022NH	012181-869765	3.470	20	20
86981	22" ID x 24" OD Pan Undrilled, 1" x 1 1/2" PVC Drain Connection	HP2224NH	012181-869819	3.470	20	24
86986	24" ID x 26" OD Pan Undrilled, 1" x 1 1/2" PVC Drain Connection	HP2426NH	012181-869864	4.080	20	27
86991	26" ID x 28" OD Pan Undrilled, 1" x 1 1/2" PVC Drain Connection	HP2628NH	012181-869918	3.100	10	17
86996	30" ID x 32" OD Pan Undrilled, 1" x 1 1/2" PVC Drain Connection	HP3032NH	012181-869963	2.910	5	12

### Aluminum Water Heater Pans, PVC Drain Connection

- Durable .032 mil. aluminum circular pans recommended for gas water heater protection
- Drain adapter fits over 1" and inside 1½" PVC pipe
- 2" clearance around diameter of heater pan recommended
- 2 ½" deep
- Will not rust
- Pre-drilled with drain kit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87030	18" ID x 20" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP18203	012181-870303	1.430	10	15
87000	20" ID x 22" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP2022	012181-870006	1.466	10	16
87003	22" ID x 24" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP2224	012181-870037	1.484	10	20
87006	24" ID x 26" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP2426	012181-870068	2.155	10	23
87010	26" ID x 28" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP2628	012181-870105	2.155	10	26
87031	28" ID x 30" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP2830	012181-870310	2.222	5	15
87013	30" ID x 32" OD Pan, 1" x 1 ½" PVC Drain Conx.	AHP3032	012181-870136	2.222	5	18



### Aluminum Water Heater Pans, CPVC Drain Connection

- Durable .032 mil. aluminum circular pans recommended for gas water heater protection
- Drain adapter fits 1" CPVC pipe
- 2" clearance around diameter of heater pan recommended
- 2 ½" deep
- Will not rust
- Furnished with 1" CPVC drain kit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87002	20" ID x 22" OD Pan, 1" CPVC Drain Conx.	AHP2022C	012181-870020	1.466	10	16
87005	22" ID x 24" OD Pan, 1" CPVC Drain Conx.	AHP2224C	012181-870051	1.484	10	20
87008	24" ID x 26" OD Pan, 1" CPVC Drain Conx.	AHP2426C	012181-870082	2.155	10	23
87012	26" ID x 28" OD Pan, 1" CPVC Drain Conx.	AHP2628C	012181-870129	2.155	10	25
87033	28" ID x 30" OD Pan Pre-drilled, 1" CPVC Drain Conx.	AHP2830C	012181-870334	2.222	5	17
87014	30" ID x 32" OD Pan, 1" CPVC Drain Conx.	AHP3032C	012181-870143	2.222	5	17



### Aluminum Water Heater Pans, PVC Drain Connection, No Hole

- Durable .032 mil. aluminum circular pans recommended for gas water heater protection
- Drain adapter fits over 1" and inside 1½" PVC pipe
- 2" clearance around diameter of heater pan recommended
- 2 ½" deep
- Will not rust
- Furnished with drain kit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87001	20" ID x 22" OD Pan, 1" PVC Drain Conx./No Hole	AHP2022NH	012181-870013	1.466	10	15
87004	22" ID x 24" OD Pan, 1" PVC Drain Conx./No Hole	AHP2224NH	012181-870044	1.484	10	18
87007	24" ID x 26" OD Pan, 1" PVC Drain Conx./No Hole	AHP2426NH	012181-870075	2.155	10	21
87011	26" ID x 28" OD Pan, 1" PVC Drain Conx./No Hole	AHP2628NH	012181-870112	2.155	10	24
87015	30" ID x 32" OD Pan, 1" PVC Drain Conx./No Hole	AHP3032NH	012181-870150	2.222	5	17



### CATEGORY 17

#### Water Heater Stand



- Durable galvanized steel stand recommended for 30 – 50 gal. capacity gas water heater protection
- Easy screw & nut assembly

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83180	18-Gauge 21" x 21" x 18" Stand (650# Weight Limit)	WHS1	012181-831805	0.615	1	15
83181	16-Gauge 24" x 24" x 18" Stand (1300# Weight Limit)	WHS2	012181-831816	1.626	1	20

#### Plastic Washing Machine Pans



- 1" PVC drain connection included
- Provides protection from washing machine overflow or hose failure
- High-impact plastic – will not rust
- Pan not drilled
- 1" to 2" clearance around diameter of pan recommended

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83200	27" x 29" ID/27 1/2" x 29 1/2" Top OD Pan w/1" x 1 1/2" PVC Drain	WMP1	012181-832004	2.320	5	16
83202	28 1/4" x 28 1/4" ID/29 1/8" x 29 1/8" Top OD Pan w/1" x 1 1/2" PVC Drain	WMP2	012181-832028	2.320	5	16
83203	28" x 30" ID/31 x 33 Top OD Pan w/1" x 1 1/2" PVC Drain	WMP3	012181-832035	2.930	5	16
83204	28 1/4" x 28 1/4" ID/29 1/8" x 29 1/8" Top OD Pan w/1" x 1 1/2" PVC Drain/ Bulk	WMP2B	012181-832042	skid	75	285
<b>NEW</b> 83205	29" x 34" ID/31" x 36" Top OD Pan w/ 1" x 1 1/2" PVC Drain	WMP4	012181-832059	3.0	5	17

#### Adapter Kit For All Plastic, Aluminum and Washing Machine Pans



- Can be used with aluminum or plastic water heater pans and washing machine pans
- PVC adapter fits over 1" and inside 1 1/2" PVC pipe
- Kit comes with adapter, rubber washer and lock nut
- Combination adapter is 1" x 1 1/2"

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88350	Combination 1" x 1 1/2" Male Adapter Drain Kit	HHPAK	012181-883501	0.010	5	1
89074	Combination 1" x 1 1/2" Male Adapter Drain Kit, CPVC	HHPAKC	012181-890745	0.01	5	1

## Bathtub Protectors

- Corrugated bed design for optimum protection

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83250	Standard Protector for 14" or 16" Deep Tubs (60" x 30")	TP1	012181-832509	24.720	35	71
83252	Standard Protector for 14" or 16" Deep Tubs (60" x 30")/Bulk pack on skid	TP1B	012181-832523	-	210	521
83255	Oval Protector for 16" Deep Tubs (60" x 42")	TP2	012181-832554	31.990	25	53
83253	Oval Protector for 16" Deep Tubs (60" x 42")/Bulk pack on skid	TP2B	012181-832530	-	200	412



## Tub Boxes

- Plastic forms that create access for tub trap and drain in slab foundation. No concrete to chisel. Simply invert box over drain rough, pour slab and cut out box bottom prior to tub installation
- Creates access for tub trap & drain in slab foundation

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83301	Large 7" Deep Box (13" x 13" Top OD)	TX1	012181-833018	2.890	20	21
83300	Small 6 1/2" Deep Box (12" x 8 1/2" Top OD)	TX2	012181-833001	2.190	20	17
83302	Heavy Duty 7 3/4" Deep Box (14 1/2" x 14 1/2" Top OD) Injection Molded, High Impact Plastic with Pipe Knockouts Compatible with 1 1/2" and 2" Pipe. Bottom Panel Scored for Easy Breakout.	TX3	012181-833025	5.035	5 Pair	18



## Circular Valve Boxes

- Durable plastic construction
- Cover has snap-lock & lift-hold

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83350	Small 6" Diameter Top OD w/Green Snap-in Lid	VB1	012181-833506	5.360	36	45
83355	Large 10" Diameter Top OD w/Green Snap-in Lid	VB2	012181-833551	-	1	3



## Rectangular Meter Boxes

- High-impact plastic construction
- Cover has snap-lock & lift-hold

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83360	10" Box (12" x 10" Top OD) w/Green Snap-in Lid	VB3	012181-833605	-	1	5
83365	12" Standard Box (17 3/4" x 12 1/2" Top OD) w/Green Snap-in Lid	VB4	012181-833650	-	1	9
83366	6" Extension for 12" Standard Boxes	VB4X	012181-833667	-	1	3
83367	12" Jumbo Box (20 1/2" x 14 1/2" Top OD) w/Green Snap-in Lid	VB5	012181-833674	-	1	14
83369	6" Extension for Jumbo Meter Boxes	VB5X	012181-833698	-	1	5



### CATEGORY 19

#### Stud Guards and FHA Plates



- Self-anchoring galvanized steel plates (18-gauge)
- Prevents damage to piping & wiring from wallboard nails
- Fast & easy installation

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
84005	1 ½" x 3" Galvanized Steel Stud Guard	RSG13	012181-840054	0.183	100	5
84010	1 ½" x 5" Galvanized Steel Stud Guard	RSG15	012181-840108	0.274	100	8
84000	1 ½" x 9" Galvanized Steel FHA Plate	RFHA1	012181-840009	0.141	100	13

#### Pipe Sleeving



- Protects supply tubing in slab foundation
- Color coded – red for hot; blue for cold
- Available in .004, .006, .010 and .025 thickness

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83405	Red .004 for ½" – 1" Tubing (200' Roll)	WTSR4	012181-834053	1.936	20	53
83407	Blue .004 for ½" – 1" Tubing (200' Roll)	WTSB4	012181-834077	1.936	20	42
83400	Red .006 for ½" – 1" Tubing (200' Roll)	WTSR	012181-834008	1.936	20	51
83404	Blue .006 for ½" – 1" Tubing (200' Roll)	WTSB	012181-834048	1.936	20	46
83409	Red .010 for ½" – 1" Tubing (100' Roll)	WTSR10	012181-834091	1.936	20	44
83410	Blue .010 for ½" – 1" Tubing (100' Roll)	WTSB10	012181-834107	1.936	20	49
83411	Black .006 for 1 ¼" – 2" Tubing (200' Roll)	WTSBK	012181-834114	1.936	10	42
83412*	Red .025 Heavy Duty PVC for ½" – ¾" Tubing (50' Roll)	WTSR2734	012181-834121	0.291	1	5
83413*	Blue .025 Heavy Duty PVC for ½" – ¾" Tubing (50' Roll)	WTSB2734	012181-834138	0.291	1	5
83414*	Red .025 Heavy Duty PVC for 1" Tubing (50' Roll)	WTSR2710	012181-834145	0.291	1	6

\* PVC Pipe Sleeving is NOT recommended for use with CPVC tubing

83416	Red .025 Ultra-Flex Heavy for ½" – 1" Tubing (100' Roll)	83416	012181-834169	0.494	1	3
83417	Blue .025 Ultra-Flex Heavy for ½" – 1" Tubing (100' Roll)	83417	012181-834176	0.494	1	7
83418	Red .025 Ultra-Flex Heavy for ½" – 1" Tubing (50' Roll)	83418	012181-834183	0.190	1	4
83419	Blue .025 Ultra-Flex Heavy for ½" – 1" Tubing (50' Roll)	83419	012181-834190	0.190	1	4

Ultra-Flex Heavy 25 mil. Pipe Sleeving is ideal for both CPVC and Copper Piping Systems. Not intended for PEX

#### Duro-Flex Professional Knee Pads



- Durable, waterproof shells with unique flexible accordion-fold tops that conform to the knee's position
- Closed cell foam inner linings cushion knees from extreme shock and pressure
- Double gum rubber straps adjust quickly for a non-binding exact fit

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88504	Non-Skid Sure-Grip Soft Shell Knee Pads (1 Pair)	KP1	012181-885048	1.660	12 Pr.	17
88505	Smooth/Rigid Nylon Hard Shell Knee Pads (1 Pair)	KP2	012181-885055	1.999	12 Pr.	22
88506	Double Gum Rubber Knee Pad Replacement Straps (4/Set)	KPRS	012181-885062	3.099	12 Sets	3

## Shower Pan Liner

- 40 mil thick, gray
- No underlay mount required – may be glued directly to drain for positive seal
- Meets ASTM D-4551
- Meets FHA & HUD requirements for shower pan



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83440	40 mil. Membrane 4' x 50' (200 Sq. Ft.)	P445	012181-834404	1.693	1 Roll	60
83445	40 mil. Membrane 5' x 40' (200 Sq. Ft.)	P454	012181-834459	1.937	1 Roll	60
83446	40 mil. Membrane 6' x 50' (300 Sq. Ft.)	P465	012181-834466	2.752	1 Roll	90
83447	40 mil. Membrane 4' x 100' (400 Sq. Ft.)	P441	012181-834473	2.936	1 Roll	100
83448	40 mil. Membrane 5' x 100' (500 Sq. Ft.)	P451	012181-834480	4.010	1 Roll	120
83449	40 mil. Membrane 6' x 100' (600 Sq. Ft.)	P461	012181-834497	4.129	1 Roll	175
83450	6' X 6' Shower Pan Liner	P466K	012181-834503	0.760	1	12

### 40 Mil. PVC Shower Dam Corners

85530	40 mil. PVC Shower Dam Corners (1 Pr./Bag)	SDC1	012181-855300	0.269	20 Pr.	3
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### PVC Liner Cement

10835 <sup>†</sup>	PVC Shower Pan Liner Solvent Cement (1 Pint)	106600031	012181-108352	0.360	12	15
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<sup>†</sup> Product Category #1 – Cements, Primers & Cleaners

### CATEGORY 21

### Hard Plastic Base Roof Flashings



- Thermoplastic hard base with elastomer collar
- Approved for type "B" installations
- Collar fits any roof pitch to 45°
- 18" x 18" available for code required areas
- Tested for ultraviolet, ozone and weather resistance
- Elastomer collar heat tested to 180°F

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard</b>						
81750	9 1/4" x 13" Base for 1 1/4" or 1 1/2" Vent Pipe	HB1	012181-817506	1.380	20	8
81751	11 1/8" x 15" Base for 1 1/4" or 1 1/2" Vent Pipe	HB1LB	012181-817513	1.080	20	12
81755	9 1/4" x 13" Base for 2" Vent Pipe	HB2	012181-817551	1.380	20	8
81756	11 1/8" x 15" Base for 2" Vent Pipe	HB2LB	012181-817568	1.080	20	12
81760	11 1/8" x 15" Base for 3" Vent Pipe	HB3	012181-817605	1.080	20	11
81765	12" x 15 1/2" Base for 4" Vent Pipe	HB4	012181-817650	1.080	20	13
<b>18" x 18"</b>						
81931	18" x 18" Base for 1 1/4" or 1 1/2" Vent Pipe	HB118	012181-819319	1.430	10	11
81932	18" x 18" Base for 2" Vent Pipe	HB218	012181-819326	1.430	10	11
81933	18" x 18" Base for 3" Vent Pipe	HB318	012181-819333	1.430	10	11
81936	18" x 18" Base for 1 1/4", 1 1/2", 2" and 3" Vent Pipe	HB3118	012181-819364	1.430	10	11

### Standard All Flexible Roof Flashings



- Tested for ultraviolet, ozone and weather resistance
- Fits any roof pitch to 45°
- Approved for Type "B" installations
- Elastomer collar heat tested to 180°F

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81800	9" x 11-3/8" Base for 1 1/4" or 1 1/2" Vent Pipe	FB1	012181-818008	0.300	20	11
81805	9" x 11-3/8" Base for 2" Vent Pipe	FB2	012181-818053	0.300	20	10
81810	10" x 13 1/4" Base for 3" Vent Pipe	FB3	012181-818101	0.460	20	13
81815	12" x 14 3/4" Base for 4" Vent Pipe	FB4	012181-818152	0.750	20	19

### Standard Galvanized Steel Base Roof Flashings



- 24-gauge galvanized base with elastomer collar
- Fits any roof pitch to 45°
- Approved for Type "B" installations
- Elastomer collar heat tested to 180°F
- Tested for ultraviolet, ozone and weather resistance

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard</b>						
81850	8 3/4" x 12 1/2" Base for 1 1/4" or 1 1/2" Vent Pipe	GB1	012181-818503	1.270	20	19
81855	8 3/4" x 12 1/2" Base for 2" Vent Pipe	GB2	012181-818558	1.270	20	18
81860	10 3/4" x 14 1/2" Base for 3" Vent Pipe	GB3	012181-818602	1.780	20	26
81865	12" x 16" Base for 4" Vent Pipe	GB4	012181-818657	1.660	20	29
81870	8 3/4" x 12 1/2" Base for 1/2", 3/4" or 1" Tubing	GB5	012181-818701	1.270	20	26
<b>18" x 18"</b>						
81872	18" x 18" Base for 1 1/4" or 1 1/2" Vent Pipe	GB118	012181-818725	2.590	15	34
81874	18" x 18" Base for 2" Vent Pipe	GB218	012181-818749	2.590	15	34
81876	18" x 18" Base for 3" Vent Pipe	GB318	012181-818763	2.590	15	35
81878	18" x 18" Base for 4" Vent Pipe	GB418	012181-818787	2.590	15	35
81879	18" x 18" Base for 1/2", 3/4" or 1" Tubing	GB518	012181-818794	2.590	15	34

Custom powder-coated colored flashings available, call customer service for availability.

**Caution: Do not use Petroleum base mastics, sealing compounds or paints on collar portion of all flashings, on all hardbase, flexible or rain collars.**



### Standard Aluminum Base Roof Flashings

- Aluminum base with elastomer collar
- Approved for Type "B" installations
- Elastomer collar heat tested to 180°F
- Fits any roof pitch to 45°
- Tested for ultraviolet, ozone and weather resistance

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard</b>						
81900	8 3/4" x 12 1/2" Base for 1 1/4" or 1 1/2" Vent Pipe	AB1	012181-819005	1.180	20	9
81905	8 3/4" x 12 1/2" Base for 2" Vent Pipe	AB2	012181-819050	1.180	20	9
81910	10 3/4" x 14 1/2" Base for 3" Vent Pipe	AB3	012181-819104	1.080	20	13
81915	12" x 16" Base for 4" Vent Pipe	AB4	012181-819159	1.660	20	14
81916	8 3/4" x 12 1/2" Base for 1/2", 3/4" and 1" Tubing	AB5	012181-819166	1.180	20	20
<b>18" x 18"</b>						
81920	18" x 18" Base for 1 1/4" or 1 1/2" Vent Pipe	AB118	012181-819203	2.590	15	16
81925	18" x 18" Base for 2" Vent Pipe	AB218	012181-819258	2.590	15	17
81930	18" x 18" Base for 3" Vent Pipe	AB318	012181-819302	2.590	15	17
81935	18" x 18" Base for 4" Vent Pipe	AB418	012181-819357	2.560	15	16



### Adjustable 3 N 1® Hard Plastic Base Roof Flashings

- Adjustable multi-size flashing fits 1 1/4" – 3" and 3" – 4" vent pipe
- Tested for ultraviolet, ozone and weather resistance
- Elastomer collar heat tested to 180°F
- Fits any roof pitch to 45°
- Approved for type "B" installations

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81700	11 1/4" x 15" Base for 1 1/4", 1 1/2", 2" or 3" Vent Pipe	HB31	012181-817001	1.080	20	11
81702	12" x 15 1/2" Base for 3" or 4" Vent Pipe	HB34	012181-817025	1.080	20	13



### Adjustable 3 N 1® All Flexible Roof Flashings

- Adjustable multi-size flashing fits 1 1/4" – 3" and 3" – 4" vent pipe
- Tested for ultraviolet, ozone and weather resistance
- 100% flexible
- Elastomer collar heat tested to 180°F
- Fits any roof pitch to 45°
- Approved for type "B" installations

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81705	10" x 13 1/4" Base for 1 1/4", 1 1/2", 2" or 3" Vent Pipe	FB31	012181-817056	0.460	20	13
81707	12" x 14 3/4" Base for 3" or 4" Vent Pipe	FB34	012181-817070	0.750	20	19



### Adjustable 3 N 1® Galvanized Steel Base Roof Flashings

- 24-gauge galvanized base
- Adjustable multi-size flashing fits 1 1/4" – 3" and 3" – 4" vent pipe
- Tested for ultraviolet, ozone and weather resistance
- Elastomer collar heat tested to 180°F
- Fits any roof pitch to 45°
- Approved for type "B" installations

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81710	10 3/4" x 14 1/2" Base for 1 1/4", 1 1/2", 2" or 3" Vent Pipe	GB31	012181-817100	1.780	20	27
81713	18" x 18" Base for 1 1/4", 1 1/2", 2" or 3" Vent Pipe	GB3118	012181-817131	2.590	15	32
81723	1 1/4"/ 1 1/2", 2" or 3" Galvanized bent edge flashing	GB3118BE	012181-817230	2.590	10	22
81724	3" or 4" Galvanized bent edge flashing	GB3418BE	012181-817247	2.590	10	23
81712	12" x 16" Base for 3" or 4" Vent Pipe	GB34	012181-817124	1.660	20	29
81714	18" x 18" Base for 3" or 4" Vent Pipe	GB3418	012181-817148	2.590	15	34



Custom powder-coated colored flashings available, call customer service for availability.

**Caution: Do not use Petroleum base mastics, sealing compounds or paints on collar portion of all flashings, on all hardbase, flexible or rain collars.**

### CATEGORY 21

#### Adjustable 3 N 1® Aluminum Base Roof Flashings



- Adjustable multi-size flashing fits 1 ¼" – 3" and 3" – 4" vent pipe
- Tested for ultraviolet, ozone and weather resistance
- Elastomer collar heat tested to 180°F
- Fits any roof pitch to 45°
- Approved for type "B" installations

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81715	10 ¾" x 14 ½" Base for 1 ¼", 1 ½", 2" or 3" Vent Pipe	AB31	012181-817155	1.780	20	13
81718	18" x 18" Base for 1 ¼", 1 ½", 2" or 3" Vent Pipe	AB3118	012181-817186	2.590	15	17
81717	12" x 16" Base for 3" or 4" Vent Pipe	AB34	012181-817179	1.660	20	15
81719	18" x 18" Base for 3" or 4" Vent Pipe	AB3418	012181-817193	2.590	15	17

#### Adjustable 3 N 1® Copper Base Roof Flashings



- Adjustable multi-size flashing fits 1 ¼" – 3" and 3" – 4" vent pipe
- Tested for ultraviolet, ozone and weather resistance
- Elastomer collar heat tested to 180°F
- Fits any roof pitch to 45°
- Approved for type "B" installations

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81940	10 ¾" x 14 ½" Base for 1 ¼", 1 ½", 2" or 3" Vent Pipe	CB31	012181-819400	0.847	5	7
81941	12" x 16" Base for 3" or 4" Vent Pipe	CB34	012181-819415	0.915	5	8

#### Adjustable 3 N 1® Rain Collars



- Can be used to repair the elastomer sealing collar on all types of residential "no caulk" roof vent flashings quickly and easily
- Eliminates the need for a mastic or caulking type messy repair job
- Can be used to instantly repair a leak during a wet period, until the flashing can be replaced at a later time
- Large size covers the entire existing elastomer collar
- Fully tested for ultraviolet, ozone and weather resistance
- Individual sizes and multi-size adjustable models available
- Better appearance than a mastic repair job, which means a more satisfied customer

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81720	Collar for 1 ¼", 1 ½", 2" or 3" Vent Pipe	RC31	012181-817209	0.650	20	5
81722	Collar for 3" or 4" Vent Pipe	RC34	012181-817223	0.650	20	5

#### Standard Size Rain Collars



- Can be used to repair the elastomer sealing collar on all types of residential "no caulk" roof vent flashings quickly and easily
- Eliminates the need for a mastic or caulking type messy repair job
- Fully tested for ultraviolet, ozone and weather resistance
- Better appearance than a mastic repair job
- Can be used to instantly repair a leak during a wet period, until the flashing can be replaced at a later time
- Large size covers the entire existing elastomer collar
- For patching leaking no-caulk-style flashings
- Individual size and multi-size adjustable models available

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81725	Collar for 1 ½" Vent Pipe/25 bag	RC1	012181-817254	1.080	100	15
81730	Collar for 2" Vent Pipe/25 bag	RC2	012181-817308	1.080	100	15
81735	Collar for 3" Vent Pipe/25 bag	RC3	012181-817353	1.660	75	16
81740	Collar for 4" Vent Pipe/25 bag	RC4	012181-817407	1.660	75	16
81745	Collar for ½", ¾", 1" Vent Pipe/25 bag	RC5	012181-817452	1.080	100	16
81722	Collar for 3" or 4" Vent Pipe	RC34	012181-817223	0.650	20	5

Custom powder-coated colored flashings available, call customer service for availability.

**Caution: Do not use Petroleum base mastics, sealing compounds or paints on collar portion of all flashings, on all hardbase, flexible or rain collars.**

### Low-Profile Rain Collars

- For all metal style roof flashings
- Designed to fit all metal coned roof jacks/flashings 1"-4"
- Requires no mastic, caulking or taping for a total waterproof seal
- Low-profile size
- Manufactured using a special EPDM material with UV inhibitor
- Life of the roof system warranty

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81739	Low Profile Collar for 1" Vent Pipe (25 bag)	LPC1	012181-817391	0.356	100	10
81741	Low Profile Collar for 1 1/2" Vent Pipe (25 bag)	LPC15	012181-817414	0.356	100	9
81742	Low Profile Collar for 2" Vent Pipe (25 bag)	LPC2	012181-817421	0.356	100	11
81743	Low Profile Collar for 3" Vent Pipe (25 bag)	LPC3	012181-817438	0.868	100	14
81744	Low Profile Collar for 4" Vent Pipe (25 bag)	LPC4	012181-817445	1.040	100	18



### Specialty Solar Collars & Flashings

- Commercial & residential: water-tight seal for solar mounting system
- Requires no mastic, caulking or taping – mess free
- RCS1 Solar Collar is new and improved

NEW

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81950	Low Profile Solar Collar for 7/8" to 1"	RCS1	012181-819500	0.356	25	4
81870	8 3/4" x 12 1/2" Base for 1/2", 3/4" or 1" Tubing	GB5	012181-818701	1.270	20	26
81879	18" x 18" Base for 1/2", 3/4" or 1" Tubing	GB518	012181-818794	2.590	15	34
81916	8 3/4" x 12 1/2" Base for 1/2", 3/4" and 1" Tubing	AB5	012181-819166	1.180	20	20
81937	18" x 18" Base for 5" Vent Pipe	AB518	012181-819371	2.590	15	17



### Electrical Mast Roof Flashing

- Simplifies replacement of deteriorating flashings around electrical masts on shingle roofing
- Split-boot design
- Constructed of durable EPDM rubber
- Flashing base is reinforced with strong, rigid galvanized mesh
- 20-year warranty
- Manufactured in an ISO9001 registered factory

NEW

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81746	Electrical Mast Retrofit Roof Flashing, 0 to 3 3/4"	EFB1	012181-817469	15.365	15	17



### Adjustable Multi-Size Metal Roof Pipe Flashings

- Each flashing is adjustable to fit several pipe diameters – eight models to fit 1/4" through 13" pipe sizes
- Made of long life, flexible, weatherproof EPDM rubber
- Flexible, corrosion-resistant aluminum base ring conforms to any roof panel configuration
- One-piece construction for easy installation
- UV- and ozone-resistant EPDM rubber won't crack
- Clearly marked pipe diameters ensure a tight accurate fit
- Pleated cone adjusts to any roof pitch
- Continuous service temperature range of -65°F to 250°F

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
81820	1/4" – 2" EPDM Roof Flashing	81820	012181-818206	0.128	10	2
81821	1 3/4" – 3 1/4" EPDM Roof Flashing	81821	012181-818213	0.222	10	4
81822	1/4" – 4" EPDM Roof Flashing	81822	012181-818220	0.266	10	5
81823	3" – 6" EPDM Roof Flashing	81823	012181-818237	0.456	10	9
81824	4" – 7" EPDM Roof Flashing	81824	012181-818244	0.640	5	5
81825	5" – 9" EPDM Roof Flashing	81825	012181-818251	1.002	5	9
81826	6" – 11" EPDM Roof Flashing	81826	012181-818268	1.374	5	11
81827	7" – 13" EPDM Roof Flashing	81827	012181-818275	1.529	5	12



Custom powder-coated colored flashings available, call customer service for availability.

Caution: Do not use Petroleum base mastics, sealing compounds or paints on collar portion of all flashings, on all hardbase, flexible or rain collars.



## 40+ years of field-tested reliability

For more than four decades now, Test-Tite® products have featured a full range of pneumatic and mechanical test plugs. Plumbers worldwide have come to rely on Test-Tite time- and field-tested plugs, turning to them for use in residential, commercial, and underground markets.

## Test plugs, tools, hoses and more

Test-Tite pneumatic plugs come with a three-year warranty and include the full plumbing line of Pressure Relief Test Plugs up to 15" in diameter. Test-Tite mechanical plugs feature the all new patented Mechanical Cleanout Test Plug, as well as the Flush Cleanout Repair Plugs. The full Test-Tite product line also includes test caps, hoses and accessories.



### CATEGORY 11

#### Pressure Relief Pneumatic Test Plug NEW



- Pressure relief automatically resets for each inflation
- Pressure relief has no moving parts to fail or malfunction
- Molded as one-piece with no seams or bonded parts
- Pressure relief exhausts out of the top of the plug not into test area
- Works in place of "standard" pneumatic plugs
- Internal pressure relief device releases pressure when plug exceeds maximum pressure levels
- 5 sealing ribs in the center portion of the plug for positive sealing
- Three-year limited warranty
- Patent #7,597,118

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83764	1¼"-1½" PR Test Plug Boxed	83764	012181-837641	0.098	6	2.1
83765	2" Pressure Relief Test Plug	83765	012181-837658	0.098	6	2.3
83766	3" Pressure Relief Test Plug	83766	012181-837665	0.207	6	3.2
83767	4" Pressure Relief Test Plug	83767	012181-837672	0.327	6	4.3
<b>Bulk Packs</b>						
83756	1¼"-1½" PR Test Plug Bulk	83756	012181-837566	0.143	12	3.1
83757	2" Pressure Relief Test Plug	83757	012181-837573	0.164	12	3.3
83758	3" Pressure Relief Test Plug	83758	012181-837580	0.334	12	5.8
83759	4" Pressure Relief Test Plug	83759	012181-837597	0.604	12	9.0

#### Standard Pneumatic Test Plugs



- Designed for testing or to temporarily stop the flow
- Each size is designed for one specific pipe size
- Can be used in a variety of fitting applications and are suitable for most pipe materials
- Conforms to irregular pipe shapes to seal effectively
- Manufactured from a durable natural rubber
- 5" and 6" diameter plugs come with a replaceable pressure relief valve and a 12" chain and a ring assembly
- 8" and larger plugs come with a replaceable pressure relief valve and an eyebolt for tethering
- Metal cap/core tool is also included

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83621	1 ¼" – 1 ½" Standard Pneumatic Test Plug	83621	012181-836217	0.098	6	2
83622	2" Standard Pneumatic Test Plug	83622	012181-836224	0.098	6	2
83623	3" Standard Pneumatic Test Plug	83623	012181-836231	0.207	6	3
83624	4" Standard Pneumatic Test Plug	83624	012181-836248	0.327	6	5
83625	5" Standard Pneumatic Test Plug w/ PR Valve	83625	012181-836255	0.103	1	2
83626	6" Standard Pneumatic Test Plug w/ PR Valve	83626	012181-836262	0.182	1	2
83628	8" Standard Pneumatic Test Plug w/ PR Valve	83628	012181-836286	0.319	1	5
83630	10" Standard Pneumatic Test Plug w/ PR Valve	83630	012181-836309	0.615	1	8
83632	12" Standard Pneumatic Test Plug w/ PR Valve	83632	012181-836323	0.980	1	11
83635	15" Standard Pneumatic Test Plug w/ PR Valve	83635	012181-836354	2.495	1	25
<b>Bulk Packs</b>						
83611	1 ¼" – 1 ½" Standard Pneumatic Test Plug	83611	012181-836118	0.143	12	3
83612	2" Standard Pneumatic Test Plug	83612	012181-836125	0.164	12	3
83613	3" Standard Pneumatic Test Plug	83613	012181-836132	0.334	12	6
83614	4" Standard Pneumatic Test Plug	83614	012181-836149	0.604	12	9

### Multi-Size Pneumatic Test Plugs

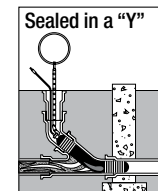
- Designed for the testing of pipelines or to temporarily stop the flow
- Can be used individually as a test plug or together with another plug for testing
- Each plug is designed for two or more pipe sizes
- Plugs are suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- 4"-6" diameter and smaller come with a 12" chain and a ring assembly attached to a molded inflation valve
- 4"-8" and larger plugs come with a replaceable pressure relief valve and an eyebolt for tethering
- Metal cap/core tool is also included



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83211	¾" – 1 ½" Multi-Size Standard Pneumatic Test Plug	83211	012181-832110	0.029	1	1
83212	1 ¼" – 2" Multi-Size Standard Pneumatic Test Plug	83212	012181-832127	0.120	6	3
83225	2" – 3" Multi-Size Standard Pneumatic Test Plug	83225	012181-832257	0.063	6	5
83234	3" – 4" Multi-Size Standard Pneumatic Test Plug	83234	012181-832349	0.560	6	5
83246	4" – 6" Multi-Size Standard Pneumatic Test Plug	83246	012181-832462	0.116	1	2
83248	4" – 8" Multi-Size Standard Pneumatic Test Plug w/ PR Valve	83248	012181-832486	0.130	1	4
83268	6" – 8" Multi-Size Standard Pneumatic Test Plug w/ PR Valve	83268	012181-832684	0.219	1	4
83261	6" – 10" Multi-Size Standard Pneumatic Test Plug w/ PR Valve	83261	012181-832615	0.221	1	5
83282	8" – 12" Multi-Size Standard Pneumatic Test Plug w/ PR Valve	83282	012181-832820	0.574	1	9
83216	10" – 16" Multi-Size Standard Pneumatic Test Plug w/ PR Valve	83216	012181-832165	1.056	1	12
83218	12" – 18" Multi-Size Standard Pneumatic Test Plug w/ PR Valve	83218	012181-832189	1.447	1	21
83633	12" – 24" Large Diameter Multi-Size Pneumatic Test Plug w/ PR Valve	83633	012181-836330	2.542	1	32

### Long Pneumatic Test Plugs

- Designed for the testing of pipelines or to temporarily stop the flow
- Designed to be used in a "Y" to block flow from the main sewer line
- Suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- Each size comes with a 24" chain and ring assembly attached to a pressure relief valve
- Also included with each plug is a 36" inflation hose

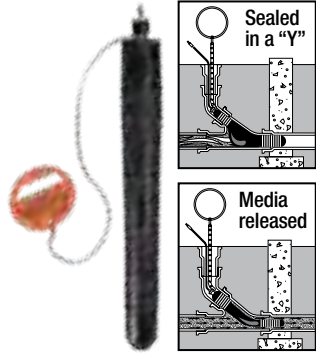


Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83642	2" Long Pneumatic Test Plug w/ PR Valve	83642	012181-836422	0.130	1	2
83643	3" Long Pneumatic Test Plug w/ PR Valve	83643	012181-836439	0.130	1	2
83644	4" Long Pneumatic Test Plug w/ PR Valve	83644	012181-836446	0.231	1	3
83646	4" – 6" Long Pneumatic Test Plug w/ PR Valve	83646	012181-836460	0.362	1	4
<b>Bulk Packs</b>						
83542	2" Long Pneumatic Test Plug w/ PR Valve	83542	012181-835425	0.500	6	12
83543	3" Long Pneumatic Test Plug w/ PR Valve	83543	012181-835432	0.833	6	12
83544	4" Long Pneumatic Test Plug w/ PR Valve	83544	012181-835449	1.000	6	18



### CATEGORY 11

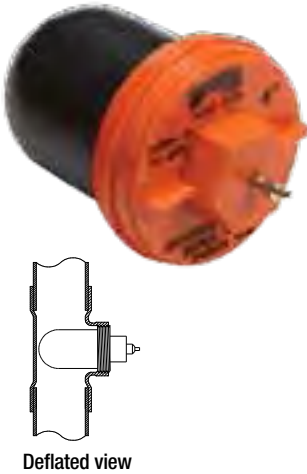
#### Multi-Size Dual Stage Long Pneumatic Test Plugs



- Designed for the testing of pipelines or to temporarily stop the flow
- Designed to be used in a "Y" to block flow from the main sewer line
- The multi-size dual-stage long is designed to release the test media before completely deflating and removing the plug
- Suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- Each size comes with a 24" chain and ring assembly attached to a pressure relief valve
- Also included with each plug is a 36" inflation hose

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83123	2" – 3" Multi-Size – Dual-Stage Long Pneumatic Test Plug w/ PR Valve	83123	012181-831236	0.130	1	1
83134	3" – 4" Multi-Size – Dual-Stage Long Pneumatic Test Plug w/ PR Valve	83134	012181-831342	0.231	1	3
83146	4" – 6" Multi-Size – Dual-Stage Long Pneumatic Test Plug w/ PR Valve	83146	012181-831465	0.362	1	4

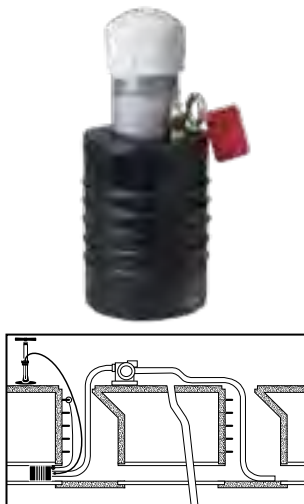
#### Pneumatic Cleanout Test Plugs



- Designed for the testing of plumbing pipelines above the cleanout tee
- Each size is designed for one specific pipe size
- Design of this plug will allow for passing of the test water or air by deflating the plug
- After deflation, the plug can be unscrewed from the test tee
- Manufactured from a durable natural rubber compound
- Each size comes with a molded-in inflation valve

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Packs</b>						
83651	1 ½" Cleanout Pneumatic Test Plug	83651	012181-836514	0.012	6	2
83652	2" Cleanout Pneumatic Test Plug	83652	012181-836521	0.155	6	3
83653	3" Cleanout Pneumatic Test Plug	83653	012181-836538	0.155	6	6
83654	4" Cleanout Pneumatic Test Plug	83654	012181-836545	0.184	6	9
<b>Bulk Packs</b>						
83661	1 ½" Cleanout Pneumatic Test Plug – Bulk Pack	83661	012181-836613	0.164	12	4
83662	2" Cleanout Pneumatic Test Plug – Bulk Pack	83662	012181-836620	0.334	12	6
83663	3" Cleanout Pneumatic Test Plug – Bulk Pack	83663	012181-836637	0.604	12	12
83664	4" Cleanout Pneumatic Test Plug – Bulk Pack	83664	012181-836644	1.000	12	18

#### Pneumatic Bypass Plugs



- Designed for the bypassing of water or sewage in pipelines or to temporarily stop the flow
- Can also be adapted to use in air testing of sewer lines
- Each plug is designed for one pipe size
- Plugs can be used in a variety of applications and are suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- Sizes 1½" through 5" come with a 12" chain and ring assembly
- Sizes 3" and larger come with a pressure relief valve
- Sizes 6" through 15" come with an eyebolt for connecting a rope or inflation/lift line

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83671	1 ½" Pneumatic Bypass Plug	83671	012181-836712	0.014	1	1
83672	2" Pneumatic Bypass Plug	83672	012181-836729	0.028	1	1
83673	3" Pneumatic Bypass Plug w/ PR Valve	83673	012181-836736	0.074	1	1
83674	4" Pneumatic Bypass Plug w/ PR Valve	83674	012181-836743	0.074	1	1
83675	5" Pneumatic Bypass Plug w/ PR Valve	83675	012181-836750	0.195	1	1
83676	6" Pneumatic Bypass Plug w/ PR Valve	83676	012181-836767	0.195	1	4
83678	8" Pneumatic Bypass Plug w/ PR Valve	83678	012181-836781	0.404	1	7
83680	10" Pneumatic Bypass Plug w/ PR Valve	83680	012181-836804	0.802	1	11
83682	12" Pneumatic Bypass Plug w/ PR Valve	83682	012181-836828	1.035	1	14
83685	15" Pneumatic Bypass Plug w/ PR Valve	83685	012181-836859	2.580	1	31



### Multi-Size Pneumatic Bypass Plugs

- Designed for the bypassing of water or sewage in pipelines or to temporarily stop the flow
- Can also be adapted to use in air testing of sewer lines
- Plugs can be used in a variety of applications and are suitable for many different pipe materials
- Each plug is designed for two or more pipe sizes
- Manufactured from a durable natural rubber compound
- Each plug comes with an eyebolt for connecting a rope or inflation/lift line and a pressure relief valve

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83748	4" – 8" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83748	012181-837481	0.139	1	4
83768	6" – 8" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83768	012181-837689	0.219	1	5
83761	6" – 10" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83761	012181-837610	0.404	1	7
83802	8" – 12" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83802	012181-838020	0.574	1	11
83816	10" – 16" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83816	012181-838167	1.157	1	12
83818	12" – 18" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83818	012181-838181	2.000	1	24
83824	12" – 24" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83824	012181-838242	2.583	1	33



### Large Multi-Size Pneumatic Bypass Plugs

- Designed for the bypassing of water or sewage in pipelines or to temporarily stop the flow
- Can also be adapted to use in air testing of sewer lines
- Each plug is designed for two or more pipe sizes
- Can be used in a variety of applications and are suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- Each plug comes with an eyebolt for connecting a rope or inflation/lift line and a 1/4" NPT replaceable inflation valve

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83860	15" – 30" Multi-Size Pneumatic Bypass Plug	83860	012181-838600	251.2	1	51
83861	20" – 36" Multi-Size Pneumatic Bypass Plug	83861	012181-838617	394.7	1	102
83865	24" – 48" Multi-Size Pneumatic Bypass Plug	83865	012181-828655	673.7	1	112
83869	36" – 60" Multi-Size Pneumatic Bypass Plug	83869	012181-838693	963.7	1	165
83877	48" – 72" Multi-Size Pneumatic Bypass Plug	83877	012181-838778	1595.0	1	360
83881	60" – 96" Multi-Size Pneumatic Bypass Plug	83881	012181-838815	2240.0	1	585
83824	12" – 24" Multi-Size Pneumatic Bypass Plug w/ PR Valve	83824	012181-838242	2.583	1	33



### CATEGORY 11

#### Multi-Size Pneumatic Front Air Test Plugs



- Designed for the testing of pipelines or to temporarily stop the flow
- Can be used individually as a test plug or together with another plug for testing
- Each plug is designed for two or more pipe sizes
- Plugs are suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- Sizes 12" through 24" and smaller come with pressure relief valve
- Each size comes with an eyebolt at each end for connecting directly to another Air Test Plug or to fasten a rope or inflation/lift line

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
84048	4" – 8" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	84048	012181-840481	52.5	1	4.3
84082	8" – 12" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	84082	012181-840825	150.6	1	9.2
84118	12" – 18" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	84118	012181-841181	530.4	1	22
84124	12" – 24" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	84124	012181-841242	944.9	1	33
84146	15" – 30" Multi-Size Pneumatic Front Air Test Plugs	84146	012181-841464	3453.5	1	51
84147	20" – 36" Multi-Size Pneumatic Front Air Test Plugs	84147	012181-841471	6314.6	1	85
84148	24" – 48" Multi-Size Pneumatic Front Air Test Plugs	84148	012181-841488	12642.0	1	112
84149	36" – 60" Multi-Size Pneumatic Front Air Test Plugs	84149	012181-841495	17346.0	1	150
84151	48" – 72" Multi-Size Pneumatic Front Air Test Plugs	84151	012181-841518	25578.0	1	350
84152	60" – 96" Multi-Size Pneumatic Front Air Test Plugs	84152	012181-841525	56466.0	1	575

#### Multi-Size Pneumatic Back Air Test Plugs



- Designed for the testing of pipelines or to temporarily stop the flow
- Can be used individually as a test plug or along with a Front Air Test Plug for testing
- Each plug is designed for two or more pipe sizes
- Plugs are suitable for many different pipe materials
- Manufactured from a durable natural rubber compound
- Sizes 12" through 24" and smaller come with pressure relief valve
- Each size comes with eyebolts at each end for connecting directly to another Air Test Plug or to fasten a rope or inflation/lift line

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83948	4" – 8" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	83948	012181-839485	52.5	1	3.3
83962	8" – 12" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	83962	012181-839621	150.6	1	8.2
83968	12" – 18" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	83968	012181-839683	530.4	1	21
83974	12" – 24" Multi-Size Pneumatic Front Air Test Plugs w/ PR Valve	83974	012181-839744	944.9	1	32
83975	15" – 30" Multi-Size Pneumatic Front Air Test Plugs	83975	012181-839751	3453.5	1	49
83976	20" – 36" Multi-Size Pneumatic Front Air Test Plugs	83976	012181-839768	6314.6	1	89
83978	24" – 48" Multi-Size Pneumatic Front Air Test Plugs	83978	012181-839782	12642.0	1	102
83979	36" – 60" Multi-Size Pneumatic Front Air Test Plugs	83979	012181-839799	17346.0	1	160
83981	48" – 72" Multi-Size Pneumatic Front Air Test Plugs	83981	012181-839812	25578.0	1	350
83982	60" – 96" Multi-Size Pneumatic Front Air Test Plugs	83982	012181-839829	56466.0	1	575

### Drain Flush

- Connects to garden hose to safely, cleanly, and easily clear drain pipes of obstructions with water pressure
- Works in minutes without harsh chemicals
- Effective up to 1,000'
- Sizes available for most common residential drain applications
- Completely reusable
- One-year replacement guarantee



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83500	Drain Flush for 1" – 2" Drains	RDF 12	012181-835005	0.240	12	4
83505	Drain Flush for 1 ½" – 3" Drains	RDF 13	012181-835050	0.241	12	5
83510	Drain Flush for 3" – 4" Drains	RDF 34	012181-835104	0.269	6	3
83515	Drain Flush for 3" – 6" Drains	RDF 36	012181-835159	0.407	6	6

### Extension Hoses

- Pressure rated at 250 psig
- Made with brass fitting and ferrules
- Extension hoses each have a male and female fitting to connect directly to an inflation valve



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83692	2-Ft. Extension Hose	83692	012181-836927	0.063	6	1
83693	3-Ft. Extension Hose	83693	012181-836934	0.128	6	2
83695	5-Ft. Extension Hose	83695	012181-836958	0.148	6	3
83696	10-Ft. Extension Hose	83696	012181-836965	0.148	1	2
83697	20-Ft. Extension Hose	83697	012181-836972	0.148	1	2
83698	30-Ft. Extension Hose	83698	012181-836989	0.333	1	3
83703	40-Ft. Extension Hose	83703	012181-837030	0.333	1	4

### Inflation / Lift Hoses

- Extension hoses each have a male and female fitting to connect directly to an inflation valve
- Includes a quick snap connection on lift line



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83732	10-Ft. Inflation/Lift Hose	83732	012181-837320	0.333	1	1
83733	20-Ft. Inflation/Lift Hose	83733	012181-837337	0.333	1	1
83734	30-Ft. Inflation/Lift Hose	83734	012181-837344	0.333	1	2
83735	40-Ft. Inflation/Lift Hose	83735	012181-837351	0.333	1	3

### Pumps and Pump Accessories

- Easy-to-read pressure gauge
- Includes thumb-lock disconnect
- Includes foot base
- Inflation noses on all pumps can be replaced



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83700	Black Pump w/Gauge – Hi Impact Plastic Body	83700	012181-837009	0.700	1	2
83710	Red Pump w/Gauge – Steel Body	83710	012181-837108	0.450	1	4
83701	Replacement Hose for #83700 Pump	83701	012181-837016	0.063	1	1
83702	Replacement Hose for #83710 Pump	83702	012181-837023	0.063	1	1

### CATEGORY 11

#### Air Test Hoses



- Each hose is 3/8" ID for maximum inflation volume
- Hoses rated at 250 psig
- Each hose comes with brass quick disconnects

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83905	10-Ft. Monitor Hose, 3/8" Hose	83905	012181-839058	1	2	
83906	20-Ft. Monitor Hose, 3/8" Hose	83906	012181-839065	1	3	
83907	30-Ft. Monitor Hose, 3/8" Hose	83907	012181-839072	1	4	
83908	40-Ft. Monitor Hose, 3/8" Hose	83908	012181-839089	1	5	
83913	20-Ft. Monitor Hose with Gauge	83913	012181-839133	1	3	
83914	30-Ft. Monitor Hose with Gauge	83914	012181-839140	1	4	
83915	40-Ft. Monitor Hose with Gauge	83915	012181-839157	1	5	
83909	10-Ft. Inflation Lift Hose, 3/8"	83909	012181-839096	1	3	
83910	20-Ft. Inflation Lift Hose, 3/8"	83910	012181-839102	1	4	
83911	30-Ft. Inflation Lift Hose, 3/8"	83911	012181-839119	1	5	
83912	40-Ft. Inflation Lift Hose, 3/8"	83912	012181-839126	1	6	

#### Air Test Caps



- Used for converting a bypass plug to a Front Air Test Plug
- Each cap includes two fittings for inflation and reading pressure
- Each cap thread is standard pipe thread
- Caps are PVC for easy removal

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83921	1 1/2" Air Test Cap, Quick Disconnect	83921	012181-839218	1	2	
83922	3" Air Test Cap, Quick Disconnect	83922	012181-839225	1	2	
83923	4" Air Test Cap, Quick Disconnect	83923	012181-839232	1	3	
83925	1 1/2" Air Test Cap, Dixon	83925	012181-839256	1	2	
83926	3" Air Test Cap, Dixon	83926	012181-839263	1	2	
83927	4" Air Test Cap, Dixon	83927	012181-839270	1	3	

#### Replacement Fittings



- Replacement parts for Test-Tite testing equipment

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
99577	Quick Disconnect, Hose	99577	012181-99577	1	1	
99851	1/4" Disconnect Plug	99851	012181-99851	1	1	
99751	Inflator, for Extension Hose	99751	012181-99751	1	1	
99752	Deflator, for Extension Hose	99752	012181-99752	1	1	
99694	1/4" Tank Valve	99694	012181-99694	1	1	

### Twist 'N Seal® Pipe Sealing Plug

- Stop water flow while soldering or cementing pipe fittings
- Holds up to 60 psig
- Quick and easy to use
- Comes individually or in a kit
- Simple to change sizes – just unscrew rubber seal and replace
- No tools required

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83782	½" Twist 'N Seal Tool	83782	012181-837825	0.021	6	2
83783	¾" Twist 'N Seal Tool	83783	012181-837832	0.021	6	2
83784	1" Twist 'N Seal Tool	83784	012181-837849	0.021	6	3
83787	1 ¼" Twist 'N Seal Tool	83787	012181-837870	0.072	1	2
83788	1 ½" Twist 'N Seal Tool	83788	012181-837887	0.072	1	2
83789	2" Twist 'N Seal Tool	83789	012181-837894	0.072	1	2
83785	½" – 1" Twist 'N Seal Kit	83785	012181-837856	0.021	6	3
83790	1 ¼" – 2" Twist 'N Seal Kit w/ Carrying Case	83790	012181-837900	0.500	1	4
83791	½" – 2" Twist 'N Seal Kit w/ Carrying Case	83791	012181-837917	0.500	1	5
83792	½" – 1" Twist 'N Seal Kit w/ Carrying Case	83792	012181-837924	0.258	1	3
97470	½" Replacement Seal	97470	012181-974704	0.016	6	1
97471	¾" Replacement Seal	97471	012181-974711	0.016	6	1
97472	1" Replacement Seal	97472	012181-974728	0.016	6	1
97528	1 ¼" Replacement Seal	97528	012181-975282	0.007	1	1
97529	1 ½" Replacement Seal	97529	012181-975299	0.007	1	1
97530	2" Replacement Seal	97530	012181-975305	0.007	1	1
97543	Carrying Case	97543	012181-975435	0.007	1	2



### Mechanical Cleanout Test Plugs

- Patent pending
- Clear cap provides a "window" to monitor the test media as it drains
- Expandable rubber gasket provides air and water tight seal
- Tests up to 40 vertical feet
- Durable design; plated steel parts will not rust
- No tools, hoses or gauges are required for installation
- Hand-tighten in seconds
- Available in 2-, 3-, 4- and 6-inch diameters
- Patent #8,042,576

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83656	2" Mechanical Cleanout Test Plug, for PVC/ABS DWV	MCO2	012181-836569	0.360	6	3.8
83649	2" Mechanical Cleanout Test Plug, for Cast Iron	MCO2CI	012181-836491	0.360	6	3.7
83657	3" Mechanical Cleanout Test Plug - Bulk Pack	MCO3	012181-836576	0.480	6	5.8
83658	4" Mechanical Cleanout Test Plug - Bulk Pack	MCO4	012181-836583	0.560	6	7.1
83659	6" Mechanical Cleanout Test Plug, for PVC/ABS DWV	MCO6	012181-836590	0.375	1	5
83660	6" Mechanical Cleanout Test Plug, for Cast Iron	MCO6CI	012181-836606	0.375	1	5

#### Replacement parts†

90442	Rubber seal only, for 2" MCO2 DWV Plug	90442	012181-904428	0.050	1	.1
90443	Rubber seal only, for 3" MCO3 Plug	90443	012181-904435	0.050	1	.1
90444	Rubber seal only, for 4" MCO4 Plug	90444	012181-904442	0.050	1	.1
90447	Rubber seal only, for 6" MCO6 DWV Plug	90447	012181-904473	0.500	1	1
90448	Rubber seal only, for 6" MCO6CI Cast Iron Plug	90448	012181-904480	0.500	1	1
90445	Pop-It seal for 2", 3" 4" only	90445	012181-904459	0.500	1	.1
83752	2" Clear Cap with O-ring	83752	012181-837528	0.500	1	.1
83753	3" Clear Cap with O-ring	83753	012181-837535	0.500	1	.1
83754	4" Clear Cap with O-ring	83754	012181-837542	0.500	1	.1

†Category Discount Code \*



### CATEGORY 12

#### T-Cone Combination Cleanout Test Plugs



- Economical, rust-proof and reusable
- Positive sealing
- Tests up to 50 feet of head pressure

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86375	Tests 1 1/2" Sch. 40 DWV	S 152	012181-863756	0.018	50	3
86385	Tests 2" Sch. 40 DWV & Type "M" Copper Tube	S 202	012181-863855	0.268	50	6
86520	Flush Mount Recessed Plug; Tests 2" Sch. 40 DWV	CS 202	012181-865200	0.268	50	6
86390	Tests 3" Sch. 40 & Copper DWV; 2" Cast Iron Hub	S 302	012181-863909	0.603	10	26
86526	Flush Mount Recessed Plug; Tests 3" Sch. 40 & Copper DWV, Type "M" Copper	CS 302	012181-865262	0.603	50	12
86455	Tests 3" Sch. 40 Socket	S 300	012181-864556	0.603	50	19
86395	Tests 4" Type "M" Copper Tube, Cast Iron Closet Bend (SW), VCP Barrel	S 401	012181-863954	0.993	50	25
86400	Tests 4" Sch. 40 & Copper DWV, PVC S&D, Cast Iron & VCP Barrel; 3" Cast Iron Hub	S 402	012181-864005	0.993	10	42
86535	Flush Mount Recessed Plug; Tests 3" Sch. 40 & Copper DWV, PVC S&D, Cast Iron Barrel	CO 402	012181-865354	0.993	50	22
86420	Tests 6" Copper DWV, PVC PSM (SDR 35), PVC DR-14, CI & VCP Barrel	S601	012181-864203	1.805	36	35
86425	Tests 6" Sch. 40 DWV, PVC DR-18, Cast Iron Barrel (EH)	S602	012181-864258	1.805	36	37
86435	Tests 8" Sch. 40 DWV, PVC PSM (SDR 35), PVC DR-18, VCP Barrel	S802	012181-864357	2.048	20	43

#### T-Cone Flush Mount Cleanouts with Cover Plate



- Easy-to-install and remove
- Fits DWV pipe
- Positive sealing
- For flush or below ground applications
- Cover plate protects and identified sewer cleanout

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86315	3" Cleanout Plug with Cover Plate & Screw	CO 302C	012181-863152	0.603	50	13
86320	4" Cleanout Plug with Cover Plate & Screw	CO 402C	012181-863206	0.993	50	24

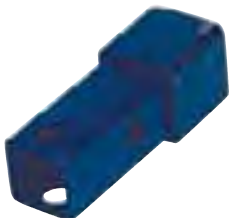
#### T-Cone Cleanout Repair Plugs



- Easy and economical repairs to damaged/corroded, metal or plastic
- Cleanout threads – no need to replace fitting
- Epoxy sealant included for airtight and watertight repairs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86335	Fits 1 1/2" Female Cleanout Adapter	EB 152E	012181-863350	0.183	50	0.4
86340	Fits 2" Female Cleanout Adapter	EB 220E	012181-863404	0.268	50	8
86345	Fits 3" Female Cleanout Adapter	EB 320E	012181-863459	0.603	50	15
86350	Fits 3 1/2" Female Cleanout Adapter	EB 350E	012181-863503	0.993	50	20
86355	Fits 4" Female Cleanout Adapter	EB 420E	012181-863558	1.113	50	28

#### 2-Way Wrench For T-Cone Cleanout Test and Repair Plugs



- For tightening 1" through 6" combination cleanout test plugs and cleanout repair plugs with raised head
- For t-cone cleanout test and repair plugs
- Also fits 3" through 4" recessed drive plugs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86545	T-Cone 2-Way Wrench	SM 106	012181-865453	0.010	1	1

### Metal Wing Nut Test Plugs

- Cost-effective plug
- Used for plugging open-ended pipe
- Rubber sealing ring

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
88386	Tests 1 1/2" Drain Pipe	RWN 1	012181-883860	0.202	6	8
88387	Tests 2" Drain Pipe	RWN 2	012181-883877	0.303	6	10
88388	Tests 3" Drain Pipe	RWN 3	012181-883884	0.787	6	19
88389	Tests 4" Drain Pipe	RWN 4	012181-883891	1.283	6	29
88384	Tests 5" Drain Pipe	RWN 5	012181-883846	0.240	5	6
88390	Tests 6" Drain Pipe	RWN 6	012181-883907	0.450	5	9



### Twist-Tite Mechanical Test Plugs

- Oversized wingnut with wrench pad for easy removal
- Made of high-impact ABS material
- This model for end-of-pipe only
- Will not rust or corrode
- Neoprene gasket

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83591	1 1/2" Mechanical Test Plug	MWN 1	012181-835913	0.065	10	6
83592	2" Mechanical Test Plug	MWN 2	012181-835920	0.100	10	9
83593	3" Mechanical Test Plug	MWN 3	012181-835937	0.197	10	19
83594	4" Mechanical Test Plug	MWN 4	012181-835944	0.255	10	24
83596	6" Mechanical Test Plug	MWN 6	012181-835968	0.456	5	36
83598	8" Mechanical Test Plug	MWN 8	012181-835982	0.761	5	53



### Inside Pipe Twist-Tite Mechanical Test Plugs

- Oversized wingnut with wrench pad for easy removal
- Made of high-impact ABS material
- This model for inside-pipe only
- Will not rust or corrode
- Neoprene gasket

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83595	4" Inside Pipe Twist-Tite	MWN 9	012181-835951	0.255	10	6
83597	6" Inside Pipe Twist-Tite	MWN 10	012181-835973	0.456	5	8
83599	8" Inside Pipe Twist-Tite	MWN 11	012181-835997	0.761	5	12



### Flush Mechanical Cleanout Repair Plug

- Holds up to 50 feet of backpressure
- Seals air tight! (Does not rely on threads to seal)
- Back pressure actually increases sealing ability
- Completely flush inside and out
- Can install cleanout cover over plug
- Cannot fall into the pipe
- Comes with 5/16" wrench
- Patent 7,464,727

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83687	2" Flush Mechanical Cleanout Repair Plug	83687	012181836873	0.763	10	15
83688	3" Flush Mechanical Cleanout Repair Plug	83688	012181836880	1.263	10	22
83689	3 1/2" Flush Mechanical Cleanout Repair Plug	83689	012181836897	1.579	10	25
83690	4" Flush Mechanical Cleanout Repair Plug	83690	012181836893	1.944	10	30



### CATEGORY 13

#### PVC Techno-Caps™



- Heavy duty PVC test cap
- For 1 1/2", 2", 3" and 4" DWV pipe
- Can be solvent-welded on PVC pipe
- Will not clog or fall into pipe
- Can be tested up to 40' of water of 17 psig
- Also available in orange

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87503	Tests 1 1/2" PVC DWV Pipe (100/Bag)	TC 1	012181-875032	2.120	800	19
87505	Tests 2" PVC DWV Pipe (100/Bag)	TC 2	012181-875056	2.120	600	18
87510	Tests 3" PVC DWV Pipe (50/Bag)	TC 3	012181-875100	2.120	250	16
87515	Tests 4" PVC DWV Pipe (25/Bag)	TC 4	012181-875155	2.120	150	14
87516	Tests 6" PVC DWV Pipe (10/Bag)	TC 6	012181-875162	2.120	50	21
87511	Orange, Tests 1 1/2" PVC DWV Pipe (100/Bag)	TC10	012181-875117	2.12	800	19
87512	Orange, Tests 2" PVC DWV Pipe (100/Bag)	TC20	012181-875124	2.12	600	18
87513	Orange, Tests 3" PVC DWV Pipe (50/Bag)	TC30	012181-875131	2.12	250	16
87514	Orange, Tests 4" PVC DWV Pipe (25/Bag)	TC40	012181-875148	2.12	150	14

#### ABS Techno-Caps™



- Heavy duty ABS test cap
- Can be solvent-welded
- For 1 1/2", 2", 3" and 4" DWV pipe
- Will not clog or fall into pipe
- Can be tested up to 40' of water of 17 psig

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
87526	Tests 1 1/2" ABS DWV Pipe (100/Bag)	TC 1A	012181-875261	2.120	800	14
87527	Tests 2" ABS DWV Pipe (100/Bag)	TC 2A	012181-875278	2.120	600	14
87528	Tests 3" ABS DWV Pipe (50/Bag)	TC 3A	012181-875285	2.120	250	13
87529	Tests 4" ABS DWV Pipe (25/Bag)	TC 4A	012181-875292	2.120	150	11

#### Combination Kap-On Test Caps



- Moderate-pressure test cap
- Higher rated than plug-on test caps
- For 1 1/2", 2", 3" and 4" DWV pipe
- Each cap can be used for two sizes
- Solvent-welded onto PVC or ABS pipe
- Can be tested up to 30' of water or 12 psig

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86615	Tests 1 1/2" & 2" DWV Pipe (100/Bag)	KO 12	012181-866153	1.660	500	22
86620	Tests 3" & 4" DWV Pipe (50/Bag)	KO 34	012181-866207	2.120	250	26

#### Plug-On Test Caps



- Low-pressure test cap
- For 1 1/2", 2", 3" and 4" DWV pipe
- Solvent-welded onto PVC or ABS pipe
- Can be tested up to 10' of water or 4.3 psig

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
85000	Tests 1 1/2" DWV Pipe (100/Bag)	5817 P1 1/2	012181-850008	2.120	2000	18
85005	Tests 2" DWV Pipe (50/Bag)	5817 P2	012181-850053	2.120	1500	20
85010	Tests 3" DWV Pipe (25/Bag)	5817 P3	012181-850107	2.120	600	19
85015	Tests 4" DWV Pipe (20/Bag)	5817 P4	012181-850157	2.120	340	17



### Slip-On Caps

- For 1 1/2", 2", 3" and 4" DWV pipe
- Pushed onto PVC or ABS pipe
- Normally used as a "dust cap" to keep out debris
- Not designed for pressure
- Orange plastic



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
85450	Slip-on Test Cap for 1 1/2" DWV (40/Bag)	SO 1	012181-854501	2.120	600	14
85455	Slip-on Test Cap for 2" DWV (25/Bag)	SO 2	012181-854558	2.120	400	12
85460	Slip-on Test Cap for 3" DWV (25/bag)	SO 3	012181-854602	2.120	150	11
85465	Slip-on Test Cap for 4" DWV	SO 4	012181-854655	2.140	90	9

### Flexible PVC Test Caps with Stainless Steel Clamp

- Moderate-pressure test cap
- For 1 1/2", 2", 3", 4" and 6" DWV pipe
- Can be used as a cleanout cap
- Used on plastic, steel, copper and cast iron pipe
- Flexible PVC construction
- Stainless steel clamp will not rust
- Can be tested up to 30' of water or 13 psig



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
83711	1 1/2" Cleanout Test Cap w/S.S. Clamping Band	83711	012181-837115	0.330	100	13
83712	2" Cleanout Test Cap w/S.S. Clamping Band	83712	012181-837122	0.670	100	17
83713	3" Cleanout Test Cap w/S.S. Clamping Band	83713	012181-837139	0.670	50	14
83714	4" Cleanout Test Cap w/S.S. Clamping Band	83714	012181-837146	1.230	50	18
83706	6" Cleanout Test Cap w/S.S. Clamping Band	83706	012181-837061	1.230	20	17

### Closet Flange Test Plug

- Patent # 5,329,971
- Heavy duty test for all closet flanges
- Quick and easy mounting and removal
- Exclusive Test-Tite™ product



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86625	Reusable Test Plug for All Standard Closet Flanges	CFTP	012181-866252	1.360	10	8





## Broader offering for plumbing wholesalers and contractors

IPS Corporation acquired the American Brass & Aluminum Foundry (AB&A™) in 2010. Since 1931, the AB&A™ product family has grown to include a full line of plastic and brass bath wastes, plastic, cast iron and brass plumbing drains and fittings, cleanouts, and associated accessories.

## High quality wastes and drains

Easy-to-install AB&A bath wastes are offered in an assortment of special finishes to complement today's designs and customer preferences. A wide range of lavatory, floor, and shower drains are available in plastic, bronze, or cast brass. Recognized for their consistent high quality, AB&A products are used in both new construction and retrofit markets.



## CATEGORY 3

### White Plastic Snap-In



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67906	6" x 9"	ABA6715	767580021534		12	
85150	8" x 8"	RAP8X8	012181851500		10	
85155	14" x 14"	RAP1414	012181851555		10	
67908	14" x 29"	ABA6718	767580021558		6	

### 16Ga Mild Steel - White Prime Coated



- Full length hinge
- Rounded corners to minimize bent corners

- Interchangeable locks

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67909	6" x 6" w/ Screwdriver Lock	ABA6724	767580047435		1	
67900	8" x 8" w/ Screwdriver Lock	ABA6725	767580021565		1	
67901	10" x 10" w/ Screwdriver Lock	ABA6727	767580021572		1	
67902	12" x 12" w/ Screwdriver Lock	ABA6729	767580021589		1	
67903	14" x 14" w/ Screwdriver Lock	ABA6731	767580021596		1	
67913	14" x 14" Mesh w/ Screwdriver Lock	ABA6731M	767580047473		1	
67904	16" x 16" w/ Screwdriver Lock	ABA6733	767580047480		1	
67914	16" x 16" Mesh w/ Screwdriver Lock	ABA6733M	767580047497		1	
67929	18" x 18" w/ Screwdriver Lock	ABA6748	767580038891		1	
67930	24" x 24" w/ Screwdriver Lock	ABA6749	767580038976		1	

### 16Ga #304 Stainless Steel



- Full length hinge
- Rounded corners to minimize bent corners

- Interchangeable locks

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67915	6" x 6" w/ Screwdriver Lock	ABA6734	767580039218		1	
67905	8" x 8" w/ Screwdriver Lock	ABA6735	767580036941		1	
67920	10" x 10" w/ Screwdriver Lock	ABA6737	767580021619		1	
67922	12" x 12" w/ Screwdriver Lock	ABA6739	767580021626		1	
67925	14" x 14" w/ Screwdriver Lock	ABA6741	767580036958		1	
67926	16" x 16" w/ Screwdriver Lock	ABA6743	767580036965		1	
67927	18" x 18" w/ Screwdriver Lock	ABA6744	767580039621		1	
67928	24" x 24" w/ Screwdriver Lock	ABA6745	767580039638		1	

### Replacement Locks



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
69771	Cylinder Lock only	ABA6773	767580047572		1	
69772	Allen Key Lock Only	ABA6775	767580047596		1	

## CATEGORY 6

### Cast Iron Shower Drain

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60210	2" Quick-Set <i>Replaces AB&amp;A 564-S</i>	ABA564	767580020759		1	



### Cast Iron Floor Cleanout

•Non-adjustable nickel bronze top

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60309	3" No-Hub	ABA553	767580020711		1	
60300	4" No-Hub	ABA554	767580020728		1	



### Cast Iron Cess Pool Drain

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60224	2" No-Hub x 6 1/2" Top	ABA632	767580020919		1	
60225	3" No-Hub x 7 1/2" Top	ABA633	767580020926		1	
60226	4" No-Hub x 8 1/2" Top	ABA634	767580020933		1	



### Cast Iron "Set-N-Go" Closet Ring

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60003	3" x 2" with Test Cap	ABA032	767580001000		1	
60001	4" x 2" with Test Cap	ABA042	767580001024		1	
60004	4" x 4" with Test Cap	ABA044	767580001048		1	
60000	3" x 2" Less Test Cap	ABA0321	767580001017		1	
60002	4" x 2" Less Test Cap	ABA0421	767580001031		1	
60005	4" x 4" Less Test Cap	ABA0441	767580001055		1	



## CATEGORY 6

### Cast Iron Roof Drain



- 6-½" dome

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60213	3" No-hub Bottom Outlet	ABA573	767580020773		1	
60214	4" No-hub Bottom Outlet	ABA574	767580020780		1	
60215	2" No-hub Side Outlet	ABA582	767580020797		1	
60216	3" No-hub Side Outlet	ABA583	767580020803		1	

### Cast Iron Roof Drain



- Overflow combo
- 8 ¾" CD
- 6 ½" dome

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60219	2" No-hub Outlet	ABA602	767580020858		1	
60220	3" No-hub Outlet	ABA603	767580020865		1	
60222	4" No-hub Outlet	ABA604	767580020872		1	
60218	6 ½" Dome with Ring & Hardware	ABA586	767580020810		1	

### Cast Iron Floor Drain



- 4" adjustable nickel bronze top

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60233	2" No-Hub	ABA512	767580019869		1	
60234	3" No-Hub	ABA513	767580019920		1	
60235	4" No-Hub	ABA514	767580022012		1	

### Cast Iron Floor Drain



- 5" adjustable nickel bronze top
- Tapped for Primer

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60200	2" No-Hub	ABA502	767580019036		1	
60231	3" No-Hub	ABA503	767580019081		1	
60232	4" No-Hub	ABA504	767580019098		1	
60237	3" Push-On	ABA506	767580075133		1	

### Cast Iron Floor Drain Accessories



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60227	5" Nickel Bronze Top – Round – 3 ½" Thread	ABA8612	767580029493		1	
65426	5" Nickel Bronze Top – Square – 3 ½" Thread	ABA8614	767580049132		1	

## CATEGORY 6

### Floor Sinks

• Porcelain-coated cast iron

• UPC Listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Square – 12" x 12" Flange Dimension – 6" Deep</b>						
60400	2" No-hub Connection	ABA302	767580015397		1	
60401	3" No-hub Connection	ABA303	767580015472		1	
60402	3" Push-On Connection	ABA303PO	767580037085		1	
60403	4" No-hub Connection	ABA304	767580015489		1	
<b>Square – 12" x 12" Flange Dimension – 8" Deep</b>						
60405	2" No-hub Connection	ABA312	767580016158		1	
60406	3" No-hub Connection	ABA313	767580016165		1	
<b>Round- 8" Flange Dimension – 6" Deep</b>						
60414	2" No-hub Connection	ABA352	767580016844		1	
60415	3" No-hub Connection	ABA353	767580046254		1	



### Floor Sink Grates

• Porcelain-coated cast iron

• UPC Listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Square Grate – 12"</b>						
60500	Half Grate	ABA402	767580017254		1	
60501	Three-quarter Grate	ABA403	767580017261		1	
60502	Full Grate	ABA404	767580017278		1	
<b>Round Grate – 8"</b>						
60512	Half Grate	ABA432	767580017889		1	
60513	Three-quarter Grate	ABA433	767580046568		1	
60514	Full Grate	ABA434	767580046575		1	



### Floor Sink Accessories

• Porcelain-coated cast iron

• UPC Listed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Sediment Baskets For Cast Iron Sinks</b>						
65800	For 12" Square	ABA480	767580018268		6	
67099	For 8" Round	ABA483	767580046735		6	
<b>Dome Strainers</b>						
67100	4" Aluminum Dome Strainer for Cast Iron Sinks	ABA489	767580018282		6	



## CATEGORY 6

### Drain & Cleanout Adapters & Bushings



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>2" x 3" w/ 2" Inside Thread</b>						
68868	ABS	ABA8773	767580030017		20	
69269	PVC	ABA8763	767580075964		20	
<b>3"x4" w/ 3 1/2" Inside Thread – Tapped &amp; Plugged</b>						
69302	ABS	ABA8711	767580693021		10	
68094	PVC	ABA8712	767580680946		10	
<b>4" Fitting Adapter w/ 3 1/2" Inside Thread</b>						
69221	ABS	ABA8770	767580030000		6	
69263	PVC	ABA8760	767580075155		6	

### Flanged Floor & Roof Drain and Cleanout Bodies



• Tapped & plugged (except 2" x 3")

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>2" x 3" Body with 2" Threaded Flange</b>						
69303	ABS	ABA4433B	767580693038		6	
69304	PVC	ABA4436B	767580693045		6	
<b>3" Body with 3 1/2" Threaded Flange</b>						
69305	ABS	ABA8803	767580693052		3	
69306	PVC	ABA8806	767580693069		3	
<b>4" Body with 3 1/2" Threaded Flange</b>						
69307	ABS	ABA8804	767580693076		3	
69308	PVC	ABA8807	767580693083		3	
<b>6" Body with 3 1/2" Threaded Flange</b>						
69310	ABS	ABA8805	767580693106		3	
69311	PVC	ABA8808	767580693113		3	

### Drain Strainers & Cleanout Covers, & Crowns



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Nickel Bronze Drain Strainer</b>						
69207	4"	ABA8595	767580029417		3	
69208	5"	ABA8600	767580029448		3	
69209	6"	ABA8610	767580029479		3	
<b>Nickel Bronze Cleanout Cover</b>						
69213	4"	ABA8634	767580029592		3	
69214	5"	ABA8637	767580029615		3	
69215	6"	ABA8640	767580029646		3	
<b>Nickel Bronze Round Crown</b>						
69211	4"	ABA8618	767580029523		3	
68102	5"	ABA8620	767580681028		3	
69212	6"	ABA8630	767580029578		3	
<b>Nickel Bronze Square Crown</b>						
69216	6" Square for 5" Cover/Strainer	ABA8650	767580029677		3	
69324	7" Square for 6" Cover/Strainer	ABA8660	767580693243		3	
69228	Stainless Steel Screws	ABA8825	767580030338		100	



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### Drain Barrels & Tops

• With crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>2" Barrel 4" Nickel Bronze Top w/ Crown</b>						
65446	ABS	ABA9300	767580654466		6	
65449	PVC	ABA9301	767580654497		6	
<b>3" Barrel 5" Nickel Bronze Top w/ Crown</b>						
65450	ABS	ABA93123	767580654503		6	
65451	PVC	ABA93133	767580654510		6	
<b>3 1/2" Barrel 5" Nickel Bronze Top w/ Crown</b>						
65385	ABS	ABA9378	767580032875		6	
65452	PVC	ABA9379	767580654527		6	
<b>3 1/2" Barrel 6" Nickel Bronze Top w/ Crown</b>						
65453	ABS	ABA93781	767580654534		6	
65440	PVC	ABA93791	767580654404		6	
65400	BRASS	ABA9432	767580033438		6	
<b>4" Barrel 5" Nickel Bronze Top w/ Crown</b>						
67270	ABS	ABA94504	767580672705		6	
65455	PVC	ABA94514	767580654558		6	
<b>4" Barrel 6" Nickel Bronze Top w/ Crown</b>						
65402	ABS	ABA9450	767580033513		6	
65403	PVC	ABA9451	767580033520		6	
65412	BRASS	ABA95254	767580034336		6	



### Drain Barrels & Tops

• Less crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>3" Barrel 5" Nickel Bronze Top Less Crown</b>						
65380	ABS	ABA93253	767580049347		6	
65456	PVC	ABA93263	767580654565		6	
<b>3 1/2" Barrel 5" Nickel Bronze Top Less Crown</b>						
65457	ABS	ABA9385	767580654572		6	
65458	PVC	ABA9386	767580654589		6	
<b>3 1/2" Barrel 6" Nickel Bronze Top Less Crown</b>						
65442	ABS	ABA93851	767580654428		6	
65459	PVC	ABA93861	767580654596		6	
<b>4" Barrel 5" Nickel Bronze Top Less Crown</b>						
65460	ABS	ABA94624	767580654602		6	
67263	PVC	ABA94634	767580075780		6	
<b>4" Barrel 6" Nickel Bronze Top Less Crown</b>						
65461	ABS	ABA9462	767580654619		6	
65404	PVC	ABA9463	767580033674		6	



## CATEGORY 7

### Cleanout Barrels & Tops



• With crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>2" Barrel 4" Nickel Bronze Top w/ Crown</b>						
65463	ABS	ABA9306	767580654633		6	
65464	PVC	ABA9307	767580654640		6	
<b>3" Barrel 5" Nickel Bronze Top w/ Crown</b>						
65465	ABS	ABA93513	767580654657		6	
65466	PVC	ABA93523	767580654664		6	
<b>3 1/2" Barrel 5" Nickel Bronze Top w/ Crown</b>						
65467	ABS	ABA93993	767580654671		6	
65389	PVC	ABA94003	767580049392		6	
<b>3 1/2" Barrel 6" Nickel Bronze Top w/ Crown</b>						
65388	ABS	ABA9399	767580033100		6	
65468	PVC	ABA9400	767580654688		6	
65401	BRASS	ABA9436	767580033476		6	
<b>4" Barrel 5" Nickel Bronze Top w/ Crown</b>						
65406	ABS	ABA94884	767580049453		6	
65469	PVC	ABA94894	767580654695		6	
<b>4" Barrel 6" Nickel Bronze Top w/ Crown</b>						
65405	ABS	ABA9488	767580033919		6	
65407	PVC	ABA9489	767580033926		6	
65415	BRASS	ABA95334	767580034442		6	

• Cleanout Plug

### Drain Barrels & Tops



• With square crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>3" Barrel 5" Nickel Bronze Top w/ Square Crown</b>						
65470	ABS	ABA93383	767580654701		6	
65471	PVC	ABA93393	767580654718		6	
<b>3 1/2" Barrel 5" Nickel Bronze Top w/ Square Crown</b>						
65387	ABS	ABA9392	767580033049		6	
65472	PVC	ABA9393	767580654725		6	
<b>3 1/2" Barrel 6" Nickel Bronze Top w/ Square Crown</b>						
65473	ABS	ABA93921	767580654732		6	
65474	PVC	ABA93931	767580654749		6	
<b>4" Barrel 5" Nickel Bronze Top w/ Square Crown</b>						
65475	ABS	ABA94744	767580654756		6	
65476	PVC	ABA94754	767580654763		6	
<b>4" Barrel 6" Nickel Bronze Top w/ Square Crown</b>						
65477	ABS	ABA9474	767580654770		6	
65478	PVC	ABA9475	767580654787		6	

### Cleanout Barrels & Tops

• With square crown

• Cleanout plug

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>3" Barrel 5" Nickel Bronze Top w/ Square Crown</b>						
65479	ABS	ABA93693	767580654794		6	
65480	PVC	ABA93703	767580654800		6	
<b>3 1/2" Barrel 5" Nickel Bronze Top w/ Square Crown</b>						
65481	ABS	ABA94083	767580654817		6	
65482	PVC	ABA94093	767580654824		6	
<b>3 1/2" Barrel 6" Nickel Bronze Top w/ Square Crown</b>						
65483	ABS	ABA9408	767580654831		6	
65390	PVC	ABA9409	767580033193		6	
<b>4" Barrel 5" Nickel Bronze Top w/ Square Crown</b>						
65484	ABS	ABA95084	767580654848		6	
65485	PVC	ABA95094	767580654855		6	
<b>4" Barrel 6" Nickel Bronze Top w/ Square Crown</b>						
60315	ABS	ABA9508	767580603150		6	
65486	PVC	ABA9509	767580654862		6	



### Complete Drains

• With crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>4" Nickel Bronze Drain w/ Crown – 2" x 3" Bushing</b>						
65487	ABS	ABA8950	767580654879		6	
65488	PVC	ABA8951	767580654886		6	
<b>4" Nickel Bronze Drain Tapped &amp; Plugged w/ Crown – 2" Female Adapter</b>						
69242	ABS	ABA9660	767580050459		6	
65489	PVC	ABA9661	767580654893		6	
<b>5" Nickel Bronze Drain Tapped &amp; Plugged w/ Crown – 3" x 4" Bushing</b>						
65319	ABS	ABA8190	767580026195		6	
65804	PVC	ABA8195	767580026232		6	
<b>6" Nickel Bronze Drain Tapped &amp; Plugged w/ Crown – 3" x 4" Bushing</b>						
65321	ABS	ABA8220	767580026447		6	
65002	PVC	ABA8225	767580026508		6	
65490	Brass Barrel – ABS	ABA8223	767580654909		6	
65427	Brass Barrel – PVC	ABA8228	767580077531		6	
<b>5" Nickel Bronze Drain w/ Crown – 4" Fitting Adapter</b>						
65491	ABS	ABA8100	767580654916		6	
65309	PVC	ABA8105	767580025549		6	
<b>6" Nickel Bronze Drain w/ Crown – 4" Fitting Adapter</b>						
65492	ABS	ABA8130	767580654923		6	
65493	PVC	ABA8135	767580654930		6	
65494	Brass Barrel – ABS	ABA8133	767580654947		6	
65495	Brass Barrel – PVC	ABA8138	767580654954		6	
<b>6" Chrome Cover-all Strainer – 4" Fitting Adapter</b>						
85895	PVC	4841B	12181858950		6	



## CATEGORY 7

### Complete Drains



• Less crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>5" Nickel Bronze Drain Tapped &amp; Plugged Less Crown – 3" x 4" Bushing</b>						
65496	ABS	ABA8200	767580654961		6	
65805	PVC	ABA8205	767580026317		6	
<b>6" Nickel Bronze Drain Tapped &amp; Plugged Less Crown – 3" x 4" Bushing</b>						
65497	ABS	ABA8230	767580654978		6	
65323	PVC	ABA8235	767580026607		6	
<b>5" Nickel Bronze Drain Less Crown – 4" Fitting Adapter</b>						
65498	ABS	ABA8110	767580654985		6	
65499	PVC	ABA8115	767580654992		6	
<b>6" Nickel Bronze Drain Less Crown – 4" Fitting Adapter</b>						
65443	ABS	ABA8170	767580654435		6	
65317	PVC	ABA8175	767580026119		6	
<b>6" Polished Brass Drain Less Crown – 4" Fitting Adapter</b>						
65300	PVC	ABA8176	767580026126		6	

### Complete Cleanouts



• With crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>4" Nickel Bronze CO w/ Crown – 2" x 3" Bushing</b>						
65501	ABS	ABA8967	767580655012		6	
65502	PVC	ABA8968	767580655029		6	
<b>4" Nickel Bronze CO Tapped &amp; Plugged w/ Crown – 2" Female Adapter</b>						
65503	ABS	ABA9676	767580655036		6	
65504	PVC	ABA9677	767580655043		6	
<b>5" Nickel Bronze CO Tapped &amp; Plugged w/ Crown – 3" x 4" Bushing</b>						
65326	ABS	ABA82505	767580026713		6	
65806	PVC	ABA82555	767580055713		6	
<b>6" Nickel Bronze CO Tapped &amp; Plugged w/ Crown – 3" x 4" Bushing</b>						
65325	ABS	ABA8250	767580026706		6	
65301	PVC	ABA8255	767580026751		6	
65505	Brass Barrel – ABS	ABA8252	767580655050		6	
65506	Brass Barrel – PVC	ABA8257	767580655067		6	
<b>5" Nickel Bronze CO w/ Crown – 4" Fitting Adapter</b>						
65507	ABS	ABA81605	767580655074		6	
65508	PVC	ABA81655	767580655081		6	
<b>6" Nickel Bronze CO w/ Crown – 4" Fitting Adapter</b>						
65509	ABS	ABA8160	767580655098		6	
65003	PVC	ABA8165	767580650031		6	
65511	Brass Barrel – ABS	ABA8162	767580655111		6	
65445	Brass Barrel – PVC	ABA8167	767580654459		6	
<b>6" Scored Skid Resistant Brass Cover-all Cover – 4" Fitting Adapter</b>						
85910	ABS	5841A4	12181859100		10	
85905	PVC	4841A4	12181859056		10	

### Complete Drains

• With square crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>5" Nickel Bronze Drain Tapped &amp; Plugged w/ Square Crown – 3" x 4" Bushing</b>						
65513	ABS	ABA8210	767580655135		6	
65320	PVC	ABA8215	767580026409		6	
<b>6" Nickel Bronze Drain Tapped &amp; Plugged w/ Square Crown – 3" x 4" Bushing</b>						
65514	ABS	ABA8240	767580655142		6	
65324	PVC	ABA8245	767580026669		6	
<b>5" Nickel Bronze Drain w/ Square Crown – 4" Fitting Adapter</b>						
65312	ABS	ABA8120	767580025662		6	
65313	PVC	ABA8125	767580025693		6	
<b>6" Nickel Bronze Drain w/ Square Crown – 4" Fitting Adapter</b>						
65316	ABS	ABA8150	767580025938		6	
65515	PVC	ABA8155	767580655159		6	



### Complete Cleanouts

• With square crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>5" Nickel Bronze CO Tapped &amp; Plugged w/ Square Crown – 3" x 4" Bushing</b>						
65813	ABS	ABA82705	767580075285		6	
65333	PVC	ABA82755	767580049064		6	
<b>6" Nickel Bronze CO Tapped &amp; Plugged w/ Square Crown – 3" x 4" Bushing</b>						
65516	ABS	ABA8270	767580655166		6	
65517	PVC	ABA8275	767580655173		6	
<b>5" Nickel Bronze CO w/ Square Crown – 4" Fitting Adapter</b>						
65518	ABS	ABA81805	767580655180		6	
65519	PVC	ABA81855	767580655197		6	
<b>6" Nickel Bronze CO w/ Square Crown – 4" Fitting Adapter</b>						
65318	ABS	ABA8180	767580026140		6	
65520	PVC	ABA8185	767580655203		6	



## CATEGORY 7

### Complete Flanged Floor and Roof Drains



• With crown

Product Code # Product Description

**4" Nickel Bronze Drain w/ Crown**

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67325	2" x 3" Outlet – ABS	ABA4975	767580673252		20	
67108	2" x 3" Outlet – PVC	ABA4976	767580018572		20	

**5" Nickel Bronze Drain w/ Crown**

65334	3" Outlet – ABS	ABA8280	767580026911		6	
65808	3" Outlet – PVC	ABA8290	767580027000		6	
65522	4" Outlet – ABS	ABA8283	767580655227		6	
65825	4" Outlet – PVC	ABA8293	767580076909		6	
65523	6" Outlet – ABS	ABA8286	767580655234		6	
65819	6" Outlet – PVC	ABA8296	767580076053		6	

**6" Nickel Bronze Drain w/ Crown**

65524	3" Outlet – ABS	ABA8350	767580655241		6	
65816	3" Outlet – PVC	ABA8360	767580075841		6	
65525	3" Outlet – ABS w/ Brass Barrel	ABA8352	767580655258		6	
65526	3" Outlet – PVC w/ Brass Barrel	ABA8362	767580655265		6	
65527	4" Outlet – ABS	ABA8353	767580655272		6	
65528	4" Outlet – PVC	ABA8363	767580655289		6	
65529	4" Outlet – ABS w/ Brass Barrel	ABA8355	767580655296		6	
65530	4" Outlet – PVC w/ Brass Barrel	ABA8365	767580655302		6	
65531	6" Outlet – ABS	ABA8356	767580655319		6	
65532	6" Outlet – PVC	ABA8366	767580655326		6	
65533	6" Outlet – ABS w/ Brass Barrel	ABA8389	767580655333		6	
65534	6" Outlet – PVC w/ Brass Barrel	ABA8390	767580655340		6	

**6" Chrome Cover-all Drain**

89432	3" Outlet PVC	89432	012181894323		1	
89428	4" Outlet PVC	4876PC4	012181894286		1	

• Tapped & plugged (except 2" x 3")

Model Number UPC Barcode Cubic ft./Case Units/Case Lbs/Case

### Complete Flanged Floor and Roof Drains



• Less crown

Product Code # Product Description

**5" Nickel Bronze Drain Less Crown**

65535	3" Outlet – ABS	ABA8300	767580655357		6	
65338	3" Outlet – PVC	ABA8315	767580027208		6	
65536	4" Outlet – ABS	ABA8304	767580655364		6	
67257	4" Outlet – PVC	ABA8319	767580075728		6	
65537	6" Outlet – ABS	ABA8308	767580655371		6	
65538	6" Outlet – PVC	ABA8323	767580655388		6	

**6" Nickel Bronze Drain Less Crown**

65344	3" Outlet – ABS	ABA8370	767580027703		6	
65539	3" Outlet – PVC	ABA8380	767580655395		6	
65540	4" Outlet – ABS	ABA8373	767580655401		6	
65541	4" Outlet – PVC	ABA8383	767580655418		6	
65542	6" Outlet – ABS	ABA8376	767580655425		6	
65543	6" Outlet – PVC	ABA8386	767580655432		6	

• Tapped & plugged (except 2" x 3")

Model Number UPC Barcode Cubic ft./Case Units/Case Lbs/Case

### Complete Flanged Cleanouts

• With crown

• Cleanout plug

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>4" Nickel Bronze CO w/ Crown</b>						
67321	2" x 3" Outlet – ABS	ABA4992	767580673214		20	
65544	2" x 3" Outlet – PVC	ABA4993	767580655449		20	
<b>5" Nickel Bronze CO w/ Crown</b>						
65545	3" Outlet – ABS	ABA84205	767580655456		6	
65546	3" Outlet – PVC	ABA84305	767580655463		6	
65547	4" Outlet – ABS	ABA84235	767580655470		6	
65548	4" Outlet – PVC	ABA84335	767580655487		6	
65549	6" Outlet – ABS	ABA84265	767580655494		6	
65550	6" Outlet – PVC	ABA84365	767580655500		6	
<b>6" Nickel Bronze CO w/ Crown</b>						
65551	3" Outlet – ABS	ABA8420	767580655517		6	
65552	3" Outlet – PVC	ABA8430	767580655524		6	
65553	3" Outlet – ABS w/ Brass Barrel	ABA8422	767580655531		6	
65554	3" Outlet – PVC w/ Brass Barrel	ABA8432	767580655548		6	
65555	4" Outlet – ABS	ABA8423	767580655555		6	
65556	4" Outlet – PVC	ABA8433	767580655562		6	
65557	4" Outlet – ABS w/ Brass Barrel	ABA8425	767580655579		6	
65558	4" Outlet – PVC w/ Brass Barrel	ABA8435	767580655586		6	
65559	6" Outlet – ABS	ABA8426	767580655593		6	
65560	6" Outlet – PVC	ABA8436	767580655609		6	
65561	6" Outlet – ABS w/ Brass Barrel	ABA8428	767580655616		6	
65562	6" Outlet – PVC w/ Brass Barrel	ABA8438	767580655623		6	



### Complete Flanged Floor and Roof Drains

• With square crown

• Tapped & plugged

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>5" Nickel Bronze Drain w/ Square Crown</b>						
65563	3" Outlet – ABS	ABA8330	767580655630		6	
65342	3" Outlet – PVC	ABA8340	767580027376		6	
65564	4" Outlet – ABS	ABA8333	767580655647		6	
65521	4" Outlet – PVC	ABA8343	767580655210		6	
65565	6" Outlet – ABS	ABA8336	767580655654		6	
65566	6" Outlet – PVC	ABA8346	767580655661		6	
<b>6" Nickel Bronze Drain w/ Square Crown</b>						
65434	3" Outlet – ABS	ABA8400	767580079061		6	
65429	3" Outlet – PVC	ABA8410	767580078385		6	
65567	4" Outlet – ABS	ABA8403	767580655678		6	
65568	4" Outlet – PVC	ABA8413	767580655685		6	
65569	6" Outlet – ABS	ABA8406	767580655692		6	
65570	6" Outlet – PVC	ABA8416	767580655708		6	



## CATEGORY 7

### Complete Flanged Cleanouts



• With square crown

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>5" Nickel Bronze CO w/ Square Crown</b>						
65349	3" Outlet – ABS	ABA84605	767580049118		6	
65571	3" Outlet – PVC	ABA84705	767580655715		6	
65572	4" Outlet – ABS	ABA84635	767580655722		6	
65573	4" Outlet – PVC	ABA84735	767580655739		6	
65574	6" Outlet – ABS	ABA84665	767580655746		6	
65575	6" Outlet – PVC	ABA84765	767580655753		6	

• Cleanout plug

**6" Nickel Bronze CO w/ Square Crown**

65576	3" Outlet – ABS	ABA8460	767580655760		6	
65350	3" Outlet – PVC	ABA8470	767580028472		6	
65577	4" Outlet – ABS	ABA8463	767580655777		6	
65578	4" Outlet – PVC	ABA8473	767580655784		6	
65579	6" Outlet – ABS	ABA8466	767580655791		6	
65580	6" Outlet – PVC	ABA8476	767580655807		6	

### General Purpose Drains



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Snap-In Plastic Drain</b>						
85945	ABS For 2" Pipe	5802	012181859452		20	
85955	ABS For 3" Pipe	5803	012181859551		20	
85965	ABS For 4" Pipe	5804	012181859650		20	
85940	PVC For 2" Pipe	4802	012181859407		20	
85950	PVC For 3" Pipe	4803	012181859506		20	
85941	PVC For 3" HUB	4803H	012181859414		20	
85960	PVC For 4" Pipe	4804	012181859605		20	
85942	PVC For 4" HUB	4804H	012181859421		20	



**Snap-In Plastic Drain with Stainless Steel Cover**

85951	PVC For 3" Pipe	4803S	012181859513		20	
85961	PVC For 4" Pipe	4804S	012181859612		20	



**2" X 3" (Fits 2" or 3" DWV Pipe)**

85820	ABS with Stainless Steel Cover-all Strainer	5840S2	12181858202		20	
82151	ABS with SS Cover-all Strainer – Display Pack	R5842S	12181821510		6	
85830	ABS with Chromed Brass Cover-all Strainer	5840B2	12181858301		20	
85815	PVC with Stainless Steel Cover-all Strainer	4840S2	12181858158		20	
82150	PVC with SS Cover-all Strainer – Display Pack	R4842S	12181821503		6	
85816	PVC with Stainless Steel Strainer	4840PS2	12181858165		20	
85825	PVC with Chromed Brass Cover-all Strainer	4840B2	12181858301		20	

**3" X 4" (Fits 3" or 4" DWV Pipe)**

85840	ABS with Stainless Steel Strainer	5840S3	12181858400		20	
82156	ABS with Stainless Steel Strainer – Display Pack	R5843S	12181821565		6	
85850	ABS with Chromed Brass Strainer	5480B3	12181858509		20	
85835	PVC with Stainless Steel Strainer	4840S3	12181858356		20	
85845	PVC with Chromed Brass Strainer	4840B3	12181858455		20	

**4" (Fits 4" DWV Pipe)**

85860	ABS with Chromed Brass Strainer	5840B4	12181858608		20	
85855	PVC with Chromed Brass Strainer	4840B4	12181858554		20	



### General Purpose Area Drain

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82338	2" x 3" PVC	4880	12181823385		10	
82339	2" x 3" ABS	5880	12181823385		10	



### Press-In Stainless Steel Drain Covers

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67033	3" for 1 1/2" Pipe	ABA2462	767580014758		25	
67034	3" for 2" Pipe	ABA2463	767580014765		25	
67035	4" for 3" Pipe	ABA2464	767580014772		25	
67036	5" for 4" Pipe	ABA2465	767580014789		25	



### Bell Trap Drain

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82320	6" x 6" with Outlet for 1 1/2" or 2" PVC Pipe*	BTP612	12181823200		20	
82325	9" x 9" with Outlet for 3" or 4" PVC Pipe	BTP934	12181823255		10	
82330	9" x 9" with Outlet for 4" PVC Pipe (Hub Fit)	BTP940	12181823309		10	

*\*Use 2" Coupling to Convert to 2" Outlet*



### Floor Drain – PVC with Grate

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
65810	3" PVC with PVC Grate	ABA8510	767580028779		1	
65358	4" PVC with PVC Grate	ABA8513	767580028809		1	



### Commercial Roof Drains

• Plastic drain assemblies with cast iron or plastic domes

• Underdeck clamping collar available.

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86120	With Plastic Dome for 3" ABS Pipe	BTP940	12181823309		10	
86122	With Plastic Dome for 4" ABS Pipe	BTP940	12181823309		10	
86100	With Cast Iron Dome for 3" ABS Pipe	BTP940	12181823309		10	
86110	With Cast Iron Dome for 4" ABS Pipe	BTP940	12181823309		10	
86115	With Plastic Dome for 3" PVC Pipe	BTP940	12181823309		10	
86121	With Plastic Dome for 4" PVC Pipe	BTP940	12181823309		10	
86095	With Cast Iron Dome for 3" PVC Pipe	BTP940	12181823309		10	
86105	With Cast Iron Dome for 4" PVC Pipe	BTP940	12181823309		10	
86125	Underdeck Clamping Collar for Above Roof Drains	BTP940	12181823309		10	



## CATEGORY 7

### Integral Trap Floor Drain



- One piece ABS or PVC drain body
- Conforms to ASTM D2661 (ABS) / ASTM D2665 (PVC)
- Factory installed 1 1/2" cleanout plug
- 3 3/4" deep sump bowl
- 3" trap seal
- Available with or without backwater device

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82332	2" ABS Floor Drain with Integral Trap	5878	012181823323		10	
82334	2" ABS Floor Drain with Trap/ Backwater Device	5879	012181823347		10	
82331	2" PVC Floor Drain with Integral Trap	4878	012181823316		10	
82336	2" PVC Floor Drain with Integral Trap – Bulk Pack	4878B	012181823361		90	
82333	2" PVC Floor Drain with Trap/ Backwater Device	4879	012181823330		10	
82335	Backwater Device for 2" FIP Threads	BD2	012181823354		10	

### Pop Valve™ Relief Valve



- Automatic relief valve for sewer cleanout riser. Relieves blocked sewage outside house, preventing potentially costly property damage inside.
- For standard 3" or 4" cleanout connections
- Individually boxed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
86010	Pop Valve™ Relief Valve	RSP1	012181860106		12	

### Backwater Valves



- Positive sealing / backflow prevention
- With screw-in cover

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>With Plastic Screw-in Cover</b>						
86215	Fits 3" Sch. 40 ABS Pipe	BWV3A	012181862155		4	
86225	Fits 4" Sch. 40 ABS Pipe	BWV4A	012181862254		2	
86210	Fits 3" Sch. 40 PVC Pipe	BWV3P	012181862100		4	
86220	Fits 4" Sch. 40 PVC Pipe	BWV4P	012181862209		2	
86235	Fits 6" Sch. 40 PVC Pipe	BWV6P	012181862353		1	
<b>With 18" Plastic Access Sleeve and Snap-on Cover</b>						
86216	Fits 3" Sch. 40 ABS Pipe	BWV3AS	012181862162		1	
86226	Fits 4" Sch. 40 ABS Pipe	BWV4AS	012181862261		1	
86211	Fits 3" Sch. 40 PVC Pipe	BWV3PAS	012181862117		1	
86221	Fits 4" Sch. 40 PVC Pipe	BWV4PAS	012181862216		1	
<b>Backwater Valve Repair Parts</b>						
86213	Cap Only for 3" ABS BWV	BWV3ACAP	012181862131		1	
86214	Cap Only for 3" PVC BWV	BWV3PCAP	012181862148		1	
86229	Cap Only for 4" ABS BWV	BWV4ACAP	012181862292		1	
86224	Cap Only for 4" PVC BWV	BWV4PCAP	012181862247		1	
86218	Lid Only for 3" BWV Sleeve	BWV3ASLID	012181862186		1	
86230	Lid Only for 4" BWV Sleeve	BWV4ASLID	012181862308		1	
86217	Flapper & Gasket Only for 3" ABS BWV	BWV3FA	012181862179		1	
86212	Flapper & Gasket Only for 3" PVC BWV	BWV3FP	012181862124		1	
86227	Flapper & Gasket Only for 4" ABS BWV	BWV4FA	012181862278		1	
86223	Flapper & Gasket Only for 4" PVC BWV	BWV4FP	012181862230		1	
86238	Flapper & Gasket Only for 6" PVC BWV	BWV6FP	012181862384		1	

### Plastic Saddle Tee Kits

- Includes saddle tee, V-bolts, nuts and washer
- Individually bagged
- Used for tapping into a 3" or 4" DWV line

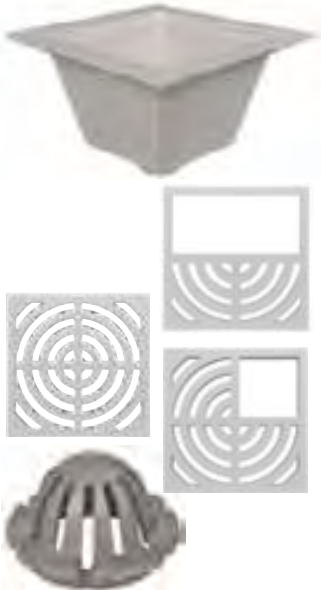
Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82650	2" Inlet for 3" Sch. 40 DWV PVC Pipe	4870K	012181826508		20	
82655	2" Inlet for 4" Sch. 40 DWV PVC Pipe	4871K	012181826553		20	
82660	3" Inlet for 4" Sch. 40 DWV PVC Pipe	R4873K	012181826607		10	
82652	4" Inlet for 4" Sch. 40 DWV PVC Pipe	4872K	012181826522		10	
86310	Sponge Saddle Gasket for Saddle Tees	SADGAS	012181863107		20	



### Floor Sinks – PVC – 12" x 12" Flange Dimension

- ¾" top grate available in three styles: full, three-quarter and half
- Aluminum dome strainers or flat strainers available

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
60527	2" Sink Base Only	ABA8575	767580029240		3	
60533	2" Sink with Full Grate and Dome Strainer	ABA8576	767580077630		1	
60954	2" Sink with Full Grate and Flat Bottom Strainer	ABA8592	767580609541		1	
65801	3" Sink Base Only	ABA8579	767580029288		3	
60525	3" Sink with Full Grate and Dome Strainer	ABA8580	767580029295		1	
60949	3" Sink with Full Grate and Flat Bottom Strainer	ABA8591	767580609497		1	
60528	4" Sink Base Only	ABA8583	767580029325		3	
60535	4" Sink with Full Grate and Dome Strainer	ABA8584	767580605352		1	
60955	4" Sink with Full Grate and Flat Bottom Strainer	ABA8593	767580609558		1	
69223	Full Grate Only	ABA8810	767580030260		12	
69224	Three-quarter Grate Only	ABA8811	767580030277		12	
65802	Half Grate Only	ABA8812	767580030284		12	
69245	2" Aluminum Dome Strainer	ABA8587	767580029363		1	
69246	3" Aluminum Dome Strainer	ABA8588	767580029370		1	
69705	4" Aluminum Dome Strainer	ABA8589	767580029387		1	
69244	Flat Bottom Strainer	ABA8590	767580029400		1	



### ABACO Floor Cleanout Access Covers

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
65364	Square Crown 7" with Screws	ABA8870	767580030475		6	
65303	Round Crown 6" with Screws	ABA8880	767580030499		6	
65365	Round Crown 7" with Screws	ABA8884	767580030505		6	



## CATEGORY 8

### Fiberglass and Acrylic Floor Shower Drains

- Available connections: solvent weld, SUREFIT, caulk, no-caulk, • Designed for pre-formed shower bases and 2" male IPS



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Solvent Weld – 2"</b>						
67015	ABS – White Plastic Strainer – Snap-in (#7210)	ABA3400	767580016448		36	
67017	PVC – White Plastic Strainer – Snap-in (#7210)	ABA3408	767580016493		36	
67016	ABS – Stainless Steel Strainer – Snap-in (#7200)	ABA3401	767580016455		36	
67018	PVC – Stainless Steel Strainer – Snap-in (#7200)	ABA3409	767580016509		36	
<b>Solvent Weld OR No-Caulk – 2"</b>						
86055	ABS – Stainless Steel Strainer – Snap-in (#6305)	5820G	012181860557		20	
82407	ABS – Stainless Steel Strainer – Snap-in – Display Pack	R5820G	012181824078		6	
86050	PVC – Stainless Steel Strainer – Snap-in (#6305)	4820G	012181860502		20	
82405	PVC – Stainless Steel Strainer – Snap-in – Display Pack	R4820G	012181824054		6	
<b>SUREFIT Joint – 2"</b>						
67012	ABS – White Plastic Strainer – Snap-in (#7210)	ABA3200	767580016189		20	
67065	PVC – White Plastic Strainer – Snap-in (#7210)	ABA3202	767580016219		20	
67013	ABS – Stainless Steel Strainer – Snap-in (#7200)	ABA3201	767580016196		20	
67014	PVC – Stainless Steel Strainer – Snap-in (#7200)	ABA3203	767580016226		20	
<b>No-Caulk – 2"</b>						
67021	White Plastic with Plastic Strainer – Snap-in (#7210)	ABA3520	767580016851		36	
67022	White Plastic with SS Strainer – Snap-in (#7200)	ABA3521	767580016868		36	
67040	Caulk Type – Brass Body – 2" – SS Snap-in (#7101)	ABA6500	767580021091		18	
67043	Plumbers Pack (Grate Packaged Separately)	ABA6500PP	767580047169		18	
67041	SUREFIT Joint – Brass Body – 2" – SS Snap-in (#7101)	ABA6508	767580021152		18	
<b>No-Caulk 2" – Brass Body</b>						
67042	Stainless Steel Strainer – Snap-in (7200 Series)	ABA6520	767580021282		18	
67218	2" Male IPS – Brass Body – SS Strainer (7200 Series)	ABA6828	767580047831		8	

### Receptor Base Fiberglass Shower Drains



- 2" solvent weld connection
- Stainless steel strainer
- Offset drain option

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Solvent Weld – 2" Hex Bottom – SS Strainer (#7130)</b>						
67019	ABS	ABA3420	767580016561		20	
67020	PVC	ABA3425	767580016592		20	
<b>Solvent Weld – 2" Rib Grip – SS Strainer (#7130)</b>						
67030	ABS	ABA3450	767580016646		20	
67031	PVC	ABA3456	767580016691		20	

### Offset Shower Drains

- 2" solvent weld connection
- Stainless steel strainer
- Offset drain option

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Solvent Weld – 2" – SS Strainer (#7130)</b>						
67032	ABS	ABA3465	767580016783		20	
67076	PVC	ABA3469	767580016813		20	



### Receptor Base Drain Components

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Plastic Shower Drain Locknut (For 3400 Series)</b>						
69521	ABS	ABA7005	767580023187		15	
68068	PVC	ABA7006	767580680687		15	
69202	"No-Caulk" Neoprene Sealing Joint	ABA7215	767580024641		15	
69203	Caulking Key	ABA7218	767580024658		15	
<b>Inside Caulking Ring</b>						
69204	Brass	ABA7226	767580024702		15	

### Low Profile Adjustable Shower Drain with Reversible Clamping Ring

- Available connections: 2" x 3" solvent weld or 2" no-caulk
- Available strainers: round stamped stainless steel, round heavy duty cast brass, and square heavy duty cast brass

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Body, Flange, and Tailpiece – 2" x 3" Solvent Weld</b>						
89552	Cover-all Stainless Steel Strainer (#7130)	5855S	012181895528		20	
67007	Stainless Steel Strainer (#7102)	ABA4433	767580017926		20	
89549	H.D. Cover-all Chrome Brass Strainer (#6320)	5855B	012181895498		20	
67005	Round Chromed Cast Brass Strainer (7207 Series)	ABA4415	767580017902		4	
89550	H.D. Square Chrome Brass Strainer (#6323)	5855BSQ	012181895504		20	
<b>Square Cast Brass Strainer (72121 Series)</b>						
67010	Chrome	ABA44331	767580017933		4	
67095	Satin Nickel	ABA44382SN	767580018039		4	
67096	Venetian Bronze	ABA44382VB	767580046698		4	
67093	Oil Rubbed Bronze	ABA44382ORB	767580046681		4	
<b>PVC Body, Flange, and Tailpiece – 2" x 3" Solvent Weld</b>						
89406	Cover-all Stainless Steel Strainer (#7130)	4855S	012181894064		20	
85987	Stainless Steel Strainer (#7102)	4855PS	012181859872		20	
67008	Stainless Steel Strainer (#7102)	ABA4436	767580017964		20	
89403	H.D. Cover-all Chrome Brass Strainer (#6320)	4855B	012181894033		20	
67006	Round Chromed Cast Brass Strainer (7207 Series)	ABA4416	767580017919		4	
89404	H.D. Square Chrome Brass Strainer (#6323)	4855BSQ	012181894040		4	
<b>Square Cast Brass Strainer (72121 Series)</b>						
67011	Chrome	ABA44361	767580017971		4	
67105	Satin Nickel	ABA49592SN	767580046759		4	
67107	Venetian Bronze	ABA49592VB	767580046773		4	
67103	Oil Rubbed Bronze	ABA49592ORB	767580018374		4	
<b>PVC Body, Flange, and Tailpiece – 2" No-Caulk Connection</b>						
89410	Cover-all Stainless Steel Strainer (#7130)	4860S	012181894101		20	



## CATEGORY 8

### Low Profile Adjustable Shower Drain with Reversible Clamping Ring – Brass Barrel

- Available connections: 2" x 3" solvent weld or 2" no-caulk
- Available strainers: round stamped stainless steel, round heavy duty cast brass, or square heavy duty cast brass



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Body, Flange, and Brass Tailpiece w/ Matching Finish- 2" x 3" Solvent Weld</b>						
<b>Round Cast Brass Strainer (7212 Series)</b>						
67111	Chrome	ABA4988	767580018688		4	
67119	Satin Nickel	ABA4990SN	767580018725		1	
67342	Venetian Bronze	ABA4990VB	767580673429		1	
67118	Oil Rubbed Bronze	ABA4990ORB	767580046834		1	
67274	Polished Nickel	ABA4990PN	767580672743		1	
<b>Square Cast Brass Strainer (72121 Series)</b>						
67110	Chrome	ABA49861	767580018657		4	
67116	Satin Nickel	ABA49901SN	767580046810		1	
67117	Venetian Bronze	ABA49901VB	767580046827		1	
67113	Oil Rubbed Bronze	ABA49901ORB	767580046780		1	
67941	Polished Nickel	ABA49901PN	767580075940		1	
<b>PVC Body, Flange, and Brass Tailpiece w/ Matching Finish- 2" x 3" Solvent Weld</b>						
<b>Round Cast Brass Strainer (7212 Series)</b>						
67026	Chrome	ABA4989	767580018695		4	
67131	Satin Nickel	ABA4991SN	767580018817		1	
67132	Venetian Bronze	ABA4991VB	767580046889		1	
67128	Oil Rubbed Bronze	ABA4991ORB	767580018787		1	
67129	Polished Nickel	ABA4991PN	767580018794		1	
<b>Square Cast Brass Strainer (72121 Series)</b>						
67027	Chrome	ABA49871	767580018671		4	
67124	Satin Nickel	ABA49912SN	767580018770		1	
67127	Venetian Bronze	ABA49912VB	767580046872		1	
67122	Oil Rubbed Bronze	ABA49912ORB	767580046841		1	
67123	Polished Nickel	ABA49912PN	767580018763		1	

### Standard Floor and Shower Drains with Membrane Clamping Ring



- 2" x 3" solvent weld connection

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Body, Flange, and Tailpiece – 2" x 3" Solvent Weld</b>						
85975	Cover-all Snap-On SS Strainer (#6305)	5850S2	012181859759		20	
85985	Cover-all Stainless Steel Strainer (#6309)	58500S	012181859858		20	
85995	H.D. Cover-all Chrome Brass Strainer (#6320)	5850B2	012181859957		20	
<b>PVC Body, Flange, and Tailpiece – 2" x 3" Solvent Weld</b>						
85984	Cover-all Snap-On SS Strainer (#6305)	4850S2	012181859841		20	
85992	Cover-all Snap-On White Enamel Strnr (#6305W)	4850W	012181859926		20	
85986	Stainless Steel Strainer (#6303)	4850PS	012181859865		20	
85980	Cover-all Stainless Steel Strainer (#6309)	48500S	012181859803		20	
85990	Cover-all Chrome Brass Strainer (#6320)	4850B2	012181859902		20	

### LA-Style Cast Iron EZZ Set Shower Drains

Available connections:

- 1-½" IPS
- 2" IPS
- 2" caulk
- 2" no-caulk
- 2" No-hub
- 2" solvent weld
- 2" SUREFIT

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Cast Iron Top and Body – Chrome Plated Grill &amp; Crown (#7120)</b>						
67142	1 ½ IPS	ABA5060	767580019289		1	
67002	2" IPS	ABA5065	767580019326		4	
67144	2" Caulk	ABA5070	767580019388		4	
67003	2" No-hub	ABA5073	767580019418		4	
67146	2" Caulk w/ Rubber Connector	ABA5074	767580019432		4	
<b>Cast Iron Top with Plastic Body – Chrome Plated Grill &amp; Crown (#7120)</b>						
67001	ABS – 2" Solvent Weld	ABA5040	767580019104		4	
67140	PVC – 2" Solvent Weld	ABA5045	767580019135		4	
67141	ABS – SUREFIT Connection	ABA5050	767580019197		4	
<b>Plastic Top with Plastic Body – Chrome Plated Grill &amp; Crown (#7120)</b>						
67000	ABS – 2" Solvent Weld	ABA5000	767580018909		15	
67136	PVC – 2" Solvent Weld	ABA5008	767580018954		15	
67138	PVC – SUREFIT Connection	ABA5020	767580019043		15	



### Cast Iron Adjustable Shower Drain

Available connections:

- 2" IPS
- 2" caulk
- 2" no-hub
- 2" no-caulk

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>2" IPS Drain with Round Cast Brass Grate and Strainer (7212 Series)</b>						
67154	Chrome	ABA52007212	767580020254		4	
<b>2" Caulk Drain with Round Cast Brass Grate and Strainer (7212 Series)</b>						
67159	Chrome	ABA52047212	767580020384		4	
<b>2" No-hub Drain with Round Cast Brass Grate and Strainer (7212 Series)</b>						
67160	Chrome	ABA52087212	767580046995		4	
<b>2" Caulk Drain with Rubber Gasket – Round Cast Brass Grate and Strainer (7212 Series)</b>						
67167	Chrome	ABA52107212	767580047053		4	
<b>2" IPS Drain with Square Cast Brass Grate and Strainer (7212 Series)</b>						
67155	Chrome	ABA520072121	767580020261		4	
<b>2" Caulk Drain with Square Cast Brass Grate and Strainer (72121 Series)</b>						
67271	Chrome	ABA520472121	767580078811		4	
<b>2" No-hub Drain with Square Cast Brass Grate and Strainer (72121 Series)</b>						
67161	Chrome	ABA520872121	767580047008		4	
<b>2" Caulk Drain with Rubber Gasket – Square Cast Brass Grate and Strainer (72121 Series)</b>						
67388	Chrome	ABA521072121	767580673887		4	



## CATEGORY 8

### Drain with 1 1/2" Top Flange



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Flange &amp; Body – 2" Solvent Weld Connection</b>						
67024	White Plastic Snap-in Grate (#7103)	ABA3900	767580017049		15	
67025	Stainless Steel Snap-in Grate(#7200)	ABA3901	767580017056		15	
67079	Stainless Steel Screw-down Grate (#7102)	ABA3902	767580017070		15	
<b>ABS Flange &amp; Body – 2" SUREFIT Connection</b>						
67078	White Plastic Snap-in Grate (#7103)	ABA3600	767580016929		15	
67023	Stainless Steel Snap-in Grate(#7200)	ABA3601	767580016936		15	

### General Purpose Drains



- 1 1/2" male IPS
- For mobile homes & RVs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67028	White Plastic Grate – Snap-in (#7103)	ABA3100	767580016059		36	
67029	Stainless Steel Grate – Snap-in (#7101)	ABA3101	767580016066		36	

### Shower Drains – Components

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
69500	SUREFIT Gasket Set	ABA2400	767580014550		36	
69232	Rubber Drain Connector <i>For Use in Cast Iron Caulk Drains</i>	ABA6910	767580023033		6	

### Cast Bronze Shower Drains – Complete



- Available connections:
- 2" IPS
  - 2" caulk
  - 2" sweat

Strainer options:

- Stamped stainless steel
- Round heavy duty cast brass
- Square heavy duty cast brass

- 1-3/8" or 2-1/2" barrel lengths available

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>1 3/8" Brass Barrel w/ 4 1/2" Stainless Steel Grate (#7135)</b>						
67037	2" Caulk	ABA6410	767580020940		18	
67038	2" IPS	ABA6420	767580020988		18	
67178	2" Sweat	ABA6430	767580021053		8	
<b>2 1/2" Brass Barrel w/ 4 1/2" Stainless Steel Grate (#7135)</b>						
67177	2" Caulk	ABA6415	767580020964		8	
67039	2" IPS	ABA6425	767580021039		8	
67179	2" Sweat	ABA6435	767580021077		8	
<b>1 3/8" Barrel and 4 1/4" Square Cast Brass Grate (72121 Series)</b>						
67190	2" Caulk Chrome	ABA6600	767580021428		8	
67193	2" IPS Chrome	ABA6610	767580021442		18	
67196	2" Sweat Chrome	ABA6620	767580021497		8	
<b>2 1/2" Barrel and 4 1/4" Square Cast Brass Grate (72121 Series)</b>						
67192	2" Caulk Chrome	ABA6605	767580021435		8	
67044	2" IPS Chrome	ABA6615	767580021459		18	
67197	2" Sweat Chrome	ABA6622	767580047367		8	



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### Brass Body Shower Drain

- Adjustable with clamping ring

**NEW**

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
67240	2" FIP with Chrome Plated Stainless Steel Grate	ABA6320	767580672408		4	



### Cast Bronze Shower Drains – Components

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
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#### Cast Brass Drain Body Only (6400, 6500, 6600 Series)

68261	2" Caulk	ABA7232	767580682612		1	
67205	2" IPS	ABA7233	767580024757		1	
68239	2" Sweat	ABA7234	767580682391		1	

#### 1 3/8" Brass Barrel Only (6500, 6600 Series)

67203	Standard Brass Barrel (6400 Series)	ABA7230	767580024726		1	
67206	Chrome	ABA7240	767580048807		1	

#### 2 1/2" Brass Barrel Only (6500, 6600 Series)

67204	Standard Brass Barrel (6400 Series)	ABA7231	767580024733		1	
67207	Chrome	ABA7242	767580048814		1	

#### Round Stainless Steel Grate w/ Screws (7135 Series) – For 6400 Series Bronze Drains Only

69552	Chrome – Carded	ABA7135CARD	767580061462		6	
69553	Polished Brass – Carded	ABA7136CARD	767580061479		6	
69289	Satin Nickel – Carded	ABA7137SNCARD	767580077104		6	
67491	Venetian Bronze – Carded	ABA7137VBCARD	767580674914		6	
69128	Oil Rubbed Bronze – Carded	ABA7137ORBCARD	767580691287		6	
69326	Polished Nickel – Carded	ABA7137PNCARD	767580693267		6	

#### Screws for Brass Body Drains (6400, 6500, 6600 series) – 1/4" 8-32

60053	For CP, SN, PN, SC, SP	ABAB8827	767580600531		10	
60082	For PB	ABA8827	767580600821		10	
60093	For VB, ORB	ABA8827ORB	767580600937		10	
69840	Friction Ring & Gasket Set	ABA6861	767580698408		12	

## CATEGORY 8

### Shower Drain Grates – Screw Down with Screws for Both Plastic and Brass Tailpieces

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Round 4" Steel Grate w/ Screws – 3 3/8" Center to Center – For Plastic Strainer Barrels (7102 Series)</b>						
69523	Chrome	ABA7102	767580023484		15	
69835	Chrome – Carded	ABA7102CARD	767580077876		15	
69542	Polished Brass – Carded	ABA7102PBCARD	767580061370		1	
69543	Satin Nickel – Carded	ABA7102SNCARD	767580061387		1	
69544	Venetian Bronze – Carded	ABA7102VBCARD	767580061394		1	
69541	Oil Rubbed Bronze – Carded	ABA7102ORBCARD	767580061363		1	
<b>Round 4 1/4" Steel Grate w/ Screws – 2 5/8" Center to Center – For Plastic Strainer Barrels (7130 Series)</b>						
69547	Chrome – Carded	ABA7130CARD	767580061417		12	
69548	Polished Brass – Carded	ABA7131CARD	767580061431		1	
69775	Satin Nickel – Carded	ABA7133SNCARD	767580055560		1	
69836	Venetian Bronze – Carded	ABA7133VBCARD	767580077883		1	
69280	Oil Rubbed Bronze – Carded	ABA7133ORBCARD	767580076435		1	
<b>Round 3 1/4" Steel Grate w/ Screws – 2 5/8" Center to Center – For 5000 Series Drains (7120 Series)</b>						
69569	Chrome Grate & Crown	ABA5145	767580020063		15	
69615	Satin Nickel Grate & Crown	ABA5149SN	767580020148		1	
69617	Venetian Bronze Grate & Crown	ABA5149VB	767580046988		1	
69614	Oil Rubbed Bronze Grate & Crown	ABA5149ORB	767580046964		1	
<b>Round 4 1/4" Cast Brass Shower Grate w/ Screws on 3 3/8" Center – For Plastic Strainer Barrels (7207 Series)</b>						
63347	Chrome – Carded	ABA7207CARD	767580633478		15	
67302	Polished Brass – Carded	ABA7208PBCARD	767580673023		1	
69837	Satin Nickel – Carded	ABA7208SNCARD	767580077845		1	
69834	Venetian Bronze – Carded	ABA7208VBCARD	767580077869		1	
67301	Oil Rubbed Bronze – Carded	ABA7208ORBCARD	767580673016		1	
67303	Polished Nickel – Carded	ABA7208PNCARD	767580673030		1	
<b>Round 3 1/8" Cast Brass Shower Grate w/ Screws on 3 3/8" Center – For Brass Strainer Barrels (7212 Series)</b>						
63349	Chrome – Carded	ABA7212CARD	767580633492		15	
63350	Polished Brass – Carded	ABA7213PBCARD	767580633508		1	
67312	Satin Nickel – Carded	ABA7213SNCARD	767580673122		1	
67315	Venetian Bronze – Carded	ABA7213VBCARD	767580673153		1	
67309	Oil Rubbed Bronze – Carded	ABA7213ORBCARD	767580673092		1	
67310	Polished Nickel – Carded	ABA7213PNCARD	767580673108		1	
<b>Round 4 1/4" Brass Shower Grate w/ Screws on 2 5/8" Center (6320 Series)</b>						
88150	Chrome	6320	012181-881507		1	
86035	Polished Brass	6320PB	012181-860359		1	
<b>Square 4 1/4" Cast Brass Shower Grate w/ Screws on 3 3/8" Center (72121 Series)</b>						
69799	Chrome – Carded	ABA72121CARD	767580697999		6	
69801	Polished Brass – Carded	ABA72131CARD	767580698019		1	
69802	Satin Nickel – Carded	ABA72132SNCARD	767580698026		1	
69803	Venetian Bronze – Carded	ABA72132VBCARD	767580698033		1	
69804	Oil Rubbed Bronze – Carded	ABA72132ORBCARD	767580698040		1	
69805	Polished Nickel – Carded	ABA72132PNCARD	767580698057		1	
<b>Square 4 1/4" Brass Shower Grate w/ Screws on 2 5/8" Center (6323 Series)</b>						
93016	Chrome	6323	012181-930168		1	
88151	Polished Brass	6323PB	012181-881514		1	
88153	Venetian Bronze	6323VB	012181-881538		1	



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### Shower Drain Grates – Snap-in

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Round 4 1/4" Snap-In Steel Grate (7101 Series)</b>						
69774	Chrome – Carded	ABA7101CARD	767580055546		15	
68691	Polished Brass – Carded	ABA7101PBCARD	767580077609		1	
64991	Satin Nickel – Carded	ABA7101SNCARD	767580077029		1	
69536	Venetian Bronze – Carded	ABA7101VBCARD	767580061349		1	
69530	Oil Rubbed Bronze – Carded	ABA7101ORBCARD	767580061288		1	
69524	White (Plastic ABS)	ABA7103	767580023637		15	
69770	White (Plastic ABS) – Carded	ABA7103CARD	767580050718		1	
<b>Round 4 5/16" Snap-In Steel Grate (6305 Series)</b>						
88135	Chrome	6305	012181-881354		1	
82455	Antique Brass	6305AB	012181-824559		1	
82460	Polished Brass	6305PB	012181-824603		1	
82461	Satin Nickel	6305NP	012181-824614		1	
86091	Venetian Bronze	6305VB	012181-860915		1	
82452	White	6305W	012181-824528		1	
<b>Round 4 1/4" Snap-In Steel Grate (7200 Series)</b>						
69554	Chrome	ABA7200	767580024320		15	
69555	Chrome – Carded	ABA7200CARD	767580061486		15	
63346	Polished Brass – Carded	ABA7203CARD	767580633461		1	
69560	Satin Nickel – Carded	ABA7205SNCARD	767580061523		1	
69776	Venetian Bronze – Carded	ABA7205VBCARD	767580055591		1	
69773	Oil Rubbed Bronze – Carded	ABA7205ORBCARD	767580050732		1	



## CATEGORY 9

### Schedule 40 Waste & Overflow – “Classic” w/ Test Kit – Full Kits – With Pipe and Tee

- “Classic” with test kit
- Full kits

- With pipe and tee
- *Additional special finish kits available on page 141*



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
62094	Chrome	ABA2225	767580036323		10	
<b>PVC with Push eN Lift Stopper</b>						
61023	Chrome	ABA2226	767580036330		10	
<b>ABS with Turn Top Stopper</b>						
61741	Chrome	ABA2258	767580617416		10	
<b>PVC with Turn Top Stopper</b>						
61025	Chrome	ABA2259	767580036415		10	
<b>ABS with Touch Toe Stopper</b>						
61236	Standard Stopper – Chrome	ABA2242CS	767580045264		10	
<b>PVC with Touch Toe Stopper</b>						
61024	Standard Stopper – Chrome	ABA2243CS	767580045271		10	
<b>ABS with Flip Top Stopper</b>						
61226	Chrome	ABA2210	767580620935		10	
<b>PVC with Flip Top Stopper</b>						
61227	Chrome	ABA2211	767580036293		10	

### Schedule 40 Waste & Overflow – “Classic” w/ Test Kit – Full Kits – With 16" FLEX Pipe and Tee

- “Classic” with test kit
- Full kits
- With 16" FLEX pipe and tee

- Also available with 24" FLEX pipe – call for information
- *Additional special finish kits available on page 141*



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>PVC with Push eN Lift Stopper</b>						
61231	Chrome	ABA2226FLEX	767580044977		12	
61032	Chrome with Zinc Strainer	ABA2226FLEXZ	767580044984		12	
<b>PVC with Turn Top Stopper</b>						
62139	Chrome	ABA2259FLEX	767580045431		12	
<b>PVC with Touch Toe Stopper</b>						
61237	Chrome	ABA2243FLEXCS	767580045288		12	

### Schedule 40 Waste & Overflow – “Classic” w/ Test Kit – Half Kits – Rough-In Only

• Less Pipe and Tee

• Includes Strainer

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS</b>						
62070	Chrome	ABA2217RI	767580044618		20	
62072	Chrome with Zinc Strainer	ABA2217RIPZ	767580044632		20	
62497	Satin Nickel	ABA2221SNRI	767580044823		6	
62262	Venetian Bronze	ABA2221VBRI	767580622625		6	
62492	Oil Rubbed Bronze	ABA2221ORBRI	767580044809		6	
<b>PVC</b>						
62073	Chrome	ABA2218RI	767580044687		20	
62078	Chrome with Slip Condensate Overflow Elbow	ABA22181RICOS	767580044694		20	
62074	Chrome with Threaded Condensate Overflow Elbow	ABA22181RICOT	767580044700		20	
62075	Chrome with Metal Test kit	ABA2218RIM	767580044717		20	
62076	Chrome with Zinc Strainer	ABA2218RIZ	767580044724		20	
62079	Chrome with Zinc Strainer for Turn Top Stopper	ABA2251RIZ	767580045325		20	
62088	Satin Nickel	ABA2222SNRI	767580037962		6	
62263	Venetian Bronze	ABA2222VBRI	767580622632		6	
62249	Oil Rubbed Bronze	ABA2222ORBRI	767580622496		6	



### Trim Kit Only (Stopper and Classic Overflow Plate)

• For both ABS and PVC rough-in kits shown above

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper</b>						
62082	Chrome	ABA2218TK	767580044748		20	
62087	Chrome ABS Stopper	ABA2218TKPZ	767580044755		20	
62498	Satin Nickel	ABA2221SNTK	767580044830		6	
62264	Venetian Bronze	ABA2221VBTK	767580622649		6	
62493	Oil Rubbed Bronze	ABA2221ORBTK	767580044816		6	
<b>Turn Top Stopper</b>						
61050	Chrome	ABA2250TK	767580036934		20	
62325	Chrome with Zinc Stopper	ABA2250TKZ	767580078903		20	
62265	Satin Nickel	ABA2255SNTK	767580622656		6	
62266	Venetian Bronze	ABA2255VBTK	767580622663		6	
62267	Oil Rubbed Bronze	ABA2255ORBTK	767580622670		6	



## CATEGORY 9

### Schedule 40 Waste & Overflow – "Classic" w/ Test Kit – Half Kits – Complete (Less Pipe & Tee)

• Additional special finish kits available on page 141

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
62001	Chrome	ABA2217	767580036309		20	
62003	Chrome with Zinc Strainer	ABA2217Z	767580044670		20	
62002	Chrome with Zinc Strainer and ABS Stopper	ABA2217PZ	767580041082		20	
62486	Chrome with Metal Test kit	ABA2217M	767580038822		20	
62005	Satin Nickel	ABA2221SN	767580037221		20	
62006	Venetian Bronze	ABA2221VB	767580044854		20	
62004	Oil Rubbed Bronze	ABA2221ORB	767580037559		20	
<b>PVC with Push eN Lift Stopper</b>						
62007	Chrome	ABA2218	767580036316		20	
62038	Chrome with Zinc Strainer	ABA2218Z	767580040054		20	
62037	Chrome with Zinc Strainer and ABS Stopper	ABA2218PZ	767580041075		20	
62487	Chrome with Metal Test kit	ABA2218M	767580044779		20	
62009	Satin Nickel	ABA2222SN	767580037238		20	
62092	Venetian Bronze	ABA2222VB	767580044953		20	
62008	Oil Rubbed Bronze	ABA2222ORB	767580038815		20	
<b>ABS with Turn Top Stopper</b>						
62127	Chrome	ABA2250	767580036385		20	
62015	Chrome with Zinc Strainer and Stopper	ABA2250Z	767580040801		20	
62233	Satin Nickel	ABA2254SN	767580076978		6	
62132	Venetian Bronze	ABA2254VB	767580045363		6	
62130	Oil Rubbed Bronze	ABA2254ORB	767580045349		6	
<b>PVC with Turn Top Stopper</b>						
62016	Chrome	ABA2251	767580036392		20	
62017	Chrome with Zinc Strainer and Stopper	ABA2251Z	767580037115		20	
62136	Satin Nickel	ABA2255SN	767580045400		6	
62231	Venetian Bronze	ABA2255VB	767580076947		6	
62135	Oil Rubbed Bronze	ABA2255ORB	767580045394		6	
<b>ABS with Touch Toe Stopper</b>						
62012	Chrome	ABA2234CS	767580045028		20	
62109	Satin Nickel	ABA2238SNCS	767580045127		6	
62915	Venetian Bronze	ABA2238VBCS	767580077401		6	
62104	Oil Rubbed Bronze	ABA2238ORBCS	767580045073		6	
<b>PVC with Touch Toe Stopper</b>						
62013	Chrome	ABA2235CS	767580038457		20	
62014	Satin Nickel	ABA2239SNCS	767580040603		6	
62124	Venetian Bronze	ABA2239VBCS	767580045240		6	
62117	Oil Rubbed Bronze	ABA2239ORBCS	767580040917		6	
<b>ABS with Flip Top Stopper</b>						
62480	Chrome	ABA2200	767580036262		6	
<b>PVC with Flip Top Stopper</b>						
62000	Chrome	ABA2201	767580036279		6	

### Schedule 40 Waste & Overflow – "Classic" w/ Test Kit – Half Kits – Complete (Less Pipe & Tee) Straight Drain Fitting

• Additional special finish kits available below

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
62142	Chrome – Hub Adapter	ABA2282	767580036460		6	
62275	Chrome – Spigot Adapter	ABA2290	767580622755		6	
<b>PVC with Push eN Lift Stopper</b>						
62276	Chrome – Hub Adapter	ABA2283	767580622762		6	
62277	Chrome – Spigot Adapter	ABA2291	767580622779		6	
<b>ABS with Touch Toe Stopper</b>						
62278	Chrome – Hub Adapter	ABA2298CS	767580622786		6	
62279	Chrome – Spigot Adapter	ABA2306CS	767580622793		6	
<b>PVC with Touch Toe Stopper</b>						
62145	Chrome – Hub Adapter	ABA2299CS	767580045516		6	
62280	Chrome – Spigot Adapter	ABA2307CS	767580622809		6	



### Schedule 40 Waste & Overflow – "Classic" – Finish Kits

• Stopper, strainer, and classic overflow plate

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper</b>						
63276	Chrome	ABA2377	767580039027		3	
63281	Polished Brass	ABA2378PB	767580037290		3	
64055	Satin Nickel	ABA2378SN	767580038846		20	
64058	Venetian Bronze	ABA2378VB	767580038648		20	
64054	Oil Rubbed Bronze	ABA2378ORB	767580038358		20	
63282	Polished Nickel	ABA2378PN	767580039652		3	
63285	Satin Chrome	ABA2378SC	767580039669		3	
64056	Satin Pearl	ABA2378SP	767580037306		3	
64059	White	ABA2378W	767580039676		3	
63279	Biscuit	ABA2378BI	767580038693		3	
<b>Turn Top Stopper</b>						
63263	Chrome	ABA2371	767580040948		6	
64061	Satin Nickel	ABA2372SN	767580038396		20	
64062	Venetian Bronze	ABA2372VB	767580045929		20	
64060	Oil Rubbed Bronze	ABA2372ORB	767580040238		20	
<b>Touch Toe Stopper</b>						
63246	Chrome	ABA2365CS	767580045660		6	
63251	Polished Brass	ABA2366PBCS	767580045707		3	
63255	Satin Nickel	ABA2366SNCS	767580045738		6	
63260	Venetian Bronze	ABA2366VBCS	767580045783		6	
63250	Oil Rubbed Bronze	ABA2366ORBCS	767580041259		6	



## CATEGORY 9

### Schedule 40 Waste & Overflow – One-Hole Overflow Full Kits – With Pipe and Tee

• Additional special finish kits available on page 145

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
61026	Chrome	ABA906	767580031281		10	
61281	Chrome with Retaining Clip and Test Kit	ABA906CT	767580031359		10	
61029	Satin Nickel	ABA910SN	767580031564		10	
61289	Satin Nickel with Retaining Clip and Test Kit	ABA910SNCT	767580049248		10	
61292	Venetian Bronze	ABA910VB	767580049279		10	
61293	Venetian Bronze with Retaining Clip and Test Kit	ABA910VBCT	767580049286		10	
61287	Oil Rubbed Bronze	ABA910ORB	767580031533		10	
61288	Oil Rubbed Bronze with Retaining Clip and Test Kit	ABA910ORBCT	767580049231		10	
<b>PVC with Push eN Lift Stopper</b>						
61030	Chrome	ABA911	767580031595		10	
61295	Chrome with Retaining Clip and Test Kit	ABA911CT	767580031601		10	
61268	Satin Nickel	ABA915SN	767580031717		10	
61783	Satin Nickel with Retaining Clip and Test Kit	ABA915SNCT	767580617836		10	
61301	Venetian Bronze	ABA915VB	767580031748		10	
61302	Venetian Bronze with Retaining Clip and Test Kit	ABA915VBCT	767580049316		10	
61297	Oil Rubbed Bronze	ABA915ORB	767580031700		10	
61784	Oil Rubbed Bronze with Retaining Clip and Test Kit	ABA915ORBCT	767580617843		10	
<b>ABS with Turn Top Stopper</b>						
61040	Chrome	ABA1101	767580001642		10	
61054	Chrome with Retaining Clip and Test Kit	ABA1101CT	767580001659		10	
61059	Satin Nickel	ABA1105SN	767580001727		6	
61791	Venetian Bronze	ABA1105VB	767580617911		6	
61057	Oil Rubbed Bronze	ABA1105ORB	767580001703		6	
<b>PVC with Turn Top Stopper</b>						
61042	Chrome	ABA1106	767580001758		10	
<b>ABS with Touch Toe Stopper</b>						
61792	Chrome	ABA1200CS	767580617928		6	
61793	Chrome with Retaining Clip and Test Kit	ABA1200CSCT	767580617935		6	
<b>PVC with Touch Toe Stopper</b>						
61637	Chrome	ABA1210S	767580076633		6	
61799	Chrome with Retaining Clip and Test Kit	ABA1210CSCT	767580617997		6	



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STUDOR  
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### Schedule 40 Waste & Overflow – One-Hole Overflow Half Kits – Complete (Less Pipe and Tee)

• Additional special finish kits available on page 145

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
62021	Chrome	ABA951	767580034114		20	
62022	Chrome with Retaining Clip and Test Kit	ABA951CT	767580034213		20	
62281	Chrome with Retaining Clip and Metal Test Kit	ABA951CM	767580622816		6	
62023	Chrome with Zinc Strainer and ABS Stopper	ABA951PZ	767580034251		20	
62024	Chrome w/ Zinc Strnr, ABS Str, Clip, Metal Test	ABA951PZCT	767580034268		20	
62027	Satin Nickel	ABA955SN	767580034787		20	
62169	Satin Nickel with Retaining Clip and Test Kit	ABA955SNCT	767580034800		6	
62029	Venetian Bronze	ABA955VB	767580034879		20	
62171	Venetian Bronze with Retaining Clip and Test Kit	ABA955VBCT	767580049576		6	
62026	Oil Rubbed Bronze	ABA955ORB	767580034688		20	
62164	Oil Rubbed Bronze with Retaining Clip and Test Kit	ABA955ORBCT	767580034695		6	
<b>PVC with Push eN Lift Stopper</b>						
62030	Chrome	ABA956	767580034923		20	
62033	Chrome with Retaining Clip and Test Kit	ABA956CT	767580034961		20	
62032	Chrome with Retaining Clip and Metal Test Kit	ABA956CM	767580059452		20	
62982	Chrome with Zinc Strainer and ABS Stopper	ABA956PZ	767580075223		20	
62183	Chrome w/ Zinc Strnr, ABS Str, Clip, Metal Test	ABA956PZCT	767580035036		20	
62039	Satin Nickel	ABA960SN	767580035302		20	
62040	Satin Nickel with Retaining Clip and Test Kit	ABA960SNCT	767580035319		6	
62197	Venetian Bronze	ABA960VB	767580049712		20	
62198	Venetian Bronze with Retaining Clip and Test Kit	ABA960VBCT	767580049729		6	
62190	Oil Rubbed Bronze	ABA960ORB	767580035234		20	
62191	Oil Rubbed Bronze with Retaining Clip and Test Kit	ABA960ORBCT	767580035241		6	
<b>ABS with Turn Top Stopper</b>						
62442	Chrome	ABA1305	767580004049		20	
62444	Chrome with Retaining Clip and Test Kit	ABA1305CT	767580004094		20	
62565	Chrome with Zinc Strainer	ABA1305Z	767580077807		6	
62934	Chrome with Zinc Strainer, Clip and Test Kit	ABA1305ZCT	767580058806		6	
62057	Satin Nickel	ABA1309SN	767580004209		6	
62452	Venetian Bronze	ABA1309VB	767580041792		6	
62450	Oil Rubbed Bronze	ABA1309ORB	767580004193		6	
<b>PVC with Turn Top Stopper</b>						
62059	Chrome	ABA1310	767580004230		20	
62454	Chrome with Retaining Clip and Test Kit	ABA1310CT	767580004254		20	
62058	Chrome with Zinc Strainer	ABA1310Z	767580004261		6	
62288	Chrome with Zinc Strainer, Clip and Test Kit	ABA1310ZCT	767580622885		6	
62457	Satin Nickel	ABA1314SN	767580004339		6	
62456	Venetian Bronze	ABA1314ORB	767580004322		6	
62459	Oil Rubbed Bronze	ABA1314VB	767580041129		6	
<b>ABS with Touch Toe Stopper</b>						
62400	Chrome	ABA1260CS	767580041556		6	
62289	Chrome with Retaining Clip and Test Kit	ABA1260CSCT	767580622892		6	
<b>PVC with Touch Toe Stopper</b>						
62048	Chrome	ABA1263S	767580003288		20	
62339	Chrome with Retaining Clip and Test Kit	ABA1263SCT	767580623394		20	





### CATEGORY 9

#### Half Kits – Complete (Less Pipe and Tee) Straight Drain Fitting

• Additional special finish kits available on page 145



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
62412	Chrome – Hub Adapter	ABA801	767580025426		6	
62414	Chrome – Spigot Adapter	ABA805	767580025464		6	
<b>PVC with Push eN Lift Stopper</b>						
62416	Chrome – Hub Adapter	ABA809	767580025495		6	
62417	Chrome – Spigot Adapter	ABA813	767580025747		6	

#### Schedule 40 Waste & Overflow – One-Hole Overflow Half Kits – Rough-In Only

• Less pipe and tee; includes strainer



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS</b>						
62041	Chrome with Retaining Clip and Test Kit	ABA951RICT	767580049507		20	
62042	Chrome with Zinc Strnr, Clip and Test Kit	ABA951RIPZCT	767580049521		20	
<b>PVC</b>						
62044	Chrome with Retaining Clip and Test Kit	ABA956RICT	767580049620		20	
62054	Chrome with Zinc Strnr, Clip and Test Kit	ABA956RIPZCT	767580049651		20	

#### Schedule 40 Waste & Overflow – One-Hole Overflow Trim Kit Only

• Stopper and one-hole overflow plate

• For both ABS and PVC rough-in kits shown above



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper</b>						
62050	Chrome	ABA951TK	767580049477		20	
62051	Chrome with ABS Stopper	ABA951TKPZ	767580049514		20	
<b>Turn Top Stopper</b>						
62061	Chrome	ABA1310TK	767580041815		20	

### Schedule 40 Waste & Overflow – One-Hole Overflow – Finish Kits

• Stopper, strainer, and one-hole overflow plate

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper</b>						
63084	Chrome	ABA1615	767580009594		3	
63085	Polished Brass	ABA1617	767580009624		3	
64003	Satin Nickel	ABA1619SN	767580009686		20	
64004	Venetian Bronze	ABA1619VB	767580009709		20	
64002	Oil Rubbed Bronze	ABA1619ORB	767580009662		20	
<b>Push eN Lift Stopper – 1 3/8" – 16 – Fine Thread</b>						
63102	Chrome	ABA1630	767580009969		3	
63106	Satin Nickel	ABA1634SN	767580010040		3	
64969	Venetian Bronze	ABA1634VB	767580075674		3	
63105	Oil Rubbed Bronze	ABA1634ORB	767580043192		3	
<b>Turn Top Stopper</b>						
63033	Chrome	ABA1550	767580008535		3	
63037	Satin Nickel	ABA1554SN	767580008627		6	
63038	Venetian Bronze	ABA1554VB	767580042935		6	
63036	Oil Rubbed Bronze	ABA1554ORB	767580008603		6	
<b>Touch Toe Stopper</b>						
63394	Chrome	ABA1520CS	767580633942		3	
63395	Polished Brass	ABA1522CS	767580633959		3	
63386	Satin Nickel	ABA1524SNCS	767580633867		6	
63396	Venetian Bronze	ABA1524VBCS	767580633966		6	
63387	Oil Rubbed Bronze	ABA1524ORBCS	767580633874		6	



### Schedule 40 Waste & Overflow – Two-Hole Overflow – Full Kits – With Pipe and Tee

• Additional special finish kits available on page 147

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
61303	Chrome	ABA926	767580031908		10	
<b>PVC with Push eN Lift Stopper</b>						
61306	Chrome	ABA931	767580032110		10	
<b>ABS with Turn Top Stopper</b>						
61041	Chrome	ABA1125	767580002007		10	
<b>PVC with Turn Top Stopper</b>						
61043	Chrome	ABA1130	767580002113		10	
<b>ABS with Touch Toe Stopper</b>						
61825	Chrome	ABA1230S	767580618253		3	
<b>PVC with Touch Toe Stopper</b>						
61643	Chrome	ABA1236CS	767580075407		3	



## CATEGORY 9

### Schedule 40 Waste & Overflow – Two-Hole Overflow – Half Kits – Complete (Less Pipe and Tee)

• Additional special finish kits available on page 147



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with Push eN Lift Stopper</b>						
62202	Chrome	ABA971	767580035500		20	
62203	Chrome with Retaining Clip and Test kit	ABA971CT	767580035524		20	
62295	Chrome with Zinc Strainer and ABS Stopper	ABA971PZ	767580622953		20	
62296	Chrome with Zinc Strnr, ABS Stpr, Clip, and Test	ABA971PZCT	767580622960		20	
62207	Satin Nickel	ABA975SN	767580035647		6	
62299	Venetian Bronze	ABA975VB	767580622991		6	
62205	Oil Rubbed Bronze	ABA975ORB	767580035630		6	
<b>PVC with Push eN Lift Stopper</b>						
62018	Chrome	ABA976	767580035678		20	
62212	Chrome with Retaining Clip and Test kit	ABA976CT	767580035715		20	
62213	Chrome with Zinc Strainer and ABS Stopper	ABA976PZ	767580035746		20	
62305	Chrome with Zinc Strnr, ABS Stpr, Clip, and Test	ABA976PZCT	767580623059		20	
62219	Satin Nickel	ABA980SN	767580035869		6	
62223	Venetian Bronze	ABA980VB	767580035906		6	
62216	Oil Rubbed Bronze	ABA980ORB	767580035852		6	
<b>ABS with Turn Top Stopper</b>						
62461	Chrome	ABA1330	767580004551		20	
62310	Satin Nickel	ABA1334SN	767580623103		6	
62311	Venetian Bronze	ABA1334VB	767580623110		6	
62312	Oil Rubbed Bronze	ABA1334ORB	767580623127		6	
<b>PVC with Turn Top Stopper</b>						
62062	Chrome	ABA1335	767580004650		20	
62064	Chrome with Retaining Clip and Test	ABA1335CT	767580004704		20	
62066	Chrome with Zinc Strainer and Stpr and Clip and Test	ABA1335ZCT	767580004742		20	
62068	Satin Nickel	ABA1339SN	767580004841		6	
62069	Venetian Bronze	ABA1339VB	767580004865		6	
62472	Oil Rubbed Bronze	ABA1339ORB	767580004827		6	
<b>ABS with Touch Toe Stopper</b>						
62429	Chrome	ABA1280S	767580003653		20	
62818	Satin Nickel	ABA1284SNCS	767580077425		6	
62815	Venetian Bronze	ABA1284VBCS	767580077432		6	
62313	Oil Rubbed Bronze	ABA1284ORBCS	767580623134		6	
<b>PVC with Touch Toe Stopper</b>						
62045	Chrome	ABA1285CS	767580003776		20	
62439	Satin Nickel	ABA1289SNCS	767580041716		6	
62441	Venetian Bronze	ABA1289VBCS	767580041730		6	
62436	Oil Rubbed Bronze	ABA1289ORBCS	767580041693		6	
<b>Half Kits – Complete (Less Pipe and Tee) W/ Condensate Head</b>						
<b>PVC with Turn Top Stopper</b>						
62067	Chrome with Zinc Strainer, Clip and Test Kit	ABA1345ZCT	767580005008		20	

### Schedule 40 Waste & Overflow – Two-Hole Overflow

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Half Kits – Rough-In Only (Less Pipe and Tee; Includes Strainer)</b>						
<b>ABS</b>						
62043	Chrome with Retaining Clip and Test Kit	ABA971RIT	767580050497		20	
62350	Chrome with Zinc Strnr, Clip and Test Kit	ABA971RIPZCT	767580623509		20	
<b>PVC</b>						
62972	Chrome with Retaining Clip and Test Kit	ABA976RICT	767580059360		20	
62034	Chrome with Zinc Strnr, Clip and Test Kit	ABA976RIZT	767580035692		20	
<b>Trim Kit Only (Stopper and Two-hole Overflow Plate)*</b>						
<b>Push eN Lift Stopper</b>						
62055	Chrome	ABA976TK	767580041303		20	
62988	Chrome with ABS Stopper	ABA976TKP	767580075520		20	
<b>Turn Top Stopper</b>						
62510	Chrome	ABA1335TK	767580041839		20	



### Schedule 40 Waste & Overflow – Two-Hole Overflow – Finish Kits

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper</b>						
63090	Chrome	ABA1620	767580009730		6	
63092	Polished Brass	ABA1622	767580009761		3	
63095	Satin Nickel	ABA1624SN	767580009822		20	
64005	Venetian Bronze	ABA1624VB	767580009846		20	
63094	Oil Rubbed Bronze	ABA1624ORB	767580009808		20	
<b>Turn Top Stopper</b>						
64048	Chrome	ABA1555	767580008658		6	
63041	Satin Nickel	ABA1559SN	767580042959		20	
63043	Venetian Bronze	ABA1559VB	767580042973		20	
63284	Oil Rubbed Bronze	ABA1559ORB	767580077524		20	
<b>Touch Toe Stopper</b>						
63015	Chrome	ABA1525S	767580042799		6	
63019	Satin Nickel	ABA1529SNS	767580042836		6	
63021	Venetian Bronze	ABA1529VBS	767580042850		6	
63016	Oil Rubbed Bronze	ABA1529ORBS	767580042805		6	
<b>Push eN Lift Stopper – 1 3/8" – 16 – Fine Thread Strainer with Bushing to 1 1/2" – 11 1/2"</b>						
64050	Chrome	ABA16356899	767580010088		20	
64052	Satin Nickel	ABA16396899SN	767580010187		20	
64053	Venetian Bronze	ABA16396899VB	767580039454		20	
64051	Oil Rubbed Bronze	ABA16396899ORB	767580010170		20	



\*For both ABS and PVC Rough-In Kits shown above

## CATEGORY 9

### Finish Kits (Stopper and Strainer Only)



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper</b>						
64001	Chrome	ABA1625	767580009860		20	
<b>Push eN Lift Stopper – 1 3/8" – 16 – Fine Thread</b>						
63120	Chrome	ABA1640	767580010279		20	
<b>Push eN Lift Stopper – 3" Wide Flange</b>						
63242	Chrome	ABA1787	767580012785		3	
<b>Turn Top Stopper</b>						
64000	Chrome	ABA1560	767580008757		20	
<b>Turn Top Stopper – 1 3/8" – 16 – Fine Thread</b>						
63055	Chrome	ABA1575	767580008962		20	
<b>Touch Toe Stopper</b>						
63022	Chrome	ABA1530S	767580038709		6	

### Complete Finish Kits



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>With 1 3/8"-16 Fine Thread Strainer, Bushing to 1 1/2"-11 1/2, Push eN Lift Stopper, 1-Hole Overflow Plate with Converter Bar and Screw</b>						
64008	Chrome – Bulk Pack	ABA1658	767580010552		20	
64917	Chrome – Retail Carded	ABA1658CARD	767580055010		20	
64925	Polished Brass – Retail Carded	ABA1660CARD	767580055058		3	
64021	Satin Nickel – Bulk Pack	ABA1662SN	767580010781		20	
64930	Satin Nickel – Retail Carded	ABA1662SNCARD	767580055102		10	
64023	Venetian Bronze – Bulk Pack	ABA1662VB	767580010811		20	
64932	Venetian Bronze – Retail Carded	ABA1662VBCARD	767580055126		10	
64019	Oil Rubbed Bronze – Bulk Pack	ABA1662ORB	767580010743		20	
64929	Oil Rubbed Bronze – Retail Carded	ABA1662ORBCARD	767580055096		10	
64015	Polished Nickel – Retail Carded	ABA1662PNCARD	767580061042		1	
63351	Satin Chrome – Retail Carded	ABA1662SCCARD	767580633515		1	
63352	Satin Pearl – Retail Carded	ABA1662SPCARD	767580633522		1	
64933	White – Retail Carded	ABA1662WCARD	767580055133		1	
64927	Biscuit – Retail Carded	ABA1662BICARD	767580055072		1	
<b>With 1 1/2"-16 Fine Thread Strainer, Bushing to 1 1/2"-11 1/2, Push eN Lift Stopper, 1-Hole Overflow Plate with Converter Bar and Screw</b>						
64009	Chrome – Bulk Pack	ABA1658L	767580010606		20	
<b>With 1 3/8"-16 Fine Thread Strainer, Bushing to 1 1/2"-11 1/2, Touch Toe Stopper, 1-Hole Overflow Plate with Converter Bar and Screw</b>						
64026	Chrome	ABA1700	767580011337		20	
64946	Chrome – Retail Carded	ABA1700CARD	767580058714		10	
<b>With 1 1/2"-11 1/2 Coarse Thread Strainer, "Kohler" Bushing, Push eN Lift Stopper, 1-Hole Overflow Plate with Converter Bar and Screw</b>						
63168	Chrome	ABA1673	767580011085		10	
63333	Chrome – Retail Carded	ABA1673CARD	767580633331		3	
63359	Satin Nickel – Retail Carded	ABA1678SNCARD	767580633591		1	
63360	Venetian Bronze – Retail Carded	ABA1678VBCARD	767580633607		1	
63400	Oil Rubbed Bronze – Retail Carded	ABA1678ORBCARD	767580634000		1	

### Press-In Trim Kits NEW

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Press-In Strainer with "Classic" Overflow Plate and Push eN Lift Stopper</b>						
60170	Chrome	ABA965033	767580057830		6	
60111	Satin Nickel	ABA96504SN3	767580050121		6	
60115	Venetian Bronze	ABA96504VB3	767580050169		6	
60108	Oil Rubbed Bronze	ABA96504ORB3	767580050091		6	
<b>Press-In Strainer with "Classic" Overflow Plate and Turn Top Stopper</b>						
60187	Chrome	ABA965073	767580057991		6	
60135	Satin Nickel	ABA96508SN3	767580050268		6	
60191	Venetian Bronze	ABA96508VB3	767580058035		6	
60241	Oil Rubbed Bronze	ABA96508ORB3	7675800602412		6	
<b>Press-In Strainer with "One-Hole" Overflow Plate &amp; Matching Screw, Converter Bar, and Push eN Lift Stopper</b>						
60104	Chrome	ABA965031	767580050053		6	
60110	Satin Nickel	ABA96504SN1	767580050114		6	
60114	Venetian Bronze	ABA96504VB1	767580050152		6	
60171	Oil Rubbed Bronze	ABA96504ORB1	767580057847		6	
<b>Press-In Strainer with "One-Hole" Overflow Plate &amp; Matching Screw, Converter Bar, and Turn Top Stopper</b>						
60185	Chrome	ABA965071	767580057977		6	
60188	Satin Nickel	ABA96508SN1	767580058004		6	
60190	Venetian Bronze	ABA96508VB1	767580058028		6	
60239	Oil Rubbed Bronze	ABA96508ORB1	7675800602399		6	
<b>Press-In Strainer with "Two-Hole" Overflow Plate &amp; Matching Screws and Push eN Lift Stopper</b>						
60169	Chrome	ABA965032	767580057823		6	
60174	Satin Nickel	ABA96504SN2	767580057861		6	
60177	Venetian Bronze	ABA96504VB2	767580057892		6	
60107	Oil Rubbed Bronze	ABA96504ORB2	767580050084		6	
<b>Press-In Strainer with "Two-Hole" Overflow Plate &amp; Matching Screws and Turn Top Stopper</b>						
60186	Chrome	ABA965072	767580057984		6	
60189	Satin Nickel	ABA96508SN2	767580058011		6	
60136	Venetian Bronze	ABA96508VB2	767580050275		6	
60240	Oil Rubbed Bronze	ABA96508ORB2	7675800602405		6	



## CATEGORY 9

### Cable Driven Tubular Plastic Waste & Overflow

• Additional special finish kits available below

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>PVC Tubular for 17" to 22" Deep Tubs</b>						
61327	Less Trim	ABA652NT	767580041013		1	
61022	Chrome	ABA652	767580037801		1	
61316	Satin Nickel	ABA656SN	767580037863		1	
61318	Venetian Bronze	ABA656VB	767580040993		1	
61312	Oil Rubbed Bronze	ABA656ORB	767580040986		1	
<b>PVC Tubular for 23" to 27" Deep Tubs</b>						
61677	Less Trim	ABA662NT	767580616778		1	
61321	Chrome	ABA662	767580047350		1	
61324	Satin Nickel	ABA667SN	767580047404		1	
61326	Venetian Bronze	ABA667VB	767580047428		1	
61322	Oil Rubbed Bronze	ABA667ORB	767580047381		1	
<b>PVC Tubular for 28" to 29" Deep Tubs</b>						
61678	Less Trim	ABA670NT	767580616785		1	
61845	Chrome	ABA670	767580618451		1	
61848	Satin Nickel	ABA674SN	767580618482		1	
61849	Venetian Bronze	ABA674VB	767580618499		1	
61850	Oil Rubbed Bronze	ABA674ORB	767580618505		1	

### Cable Driven Solid Brass Finish Kits

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
63300	Chrome	ABA770	767580025303		1	
63304	Polished Brass	ABA772	767580025327		1	
63306	Satin Nickel	ABA773SN	767580048975		1	
63309	Venetian Bronze	ABA773VB	767580048999		1	
63302	Oil Rubbed Bronze	ABA773ORB	767580048951		1	
63305	Polished Nickel	ABA773PN	767580040252		1	
63402	Satin Chrome	ABA773SC	767580634024		1	
63403	Satin Pearl	ABA773SP	767580634031		1	
63312	White	ABA773W	767580025334		1	
63299	Biscuit	ABA773BI	767580048944		1	

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IPS CORPORATION

WATER-TITE  
IPS CORPORATION

TEST-TITE  
IPS CORPORATION

AB&A  
IPS CORPORATION

STUDOR  
IPS CORPORATION

TRUEBRO  
IPS CORPORATION



### Cable Driven Sched 40 Waste & Overflow Half Kit (Less Pipe and Tee) with Solid Brass Trim

• Additional special finish kits available on page 150

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS with 27" Cable</b>						
69725	Less Trim	ABA700NT	767580048166		1	
69723	Chrome	ABA700	767580023156		1	
69733	Satin Nickel	ABA703SN	767580040245		1	
69736	Venetian Bronze	ABA703VB	767580048210		1	
69728	Oil Rubbed Bronze	ABA703ORB	767580048180		1	
<b>PVC with 27" Cable</b>						
61864	Less Trim	ABA710NT	767580618642		1	
69742	Chrome	ABA710	767580023347		1	
69749	Satin Nickel	ABA713SN	767580048531		1	
69752	Venetian Bronze	ABA713VB	767580041280		1	
69747	Oil Rubbed Bronze	ABA713ORB	767580040122		1	
<b>ABS with 35" Cable</b>						
69842	Less Trim	ABA720NT	767580698422		1	
69726	Chrome	ABA720	767580024313		1	
69734	Satin Nickel	ABA723SN	767580024795		1	
61867	Venetian Bronze	ABA723VB	767580618673		1	
69729	Oil Rubbed Bronze	ABA723ORB	767580024771		1	
<b>PVC with 35" Cable</b>						
61875	Less Trim	ABA730NT	767580618758		1	
69743	Chrome	ABA730	767580024856		1	
69750	Satin Nickel	ABA733SN	767580048869		1	
61878	Venetian Bronze	ABA733VB	767580618789		1	
61652	Oil Rubbed Bronze	ABA733ORB	767580075827		1	
<b>ABS with 45" Cable</b>						
61885	Less Trim	ABA740NT	767580618857		1	
69727	Chrome	ABA740	767580024986		1	
69961	Satin Nickel	ABA743SN	767580699610		1	
69737	Venetian Bronze	ABA743VB	767580048876		1	
61888	Oil Rubbed Bronze	ABA743ORB	767580618888		1	
<b>PVC with 45" Cable</b>						
69746	Less Trim	ABA750NT	767580048883		1	
69744	Chrome	ABA750	767580025068		1	
61898	Satin Nickel	ABA753SN	767580618987		1	
61899	Venetian Bronze	ABA753VB	767580618994		1	
61900	Oil Rubbed Bronze	ABA753ORB	767580619007		1	



## CATEGORY 9

### Tubular Plastic Waste & Overflow

• Additional special finish kits for stopper-style available on page 147

• Additional special finish kits for trip lever available on page 159



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS – Trip Lever</b>						
61198	Chrome	ABA1480	767580007149		10	
61203	Satin Nickel	ABA1484SN	767580007279		1	
61977	Venetian Bronze	ABA1484VB	767580619779		1	
61978	Oil Rubbed Bronze	ABA1484ORB	767580619786		1	
<b>PVC – Trip Lever</b>						
61006	Chrome	ABA1485	767580007309		10	
61207	Satin Nickel	ABA1489SN	767580007507		1	
61209	Venetian Bronze	ABA1489VB	767580042720		1	
61494	Oil Rubbed Bronze	ABA1489ORB	767580007477		1	
<b>ABS – Simple As ABC Trip Lever</b>						
61199	Chrome	ABA14809	767580007156		10	
61995	Satin Nickel	ABA14849SN	767580619953		1	
61996	Venetian Bronze	ABA14849VB	767580619960		1	
61202	Oil Rubbed Bronze	ABA14849ORB	767580042706		1	
<b>PVC – Simple As ABC Trip Lever</b>						
61013	Chrome	ABA14859	767580007316		10	
61206	Satin Nickel	ABA14899SN	767580007439		1	
60705	Venetian Bronze	ABA14899VB	767580607059		1	
60706	Oil Rubbed Bronze	ABA14899ORB	767580607066		1	
<b>ABS with Push eN Lift Stopper</b>						
61217	Chrome	ABA1501	767580007798		10	
60713	Chrome with Zinc Strainer	ABA1501Z	767580607134		10	
60716	Satin Nickel	ABA1505SN	767580607165		1	
60717	Venetian Bronze	ABA1505VB	767580607172		1	
61218	Oil Rubbed Bronze	ABA1505ORB	767580042768		1	
<b>PVC with Push eN Lift Stopper</b>						
61001	Chrome	ABA1506	767580007859		10	
61047	Chrome with Zinc Strainer	ABA1506Z	767580077555		10	
61221	Satin Nickel	ABA1512SN	767580007989		1	
61224	Venetian Bronze	ABA1512VB	767580039485		1	
61659	Oil Rubbed Bronze	ABA1512ORB	767580076121		1	
<b>ABS with Turn Top Stopper</b>						
61210	Chrome	ABA1490	767580007538		10	
<b>PVC with Turn Top Stopper</b>						
61014	Chrome	ABA1495	767580007590		10	
61016	Chrome with Zinc Strainer	ABA1495Z	767580007606		10	
61019	Satin Nickel	ABA1499SN	767580007729		1	
61021	Venetian Bronze	ABA1499VB	767580039058		1	
61018	Oil Rubbed Bronze	ABA1499ORB	767580007699		1	
<b>ABS with Touch Toe Stopper</b>						
60734	Chrome	ABA1470CS	767580607349		10	
<b>PVC with Touch Toe Stopper</b>						
61005	Chrome	ABA1475CS	767580007064		10	

### Tubular Plastic Waste & Overflow – Heavy Duty – “Classic” Overflow w/ Test Kit

• Additional special finish kits available on page 141

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Standard Length with Push eN Lift Stopper</b>						
61244	Chrome	ABA4017	767580046292		3	
60748	Satin Nickel	ABA4020SN	767580607486		1	
60749	Venetian Bronze	ABA4020VB	767580607493		1	
60750	Oil Rubbed Bronze	ABA4020ORB	767580607509		1	
<b>PVC Standard Length with Push eN Lift Stopper</b>						
61245	Chrome	ABA4018	767580038020		3	
61692	Satin Nickel	ABA4021SN	767580616921		1	
61716	Venetian Bronze	ABA4021VB	767580617164		1	
61246	Oil Rubbed Bronze	ABA4021ORB	767580046308		1	
<b>ABS Extra Long with Push eN Lift Stopper</b>						
60768	Chrome	ABA4025	767580607684		3	
60771	Satin Nickel	ABA4028SN	767580607714		1	
60772	Venetian Bronze	ABA4028VB	767580607721		1	
60773	Oil Rubbed Bronze	ABA4028ORB	767580607738		1	
<b>PVC Extra Long with Push eN Lift Stopper</b>						
60781	Chrome	ABA4026	767580607813		3	
60784	Satin Nickel	ABA4029SN	767580607844		1	
60785	Venetian Bronze	ABA4029VB	767580607851		1	
61521	Oil Rubbed Bronze	ABA4029ORB	767580615214		1	
<b>ABS Standard Length with Turn Top Stopper</b>						
60793	Chrome	ABA4050	767580607936		3	
60794	Satin Nickel	ABA4053SN	767580607943		1	
60795	Venetian Bronze	ABA4053VB	767580607950		1	
60796	Oil Rubbed Bronze	ABA4053ORB	767580607967		1	
<b>PVC Standard Length with Turn Top Stopper</b>						
61251	Chrome	ABA4051	767580046346		3	
61298	Satin Nickel	ABA4054SN	767580077517		1	
60797	Venetian Bronze	ABA4054VB	767580607974		1	
61691	Oil Rubbed Bronze	ABA4054ORB	767580616914		1	
<b>ABS Extra Long with Turn Top Stopper</b>						
60798	Chrome	ABA4056	767580607981		3	
60799	Satin Nickel	ABA4059SN	767580607998		1	
60800	Venetian Bronze	ABA4059VB	767580608001		1	
61253	Oil Rubbed Bronze	ABA4059ORB	767580046353		1	
<b>PVC Extra Long with Turn Top Stopper</b>						
61252	Chrome	ABA4057	767580038075		3	
61255	Satin Nickel	ABA4060SN	767580046377		1	
60801	Venetian Bronze	ABA4060VB	767580608018		1	
61254	Oil Rubbed Bronze	ABA4060ORB	767580046360		1	
<b>ABS Standard Length with Touch Toe Stopper</b>						
61248	Chrome	ABA4033	767580039379		3	
<b>PVC Standard Length with Touch Toe Stopper</b>						
61249	Chrome	ABA4034CS	767580037993		3	
<b>ABS Extra Long with Touch Toe Stopper</b>						
60813	Chrome	ABA4040	767580608131		3	
<b>PVC Extra Long with Touch Toe Stopper</b>						
61701	Chrome	ABA4041	767580617010		3	



## CATEGORY 9

### Tubular Plastic Waste & Overflow – Heavy Duty

• Additional special finish kits for stopper style available on page 147

• Additional special finish kits for trip lever available on page 159



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Standard Length Trip Lever</b>						
61051	Chrome	ABA4161	767580017599		12	
<b>PVC Standard Length Trip Lever</b>						
61052	Chrome	ABA4151	767580058691		12	
<b>ABS Extra Long Trip Lever</b>						
61270	Chrome	ABA41619	767580017605		9	
<b>PVC Extra Long Trip Lever</b>						
61053	Chrome	ABA41519	767580017353		9	
<b>ABS Standard Length with Push eN Lift Stopper</b>						
61258	Chrome	ABA4146	767580046384		12	
<b>PVC Standard Length with Push eN Lift Stopper</b>						
61256	Chrome	ABA4136	767580017315		12	
<b>ABS Extra Long with Push eN Lift Stopper</b>						
60887	Chrome	ABA41469	767580608872		9	
<b>PVC Extra Long with Push eN Lift Stopper</b>						
61679	Chrome	ABA41369	767580616792		9	
<b>ABS Standard Length with Turn Top Stopper</b>						
61275	Chrome	ABA4165	767580046483		12	
<b>PVC Standard Length with Turn Top Stopper</b>						
61264	Chrome	ABA4155	767580017407		12	
<b>ABS Extra Long with Turn Top Stopper</b>						
60917	Chrome	ABA41659	767580609176		9	
<b>PVC Extra Long with Turn Top Stopper</b>						
60921	Chrome	ABA41559	767580609213		9	
<b>ABS Standard Length with Touch Toe Stopper</b>						
60924	Chrome	ABA4164CS	767580609244		12	
<b>PVC Standard Length with Touch Toe Stopper</b>						
61263	Chrome	ABA4154S	767580046391		12	
<b>ABS Extra Long with Touch Toe Stopper</b>						
60937	Chrome	ABA41649CS	767580609374		9	
<b>PVC Extra Long with Touch Toe Stopper</b>						
61262	Chrome	ABA41549CS	767580040719		9	

### Tubular Brass Waste & Overflow

• Additional special finish kits for stopper style available on page 147

• Additional special finish kits for trip lever available on page 159

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length Trip Lever</b>						
61010	Chrome	ABA1430G	767580006159		12	
61012	Chrome with Retaining Clip	ABA1430GC	767580006173		12	
61116	Polished Brass	ABA1432G	767580042201		1	
61123	Satin Nickel	ABA1434SN	767580006401		3	
64102	Venetian Bronze	ABA1434VB	767580641022		3	
61122	Oil Rubbed Bronze	ABA1434ORB	767580006388		3	
<b>17 GA Standard Length Trip Lever</b>						
61007	Chrome	ABA143017GA	767580006081		12	
<b>20 GA Extra Long Trip Lever</b>						
61008	Chrome	ABA14309G	767580006128		9	
<b>17 GA Extra Long Trip Lever</b>						
61009	Chrome	ABA1430917GAG	767580042126		9	
<b>20 GA Standard Length with Push eN Lift Stopper</b>						
61031	Chrome	ABA1440	767580006661		12	
<b>17 GA Standard Length with Push eN Lift Stopper</b>						
61138	Chrome	ABA144017GA	767580006685		12	
<b>20 GA Extra Long with Push eN Lift Stopper</b>						
61144	Chrome	ABA14409	767580006708		9	
<b>17 GA Extra Long with Push eN Lift Stopper</b>						
61145	Chrome	ABA1440917GA	767580042379		9	
<b>20 GA Standard Length with Turn Top Stopper</b>						
61046	Chrome	ABA1435	767580006432		12	
<b>17 GA Standard Length with Turn Top Stopper</b>						
61125	Chrome	ABA143517GA	767580006456		12	
<b>20 GA Extra Long with Turn Top Stopper</b>						
61128	Chrome	ABA14359	767580006487		9	
<b>17 GA Extra Long with Turn Top Stopper</b>						
61129	Chrome	ABA1435917GAC	767580042294		9	
<b>20 GA Standard Length with Touch Toe Stopper</b>						
64198	Chrome	ABA1421CS	767580641985		12	
<b>17 GA Standard Length with Touch Toe Stopper</b>						
64205	Chrome	ABA1421CS17GA	767580642050		12	
<b>20 GA Extra Long with Touch Toe Stopper</b>						
64212	Chrome	ABA14219CS	767580642128		9	
<b>17 GA Extra Long with Touch Toe Stopper</b>						
64219	Chrome	ABA14219CS17GA	767580642197		9	



## CATEGORY 9

### Tubular Brass Waste & Overflow – Side Outlet w/ Bent Tail Piece



• Additional special finish kits available on page 147

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length with Push eN Lift Stopper</b>						
61155	Chrome	ABA14463	767580611551		1	
<b>17 GA Standard Length with Push eN Lift Stopper</b>						
64238	Chrome	ABA1446317GA	767580642388		1	
<b>20 GA Standard Length with Turn Top Stopper</b>						
61157	Chrome	ABA14459	767580036729		1	
<b>17 GA Standard Length with Turn Top Stopper</b>						
61158	Chrome	ABA1445917GA	767580042447		1	
<b>20 GA Standard Length with Touch Toe Stopper</b>						
64257	Chrome	ABA14461CS	767580642579		1	
<b>17 GA Standard Length with Touch Toe Stopper</b>						
64264	Chrome	ABA14461CS17GA	767580642647		1	

### Tubular Brass Waste & Overflow – Drain in Shoe



• Additional special finish kits available on page 147

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length with Push eN Lift Stopper</b>						
61687	Chrome	ABA14473	767580616877		1	
<b>17 GA Standard Length with Push eN Lift Stopper</b>						
61694	Chrome	ABA1447317GA	767580616945		1	
<b>20 GA Standard Length with Turn Top Stopper</b>						
61165	Chrome	ABA14469	767580006906		1	
<b>17 GA Standard Length with Turn Top Stopper</b>						
61166	Chrome	ABA1446917GA	767580037412		1	
<b>20 GA Standard Length with Touch Toe Stopper</b>						
64299	Chrome	ABA14471CS	767580642999		1	
<b>17 GA Standard Length with Touch Toe Stopper</b>						
64306	Chrome	ABA1447117GACS	767580643064		1	

### Tubular Brass Waste & Overflow – Simply Solder Tee

•Additional special finish kits for stopper style available on page 147 •Additional special finish kits for trip lever available on page 159

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length Trip Lever</b>						
61101	Chrome	ABA14307	767580006098		12	
<b>17 GA Standard Length Trip Lever</b>						
61102	Chrome	ABA1430717GA	767580039393		12	
<b>20 GA Extra Long Trip Lever</b>						
61103	Chrome	ABA14308	767580006104		9	
<b>17 GA Extra Long Trip Lever</b>						
61444	Chrome	ABA1430817GAG	767580053917		9	
<b>20 GA Standard Length with Push eN Lift Stopper</b>						
61140	Chrome	ABA14407	767580006692		12	
<b>17 GA Standard Length with Push eN Lift Stopper</b>						
61141	Chrome	ABA1440717GA	767580039010		12	
<b>20 GA Extra Long with Push eN Lift Stopper</b>						
61142	Chrome	ABA14408	767580040818		9	
<b>17 GA Extra Long with Push eN Lift Stopper</b>						
61717	Chrome	ABA1440817GA	767580617171		9	
<b>20 GA Standard Length with Turn Top Stopper</b>						
61126	Chrome	ABA14357	767580006463		12	
<b>17 GA Standard Length with Turn Top Stopper</b>						
61000	Chrome	ABA1435717GA	767580038112		12	
<b>20 GA Extra Long with Turn Top Stopper</b>						
61127	Chrome	ABA14358	767580006470		9	
<b>17 GA Extra Long with Turn Top Stopper</b>						
64410	Chrome	ABA1435817GA	767580644108		9	
<b>20 GA Standard Length with Touch Toe Stopper</b>						
64414	Chrome	ABA14217CS	767580644146		12	
<b>17 GA Standard Length with Touch Toe Stopper</b>						
64421	Chrome	ABA1421717GACS	767580644214		12	
<b>20 GA Extra Long with Touch Toe Stopper</b>						
64428	Chrome	ABA14218CS	767580644283		9	
<b>17 GA Extra Long with Touch Toe Stopper</b>						
64435	Chrome	ABA1421817GACS	767580644351		9	



## CATEGORY 9

### Tubular Brass Waste & Overflow – “Classic” w/ Test Kit

• Rough-in only available – contact sales representative

• *Additional special finish kits available on page 141*

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length with Push eN Lift Stopper</b>						
61002	Chrome	ABA14506	767580038181		12	
<b>17 GA Standard Length with Push eN Lift Stopper</b>						
61003	Chrome	ABA1450617GA	767580037481		12	
<b>17 GA Extra Long with Push eN Lift Stopper</b>						
61004	Chrome	ABA1450817GA	767580038686		9	
<b>20 GA Standard Length with Turn Top Stopper</b>						
61191	Chrome	ABA14518	767580042652		12	
<b>17 GA Standard Length with Turn Top Stopper</b>						
61192	Chrome	ABA1451817GA	767580042669		12	
<b>17 GA Extra Long with Turn Top Stopper</b>						
64498	Chrome	ABA1452117GA	767580644986		9	
<b>20 GA Standard Length with Touch Toe Stopper</b>						
64502	Chrome	ABA14511S	767580645020		12	
<b>17 GA Standard Length with Touch Toe Stopper</b>						
61638	Chrome	ABA1451117GAS	767580075117		12	
<b>17 GA Extra Long with Touch Toe Stopper</b>						
64519	Chrome	ABA1451517GAS	767580645198		9	

### Tubular Brass Waste & Overflow – Simply Solder Tee, “Classic” w/ Test Kit

• Rough-in only available – contact sales representative

• *Additional special finish kits available on page 141*

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length with Push eN Lift Stopper</b>						
61446	Chrome	ABA14407CLS	767580053931		12	
<b>17 GA Standard Length with Push eN Lift Stopper</b>						
64538	Chrome	ABA1440717CLS	767580645389		12	
<b>17 GA Extra Long with Push eN Lift Stopper</b>						
61718	Chrome	ABA1440817CLS	767580645631		9	
<b>20 GA Standard Length with Turn Top Stopper</b>						
64576	Chrome	ABA14357CLS	767580645761		12	
<b>17 GA Standard Length with Turn Top Stopper</b>						
61445	Chrome	ABA1435717GACLS	767580053924		12	
<b>17 GA Extra Long with Turn Top Stopper</b>						
64587	Chrome	ABA1435817CLS	767580645877		9	
<b>20 GA Standard Length with Touch Toe Stopper</b>						
64591	Chrome	ABA14217CSCLS	767580645914		12	
<b>17 GA Standard Length with Touch Toe Stopper</b>						
64598	Chrome	ABA14217CS17CLS	767580645983		12	
<b>17 GA Extra Long with Touch Toe Stopper</b>						
64612	Chrome	ABA14218CS17CLS	767580646126		9	



### Tubular Brass Waste & Overflow – Brass “Pop-up”

• Additional special finish kits available on page 160

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>20 GA Standard Length Drain in Tee</b>						
61149	Chrome	ABA14440	767580042409		12	
<b>17 GA Standard Length Drain in Tee</b>						
61150	Chrome	ABA1444017GA	767580006791		12	
<b>20 GA Extra Long Drain in Tee</b>						
64623	Chrome	ABA14445	767580646232		9	
<b>17 GA Extra Long Drain in Tee</b>						
64627	Chrome	ABA1444517GA	767580646270		9	
<b>20 GA Standard Length Side Outlet w/ Bent Tail Piece</b>						
61153	Chrome	ABA14455	767580006852		1	
<b>17 GA Standard Length Side Outlet w/ Bent Tail Piece</b>						
61154	Chrome	ABA1445517GA	767580006869		1	
<b>20 GA Standard Length Drain-in-Shoe</b>						
61162	Chrome	ABA14465	767580006876		1	
<b>17 GA Standard Length Drain-in-Shoe</b>						
61163	Chrome	ABA1446517GA	767580006883		1	



### Trip Lever Finish Kits – Available Carded for Retail Display

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Chrome</b>						
64036	Full Kit – Bulk	ABA1720	767580011719		12	
64944	Full Kit – Carded	ABA1720CARD	767580070211		12	
63207	Grid & Screw Only	ABA1720G	767580011740		12	
63208	Trip Lever Plate and Screws Only	ABA1720T	767580011757		12	
<b>Polished Brass</b>						
64936	Full Kit – Carded	ABA1722CARD	767580055164		1	
<b>Satin Nickel</b>						
64040	Full Kit – Bulk	ABA1723SN	767580011948		12	
64940	Full Kit – Carded	ABA1723SNCARD	767580055201		12	
<b>Venetian Bronze</b>						
63224	Full Kit – Bulk	ABA1723VB	767580011986		12	
64941	Full Kit – Carded	ABA1723VBCARD	767580055218		12	
<b>Oil Rubbed Bronze</b>						
64039	Full Kit – Bulk	ABA1723ORB	767580011894		12	
64938	Full Kit – Carded	ABA1723ORBCARD	767580055188		12	
<b>Polished Nickel</b>						
64939	Full Kit – Carded	ABA1723PNCARD	767580055195		1	
<b>Satin Chrome</b>						
63373	Full Kit – Carded	ABA1723SCCARD	767580633737		1	
<b>Satin Pearl</b>						
64984	Full Kit – Carded	ABA1723SPCARD	767580076442		1	
<b>White</b>						
64942	Full Kit – Carded	ABA1723WCARD	767580055225		1	
<b>Biscuit</b>						
63372	Full Kit – Carded	ABA1723BICARD	767580633720		1	



## CATEGORY 9

### Trip Lever "Pop-up" Finish Kits



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Pop-up Strainer Trip Lever Plate and Screws</b>						
61175	Chrome	ABA14476	767580006913		12	
61179	Satin Nickel	ABA14479SN	767580042577		1	
62369	Venetian Bronze	ABA14479VB	767580623691		1	
61177	Oil Rubbed Bronze	ABA14479ORB	767580042553		1	

### Waste & Overflow Test Kits

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68683	One-Hole Test Kit	ABA6916	767580023057		12	
68684	One-Hole Metal Test Kit	ABA6916M	767580023064		12	
69510	Two-Hole Test Kit	ABA6919	767580023095		12	

### Waste & Overflow Test Kits

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>"Classic" Overflow Test Cap</b>						
69601	ABS	ABA2352	767580696015		15	
68210	PVC	ABA2353	767580682100		15	
<b>Strainer Test Stopper</b>						
68685	Plastic	ABA6918	767580048128		12	
68038	Metal	ABA6918M	767580680380		12	



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### Brass Bath Waste Fittings

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>2-Hole Overflow Elbow &amp; Tube</b>						
68184	Standard 20Ga	ABA281	767580681844		1	
68138	Standard 17Ga	ABA282	767580681387		1	
60095	Long 20Ga	ABA281L	767580600951		1	
60096	Long 17Ga	ABA282L	767580600968		1	
<b>Classic Overflow Elbow &amp; Tube</b>						
60098	Standard 20Ga	ABA281CLC	767580600982		1	
60099	Standard 17Ga	ABA282CLC	767580600999		1	
60097	Long 20Ga	ABA281LCLC	767580600975		1	
60094	Long 17Ga	ABA282LCLC	767580600944		1	
<b>Waste Shoe &amp; Tube</b>						
60123	Drain-in-tee Shoe with 5" Tube 20Ga	ABA254	767580046087		1	
60090	Drain-in-tee Shoe with 5" Tube 17Ga	ABA253	767580600906		1	
60064	Drain-in-tee Shoe with 9" Tube 20Ga	ABA254L	767580600647		1	
60122	Drain-in-tee Shoe with 9" Tube 17Ga	ABA253L	767580046070		1	
61182	Drain-in-Shoe with 5" Tube	ABA14484	767580006951		1	
<b>Brass Waste Tees and Fittings</b>						
68137	Slip Tee	ABA248	767580681370		1	
68080	Simply Solder Tee	ABA3460053C	767580680809		1	
68469	Chicago Tee	ABA14480	767580684692		1	
68470	Back Outlet (NY) Tee	ABA14481	767580684708		1	
61183	90° Elbow	ABA14485	767580006968		1	
61181	Side Outlet	ABA14482	767580006944		1	
60015	Bent Tailpiece	ABA14486	767580600159		1	
69000	Straight Tailpiece 20Ga	ABA4101820	767580690006		1	
68120	Straight Tailpiece 17Ga	ABA41018	767580681202		1	

## CATEGORY \*

### DWV Bath Waste Fittings

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Overflow Elbows</b>						
<b>Classic (Male Threaded)</b>						
69597	ABS	ABA2344	767580036606		15	
69598	PVC	ABA2345	767580036613		15	
<b>Classic Long (Male Threaded)</b>						
69602	ABS	ABA2361	767580038136		15	
68457	PVC	ABA2362	767580684579		15	
<b>Classic (Male Threaded) With Condensate Connection</b>						
68456	Threaded ABS	ABA2355	767580684562		15	
68486	Slip ABS	ABA2358	767580684869		15	
68079	Threaded PVC	ABA2356	767580680793		15	
68066	Slip PVC	ABA2359	767580680663		15	
<b>Classic Overflow Locknut</b>						
69599	ABS	ABA2348	767580036620		15	
69600	PVC	ABA2349	767580036637		15	
<b>1-Hole</b>						
69572	ABS	ABA1208A	767580002557		15	
69622	PVC	ABA1208P	767580079030		15	
<b>1-Hole Condensate</b>						
68223	Slip ABS	ABA1208CA	767580682230		15	
68746	Threaded PVC	ABA1208I	767580687464		15	
69708	Slip PVC	ABA1208CP	767580002571		15	
<b>2-Hole</b>						
69580	ABS	ABA1508A	767580007903		15	
69582	PVC	ABA1508P	767580007934		15	
<b>2-Hole Condensate</b>						
69581	Slip ABS	ABA1508CA	767580007910		15	
68747	Threaded PVC	ABA1508I	767580687471		15	
69777	Slip PVC	ABA1508CP	767580007927		15	
<b>Waste Fittings</b>						
<b>Drain Shoe</b>						
69570	ABS	ABA1204A	767580002502		15	
69571	PVC	ABA1204P	7675800041495		15	
<b>Straight Adapter (H x FPT)</b>						
69567	ABS	ABA1513	767580008016		15	
69568	PVC	ABA1514	767580008023		15	
<b>Spigot Adapter (SPG x FPT)</b>						
69583	ABS	ABA1516	767580008030		15	
69584	PVC	ABA1517	767580008047		15	
<b>Inside Pipe Cutter</b>						
69604	2" Bulk Pack	ABA2450	767580014697		12	
69501	2" Retail Pack	ABA2450CARD	767580061202		12	
69502	3" Bulk Pack	ABA2451	767580014703		12	
69503	3" Retail Pack	ABA2451CARD	767580061219		12	
69504	Replacement Blades – 3 Pack Bulk	ABA2452	767580014710		12	
69505	Replacement Blades – 3 Pack Retail	ABA2452CARD	767580061226		12	



### Bath Waste Strainers

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Brass Waste Strainer – 1 ½" – 11 ½ Iron Pipe Thread – For ¾" Post Stopper</b>						
69512	Chrome	ABA6820	767580021749		15	
69642	Polished Brass	ABA6822	767580021770		1	
69645	Satin Nickel	ABA6824SN	767580021800		15	
69646	Venetian Bronze	ABA6824VB	767580047817		1	
69644	Oil Rubbed Bronze	ABA6824ORB	767580047800		1	
69328	Polished Nickel	ABA6824PN	767580693281		1	
69329	Satin Chrome	ABA6824SC	767580693298		1	
68083	Satin Pearl	ABA6824SP	767580680830		1	
69647	White	ABA6824W	767580076671		1	
69331	Biscuit	ABA6824BI	767580693311		1	
<b>Brass Waste Strainer – 1 ½" – 11 ½ Iron Pipe Thread – Flip Top</b>						
69808	Chrome	ABA682088	767580075070		1	
69643	Satin Nickel	ABA6824SN88	767580047794		1	
69333	Venetian Bronze	ABA6824VB88	767580693335		1	
69334	Oil Rubbed Bronze	ABA6824ORB88	767580693342		1	
<b>Brass Waste Strainer – 1 ¾" – 16 Fine Thread – For ¾" Post Stopper</b>						
69648	Chrome	ABA6830	767580022067		1	
69336	Polished Brass	ABA6832	767580693366		1	
68052	Satin Nickel	ABA6834SN	767580680526		1	
69337	Venetian Bronze	ABA6834VB	767580693373		1	
69649	Oil Rubbed Bronze	ABA6834ORB	767580047879		1	
69338	Polished Nickel	ABA6834PN	767580693380		1	
69339	Satin Chrome	ABA6834SC	767580693397		1	
69340	Satin Pearl	ABA6834SP	767580693403		1	
69342	White	ABA6834W	767580693427		1	
69344	Wrought Iron	ABA6834WI	767580693441		1	
<b>Brass Waste Strainer – 1 ½" – 14 Fine Thread – For ¾" Post Stopper</b>						
69638	Chrome	ABA6805	767580047763		1	
<b>Brass Waste Strainer – 1 ½" – 16 Fine Thread – For ¾" Post Stopper</b>						
69639	Chrome	ABA6810	767580021701		1	
69640	Chrome – 3" Flange	ABA6812	767580021725		1	
<b>Brass Adapter Bushings</b>						
69520	1.625" – 16 Thread to 1.865" 11 ½ Thread	ABA6899	767580022968		20	
69767	1.625" – 16 Thread to 1.8" 16 Thread	ABA6901	767580022982		1	
69768	1.625" – 16 Thread to 1.9" 14 Thread	ABA6902	767580022999		1	
69769	1.865" – 11 ½ Thread to 2.11 – 16 Thread (Kohler)	ABA6903	767580023002		1	

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# Waste & Overflow

## CATEGORY \*

### Stopper Only

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Push eN Lift Stopper – 3/8" Post</b>						
63005	Chrome	ABA1595	767580009242		20	
63071	Chrome – ABS	ABA1595P	767580009273		20	
63072	Polished Brass	ABA1597	767580009297		1	
63074	Satin Nickel	ABA1599SN	767580009341		20	
63077	Venetian Bronze	ABA1599VB	767580043116		20	
63073	Oil Rubbed Bronze	ABA1599ORB	767580043093		20	
69350	Polished Nickel	ABA1599PN	767580693502		1	
69351	Satin Chrome	ABA1599SC	767580693519		1	
63075	Satin Pearl	ABA1599SP	767580009358		1	
68090	White	ABA1599W	767580680908		1	
69353	Biscuit	ABA1599BI	767580693533		1	
<b>Push eN Lift Stopper – Short Stem – 3/8" Post</b>						
63173	Chrome	ABA1680	767580011184		1	
<b>Push eN Lift Stopper – With 3/8" and 5/16" Posts</b>						
63004	Chrome	ABA1648	767580010422		20	
63126	Polished Brass	ABA1650	767580010453		1	
63127	Satin Nickel	ABA1652SN	767580010484		1	
69357	Venetian Bronze	ABA1652VB	767580693571		1	
<b>Turn Top Stopper – 3/8" Post</b>						
63080	Chrome	ABA1605	767580009440		20	
68043	Chrome – Zinc	ABA1605Z	767580680434		20	
63081	Satin Nickel	ABA1609SN	767580043123		1	
63082	Venetian Bronze	ABA1609VB	767580043130		1	
68072	Oil Rubbed Bronze	ABA1609ORB	767580680724		1	
<b>Touch Toe Stopper – 3/8" Post (Includes 1 1/2" – 1 1/2" Coarse Thread Strainer)</b>						
63056	Chrome	ABA1580CS	767580009044		20	
69367	Polished Brass	ABA1582CS	767580693670		1	
63060	Satin Nickel	ABA1584SNCS	767580043048		1	
63324	Venetian Bronze	ABA1584VBCS	767580077548		1	
68198	Oil Rubbed Bronze	ABA1584ORBCS	767580681981		1	
69368	Polished Nickel	ABA1584PNCS	767580693687		1	
69369	White	ABA1584WCS	767580693694		1	
<b>Touch Toe Stopper – Short Stem – 3/8" Post</b>						
63066	Chrome	ABA1590	767580009181		20	
<b>Push eN Lift or Turn Top Post Only</b>						
69974	2" Long – 3/8" Post (For 1595 and 1605 Series)	ABA6892	767580699740		20	
68075	2" Long – 5/16" Post	ABA6893	767580680755		20	
69971	1 3/4" Long – 3/8" Post (For 1680 and 1610 Series)	ABA6895	767580699719		20	
69965	1 3/4" Long – 5/16" Post	ABA6896	767580699658		20	

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## CATEGORY \*

### Bath Waste Overflow Plates

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>"Classic" Overflow Plate</b>						
63002	Chrome	ABA2340	767580036583		15	
69590	Polished Brass	ABA2342PB	767580045592		1	
69591	Satin Nickel	ABA2342SN	767580076664		1	
69594	Venetian Bronze	ABA2342VB	767580045639		1	
69589	Oil Rubbed Bronze	ABA2342ORB	767580045585		1	
68551	Polished Nickel	ABA2342PN	767580015076		1	
68552	Satin Chrome	ABA2342SC	767580015083		1	
69592	Satin Pearl	ABA2342SP	767580045615		1	
69595	White	ABA2342W	767580045646		1	
69588	Biscuit	ABA2342BI	767580045578		1	
<b>"One-Hole" Overflow Plate</b>						
63001	Chrome	ABA6835	767580022135		15	
69651	Polished Brass	ABA6839	767580022159		1	
69653	Satin Nickel	ABA6841SN	767580022210		1	
69654	Venetian Bronze	ABA6841VB	767580047909		1	
69652	Oil Rubbed Bronze	ABA6841ORB	767580022197		1	
68215	Polished Nickel	ABA6841PN	7675800682155		1	
68246	Satin Chrome	ABA6841SC	7675800682469		1	
69371	Satin Pearl	ABA6841SP	7675800693717		1	
69655	White	ABA6841W	767580022234		1	
69828	Biscuit	ABA6841BI	767580077310		1	
<b>"Two-Hole" Overflow Plate</b>						
69656	Chrome	ABA6845	767580022241		15	
69658	Polished Brass	ABA6847	767580022265		1	
69662	Satin Nickel	ABA6849SN	767580022302		1	
69664	Venetian Bronze	ABA6849VB	767580047947		1	
69661	Oil Rubbed Bronze	ABA6849ORB	767580022296		1	
69374	Polished Nickel	ABA6849PN	7675800693748		1	
68143	Satin Chrome	ABA6849SC	7675800681431		1	
69375	Satin Pearl	ABA6849SP	7675800693755		1	
69665	White	ABA6849W	767580047954		1	
69376	Biscuit	ABA6849BI	7675800693762		1	



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# Waste & Overflow

## CATEGORY \*

### Bath Waste Accessories

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Linkages</b>						
69607	"G" Style	ABA41857	767580017711		1	
60063	"G" Style – Long	ABA41857XL	767580600630		1	
69610	Pop-up Overflow Spring	ABA41877	767580046537		1	
68731	Pop-up Waste Lever	ABA41806LG	767580687310		1	
60019	Brass Linkage & Plastic Bucket (Series 1480 – 1499)	ABA41887	767580600197		1	
69393	Brass Linkage & Plastic Bucket (14809 – 14899)	ABA41897	767580693939		1	
<b>Slip Nuts &amp; Washers</b>						
68850	1 ½" Brass Slip Nuts – Rough Brass	ABA285	767580014949		50	
69809	1 ½" Brass Ferrules	ABA168	767580075278		50	
<b>Washers &amp; Gaskets</b>						
69668	"G" Style Overflow Gasket	ABA6855	767580022395		1	
69514	Heavy Overflow Gasket	ABA6854	767580047992		1	
69516	Sponge Overflow Gasket	ABA6859	767580022449		1	
69513	Rubber Strainer Washer	ABA6850	767580022333		1	
63000	Metal Converter Bar – 2-Hole to 1-Hole	ABA4227	767580017780		10	
69611	Retainer Clip w/ Screws for 2-Hole Elbow	ABA4230	767580017797		25	

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### Lavatory Drains

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>ABS Body with Push eN Lift Stopper</b>						
68303	Chrome With Overflow	ABA1725	767580012037		12	
68315	Chrome Less Overflow	ABA1726	767580012044		12	
<b>Brass Body with Push eN Lift Stopper</b>						
68304	Chrome With Overflow	ABA1728	767580012051		12	
68319	Chrome Less Overflow	ABA1728S	767580012075		1	
68328	Satin Nickel With Overflow	ABA1731SN	767580012228		1	
68331	Satin Nickel Less Overflow	ABA1731SNS	767580012235		1	
68336	Venetian Bronze With Overflow	ABA1731VB	767580043895		1	
68339	Venetian Bronze Less Overflow	ABA1731VBS	767580012297		1	
68324	Oil Rubbed Bronze With Overflow	ABA1731ORB	767580012174		1	
68326	Oil Rubbed Bronze Less Overflow	ABA1731ORBS	767580012181		1	
<b>Brass Body with Flip Top Stopper</b>						
68363	Chrome With Overflow	ABA1748	767580044151		12	
68364	Chrome Less Overflow	ABA1748S	767580044168		1	
68368	Satin Nickel With Overflow	ABA1749SN	767580044205		1	
68369	Satin Nickel Less Overflow	ABA1749SNS	767580044212		1	
60074	Venetian Bronze With Overflow	ABA1749VBS	767580600746		1	
68373	Venetian Bronze Less Overflow	ABA1749VBS	767580044250		1	
68366	Oil Rubbed Bronze With Overflow	ABA1749ORB	767580044182		1	
68367	Oil Rubbed Bronze Less Overflow	ABA1749ORBS	767580044199		1	
<b>Heavy Brass Grid Drain with 6" 17Ga Tailpiece and Brass Locknut</b>						
68309	Chrome With Overflow	ABA1736	767580012358		20	
68349	Chrome Less Overflow	ABA1736S	767580012365		1	
68355	Satin Nickel With Overflow	ABA1738SN	767580044045		1	
68356	Satin Nickel Less Overflow	ABA1738SNS	767580044052		1	
68352	Oil Rubbed Bronze With Overflow	ABA1738ORB	767580044014		1	
68353	Oil Rubbed Bronze Less Overflow	ABA1738ORBS	767580044021		1	
<b>Heavy Brass Offset Lavatory Strainer 17Ga – ABA Compliant</b>						
68361	Chrome With Overflow	ABA1739	767580012426		20	
68362	Chrome Less Overflow	ABA1739S	767580044106		1	
<b>Brass Lavatory Drain – "Pop-up"</b>						
68308	Chrome With Overflow	ABA1733	767580012327		20	
68343	Chrome Less Overflow	ABA1733S	767580012334		1	



### Tub Spouts

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68762	5" Zinc – 1/2" Slide Connection – With Diverter	ABA1945	767580013461		12	

## CATEGORY 19

### Los Angeles Style P-Traps



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Heavy Duty Cast Brass with Cast Brass Slip Joint Nut</b>						
68300	Rough Brass 1 1/2" x 1 1/2"	ABA102	767580001239		10	
68405	Rough Brass 1 1/2" x 1 1/4"	ABA103	767580684050		10	
68301	Chrome Plated 1 1/2" x 1 1/2"	ABA107	767580001598		10	
68302	Chrome Plated 1 1/2" x 1 1/4"	ABA108	767580001611		10	
<b>Heavy Duty Cast Brass Extra Low Seal "G" Trap</b>						
68310	Rough Brass 1 1/2" x 1 1/2"	ABA120	767580002397		1	
68311	Chrome Plated 1 1/2" x 1 1/2"	ABA124	767580002939		1	
<b>Heavy Duty Cast Brass Low Pattern Trap</b>						
68313	Rough Brass 1 1/2" x 1 1/2"	ABA130	767580004032		1	
68314	Chrome Plated 1 1/2" x 1 1/2"	ABA134	767580004889		1	
<b>ABS LA Pattern Trap with Union</b>						
69511	1 1/2" x 1 1/2"	ABA3221A	767580016363		50	
69605	1 1/2" x 1 1/4"	ABA3221B	767580016394		50	
<b>ABS Slip Joint Nut</b>						
69508	1 1/2" x 1 1/2"	ABA3931	767580017179		50	
69509	1 1/2" x 1 1/4"	ABA3933	767580017186		50	

### Cleanout Covers



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Plastic Flat with 2 1/2" Wood Screw</b>						
68400	Chrome - 4 1/2"	ABA1645	767580010392		25	
68401	Chrome - 5 1/2"	ABA1655	767580010521		25	
68402	Chrome - 7 1/2"	ABA1675	767580043499		10	
68870	Chrome - 9 1/2"	ABA1695	767580011306		5	
68403	White - 4 1/2"	ABA1646	767580010408		25	
68404	White - 5 1/2"	ABA1656	767580010538		25	
68869	White - 7 1/2"	ABA1676	767580011115		10	
68871	White - 9 1/2"	ABA1696	767580011313		5	
<b>Plastic Bell with 2 1/2" Wood Screw</b>						
68450	Chrome - 4 1/2"	ABA1745	767580012440		25	
68451	Chrome - 5 1/2"	ABA1755	767580012549		25	
68452	Chrome - 7 1/2"	ABA1775	767580012709		25	
68453	White - 4 1/2"	ABA1746	767580012457		25	
68454	White - 5 1/2"	ABA1756	767580012556		25	
68455	White - 7 1/2"	ABA1776	767580012716		25	
<b>24-gauge Stainless Steel Cleanout Cover</b>						
68813	3" with 1/4" x 20 Screw	ABA1840	767580013058		25	
68480	4" with 1/4" x 20 Screw	ABA1841	767580013065		25	
68481	5" with 1/4" x 20 Screw	ABA1842	767580013089		25	
68482	6" with 1/4" x 20 Screw	ABA1843	767580013096		25	
68819	7" with 1/4" x 20 Screw	ABA1844	767580013119		25	
68820	8" with 1/4" x 20 Screw	ABA1845	767580013126		25	
68823	10" with 1/4" x 20 Screw	ABA1848	767580013140		25	
69254	4" with 5/16" Screw	ABA18416865516	767580055263		25	
69262	5" with 5/16" Screw	ABA18426865516	767580075032		25	

### Cleanout Covers (continued)

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>16-gauge Stainless Steel Cleanout Cover Floor Plates</b>						
83569	3" Plate for 1 1/2" & 2" Fitting – with 4" x 1/4" SS Screw	83569	012181835692		25	
83570	4" Plate for 3" Fitting – with 4" x 1/4" SS Screw	83570	012181835702		25	
83571	5" Plate for 4" Fitting – with 4" x 1/4" SS Screw	83571	012181835715		25	
83572	6" Plate for 4" & 5" Fitting – with 4" x 1/4" SS Screw	83572	012181835722		25	
83573	8" Plate for 6" Fitting – with 4" x 1/4" SS Screw	83573	012181835739		10	
83574	10" Plate for 8" Fitting – with 4" x 1/4" SS Screw	83574	012181835746		10	
<b>Cleanout &amp; Cover Packages with ABS Quick-Fit Cleanout Fitting and Tapped Plug</b>						
69574	4 1/2" White Bell Cover – 2" DWV Pipe	ABAKCOB2	767580050596		25	
69575	4 1/2" White Bell Cover – 3" DWV Pipe	ABAKCOB3	767580050596		25	



### Los Angeles Style Brass Cleanout Plugs

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68600	Raised Head 1 1/2"	ABA175	767580012464		5	
68601	Raised Head 2"	ABA176	767580012563		10	
68602	Raised Head 2 1/2"	ABA177	767580012624		10	
68603	Raised Head 3"	ABA178	767580012723		10	
68604	Raised Head 3 1/2"	ABA179	767580012815		10	
68605	Raised Head 4"	ABA180	767580012860		5	
68811	Raised Head 5"	ABA181	767580012952		1	
68812	Raised Head 6"	ABA182	767580013003		1	
68828	Countersunk – Slotted Head 1 1/2"	ABA201	767580013744		5	
68650	Countersunk – Slotted Head 2"	ABA202	767580013850		10	
68651	Countersunk – Slotted Head 2 1/2"	ABA203	767580013959		10	
68652	Countersunk – Slotted Head 3"	ABA204	767580014000		10	
68653	Countersunk – Slotted Head 3 1/2"	ABA205	767580014017		10	
68654	Countersunk – Slotted Head 4"	ABA206	767580014024		5	
68829	Countersunk – Slotted Head 5"	ABA207	767580014123		1	
68830	Countersunk – Slotted Head 6"	ABA208	767580014185		1	
68655	Countersunk – Slotted Head 1 1/2" – Tapped 5/16"	ABA215	767580014239		5	
68656	Countersunk – Slotted Head 2" – Tapped 5/16"	ABA216	767580014277		10	
68831	Countersunk – Slotted Head 2 1/2" – Tapped 5/16"	ABA217	767580014284		10	
68657	Countersunk – Slotted Head 3" – Tapped 5/16"	ABA218	767580014291		10	
68658	Countersunk – Slotted Head 3 1/2" – Tapped 5/16"	ABA219	767580014307		10	
68659	Countersunk – Slotted Head 4" – Tapped 5/16"	ABA220	767580014314		5	
68832	Countersunk – Slotted Head 5" – Tapped 5/16"	ABA221	767580014321		1	
68833	Countersunk – Slotted Head 6" – Tapped 5/16"	ABA222	767580014338		1	
69257	Countersunk – Slotted Head 1 1/2" – Tapped 1/4"	ABA21514	767580055294		10	
69267	Countersunk – Slotted Head 2" – Tapped 1/4"	ABA21614	767580075292		10	
69258	Countersunk – Slotted Head 2 1/2" – Tapped 1/4"	ABA21714	767580055300		10	
69284	Countersunk – Slotted Head 3" – Tapped 1/4"	ABA21814	767580076596		10	
69290	Countersunk – Slotted Head 3 1/2" – Tapped 1/4"	ABA21914	767580077265		10	
69291	Countersunk – Slotted Head 4" – Tapped 1/4"	ABA22014	767580077272		5	
69285	Countersunk – Slotted Head 5" – Tapped 1/4"	ABA22114	767580076602		1	



## CATEGORY 19

### Southern Style Brass Cleanout Plugs



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68700	Raised Head 1 1/2"	ABA235	767580014390		5	
68701	Raised Head 2"	ABA236	767580014420		5	
68837	Raised Head 2 1/2"	ABA237	767580014451		20	
68839	Raised Head 3"	ABA238	767580014482		20	
68702	Raised Head 3 1/2"	ABA239	767580014512		20	
68703	Raised Head 4"	ABA240	767580014543		15	
68843	Raised Head 5"	ABA241	767580014628		10	
68845	Raised Head 6"	ABA242	767580014659		5	
69778	Raised Head 8"	ABA243	767580055362		5	
69779	Raised Head 10"	ABA244	767580055379		1	
68834	Countersunk - 1 1/2"	ABA235CS	767580014406		25	
68750	Countersunk - 2"	ABA236CS	767580045837		25	
68751	Countersunk - 2 1/2"	ABA237CS	767580014468		20	
68492	Countersunk - 3"	ABA238CS	767580014499		20	
68753	Countersunk - 3 1/2"	ABA239CS	767580014529		20	
68754	Countersunk - 4"	ABA240CS	767580014604		15	
68844	Countersunk - 5"	ABA241CS	767580014635		10	
68846	Countersunk - 6"	ABA242CS	767580014666		5	

### Quick-Fit Cleanout Fitting with Plastic Countersunk Plug (Fits inside Sched 40 DWV Pipe)



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68500	ABS - 2" (with 1 1/2" plug)	ABA200CA	767580013713		50	
68501	ABS - 3" (with 2 1/2" plug)	ABA300CA	767580015267		50	
68502	ABS - 4" (with 3 1/2" plug)	ABA400CA	767580017223		50	
68503	PVC - 2" (with 1 1/2" plug)	ABA200CP	767580013720		50	
68504	PVC - 3" (with 2 1/2" plug)	ABA300CP	767580015274		50	
68505	PVC - 4" (with 3 1/2" plug)	ABA400CP	767580017230		50	

### Quick-Fit Cleanout Fitting Only (Fits inside Sched 40 DWV Pipe)



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68800	ABS - 2"	ABA200A	767580013706		50	
68801	ABS - 3"	ABA300A	767580015250		50	
68802	ABS - 4"	ABA400A	767580017216		50	
68827	PVC - 2"	ABA200P	767580013737		50	
68872	PVC - 3"	ABA300P	767580015281		50	
68864	PVC - 4"	ABA400P	767580017247		50	

## CATEGORY 19

### Plastic Countersunk Plug

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68506	ABS – 1 ½"	ABA3051CA	767580015496		50	
68507	ABS – 2"	ABA3052CA	767580015557		50	
68512	ABS – 2 ½"	ABA3055CA	767580015731		50	
68509	ABS – 3"	ABA3053CA	767580015618		50	
68513	ABS – 3 ½"	ABA3056CA	767580015793		25	
68511	ABS – 4"	ABA3054CA	767580015670		25	
68514	PVC – 1 ½"	ABA3051CP	767580015519		50	
68515	PVC – 2"	ABA3052CP	767580015571		50	
68860	PVC – 2 ½"	ABA3055CP	7675800684074		50	
68516	PVC – 3"	ABA3053CP	767580015632		50	
68518	PVC – 3 ½"	ABA3056CP	767580015816		25	
68517	PVC – 4"	ABA3054CP	767580015694		25	



### Plastic Countersunk Plug with ¼" x 20 Threaded Brass Insert

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68853	ABS – 1 ½" – with ¼" Threaded Insert	ABA3051CAI	767580015502		20	
68508	ABS – 2" – with ¼" Threaded Insert	ABA3052CAI	767580015564		20	
68859	ABS – 2 ½" – with ¼" Threaded Insert	ABA3055CAI	767580015748		20	
68510	ABS – 3" – with ¼" Threaded Insert	ABA3053CAI	767580015625		20	
69780	ABS – 3 ½" – with ¼" Threaded Insert	ABA3056CAI	767580015809		20	
68857	ABS – 4" – with ¼" Threaded Insert	ABA3054CAI	767580015687		20	
68854	PVC – 1 ½" – with ¼" Threaded Insert	ABA3051CPI	767580015526		20	
68855	PVC – 2" – with ¼" Threaded Insert	ABA3052CPI	767580015588		20	
68407	PVC – 2 ½" – with ¼" Threaded Insert	ABA3055CPI	7675800684074		20	
68856	PVC – 3" – with ¼" Threaded Insert	ABA3053CPI	767580015649		20	
68861	PVC – 3 ½" – with ¼" Threaded Insert	ABA3056CPI	767580015823		20	
68858	PVC – 4" – with ¼" Threaded Insert	ABA3054CPI	767580015700		20	



## CATEGORY 19

### Plastic Square Head Plug



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68490	ABS – 1 ½"	ABA3051RA	767580015533		50	
68491	ABS – 2"	ABA3052RA	767580015595		50	
68494	ABS – 2 ½"	ABA3055RA	767580015779		50	
68752	ABS – 3"	ABA3053RA	767580015656		50	
68755	ABS – 3 ½"	ABA3056RA	767580015830		25	
68493	ABS – 4"	ABA3054RA	767580015717		25	
68756	PVC – 1 ½"	ABA3051RP	767580015540		50	
68757	PVC – 2"	ABA3052RP	767580015601		50	
68760	PVC – 2 ½"	ABA3055RP	767580015786		50	
68758	PVC – 3"	ABA3053RP	767580015663		50	
68761	PVC – 3 ½"	ABA3056RP	767580015847		25	
68759	PVC – 4"	ABA3054RP	767580015724		25	

### Press In Cleanout Fitting – For Use with Sched 40 DWV Pipe



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
68550	ABS 2" x 3" with Countersunk Plastic Plug	ABA450	767580018152		20	
64648	ABS 2" x 3" with Countersunk Brass Plug	ABA451	767580646485		20	
85919	ABS 3" x 4" with Countersunk Plastic Plug	5896	012181859193		10	
85916	PVC 2" x 3" with Countersunk Plastic Plug	4895	012181859162		10	
68866	PVC 2" x 3" with Countersunk Brass Plug	ABA457	767580018213		20	
68873	PVC 3" x 4" with Countersunk Plastic Plug	ABA458	767580688737		20	
68867	PVC 3" x 4" with Countersunk Brass Plug	ABA459	767580018237		20	

**There's a reason everyone calls AAVs "Studor®" vents**

When Studor developed the first Air Admittance Valves in the 1970s, it was developing AAV technology that would become the standard. The technology provides Drainage Waste and Vent systems the option to reduce the number of vents through the roof and allows for only one open vent to the atmosphere per building system.

**Still the only specialized AAV manufacturer in the world**

Studor AAVs were introduced to the U.S. in 1986, and Studor engineers have been refining the technology ever since. Today, the Studor line of specialized AAVs is bigger than ever, offering the most complete AAV line on the market – with millions of valves installed in North America and worldwide.



### CATEGORY 22

#### MAXI-VENT®



The unique design of the Studor® MAXI-VENT® provides plumbing ventilation to prevent the loss of water seals in traps without the need for costly roof penetration and vent piping.

- Can be used as an individual, branch, circuit or stack vent
- Will vent up to 500 DFUs on a stack
- Fits 3" and 4" pipe sizes
- Reduces the number of fire-stopping applications
- ANSI/ASSE 1051, ANSI/ASSE 1050, NSF 14, Warnock Hersey, ICC-ES PMG-1025, C-IAPMO
- Exclusive vermin protection system
- Limited lifetime warranty for replacement of defective valves
- Residential or commercial use
- Expands architectural design limits

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20342	4" Push-Fit Rubber Connector	20342	764651-203424		6	6
20302	4" Push-Fit Rubber Connector	20302	764651-203028		25	25

#### MINI-VENT®



The unique design of the Studor® MINI-VENT® provides plumbing ventilation to prevent the loss of water seals in traps without the need for costly roof penetration and vent piping.

- Can be used as an individual, branch, circuit or stack vent
- Fits 1 ½" and 2" pipe sizes
- Will vent up to 160 DFUs on a branch
- Will vent up to 24 DFUs on stack
- Expands architectural design limits
- Reduces the number of fire-stopping applications
- Exclusive vermin protection system
- Limited lifetime warranty for replacement of defective valves
- Residential or commercial use
- ANSI/ASSE 1051, ANSI/ASSE 1050, NSF 14, Warnock Hersey, ICC-ES PMG-1025, C-IAPMO

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Pack</b>						
20341	1 ½" or 2" PVC Adapter	20341	764651-203417		6	3
20340	1 ½" or 2" ABS Adapter	20340	764651-203400		6	3
20301	1 ½" or 2" PVC Adapter	20301	764651-203011		24	11
20300	1 ½" or 2" ABS Adapter	20300	764651-203004		24	11
<b>X-Pack®*</b>						
20305	1 ½" or 2" PVC Adapter	20305	764651-203059		40	10
20336	1 ½" or 2" ABS Adapter	20336	764651-203363		40	10

\* The X-Pack is the MINI-VENT® with hang tag.



### REDI-VENT®

Simplify drainage and waste venting with the Studor® REDI-VENT™ Air Admittance Valve.

The unique design of the Studor® REDI-VENT provides ventilation to prevent the loss of water seals in traps without the need for expensive roof penetration and vent piping.

- For venting single fixtures, kitchen sinks and bathroom groups including back to back applications up to 20 DFUS
- Exclusive vermin protection system
- Expands architectural design limits
- Compact design for tight applications
- Fits 1 ½" and 2" pipe sizes
- Limited lifetime warranty for replacement of defective valves
- Residential or commercial use
- ANSI/ASSE 1051, ANSI/ASSE 1050, NSF 14, Warnock Hersey, ICC-ES PMG-1025, C-IAPMO



Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Pack</b>						
20346	1 ½" or 2" PVC Adapter	20346	764651-203462		24	4
20349	1 ½" or 2" ABS Adapter	20349	764651-203493		24	4
<b>Bulk Pack</b>						
20299	1 ½" or 2" PVC	20299	764651-202991		60	8
20298	1 ½" or 2" ABS	20298	764651-202981		60	8
<b>REDI-VENT Adapter*</b>						
44833	PVC Adapter for REDI-VENT for use in Du-All WMOB	44833	012181-448335		25	2
44834	ABS Adapter for REDI-VENT for use in Du-All WMOB	44834	012181-448342		25	2

\* REDI-VENT® Adapter is specially designed for use in DU-All washer box

### MAXI-CAP™

The Studor® MAXI-CAP is specifically designed to protect MAXI-VENTS® from damaging UV rays and temperature extremes when installed outdoors.

- Prior to installing a MAXI-VENT, MAXI-CAP can be painted to match roof color for aesthetics.

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20398	Fits on MAXI VENT	20398	764651-203981		1	25



### Fire-rated Recess Box

- Can be used with any MINI-VENT®, TEC-VENT® or REDI-VENT™
- AAV not included

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82456*	Fire-rated Air Admittance Valve Outlet Box, 1 ½" female adaptor included	FRAAV12	012181-824566		5	11

\*82456 is a Category 5 product.

### CATEGORY 22

#### Recessed Air Admittance Valve Box **NEW**



- Can be used with any MINI-VENT®, TEC-VENT® or REDI-VENT™

- Can also be used as the termination point for an open pipe side wall vent as an alternative to venting through the roof

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20380	Studor AAV Recess Box	20380	764651-203806		10	18.75
20381	Studor AAV Recess Box with REDI-VENT	20381	764651-203813		10	22.0

#### AAV-TEE **NEW**



- Tubular tee installs in-line with 1½ or 1¼ tubular trap
- Includes REDI-VENT air admittance valve capable of venting up to 20 DFU

- Tee branch mounts REDI-VENT the required 4" above the horizontal drain line

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20391	AAV Tee with REDI-VENT	20391	764651-203912		6	2.5

#### PAPA™



The Studor® P.A.P.A.™ is the perfect compliment to the existing range of Studor Air Admittance Valves (AAVs). Together they form the Studor System: a Total Solution to a building's venting requirements.

Studor Air Admittance Valves will protect the water seal of the system's branch fixtures while the P.A.P.A effectively deals with positive pressure. This combination maintains perfect system balance, quickly and efficiently restoring even atmospheric pressure conditions throughout the system thus avoiding siphonage of any trap.

The Advantages:

The Studor P.A.P.A. as part of the complete Studor System

- Provides complete protection against positive pressures in the system
- Replaces extensive vent piping saving material and installation costs
- Provides greater freedom of design for engineers, architects and design professionals
- Reduces the need for fire stopping devices preventing the chimney effect in the pipes, reducing the risk of fire spreading upwards between floors
- Eliminates leak prone roof penetrations—only one roof penetration is required no matter how tall the building
- Can be retrofitted into an existing drainage system to solve positive pressure problems
- Prevents propagation of odorous sewer gases
- Requires no maintenance, as all Studor products are non-mechanical devices
- Is guaranteed for a lifetime equivalent to that of the drainage system in which it is installed

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20357	P.A.P.A. (Positive Air Pressure Attenuator)	20357	764651-203578		1	10

### TEC-VENT®

Simplify drainage and waste venting with the air admittance valve designed specifically for commercial applications. The unique design of the Studor® TEC-VENT™ provides plumbing ventilation to prevent the loss of water seals in traps without the need for costly roof penetration and vent piping.

- Classified in accordance with UL2043 for installation in plenums when the system is designed by a design professional and approved by local inspector
- Manufactured from flame-retardant polycarbonate resin
- High tensile strength
- Will vent up to 160 DFUs
- Exclusive vermin protection system
- Expands architectural design limits
- Reduces the number of fire-stopping applications
- UV rated for outside installations
- Limited lifetime warranty for replacement of defective valves
- Residential or Commercial Use
- ANSI/ASSE 1051, ANSI/ASSE 1050, NSF 14, Warnock Hersey, UL 2043, ICC-ES PMG, C-IAPMO, ICC-ES-PMG-1025

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20344	TEC-VENT	20344	764651-203448		24	24



### CHEM-VENT™

Simplify drainage and waste venting with the air admittance valve designed specifically for chemical waste systems. The unique design of the Studor® CHEM-VENT™ provides plumbing ventilation to prevent the loss of water seals in traps within chemical waste systems.

- Can be installed in chemical waste systems when the system is designed by a design professional
- WARNING!! Studor CHEM-VENT cannot be installed in applications where vented fumes are required to pass through biological and/or chemical filters before being released to the atmosphere
- Will vent up to 6 DFUs
- Exclusive vermin protection system
- Expands architectural design limits
- Manufactured from Flame Retardant Polypropylene conforming to ASTM D-4101
- The Sch 40 dimensions of the valve tail piece allows direct mounting on any fusion or MJ fitting
- Through the use of readily available adapters, the valve can also be connected to CPVC, glass and Duriron® systems (designer to check for chemical comparability)
- Limited lifetime warranty for replacement of defective valves
- Commercial use

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20345	CHEM-VENT	20345	764651-203455		12	5



### MAXI-FILTRA™

The Studor® MAXI-FILTRA™ operates as a two-way vent, which filters air in both directions. Its replaceable active carbon filter is designed to eliminate bad odors produced by the plumbing drainage system.

The MAXI-FILTRA is for outdoor use only, particularly for use with septic systems, but can also be installed on existing open vent pipes and in systems in which air admittance valves (AAVs) are installed.

- Can be installed vertically or horizontally
- Contains replaceable carbon filter that can last up to two years
- No hub type coupling required for 3" Pipe Connection
- Outdoor use only
- Fits 3" or 4" pipe
- UV Rated

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
20297	4" Rubber Gasket	20297	764651-202977		25	11
20700	Replacement Cartridge	20700	764651-20700		5	





## Dedicated to “Making America Accessible”

The Truebro® product line consists of protective undersink pipe covers and plumbing enclosures for ADA compliance in handicap-accessible lavatories and sinks – for both new construction and retrofit markets.

### Solutions for ADA-mandated undersink accessibility

The Lav Guard® 2, Lav Shield®, Basin Guard™, and Soft-Guard Plus™ are professional ADA-mandated protection systems designed for durability, aesthetics and sanitary installations. Specifying, stocking or installing Truebro is your assurance of protecting people with disabilities while providing quality, durability and improved aesthetics.



CATEGORY 24

Lav Guard® 2



Lav Guard® 2 E-Z series provides the durable, attractive, ADA-compliant undersink protection that the original Truebro Lav Guard® is famous for. Built-in E-Z Grip fasteners and internal E-Z Tear-To-Fit trimming features eliminate the need for tools, and provide for a clean, tamper-resistant, super-fast professional installation.

- E-Z Tear-To-Fit feature makes trimming super-fast and contractor-friendly—no tools required
- E-Z Grip built-in fasteners are quick, strong, and reusable
- Universal design fits more P-traps and thumb wings on plastic compression nuts

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>100EZ series for tubular P-traps</b>						
82188	One Angle Valve and Supply Cover	99-EZ	012181-821886		15	15
82190	One P-Trap Cover	100-EZ	012181-821909		15	27
82192	One P-Trap Cover, One angle Valve & Supply Cover	101-EZ	012181-821923		15	33
82193	One P-Trap Cover, Two angle Valve & Supply Cover	102-EZ	012181-821930		15	41
82194	One P-Trap Cover, Two angle Valve & One offset cover	103-EZ	012181-821947		15	46
82189	One 16" Extension for Water Supply	EX 99-EZ	012181-821893		15	11
82191	One 14" Ext for Drain Waste Arm or Tailpiece	EX 100-EZ	012181-821916		15	27
82195	One 5" Offset Tailpiece Wheelchair Strainer Assembly	105-EZ	012181-821954		15	9
82196	Kohler 6" Offset	105-K	012181-821961		15	9
82197	One Basket Strainer Cover & Offset Waste Cover	106-EZ	012181-821978		15	35
82198	Two Basket Strainer Covers & Center or End Outlet Waste Cover	107-EZ	012181-821985		1	4
<b>400 series for Schedule 40 plastic traps</b>						
82199	One P-Trap Cover	400	012181-821992		15	30
82200	One P-Trap Cover, One angle Valve & Supply Cover	401	012181-822005		15	36
82201	One P-Trap Cover, Two angle Valve & Supply Cover	402	012181-822012		15	42

Basin Guard™



Basin Guard® is an ADA-compliant undersink piping enclosure for kitchen, classroom and lavatory sinks. Basin Guard can be installed where ever counter tops and sidewalls are present and the proper ADA sink is installed. Provides an attractive way to conceal piping and mechanical connections. Bottom opening allows for easy service access.

- ADA-conforming design protects wheelchair users from scalding and sharp, abrasive surfaces. When installed, all plumbing and mechanical components are concealed
- Strict code compliance minimizes risk. The Basin Guard complies with ADA article 4.19.4, California Plumbing Code 1504.2.1, ANSI A117.1, BOCA P 1203.4, and other state and local regulations. Basin Guard also has a flammability resistance, tested in accordance with Underwriters Laboratories for the UL 94 standard with a V-0 rating
- 36" and 42" enclosures are easy to specify, stock and install. May be used with virtually any ADA-compliant sink or restroom lavatory where countertops and sidewalls are present
- High-impact, UV-protected vinyl maximizes product life cycle. The Basin Guard is molded from impact-resistant, stain-resistant and chemical-resistant protective vinyl for durability, safety and long life
- Can be packaged up to 4 per box. Specify quantity when ordering

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82234	36" Basin Guard-White	36W	012181-822340		1	12
82233	36" Basin Guard-Bone	36B	012181-822333		1	12
82236	42" Basin Guard-White	42W	012181-822364		1	14
82235	42" Basin Guard-Bone	42B	012181-822357		1	14

WELDPON  
LAV GRAB  
WATER-TITE  
TEST-TITE  
AB&A  
STUDOR  
TRUEBRO

### Lav Shield®

• Lav Shield® provides ADA-compliant undersink protection and meets requirements for wheelchair accessibility. Durable, single-piece construction conceals piping, electronic faucet connections, mixing valves, trap primers and instantaneous hot water heaters. (Lavatory “rough in” should be considered to allow mounting room for water heater—contact us for specifications.) Pre-cut Lav Shields are cut to fit various lavatory models, field adjustment may be needed for exact fit.

- “Total enclosure” deters tampering
- Can be packaged up to 4 per box. Specify qty when ordering
- Single-piece configuration for easy service
- High-impact, UV-protected vinyl

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Standard Lav Shield</b>						
82202	Standard Lav Shield	20181	n/a	1	7	
97775	Standard Lav Shield Bulk	20184	n/a	4	28	
<b>Pre-Cut Lav Shield</b>						
82203	American Standard Comrade	2018ASC1	n/a	1	7	
97768	American Standard Comrade Bulk	2018ASC4	n/a	4	28	
82204	American Standard Declyn	2018ASD1	n/a	1	7	
97783	American Standard Declyn Bulk	2018ASD4	n/a	4	28	
82205	American Standard Lucerne	2018ASL1	n/a	1	7	
97717	American Standard Lucerne Bulk	2018ASL4	n/a	4	28	
82206	American Standard Muro	2018ASM1	n/a	1	7	
97790	American Standard Muro Bulk	2018ASM4	n/a	4	28	
82207	American Standard Lucerne (Old)	2018ASOL	n/a	1	7	
97710	American Standard Lucerne (Old) Bulk	2018ASOL4	n/a	4	28	
97964	American Standard Penlyn Bulk	2018ASP4	n/a	4	28	
82208	American Standard Roxalyn	2018ASR1	n/a	1	7	
97797	American Standard Roxalyn Bulk	2018ASR4	n/a	4	28	
82209	Bradley Imperial	2018BDI1	n/a	1	7	
97804	Bradley Imperial Bulk	2018BDI4	n/a	4	28	
97916	Briggs Milton	2018BM1	n/a	1	7	
97912	Briggs Milton Bulk	2018BM4	n/a	4	28	
82210	Briggs Whitman	2018BRW1	n/a	1	7	
97811	Briggs Whitman Bulk	2018BRW4	n/a	4	28	
82211	Crane Harwich	2018CRH1	n/a	1	7	
97723	Crane Harwich Bulk	2018CRH4	n/a	4	28	
82212	Crane Norwich	2018CRN1	n/a	1	7	
97818	Lav Shield Crane Norwich 4 Bulk	2018CRN4	n/a	4	28	
82213	Crane Westmont	2018CRW1	n/a	1	7	
97730	Crane Westmont Bulk	2018CRW4	n/a	4	28	
82214	Crane Yorkshire	2018CRY1	n/a	1	7	
97825	Crane Yorkshire Bulk	2018CRY4	n/a	4	28	
82215	Eljer Blair	2018ELB1	n/a	1	7	
97832	Eljer Blair Bulk	2018ELB4	n/a	4	28	
82216	Eljer Delwyn	2018ELD1	n/a	1	7	
97839	Eljer Delwyn Bulk	2018ELD4	n/a	4	28	
82217	Eljer Mayburne	2018ELM1	n/a	1	7	
97846	Eljer Mayburne Bulk	2018ELM4	n/a	4	28	
82218	Eljer Signature	2018ELS1	n/a	1	7	
97737	Eljer Signature Bulk	2018ELS4	n/a	4	28	
82219	Eljer Bucknell	2018ELU1	n/a	1	7	
97853	Eljer Bucknell Bulk	2018ELU4	n/a	4	28	



Exposed



Enclosed



Standard Lav Shield

CATEGORY 24

Lav Shield® (continued)



Exposed



Enclosed



Standard Lav Shield

• Lav Shield® provides ADA-compliant undersink protection and meets requirements for wheelchair accessibility. Durable, single-piece construction conceals piping, electronic faucet connections, mixing valves, trap primers and instantaneous hot water heaters. (Lavatory “rough in” should be considered to allow mounting room for water heater—contact us for specifications.) Pre-cut Lav Shields are cut to fit various lavatory models, field adjustment may be needed for exact fit.

- “Total enclosure” deters tampering
- Can be packaged up to 4 per box. Specify qty when ordering
- Single-piece configuration for easy service
- High-impact, UV-protected vinyl

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
<b>Pre-Cut Lav Shield</b>						
82220	Gerber Hayes	2018GRH1	n/a	1	7	
97860	Gerber Hayes Bulk	2018GRH4	n/a	4	28	
82324	Gerber Monticello Bulk	2018GRM4	n/a	4	28	
82221	Gerber Plymouth	2018GRP1	n/a	1	7	
97867	Gerber Plymouth Bulk	2018GRP4	n/a	4	28	
97962	Kohler Braham	2018KOB1	n/a	1	7	
82222	Kohler Chesapeake	2018KOC1	n/a	1	7	
97874	Kohler Chesapeake Bulk	2018KOC4	n/a	4	28	
82223	Kohler Greenwich, Model 202	2018KOG1	n/a	1	7	
97744	Kohler Greenwich, Model 202 Bulk	2018KOG4	n/a	4	28	
97922	Kohler Greenwich, Model 203	2018KONG1	n/a	1	7	
97923	Kohler Greenwich, Model 203 Bulk	2018KONG4	n/a	4	28	
82294	Lav Shield Kohler Greenwich	2018KOGVP	n/a	1	7	
82224	Kohler Hudson	2018KOH1	n/a	1	7	
97881	Kohler Hudson Bulk	2018KOH4	n/a	4	28	
82225	Kohler Kingston	2018KOK1	n/a	1	7	
97751	Kohler Kingston Bulk	2018KOK4	n/a	4	28	
97911	Kohler Pinoir	2018KOP1	n/a	1	7	
97915	Kohler Pinoir Bulk	2018KOP4	n/a	4	28	
82226	Kohler Soho	2018KOS1	n/a	1	7	
97888	Kohler Soho Bulk	2018KOS4	n/a	4	28	
97895	Lav Shield Mansfield HB 4 Bulk	2018MAH4	n/a	4	28	
82228	Mansfield 2018 HB-NS	2018MAN1	n/a	1	7	
97902	Mansfield 2018 HB-NS Bulk	2018MAN4	n/a	4	28	
82401	Sloan SS-3003	2018SLSS3003	n/a	1	7	
82404	Sloan SS-3003 Bulk	2018SLSS30034	n/a	4	28	
82229	Toto LT307	2018TOL1	n/a	1	7	
97758	Toto LT307 Bulk	2018TOL4	n/a	4	28	
82231	Zurn #Z5344	2018ZNZ1	n/a	1	7	
97909	Zurn #Z5344 Bulk	2018ZNZ4	n/a	4	28	
97937	New Zurn #Z5344	2018ZNNZ1	n/a	1	7	
97938	New Zurn #Z5344 Bulk	2018ZNNZ4	n/a	4	28	
<b>Lav Shield Accessories</b>						
82187	Lav Shield Standard Fasteners (7)	20184F	n/a	1	1	
82292	Tamper Resistant Fastners (7)	TRFAST	n/a	1	1	

WELDPON

LAUV GRAB

WATER-TITE

TEST-TITE

AB&A

STUDOR

TRUEBRO

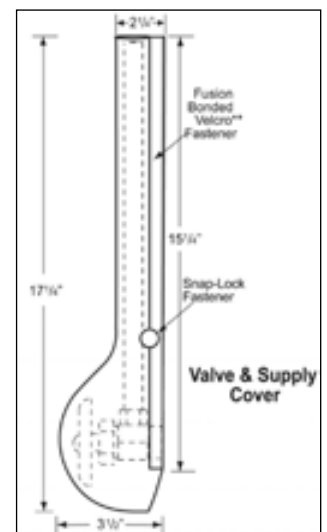
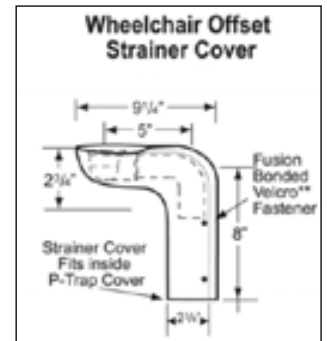
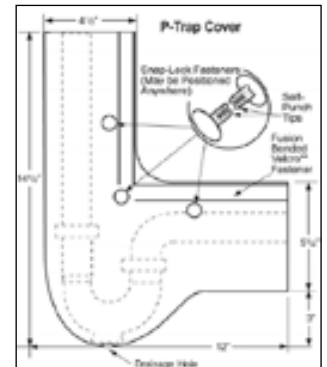


### Soft Guard Plus™

Soft Guard Plus™ provides undersink pipe protection that should be specified for installation to all drainage piping including hot and cold water valves and supplies under lavatories to meet ADA compliance. Soft Guard Plus features a base material that has been tested in accordance with testing standard ASTM E84-07 with a 25 flame spread/450 smoke index and a 1/8" soft PVC vinyl material to maximize ADA and UPC compliance.

- 25 Flame/450 smoke index
- Anti-microbial finish
- Hook and loop fastening system
- Available in white or black
- Optional snap-to-lock fasteners provide tamper resistance
- Buy American Act Compliant
- Fits Sch. 40 P-traps and flexible braided hoses

Product Code #	Product Description	Model Number	UPC Barcode	Cubic ft./Case	Units/Case	Lbs/Case
82521	Supply and valve cover – White	82521	012181-825211		10	3
82522	P-Trap cover only – White	82522	012181-825228		10	4
82523	Offset cover only – White	82523	012181-825235		10	3
82524	P-Trap/1 valve – White	82524	012181-825242		10	5
82525	P-Trap/2 valve covers – White	82525	012181-825259		10	8
82527	P-Trap/2 valve covers & 1 offset cover – White	82527	012181-825273		10	9
82492	Supply and valve cover – Black	82492	012181-824924		10	3
82493	P-Trap cover only – Black	82493	012181-824931		10	4
82494	Offset cover only – Black	82494	012181-824948		10	3
82495	P-Trap/1 valve – Black	82495	012181-824955		10	5
82496	P-Trap/2 valve covers – Black	82496	012181-824962		10	8



## BY PRODUCT CODE

Product Code #	Model Number	Page Number	Product Code #	Model Number	Page Number	Product Code #	Model Number	Page Number	Product Code #	Model Number	Page Number
10003	006190000	31	10164	107250911	22	10864	001840000	32	13199	006200000	31
10004	006150000	31	10165	107250921	22	10871	107640411	29	13360	13360	31
10005	006160000	31	10166	107250931	22	10872	107640421	29	13369	13369	26
10006	006170000	31	10167	107250941	22	10873	107640431	29	13533	13533	25
10007	006300000	31	10200	107650011	29	10874	107640441	29	13534	13534	25
10008	006310000	31	10201	107650021	29	10875	107640451	29	13535	13535	25
10009	006320000	31	10202	107650031	29	10963	001930000	31	13536	13536	25
10010	006480000	31	10203	107650041	29	10965	107710811	25	13537	13537	25
10012	006510000	31	10204	107650051	29	10966	107710821	25	13647	13647	25
10014	006530000	31	10220	107700011	28	10967	107710831	25	13648	13648	25
10015	006540000	31	10221	107700041	28	10968	107710841	25	13649	13649	25
10050	101820011	35	10222	107700021	28	10969	107710851	25	13650	13650	25
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63074	ABA1599SN	164	63394	ABA1520CS	145	64612	ABA14218CS17CLS	158	65400	ABA9432	119
63075	ABA1599SP	164	63395	ABA1522CS	145	64623	ABA14445	159	65401	ABA9436	120
63077	ABA1599VB	164	63396	ABA1524VBCS	145	64627	ABA1444517GA	159	65402	ABA9450	119
63080	ABA1605	164	63400	ABA1678ORBCARD	148	64648	ABA451	172	65403	ABA9451	119
63081	ABA1609SN	164	63402	ABA773SC	150	64917	ABA1658CARD	148	65404	ABA9463	119
63082	ABA1609VB	164	63403	ABA773SP	150	64925	ABA1660CARD	148	65405	ABA9488	120
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63085	ABA1617	145	64001	ABA1625	148	64929	ABA1662ORBCARD	148	65407	ABA9489	120
63090	ABA1620	147	64002	ABA1619ORB	145	64930	ABA1662SNCARD	148	65412	ABA95254	119
63092	ABA1622	147	64003	ABA1619SN	145	64932	ABA1662VBCARD	148	65415	ABA95334	120
63094	ABA1624ORB	147	64004	ABA1619VB	145	64933	ABA1662WCARD	148	65426	ABA8614	116
63095	ABA1624SN	147	64005	ABA1624VB	147	64936	ABA1722CARD	159	65427	ABA8228T	121
63102	ABA1630	145	64008	ABA1658	148	64938	ABA1723ORBCARD	159	65429	ABA8410	125
63105	ABA1634ORB	145	64009	ABA1658L	148	64939	ABA1723PNCARD	159	65434	ABA8400	125
63106	ABA1634SN	145	64015	ABA1662PNCARD	148	64940	ABA1723SNCARD	159	65440	ABA93791	119
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63126	ABA1650	164	64021	ABA1662SN	148	64942	ABA1723WCARD	159	65443	ABA8170	122
63127	ABA1652SN	164	64023	ABA1662VB	148	64944	ABA1720CARD	159	65445	ABA8167	122
63168	ABA1673	148	64026	ABA1700	148	64946	ABA1700CARD	148	65446	ABA9300	122
63173	ABA1680	164	64036	ABA1720	159	64969	ABA1634VB	145	65449	ABA9301	119
63207	ABA1720G	159	64039	ABA1723ORB	159	64984	ABA1723SPCARD	159	65450	ABA93123	119
63208	ABA1720T	159	64040	ABA1723SN	159	64991	ABA7101SNCARD	137	65451	ABA93133	119
63224	ABA1723VB	159	64048	ABA1555	147	65002	ABA8225	121	65452	ABA9379	119
63242	ABA1787	148	64050	ABA16356899	147	65003	ABA8165	122	65453	ABA93781	119
63246	ABA2365CS	141	64051	ABA16396899ORB	147	65300	ABA8176	122	65455	ABA94514	119
63250	ABA2366ORBCS	141	64052	ABA16396899SN	147	65301	ABA8255	122	65456	ABA93263	119

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65459	ABA93861	119	65521	ABA8343	125	65579	ABA8466	126	67076	ABA3469	131
65460	ABA94624	119	65522	ABA8283	124	65580	ABA8476	126	67078	ABA3600	134
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65463	ABA9306	120	65524	ABA8350	124	65801	ABA8579	129	67093	ABA44382ORB	131
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65465	ABA93513	120	65526	ABA8362	124	65804	ABA8195	121	67096	ABA44382VB	131
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65467	ABA93993	120	65528	ABA8363	124	65806	ABA82555	122	67100	ABA489	117
65468	ABA9400	120	65529	ABA8355	124	65808	ABA8290	124	67103	ABA49592ORB	131
65469	ABA94894	120	65530	ABA8365	124	65810	ABA8510	127	67105	ABA49592SN	131
65470	ABA93383	120	65531	ABA8356	124	65813	ABA82705	123	67107	ABA49592VB	131
65471	ABA93393	120	65532	ABA8366	124	65816	ABA8360	124	67108	ABA4976	124
65472	ABA9393	120	65533	ABA8389	124	65819	ABA8296T	124	67110	ABA49861	132
65473	ABA93921	120	65534	ABA8390	124	65825	ABA8293	124	67111	ABA4988	132
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65494	ABA8133	121	65555	ABA8423	125	67022	ABA3521	130	67154	ABA52007212	133
65495	ABA8138	121	65556	ABA8433	125	67023	ABA3601	134	67155	ABA520072121	133
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65517	ABA8275	123	65575	ABA84765	126	67042	ABA6520	130	67240	ABA6320	135
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67271	ABA520472121	133	68246	ABA6841SC	165	68492	ABA238CS	170	68756	ABA3051RP	172
67274	ABA4990PN	132	68300	ABA102	168	68493	ABA3054RA	172	68757	ABA3052RP	172
67301	ABA7208ORBCARD	136	68301	ABA107	168	68494	ABA3055RA	172	68758	ABA3053RP	172
67302	ABA7208PBCARD	136	68302	ABA108	168	68500	ABA200CA	170	68759	ABA3054RP	172
67303	ABA7208PNCARD	136	68303	ABA1725	167	68501	ABA300CA	170	68760	ABA3055RP	172
67309	ABA7213ORBCARD	136	68304	ABA1728	167	68502	ABA400CA	170	68761	ABA3056RP	172
67310	ABA7213PNCARD	136	68308	ABA1733	167	68503	ABA200CP	170	68762	ABA1945	167
67312	ABA7213SNCARD	136	68309	ABA1736	167	68504	ABA300CP	170	68800	ABA200A	170
67315	ABA7213VBCARD	136	68310	ABA120	168	68505	ABA400CP	170	68801	ABA300A	170
67321	ABA4992	125	68311	ABA124	168	68506	ABA3051CA	171	68802	ABA400A	170
67325	ABA4975	124	68313	ABA130	168	68507	ABA3052CA	171	68811	ABA181	169
67342	ABA4990VB	132	68314	ABA134	168	68508	ABA3052CAI	171	68812	ABA182	169
67388	ABA521072121	133	68315	ABA1726	167	68509	ABA3053CA	171	68813	ABA1840	168
67900	ABA6725	114	68319	ABA1728S	167	68510	ABA3053CAI	171	68819	ABA1844	168
67901	ABA6727	114	68324	ABA1731ORB	167	68511	ABA3054CA	171	68820	ABA1845	168
67902	ABA6729	114	68326	ABA1731ORBS	167	68512	ABA3055CA	171	68823	ABA1848	168
67903	ABA6731	114	68328	ABA1731SN	167	68513	ABA3056CA	171	68827	ABA200P	170
67904	ABA6733	114	68331	ABA1731SNS	167	68514	ABA3051CP	171	68828	ABA201	169
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67906	ABA6715	114	68339	ABA1731VBS	167	68516	ABA3053CP	171	68830	ABA208	169
67908	ABA6718	114	68343	ABA1733S	167	68517	ABA3054CP	171	68831	ABA217	169
67909	ABA6724	114	68349	ABA1736S	167	68518	ABA3056CP	171	68832	ABA221	169
67913	ABA6731M	114	68352	ABA1738ORB	167	68550	ABA450	172	68833	ABA222	169
67914	ABA6733M	114	68353	ABA1738ORBS	167	68551	ABA2342PN	165	68834	ABA235CS	170
67915	ABA6734	114	68355	ABA1738SN	167	68552	ABA2342SC	165	68837	ABA237	170
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67929	ABA6748	114	68367	ABA1749ORBS	167	68650	ABA202	169	68853	ABA3051CAI	171
67930	ABA6749	114	68368	ABA1749SN	167	68651	ABA203	169	68854	ABA3051CPI	171
67941	ABA49901PN	132	68369	ABA1749SNS	167	68652	ABA204	169	68855	ABA3052CPI	171
68004	ABA8548	79	68373	ABA1749VBS	167	68653	ABA205	169	68856	ABA3053CPI	171
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68038	ABA6918M	160	68401	ABA1655	168	68655	ABA215	169	68858	ABA3054CPI	171
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68066	ABA2359	162	68404	ABA1656	168	68658	ABA219	169	68861	ABA3056CPI	171
68068	ABA7006	131	68405	ABA103	168	68659	ABA220	169	68864	ABA400P	170
68072	ABA1609ORB	164	68407	ABA3055CPI	171	68683	ABA6916	160	68866	ABA457	172
68075	ABA6893	164	68450	ABA1745	168	68684	ABA6916M	160	68867	ABA459	172
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68090	ABA1599W	164	68454	ABA1756	168	68701	ABA236	170	68871	ABA1696	168
68094	ABA8712	118	68455	ABA1776	168	68702	ABA239	170	68872	ABA300P	170
68102	ABA8620	118	68456	ABA2355	162	68703	ABA240	170	68873	ABA458	172
68120	ABA41018	161	68457	ABA2362	162	68731	ABA41806LG	165	69000	ABA4101820	161
68137	ABA248	161	68469	ABA14480	161	68746	ABA1208I	162	69128	ABA7137ORBCARD	135
68138	ABA282	161	68470	ABA14481	161	68747	ABA1508I	162	69202	ABA7215	131
68143	ABA6849SC	165	68480	ABA1841	168	68750	ABA236CS	170	69203	ABA7218	131
68184	ABA281	161	68481	ABA1842	168	68751	ABA237CS	170	69204	ABA7226	131
68198	ABA1584ORBCS	164	68482	ABA1843	168	68752	ABA3053RA	172	69207	ABA8595	118
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69212	ABA8630	118	69375	ABA6849SP	165	69604	ABA2450	162	69773	ABA7205ORBCARD	137
69213	ABA8634	118	69376	ABA6849BI	165	69605	ABA3221B	168	69774	ABA7101CARD	137
69214	ABA8637	118	69393	ABA41897	166	69607	ABA41857	166	69775	ABA7133SNCARD	136
69215	ABA8640	118	69500	ABA2400	134	69610	ABA41877	166	69776	ABA7205VBCARD	137
69216	ABA8650	118	69501	ABA2450RP	162	69611	ABA4230	166	69777	ABA1508CP	162
69221	ABA8770	118	69502	ABA2451	162	69614	ABA5149ORB	136	69778	ABA243	170
69223	ABA8810	129	69503	ABA2451RP	162	69615	ABA5149SN	136	69779	ABA244	170
69224	ABA8811	129	69504	ABA2452	162	69617	ABA5149VB	136	69780	ABA3056CAI	171
69228	ABA8825	118	69505	ABA2452RP	162	69622	ABA1208P	162	69799	ABA72121CARD	136
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69242	ABA9660	121	69509	ABA3933	168	69639	ABA6810	163	69802	ABA72132SNCARD	136
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69245	ABA8587	129	69511	ABA3221A	168	69642	ABA6822	163	69804	ABA72132ORBCARD	136
69246	ABA8588	129	69512	ABA6820	163	69643	ABA6824SN88	163	69805	ABA72132PNCARD	136
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69258	ABA21714	169	69516	ABA6859	166	69646	ABA6824VB	163	69828	ABA6841BI	165
69262	ABA18426865516	168	69520	ABA6899	163	69647	ABA6824W	163	69834	ABA7208VBCARD	136
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69267	ABA21614	169	69523	ABA7102	136	69649	ABA6834ORB	163	69836	ABA7133VBCARD	136
69269	ABA8763	118	69524	ABA7103	137	69651	ABA6839	165	69837	ABA7208SNCARD	136
69280	ABA7133ORBCARD	136	69530	ABA7101ORBCARD	137	69652	ABA6841ORB	165	69840	ABA6861	135
69284	ABA21814	169	69536	ABA7101VBCARD	137	69653	ABA6841SN	165	69842	ABA720NT	151
69285	ABA22114	169	69541	ABA7102ORBCARD	136	69654	ABA6841VB	165	69961	ABA743SN	151
69289	ABA7137SNCARD	135	69542	ABA7102PBCARD	136	69655	ABA6841W	165	69971	ABA6895	164
69290	ABA21914	169	69543	ABA7102SNCARD	136	69656	ABA6845	165	69974	ABA6892	164
69291	ABA22014	169	69544	ABA7102VBCARD	136	69658	ABA6847	165	80100	R5101	35
69302	ABA8711	118	69547	ABA7130CARD	136	69661	ABA6849ORB	165	80103	R5103	35
69303	ABA4433B	118	69548	ABA7131CARD	136	69662	ABA6849SN	165	80105	R5105	35
69304	ABA4436B	118	69554	ABA7200	137	69664	ABA6849VB	165	80200	R5002	33
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69306	ABA8806	118	69560	ABA7205SNCARD	137	69668	ABA6855	166	80315	R5153	34
69307	ABA8804	118	69567	ABA1513	162	69705	ABA8589	129	80320	R5156	34
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69310	ABA8805	118	69569	ABA5145	136	69723	ABA700	151	80415	R1621	36
69311	ABA8808	118	69570	ABA1204A	162	69725	ABA700NT	151	80420	R1623	36
69324	ABA8660	118	69571	ABA1204P	162	69726	ABA720	151	80421	R1625	36
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69329	ABA6824SC	163	69574	ABAKCOB2	169	69728	ABA703ORB	151	80424	R1523	36
69331	ABA6824BI	163	69575	ABAKCOB3	169	69729	ABA723ORB	151	80425	R1525	36
69333	ABA6824VB88	163	69580	ABA1508A	162	69733	ABA703SN	151	80427	R301	36
69334	ABA6824ORB88	163	69581	ABA1508CA	162	69734	ABA723SN	151	80430	80430	36
69336	ABA6832	163	69582	ABA1508P	162	69736	ABA703VB	151	80431	80431	36
69337	ABA6834VB	163	69583	ABA1516	162	69737	ABA743VB	151	80432	80432	36
69338	ABA6834PN	163	69584	ABA1517	162	69742	ABA710	151	80890	RFS1	37
69339	ABA6834SC	163	69588	ABA2342BI	165	69743	ABA730	151	81255	R5071	34
69340	ABA6834SP	163	69589	ABA2342ORB	165	69744	ABA750	151	81331	R5358	37
69342	ABA6834W	163	69590	ABA2342PB	165	69746	ABA750NT	151	81332	R5359	37
69344	ABA6834WI	163	69591	ABA2342SN	165	69747	ABA713ORB	151	81340	R14930	37
69350	ABA1599PN	164	69592	ABA2342SP	165	69749	ABA713SN	151	81352	R5401	37
69351	ABA1599SC	164	69594	ABA2342VB	165	69750	ABA733SN	151	81400	R5451	37
69353	ABA1599BI	164	69595	ABA2342W	165	69752	ABA713VB	151	81405	R5455	37
69357	ABA1652VB	164	69597	ABA2344	162	69767	ABA6901	163	81410	R5460	37
69367	ABA1582CS	164	69598	ABA2345	162	69768	ABA6902	163	81500	R5501	37
69368	ABA1584PNCS	14	69599	ABA2348	162	69769	ABA6903	163	81505	R5503	37
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81620	R5555	37	81876	GB318	94	82064	W4700	62	82193	102-EZ	180
81625	R5557	37	81878	GB418	94	82065	W4700CP	62	82194	103-EZ	180
81630	R5559	37	81879	GB518	94	82066	W4701	62	82195	105-EZ	180
81635	R5561	37	81900	AB1	95	82067	W4701CP	62	82196	105-K	180
81640	R5563	37	81905	AB2	95	82068	W4702	62	82197	106-EZ	180
81651	R5566	37	81910	AB3	95	82069	W4702CP	62	82198	107-EZ	180
81700	HB31	95	81915	AB4	95	82072	W4738	62	82199	400	180
81702	HB34	95	81916	AB5	95	82073	W4738CP	62	82200	401	180
81705	FB31	95	81920	AB118	95	82107	W2704	59	82201	402	180
81707	FB34	95	81925	AB218	95	82112	MWB-3	44	82233	36B	180
81710	GB31	95	81930	AB318	95	82113	MWB-4	44	82234	36W	180
81712	GB34	95	81931	HB118	94	82114	MWB-5	44	82235	42B	180
81713	GB3118	95	81932	HB218	94	82115	MWB-6	44	82236	42W	180
81714	GB3418	95	81933	HB318	94	82116	MWB-7	44	82311	T200QT	42
81715	AB31	96	81935	AB418	95	82117	MWB-8	44	82314	MWBRLV	44
81717	AB34	96	81940	CB31	96	82118	MWB-9	44	82320	BTP612	127
81718	AB3118	96	81941	CB34	96	82119	MWB-10	44	82321	W2722	59
81719	AB3418	96	81950	RCS1	97	82120	MWB-11	44	82325	BTP934	127
81720	RC31	96	81974	B200X	40	82121	MWB-12	44	82330	BTP940	127
81722	RC34	96	81975	B200C	40	82122	MWB-13	45	82331	4878	128
81723	GB3118BE	95	81977	R4702	62	82129	T150TPPVC	42	82332	5878	128
81724	GB3418BE	95	81999	W2711HACP	60	82131	T150TPPVCLV	42	82333	4879	128
81725	RC1	96	82000	R2012B	59	82133	T150	42	82334	5879	128
81730	RC2	96	82001	W2711	59	82134	T150LV	42	82335	BD2	128
81735	RC3	96	82002	W2711CP	59	82135	T200TPPVC	42	82336	4878B	128
81739	LPC1	97	82003	W4711	62	82136	T200TPABS	42	82338	4880	127
81740	RC4	96	82004	W4711CP	62	82137	T200TPPVCLV	42	82339	5880	127
81741	LPC15	97	82008	W2713	59	82138	T200TPABSLV	42	82340	TT200	43
81742	LPC2	97	82013	R2512B	59	82139	T200	42	82341	TT200QTS	43
81743	LPC3	97	82014	R2001B	59	82140	T200LV	42	82342	TT200TPPVC	43
81744	LPC4	97	82017	R2800B	59	82142	NWBED200-3	40	82343	TT200TPPVCS	43
81745	RC5	96	82026	B150	40	82144	WNWBED200-4	42	82344	TT200TPPVCC	43
81746	EFB1	97	82028	BED150	40	82145	T200TPPVCCPVC	42	82345	TT200TPPVCP	43
81750	HB1	94	82030	FB150	41	82146	MWB-15	45	82346	TT200TPABS	43
81751	HB1LB	94	82031	WB150	41	82147	T200TPABSQT	42	82347	TT200TPABSS	43
81755	HB2	94	82032	B200	40	82148	MWB-16	44	82348	TT200TPABSC	43
81756	HB2LB	94	82033	BE200	40	82150	R4842S	126	82349	TT200TPABSP	43
81760	HB3	94	82034	BED200	40	82151	R5842S	126	82355	FR12S	48
81765	HB4	94	82035	NWBED200-4	40	82152	MWB-17	44	82356	FR12SCP	48
81800	FB1	94	82036	BB200TS	40	82153	MWB-18	44	82357	FR12C	48
81805	FB2	94	82037	BBE200TS	40	82154	MWB-19	45	82358	FR12CCP	48
81810	FB3	94	82038	BBED200TS	40	82156	R5843S	126	82359	FR12P	48
81815	FB4	94	82039	FB200	41	82157	MWB-20	44	82360	FR12PCP	48
81820	81820	97	82040	FBE200	41	82158	T200TPPVCHA	42	82361	FR12W	48
81821	81821	97	82041	FBED200	41	82159	T200TPCVCHA	42	82362	FR12WCP	48
81822	81822	97	82042	NWFBED200-4	42	82161	MWB21	45	82363	FR12SS	49
81823	81823	97	82043	WB200	41	82162	MWB22	45	82364	FR12SSCP	49
81824	81824	97	82044	WBE200	41	82165	MWB25	44	82365	FR12CS	49
81825	81825	97	82045	WBED200	41	82170	SSWB1	45	82366	FR12CSCP	49
81826	81826	97	82046	WNWBED200-3	42	82171	SSWB2	45	82367	FR12PS	49
81827	81827	97	82047	WBE200HA	41	82172	SSWB1TM	45	82368	FR12PSCP	49
81850	GB1	94	82048	WB200HA	41	82174	SSDB1	45	82369	FR12WS	49
81855	GB2	94	82052	W2700	59	82184	MWB23	44	82370	FR12WSCP	49
81860	GB3	94	82053	W2700CP	59	82188	99-EZ	180	82371	FR12SHA	49
81865	GB4	94	82054	W2701	59	82189	EX99-EZ	180	82372	FR12SHACP	49
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82375	FR12PHA	49	82522	82522	183	82865	CH34114	82	83268	83268	101
82376	FR12PHACP	49	82523	82523	183	82951	I312	84	83282	83282	101
82377	FR12WHA	49	82524	82524	183	82955	I334	84	83300	TX2	91
82378	FR12WHACP	49	82525	82525	183	82957	CI31234	83	83301	TX1	91
82379	FR12SSHA	50	82527	82527	183	82960	I301	83	83302	TX3	91
82380	FR12SSHACP	50	82550	RWG1	79	82961	I314	83	83350	VB1	91
82381	FR12PSHA	50	82552	RWG4	79	82962	I315	83	83355	VB2	91
82382	FR12PSHACP	50	82553	RWG5	79	82963	I320	83	83360	VB3	91
82383	FR12DS	50	82554	RWG6	79	82965	I412	84	83365	VB4	91
82384	FR12DSCP	50	82555	RWG2	79	82966	RI412C	84	83366	VB4X	91
82389	FRIB12ABDS	53	82556	RWG7	79	82967	82967	84	83367	VB5	91
82390	FRMIB12ABS	51	82557	RWG8	79	82968	82968	84	83369	VB5X	91
82392	FRMIB12ABSHA	51	82559	RWG10	79	82970	I434	84	83400	WTSR	92
82393	FRMIB12ABC	51	82560	RWG1J	79	82971	RI434C	84	83404	WTSB	92
82394	FRMIB12ABCHA	51	82561	RWG2J	79	82972	CI41234	84	83405	WTSR4	92
82395	FRMIB12ABP	51	82565	RNWG1	79	82975	I401	84	83407	WTSB4	92
82396	FRMIB12ABPHA	51	82567	FRM12S	47	82979	CI341234	84	83409	WTSR10	92
82397	FRMIB12ABW	51	82569	FRM12C	47	82980	SS512	83	83410	WTSB10	92
82398	FRMIB12ABWHA	51	82571	FRM12P	47	82981	SS534	83	83411	WTSBK	92
82399	FRMIB12ABDS	51	82573	FRM12W	47	82982	SS501	83	83412	WTSR2734	92
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82405	R4820G	130	82577	FRM12CS	47	83003	C612	84	83416	83416	92
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82408	FRIB12ABS	52	82581	FRM12WS	47	83008	C634	84	83418	83418	92
82409	FRIB12ABSCP	52	82583	FRM12SHA	47	83010	C601	84	83419	83419	92
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82412	FRIB12ABCCP	52	82587	FRM12PHA	47	83013	C615	84	83445	P454	93
82413	FRIB12ABP	52	82589	FRM12WHA	47	83014	C620	84	83446	P465	93
82414	FRIB12ABPCP	52	82591	FRM12SSHA	48	83015	CC61234	84	83447	P441	93
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82418	FRIB12ABSHACP	52	82645	DBSS2	54	83100	RVCJH	87	83500	RDF12	105
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82420	FRIB12ABCHACP	52	82650	4870K	129	83130	RCPH12	87	83510	RDF34	105
82421	FRIB12ABPH	52	82652	4872K	129	83134	83134	102	83515	RDF36	105
82422	FRIB12ABPHCP	52	82655	4871K	129	83135	RCPH34	87	83542	83542	101
82423	FRIB12ABWHA	52	82660	R4873K	129	83146	83146	102	83543	83543	101
82424	FRIB12ABWHACP	52	82830	MH321	87	83180	WHS1	90	83544	83544	101
82425	DB-425	55	82831	MH322	86	83181	WHS2	90	83569	83569	169
82426	DB-350	55	82832	MH323	86	83200	WMP1	90	83570	83570	169
82427	DB-4D	55	82833	MH324	86	83202	WMP2	90	83571	83571	169
82428	DB-3D	55	82834	MH421	87	83203	WMP3	90	83572	83572	169
82446	FRGB12IP	53	82835	MH422	87	83204	WMP2B	90	83573	83573	169
82448	FRGB12CSST	53	82836	MH423	87	83205	WMP4	90	83574	83574	169
82452	6305W	137	82837	MH424	87	83211	83211	101	83591	MWN1	109
82455	6305AB	137	82840	RH112C	82	83212	83212	101	83592	MWN2	109
82456	FRAAV12	53	82841	82841	82	83216	83216	101	83593	MWN3	109
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82460	6305PB	137	82845	RH134C	82	83225	83225	101	83595	MWN9	109
82461	6305NP	137	82846	H138	82	83234	83234	101	83596	MWN6	109
82472	DLWB1	45	82850	H112	82	83246	83246	101	83597	MWN10	109
82492	82492	183	82852	82852	82	83248	83248	101	83598	MWN8	109
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82494	82494	183	82855	H134	82	83252	TP1B	91	83611	83611	100
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83622	83622	100	83732	83732	105	83925	83925	106	85702	W2800HACP	60
83623	83623	100	83733	83733	105	83926	83926	106	85703	W2700HA	60
83624	83624	100	83734	83734	105	83927	83927	106	85704	W2700HACP	60
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83630	83630	100	83753	83753	107	83974	83974	104	85709	W4700HACP	63
83632	83632	100	83754	83754	107	83975	83975	104	85711	W4701HA	63
83633	83633	101	83756	83756	100	83976	83976	104	85712	W4701HACP	63
83635	83635	100	83757	83757	100	83978	83978	104	85713	W4700HACPLF	63
83642	83642	101	83758	83758	100	83979	83979	104	85714	W2702HA	60
83643	83643	101	83759	83759	100	83981	83981	104	85716	W4702HA	63
83644	83644	101	83761	83761	100	83982	83982	104	85717	W2801HA	60
83646	83646	101	83764	83764	100	84000	RFHA1	92	85718	W2801HACP	60
83649	MC02CI	107	83765	83765	100	84005	RSG13	92	85719	W2802HA	60
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83653	83653	102	83768	83768	103	84030	RGS8	86	85749	W2811HACP	60
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83656	MC02	107	83783	83783	107	84055	REP1	34	85815	4840S2	126
83657	MC03	107	83784	83784	107	84082	84082	104	85816	4840PS2	126
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83659	MC06	107	83787	83787	107	84124	84124	104	85825	4840B2	126
83660	MC06CI	107	83788	83788	107	84146	84146	104	85830	5840B2	126
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83662	83662	102	83790	83790	107	84148	84148	104	85840	5840S3	126
83663	83663	102	83791	83791	107	84149	84149	104	85845	4840B3	126
83664	83664	102	83792	83792	107	84151	84151	104	85850	5840B3	126
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83672	83672	102	83797	F212LF	83	85000	5817P11/2	110	85860	5840B4	126
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83678	83678	102	83805	F201	83	85122	W2121CP	61	85919	5896	172
83680	83680	102	83816	83816	103	85123	W2250	61	85940	4802	126
83682	83682	102	83818	83818	103	85124	W2250CP	61	85941	85941	126
83685	83685	102	83824	83824	103	85125	W2122	61	85942	85942	126
83687	83687	109	83860	83860	103	85126	W2122CP	61	85945	5802	126
83688	83688	109	83861	83861	103	85130	W2201HACP	61	85950	4803	126
83689	83689	109	83865	83865	103	85131	W2738	59	85951	4803S	126
83690	83690	109	83869	83869	103	85132	W2738CP	59	85955	5803	126
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83698	83698	105	83908	83908	106	85465	SO4	111	85984	4850S2	132
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83706	83706	111	83913	83913	106	85630	W2800	59	85992	4850W	132
83710	83710	105	83914	83914	106	85632	W2800CP	59	85995	5850B2	132
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87529	TC4A	110	87968	AB9700CP	67	88368	88368	75	89148	MSI1	85
87660	R5123	33	87969	AB9702	67	88369	88369	75	89150	MSI3	85
87665	R5124	33	87970	AB9702CP	67	88372	AB9200HA	69	89151	MSI4	85
87670	R5125	33	87971	AB9701	67	88373	AB9200HACP	69	89152	MSI5	85
87685	R5134	33	87972	AB9701CP	67	88374	AB9200D	69	89158	MSI6	85
87690	R5135	33	87973	AB9711	67	88376	AB9201HA	69	89160	MSP1	85
87695	R5136	33	87974	AB9711CP	67	88377	AB9202HA	69	89161	MSI7	85
87705	R5175	35	87978	AB9700HA	67	88378	AB9202HACP	69	89164	MSP2	85
87710	R5176	35	87979	AB9700HACP	67	88379	AB9211HA	69	89165	MSI15	85
87715	R5177	35	87980	AB9702HA	67	88380	AB9211HACP	69	89166	MSI20	85
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87718	87718	35	87982	AB9701HA	67	88383	AB9238CP	69	89267	W7070	74
87719	87719	35	87983	AB9701HACP	67	88384	RWN5	109	89275	89255	74
87720	R5162	34	87984	AB9711HA	67	88386	RWN1	109	89277	89277	74
87721	87721	35	87985	AB9711HACP	67	88387	RWN2	109	89279	89279	74
87725	R5163	33	87989	AB9200	69	88388	RWN3	109	89282	FR7070	55
87730	R5164	33	87990	AB9200CP	69	88389	RWN4	109	89403	4855B	131
87735	R5165	33	87991	AB9202	69	88390	RWN6	109	89404	4855BSQ	131
87740	R5166	33	87992	AB9202CP	69	88399	AB9222	69	89406	4855S	131
87750	R5160	34	87993	AB9201	69	88400	88400	74	89410	4860S	131
87755	R5161	34	87994	AB9201CP	69	88401	88401	74	89428	4876PC4	124
87760	RWG3	79	87995	AB9211	69	88402	88402	74	89432	89432	124
87795	R5581	37	87996	AB9211CP	69	88403	88403	74	89439	5010	74
87800	R5583	37	88017	AB9000A	67	88406	88406	74	89549	5855B	131
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87826	3001AB	72	88106	W5700	73	88416	88416	75	89552	5855S	131
87827	3312DAB	72	88107	W5700CP	73	88417	88417	75	89917	6240	74
87828	3512XAB	72	88112	MGB1	54	88418	88418	75	90011	6404AVEID	74
87829	3512XABCP	72	88133	MIB1AB	46	88419	88419	75	90195	7009	74
87860	W5912IP	73	88135	6305	137	88480	AB9800	68	90250	7042C	74
87861	W5934IP	73	88150	6320	136	88481	AB9800CP	68	90254	7063	55
87862	W5912CSST	73	88151	6323PB	136	88482	AB9801	68	90266	7067	74
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87891	TCB1AB	72	88170	6401A	74	88486	AB9811	68	90444	90444	107
87892	TCB1XAB	72	88177	SSIB2AB	46	88487	AB9811CP	68	90445	90445	107
87893	TCB1XABCP	72	88178	MIB3AB	46	88488	AB9900	68	90447	90447	107
87894	TCB2AB	72	88182	RAB900B	67	88489	AB9900CP	68	90448	90448	107
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87937	AB9302HA	70	88260	6408	74	88494	AB9902CP	68	93142	93142	86
87938	AB9302HACP	70	88262	6408CNS	74	88496	AB9911	68	93144	93144	86
87939	MDWB1AB	54	88269	88269	75	88497	AB9911CP	68	93145	93145	86
87940	MDWB2AB	54	88285	7003	74	88504	KP1	92	93150	93150	86
87944	MDWB3AB	54	88290	7003A	74	88505	KP2	92	93155	93155	86
87952	AB9722	67	88350	HHPAK	90	88506	KPRS	92	93160	93160	86
87953	AB9722CP	67	88351	88351	75	88510	BIM875QTSAB	46	93161	93161	86
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87962	AB9302	70	88357	88357	75	88532	MIB2AB	46	93169	93169	86
87964	MDWB4AB	54	88358	88358	75	88533	MIB2HAAB	46	96997	BTRC	55
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97038	CN200	55	82222	2018KOC1	182			
97046	5225	55	82223	2018KOG1	182			
97091	B	55	82224	2018KOH1	182			
97092	BE	55	82225	2018KOK1	182			
97093	BED	55	82226	2018KOS1	182			
97094	NWBED	55	82228	2018MAN1	182			
97095	T	55	82229	2018TOL1	182			
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97529	97529	107	82324	2018GRM4	182			
97530	97530	107	82401	2018SLSS3003	182			
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97922	2018-KON-G1	182	82500	R4830KO	76			
97983	97983	55	82505	R48302	76			
99577	99577	106	82516	R5831	77			
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99851	99851	106	97730	2018CRW4	181			
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60053	ABAB8827	135	97768	2018ASC4	181			
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67491	ABA7137VBCARD	135	97790	2018ASM4	181			
68239	ABA7234	135	97797	2018ASR4	181			
68261	ABA7232	135	97804	2018BDI4	181			
69326	ABA7137PNCARD	135	97811	2018BRW4	181			
69552	ABA7135CARD	135	97818	2018CRN4	181			
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69965	ABA6896	164	97832	2018ELB4	181			
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82206	2018ASM1	181	97881	2018KOH4	182			
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82209	2018BDI1	181	97902	2018MAN4	182			
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10012	006510000	31	10137	107140641	24	10232	107710521	25	14111	14111	31
10014	006530000	31	13078	107190115	21	10233	107710531	25	14112	14112	31
10015	006540000	31	10156	107190122	21	10965	107710811	25	97922	2018-KON-G1	182
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82192	101-EZ	180	10159	107190232	21	10968	107710841	25	97775	20184	181
10050	101820011	35	10160	107210911	20	10969	107710851	25	82187	20184F	182
10051	101820021	35	10161	107210921	20	10241	107730311	25	82203	2018ASC1	181
82193	102-EZ	180	10162	107210931	20	10243	107730321	25	97768	2018ASC4	181
82194	103-EZ	180	10163	107210941	20	10244	107730331	25	82204	2018ASD1	181
82195	105-EZ	180	10849	107210951	20	10245	107730341	25	97783	2018ASD4	181
82196	105-K	180	12233	107240111	24	10246	107730351	25	82205	2018ASL1	181
10062	105050012	34	11659	107240121	24	10247	107750911	28	97717	2018ASL4	181
10063	105050022	34	11890	107240131	24	10248	107750921	28	82206	2018ASM1	181
10064	105050031	34	12817	107240611	24	10249	107750931	28	97790	2018ASM4	181
10068	105050041	34	12818	107240621	24	10250	107750941	28	82207	2018ASOL	181
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97797	2018ASR4	181	20298	20298	175	85895	4841B	122	86185	5831	77
82209	2018BDI1	181	20299	20299	175	86191	4843	78	86186	5831M	77
97804	2018BDI4	181	20300	20300	174	86193	4844	78	85830	5840B2	126
97916	2018BM1	181	20301	20301	174	86252	4845	78	85850	5840B3	126
97912	2018BM4	181	20302	20302	174	86196	4845P	78	85860	5840B4	126
82210	2018BRW1	181	20305	20305	174	86201	4845PKO	78	85820	5840S2	126
97811	2018BRW4	181	20336	20336	174	86198	4845S	78	85840	5840S3	126
82211	2018CRH1	181	20340	20340	174	86203	4845SKO	78	85910	5841A4	122
97723	2018CRH4	181	20341	20341	174	86251	4846	78	86192	5843	78
82212	2018CRN1	181	20342	20342	174	86147	4846S	78	86194	5844	78
97818	2018CRN4	181	20344	20344	177	86250	4847	78	86197	5845P	78
82213	2018CRW1	181	20345	20345	177	85990	4850B2	132	86202	5845PKO	78
97730	2018CRW4	181	20346	20346	175	85980	48500S	132	86199	5845S	78
82214	2018CRY1	181	20349	20349	175	85986	4850PS	132	86204	5845SKO	78
97825	2018CRY4	181	20357	20357	176	85984	4850S2	132	86148	5846S	78
82215	2018ELB1	181	20391	20391	176	85992	4850W	132	85995	5850B2	132
97832	2018ELB4	181	20398	20398	175	89403	4855B	131	85985	58500S	132
82216	2018ELD1	181	20700	20700	177	89404	4855BSQ	131	85975	5850S2	132
97839	2018ELD4	181	87826	3001AB	72	85987	4855PS	131	89549	5855B	131
82217	2018ELM1	181	87827	3312DAB	72	89406	4855S	131	89550	5855BSQ	131
97846	2018ELM4	181	87828	3512XAB	72	89410	4860S	131	89552	5855S	131
82218	2018ELS1	181	87829	3512XABCP	72	86095	4863	127	86100	5863	127
97737	2018ELS4	181	82233	36B	180	86105	4864	127	86110	5864	127
82219	2018ELU1	181	82234	36W	180	86115	4865	127	86120	5865	127
97853	2018ELU4	181	82199	400	180	86121	4866	127	86122	5866	127
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97860	2018GRH4	182	82201	402	180	82655	4871K	129	82334	5879	128
82324	2018GRM4	182	82235	42B	180	82652	4872K	129	82339	5880	127
82221	2018GRP1	182	82236	42W	180	89428	4876PC4	124	85919	5896	172
97867	2018GRP4	182	85940	4802	126	82331	4878	128	89917	6240	74
97962	2018KOB1	182	85950	4803	126	82336	4878B	128	82455	6305AB	137
82222	2018KOC1	182	85951	4803S	126	82333	4879	128	82461	6305NP	137
97874	2018KOC4	182	85960	4804	126	82338	4880	127	82460	6305PB	137
82223	2018KOG1	182	85961	4804S	126	85916	4895	172	86091	6305VB	137
97744	2018KOG4	182	86050	4820G	130	89439	5010	74	82452	6305W	137
82294	2018KOGVP	182	86126	4824	76	97034	5062	55	86035	6320PB	136
82224	2018KOH1	182	86141	4824A	77	97046	5225	55	88151	6323PB	136
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97751	2018KOK4	182	86165	4830A	77	85955	5803	126	90011	6404AVEID	74
97922	2018KONG1	182	86166	4830A2	77	85965	5804	126	88260	6408	74
97923	2018KONG4	182	86167	4830A3	77	85000	5817P11/2	110	88262	6408CNS	74
97911	2018KOP1	182	86179	4830AS2	77	85005	5817P2	110	88285	7003	74
97915	2018KOP4	182	86177	4830ASTF	77	85010	5817P3	110	88290	7003A	74
82226	2018KOS1	182	86173	4830ATF	77	85015	5817P4	110	90195	7009	74
97888	2018KOS4	182	86130	4830KO	76	86055	5820G	130	90250	7042C	74
97895	2018MAH4	182	86151	4830LP	76	86127	5824	76	90254	7063	55
82228	2018MAN1	182	86131	4830LPK	76	86142	5824A	77	90266	7067	74
97902	2018MAN4	182	86132	4830TFK	76	86129	5824KO	76	81820	81820	97
82401	2018SLSS3003	182	86180	4831	77	86145	5830	76	81821	81821	97
82404	2018SLSS30034	182	86181	4831M	77	86170	5830A	77	81822	81822	97
82229	2018TOL1	182	85825	4840B2	126	86175	5830A2	77	81823	81823	97
97758	2018TOL4	182	85845	4840B3	126	86176	5830A3	77	81824	81824	97
97937	2018ZNNZ1	182	85855	4840B4	126	86182	5830AS2	77	81825	81825	97
97938	2018ZNNZ4	182	85816	4840PS2	126	86178	5830ASTF	77	81826	81826	97
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82842	82842	82	90504	90504	55	87968	AB9700CP	67	69572	ABA1208A	162
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82968	82968	84	93150	93150	86	87982	AB9701HA	67	61799	ABA1210CSCT	142
83416	83416	92	93155	93155	86	87983	AB9701HACP	67	61637	ABA1210S	142
83417	83417	92	93160	93160	86	87969	AB9702	67	61825	ABA1230S	145
83418	83418	92	93161	93161	86	87970	AB9702CP	67	61643	ABA1236CS	145
83419	83419	92	93165	93165	86	87980	AB9702HA	67	68311	ABA124	168
85941	85941	126	93166	93166	86	87981	AB9702HACP	67	62400	ABA1260CS	143
85942	85942	126	93167	93167	86	87973	AB9711	67	62289	ABA1260CSCT	143
86187	86187	79	93168	93168	86	87974	AB9711CP	67	62048	ABA1263S	143
86208	86208	79	93169	93169	86	87984	AB9711HA	67	62339	ABA1263SCT	143
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86601	86601	71	81719	AB3418	96	88487	AB9811CP	68	62934	ABA1305ZCT	143
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86624	86624	71	88372	AB9200HA	69	88497	AB9911CP	68	62288	ABA1310ZCT	143
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86970	86970	88	87992	AB9202CP	69	60005	ABA0441	115	62310	ABA1334SN	146
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88400	88400	74	88380	AB9211HACP	69	61054	ABA1101CT	142	62472	ABA1339ORB	146
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88403	88403	74	88383	AB9238CP	69	61791	ABA1105VB	142	68314	ABA134	168
88250	88404	74	87960	AB9300	70	61042	ABA1106	142	62067	ABA1345ZCT	146
88251	88405	74	87934	AB9300HA	70	61041	ABA1125	145	64421	ABA1421717GACS	157
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61155	ABA14463	156	61001	ABA1506	152	63084	ABA1615	145	63207	ABA1720G	159
64238	ABA1446317GA	156	61047	ABA1506Z	152	63085	ABA1617	145	63208	ABA1720T	159
61162	ABA14465	159	69580	ABA1508A	162	64002	ABA1619ORB	145	64936	ABA1722CARD	159
61163	ABA1446517GA	159	69581	ABA1508CA	162	64003	ABA1619SN	145	63372	ABA1723BICARD	159
61165	ABA14469	156	69777	ABA1508CP	162	64004	ABA1619VB	145	64039	ABA1723ORB	159

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64939	ABA1723PNCARD	159	68820	ABA1845	168	62262	ABA2221VBRI	139	69594	ABA2342VB	165
63373	ABA1723SCCARD	159	68823	ABA1848	168	62264	ABA2221VBTK	139	69595	ABA2342W	165
64040	ABA1723SN	159	68762	ABA1945	167	62008	ABA2222ORB	140	69597	ABA2344	162
64940	ABA1723SNCARD	159	68800	ABA200A	170	62249	ABA2222ORBRI	139	69598	ABA2345	162
64984	ABA1723SPCARD	159	68500	ABA200CA	170	62009	ABA2222SN	140	69599	ABA2348	162
63224	ABA1723VB	159	68503	ABA200CP	170	62088	ABA2222SNRI	139	69600	ABA2349	162
64941	ABA1723VBCARD	159	68827	ABA200P	170	62092	ABA2222VB	140	68700	ABA235	170
64942	ABA1723WCARD	159	68828	ABA201	169	62263	ABA2222VBRI	139	69601	ABA2352	160
68303	ABA1725	167	68650	ABA202	169	62094	ABA2225	138	68210	ABA2353	160
68315	ABA1726	167	68651	ABA203	169	61023	ABA2226	138	68456	ABA2355	162
68304	ABA1728	167	68652	ABA204	169	61231	ABA2226FLEX	138	68079	ABA2356	162
68319	ABA1728S	167	68653	ABA205	169	61032	ABA2226FLEXZ	138	68486	ABA2358	162
68324	ABA1731ORB	167	68654	ABA206	169	62012	ABA2234CS	140	68066	ABA2359	162
68326	ABA1731ORBBS	167	68829	ABA207	169	62013	ABA2235CS	140	68834	ABA235CS	170
68328	ABA1731SN	167	68830	ABA208	169	62104	ABA2238ORBSCS	140	68701	ABA236	170
68331	ABA1731SNS	167	68655	ABA215	169	62109	ABA2238SNCS	140	69602	ABA2361	162
68336	ABA1731VB	167	69257	ABA21514	169	62915	ABA2238VBCS	140	68457	ABA2362	162
68339	ABA1731VBS	167	68656	ABA216	169	62117	ABA2239ORBSCS	140	63246	ABA2365CS	141
68308	ABA1733	167	69267	ABA21614	169	62014	ABA2239SNCS	140	63250	ABA2366ORBSCS	141
68343	ABA1733S	167	68831	ABA217	169	62124	ABA2239VBCS	140	63251	ABA2366PBCS	141
68309	ABA1736	167	69258	ABA21714	169	61236	ABA2242CS	138	63255	ABA2366SNCS	141
68349	ABA1736S	167	68657	ABA218	169	61024	ABA2243CS	138	63260	ABA2366VBCS	141
68352	ABA1738ORB	167	69284	ABA21814	169	61237	ABA2243FLEXCS	138	68750	ABA236CS	170
68353	ABA1738ORBBS	167	68658	ABA219	169	62127	ABA2250	140	68837	ABA237	170
68355	ABA1738SN	167	69290	ABA21914	169	61050	ABA2250TK	139	63263	ABA2371	141
68356	ABA1738SNS	167	68659	ABA220	169	62325	ABA2250TKZ	139	64060	ABA2372ORB	141
68361	ABA1739	167	62480	ABA2200	140	62015	ABA2250Z	140	64061	ABA2372SN	141
68362	ABA1739S	167	62000	ABA2201	140	62016	ABA2251	140	64062	ABA2372VB	141
68450	ABA1745	168	69291	ABA22014	169	62079	ABA2251RIZ	139	63276	ABA2377	141
68453	ABA1746	168	68832	ABA221	169	62017	ABA2251Z	140	63279	ABA2378BI	141
68363	ABA1748	167	61226	ABA2210	138	62130	ABA2254ORB	140	64054	ABA2378ORB	141
68364	ABA1748S	167	61227	ABA2211	138	62233	ABA2254SN	140	63281	ABA2378PB	141
68366	ABA1749ORB	167	69285	ABA22114	169	62132	ABA2254VB	140	63282	ABA2378PN	141
68367	ABA1749ORBBS	167	62001	ABA2217	140	62135	ABA2255ORB	140	63285	ABA2378SC	141
68368	ABA1749SN	167	62486	ABA2217M	140	62267	ABA2255ORBTK	139	64055	ABA2378SN	141
68369	ABA1749SNS	167	62002	ABA2217PZ	140	62136	ABA2255SN	140	64056	ABA2378SP	141
60074	ABA1749VB	167	62070	ABA2217RI	139	62265	ABA2255SNTK	139	64058	ABA2378VB	141
68373	ABA1749VBS	167	62072	ABA2217RIPZ	139	62231	ABA2255VB	140	64059	ABA2378W	141
68600	ABA175	169	62003	ABA2217Z	140	62266	ABA2255VBTK	139	68751	ABA237CS	170
68451	ABA1755	168	62007	ABA2218	140	61741	ABA2258	138	68839	ABA238	170
68454	ABA1756	168	62487	ABA2218M	140	61025	ABA2259	138	68492	ABA238CS	170
68601	ABA176	169	62037	ABA2218PZ	140	62139	ABA2259FLEX	138	68702	ABA239	170
68602	ABA177	169	62073	ABA2218RI	139	62142	ABA2282	141	68753	ABA239CS	170
68452	ABA1775	168	62078	ABA2218RICOS	139	62276	ABA2283	141	68703	ABA240	170
68455	ABA1776	168	62074	ABA2218RICOT	139	62275	ABA2290	141	69500	ABA2400	134
68603	ABA178	169	62075	ABA2218RIM	139	62277	ABA2291	141	68754	ABA240CS	170
63242	ABA1787	148	62076	ABA2218RIPZ	139	62278	ABA2298CS	141	68843	ABA241	170
68604	ABA179	169	62082	ABA2218TK	139	62145	ABA2299CS	141	68844	ABA241CS	170
68605	ABA180	169	62087	ABA2218TKPZ	139	62279	ABA2306CS	141	68845	ABA242	170
68811	ABA181	169	62038	ABA2218Z	140	62280	ABA2307CS	141	68846	ABA242CS	170
68812	ABA182	169	68833	ABA222	169	63002	ABA2340	165	69778	ABA243	170
68813	ABA1840	168	62004	ABA2221ORB	140	69588	ABA2342BI	165	69779	ABA244	170
68480	ABA1841	168	62492	ABA2221ORBRI	139	69589	ABA2342ORB	165	69604	ABA2450	162
69254	ABA18416865516	168	62493	ABA2221ORBTK	139	69590	ABA2342PB	165	69501	ABA2450RP	162
68481	ABA1842	168	62005	ABA2221SN	140	68551	ABA2342PN	165	69502	ABA2451	162
69262	ABA18426865516	168	62497	ABA2221SNRI	139	68552	ABA2342SC	165	69503	ABA2451RP	162
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67034	ABA2463	127	68861	ABA3056CPI	171	61249	ABA4034CS	153	67095	ABA44382SN	131
67035	ABA2464	127	68755	ABA3056RA	172	60502	ABA404	117	67096	ABA44382VB	131
67036	ABA2465	127	68761	ABA3056RP	172	60813	ABA4040	153	68550	ABA450	172
68137	ABA248	161	67028	ABA3100	134	61701	ABA4041	153	64648	ABA451	172
60090	ABA253	161	67029	ABA3101	134	60793	ABA4050	153	68866	ABA457	172
60122	ABA253L	161	60405	ABA312	117	61251	ABA4051	153	68873	ABA458	172
60123	ABA254	161	60406	ABA313	117	60796	ABA4053ORB	153	68867	ABA459	172
60064	ABA254L	161	67012	ABA3200	130	60794	ABA4053SN	153	65800	ABA480	117
68184	ABA281	161	67013	ABA3201	130	60795	ABA4053VB	153	67099	ABA483	117
60098	ABA281CLC	161	67065	ABA3202	130	61691	ABA4054ORB	153	67100	ABA489	117
60095	ABA281L	161	67014	ABA3203	130	61298	ABA4054SN	153	67103	ABA49592ORB	131
60097	ABA281LCLC	161	69511	ABA3221A	168	60797	ABA4054VB	153	67105	ABA49592SN	131
68138	ABA282	161	69605	ABA3221B	168	60798	ABA4056	153	67107	ABA49592VB	131
60099	ABA282CLC	161	67015	ABA3400	130	61252	ABA4057	153	67325	ABA4975	124
60096	ABA282L	161	67016	ABA3401	130	61253	ABA4059ORB	153	67108	ABA4976	124
60094	ABA282LCLC	161	67017	ABA3408	130	60799	ABA4059SN	153	67110	ABA49861	132
68850	ABA285	166	67018	ABA3409	130	60800	ABA4059VB	153	67027	ABA49871	132
68801	ABA300A	170	67019	ABA3420	130	61254	ABA4060ORB	153	67111	ABA4988	132
68501	ABA300CA	170	67020	ABA3425	130	61255	ABA4060SN	153	67026	ABA4989	132
68504	ABA300CP	170	67030	ABA3450	130	60801	ABA4060VB	153	67113	ABA49901ORB	132
68872	ABA300P	170	67031	ABA3456	130	68120	ABA41018	161	67941	ABA49901PN	132
60400	ABA302	117	68080	ABA3460053C	161	69000	ABA4101820	161	67116	ABA49901SN	132
60401	ABA303	117	67032	ABA3465	131	61256	ABA4136	154	67117	ABA49901VB	132
60402	ABA303PO	117	67076	ABA3469	131	61679	ABA41369	154	67118	ABA4990ORB	132
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68506	ABA3051CA	171	67021	ABA3520	130	60887	ABA41469	154	67119	ABA4990SN	132
68853	ABA3051CAI	171	67022	ABA3521	130	61052	ABA4151	154	67342	ABA4990VB	132
68514	ABA3051CP	171	60415	ABA353	117	61053	ABA41519	154	67122	ABA49912ORB	132
68854	ABA3051CPI	171	67078	ABA3600	134	61262	ABA41549CS	154	67123	ABA49912PN	132
68490	ABA3051RA	172	67023	ABA3601	134	61263	ABA4154S	154	67124	ABA49912SN	132
68756	ABA3051RP	172	67024	ABA3900	133	61264	ABA4155	154	67127	ABA49912VB	132
68507	ABA3052CA	171	67025	ABA3901	133	60921	ABA41559	154	67128	ABA4991ORB	132
68508	ABA3052CAI	171	67079	ABA3902	134	61051	ABA4161	154	67129	ABA4991PN	132
68515	ABA3052CP	171	69508	ABA3931	168	61270	ABA41619	154	67131	ABA4991SN	132
68855	ABA3052CPI	171	69509	ABA3933	168	60937	ABA41649CS	154	67132	ABA4991VB	132
68491	ABA3052RA	172	68802	ABA400A	170	60924	ABA4164CS	154	67321	ABA4992	125
68757	ABA3052RP	172	68502	ABA400CA	170	61275	ABA4165	154	65544	ABA4993	125
68509	ABA3053CA	171	68505	ABA400CP	170	60917	ABA41659	154	67000	ABA5000	133
68510	ABA3053CAI	171	68864	ABA400P	170	68731	ABA41806LG	165	67136	ABA5008	133
68516	ABA3053CP	171	61244	ABA4017	153	69607	ABA41857	166	60200	ABA502	116
68856	ABA3053CPI	171	61245	ABA4018	153	60063	ABA41857XL	166	67138	ABA5020	133
68752	ABA3053RA	172	60500	ABA402	117	69610	ABA41877	166	60231	ABA503	116
68758	ABA3053RP	172	60750	ABA4020ORB	153	60019	ABA41887	166	60232	ABA504	116
68511	ABA3054CA	171	60748	ABA4020SN	153	69393	ABA41897	166	67001	ABA5040	133
68857	ABA3054CAI	171	60749	ABA4020VB	153	63000	ABA4227	166	67140	ABA5045	133
68517	ABA3054CP	171	61246	ABA4021ORB	153	69611	ABA4230	166	67141	ABA5050	133
68858	ABA3054CPI	171	61692	ABA4021SN	153	60512	ABA432	117	60237	ABA506	116
68493	ABA3054RA	172	61716	ABA4021VB	153	60513	ABA433	117	67142	ABA5060	133
68759	ABA3054RP	172	60768	ABA4025	153	60514	ABA434	117	67002	ABA5065	133
68512	ABA3055CA	171	60781	ABA4026	153	67005	ABA4415	131	67144	ABA5070	133
68859	ABA3055CAI	171	60773	ABA4028ORB	153	67006	ABA4416	131	67003	ABA5073	133
68860	ABA3055CP	171	60771	ABA4028SN	153	67007	ABA4433	131	67146	ABA5074	133
68407	ABA3055CPI	171	60772	ABA4028VB	153	67010	ABA44331	131	60233	ABA512	116
68494	ABA3055RA	172	61521	ABA4029ORB	153	69303	ABA4433B	118	60234	ABA513	116
68760	ABA3055RP	172	60784	ABA4029SN	153	67008	ABA4436	131	60235	ABA514	116
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69617	ABA5149VB	136	67903	ABA6731	114	69658	ABA6847	165	69326	ABA7137PNCARD	135
67154	ABA52007212	133	67913	ABA6731M	114	69376	ABA6849BI	165	69289	ABA7137SNCARD	135
67155	ABA520072121	133	67904	ABA6733	114	69661	ABA6849ORB	165	67491	ABA7137VBCARD	135
67159	ABA52047212	133	67914	ABA6733M	114	69374	ABA6849PN	165	69747	ABA7130RB	151
67271	ABA520472121	133	67915	ABA6734	114	68143	ABA6849SC	165	69749	ABA713SN	151
67160	ABA52087212	133	67905	ABA6735	114	69662	ABA6849SN	165	69752	ABA713VB	151
67161	ABA520872121	133	67920	ABA6737	114	69375	ABA6849SP	165	69726	ABA720	151
67167	ABA52107212	133	67922	ABA6739	114	69664	ABA6849VB	165	69554	ABA7200	137
67388	ABA521072121	133	67925	ABA6741	114	69665	ABA6849W	165	69555	ABA7200CARD	137
60309	ABA553	115	67926	ABA6743	114	69513	ABA6850	166	63346	ABA7203CARD	137
60300	ABA554	115	67927	ABA6744	114	69514	ABA6854	166	69773	ABA7205ORBCARD	137
60210	ABA564	115	67928	ABA6745	114	69668	ABA6855	166	69560	ABA7205SNCARD	137
60213	ABA573	116	67929	ABA6748	114	69516	ABA6859	166	69776	ABA7205VBCARD	137
60214	ABA574	116	67930	ABA6749	114	69840	ABA6861	135	63347	ABA7207CARD	136
60215	ABA582	116	61850	ABA6740RB	150	69974	ABA6892	164	67301	ABA7208ORBCARD	136
60216	ABA583	116	61848	ABA674SN	150	68075	ABA6893	164	67302	ABA7208PBCARD	136
60218	ABA586	116	61849	ABA674VB	150	69971	ABA6895	164	67303	ABA7208PNCARD	136
60219	ABA602	116	69771	ABA6773	114	69965	ABA6896	164	69837	ABA7208SNCARD	136
60220	ABA603	116	69772	ABA6775	114	69520	ABA6899	163	69834	ABA7208VBCARD	136
60222	ABA604	116	69638	ABA6805	163	69767	ABA6901	163	69842	ABA720NT	151
60224	ABA632	115	69639	ABA6810	163	69768	ABA6902	163	69799	ABA72121CARD	136
67240	ABA6320	135	69640	ABA6812	163	69769	ABA6903	163	63349	ABA7212CARD	136
60225	ABA633	115	69512	ABA6820	163	69232	ABA6910	134	69801	ABA72131CARD	136
60226	ABA634	115	69808	ABA682088	163	68683	ABA6916	160	69804	ABA72132ORBCARD	136
67037	ABA6410	134	69642	ABA6822	163	68684	ABA6916M	160	69805	ABA72132PNCARD	136
67177	ABA6415	134	69331	ABA6824BI	163	68685	ABA6918	160	69802	ABA72132SNCARD	136
67038	ABA6420	134	69644	ABA6824ORB	163	68038	ABA6918M	160	69803	ABA72132VBCARD	136
67039	ABA6425	134	69334	ABA6824ORB88	163	69510	ABA6919	160	63350	ABA7213CARD	136
67178	ABA6430	134	69328	ABA6824PN	163	69723	ABA700	151	67309	ABA7213ORBCARD	136
67179	ABA6435	134	69329	ABA6824SC	163	69521	ABA7005	131	67310	ABA7213PNCARD	136
67040	ABA6500	130	69645	ABA6824SN	163	68068	ABA7006	131	67312	ABA7213SNCARD	136
67043	ABA6500PP	130	69643	ABA6824SN88	163	69725	ABA700NT	151	67315	ABA7213VBCARD	136
67041	ABA6508	130	68083	ABA6824SP	163	69728	ABA703ORB	151	69202	ABA7215	131
61022	ABA652	150	69646	ABA6824VB	163	69733	ABA703SN	151	69203	ABA7218	131
67042	ABA6520	130	69333	ABA6824VB88	163	69736	ABA703VB	151	69204	ABA7226	131
61327	ABA652NT	150	69647	ABA6824W	163	69742	ABA710	151	67203	ABA7230	135
61312	ABA656ORB	150	67218	ABA6828	130	69774	ABA7101CARD	137	67204	ABA7231	135
61316	ABA656SN	150	69648	ABA6830	163	69530	ABA7101ORBCARD	137	68261	ABA7232	135
61318	ABA656VB	150	69336	ABA6832	163	68691	ABA7101PBCARD	137	67205	ABA7233	135
67190	ABA6600	134	69649	ABA6834ORB	163	64991	ABA7101SNCARD	137	68239	ABA7234	135
67192	ABA6605	134	69338	ABA6834PN	163	69536	ABA7101VBCARD	137	69729	ABA723ORB	151
67193	ABA6610	134	69339	ABA6834SC	163	69523	ABA7102	136	69734	ABA723SN	151
67044	ABA6615	134	68052	ABA6834SN	163	69835	ABA7102CARD	136	61867	ABA723VB	151
61321	ABA662	150	69340	ABA6834SP	163	69541	ABA7102ORBCARD	136	67206	ABA7240	135
67196	ABA6620	134	69337	ABA6834VB	163	69542	ABA7102PBCARD	136	67207	ABA7242	135
67197	ABA6622	134	69342	ABA6834W	163	69543	ABA7102SNCARD	136	69743	ABA730	151
61677	ABA662RI	150	69344	ABA6834WI	163	69544	ABA7102VBCARD	136	61875	ABA730NT	151
61322	ABA667ORB	150	63001	ABA6835	165	69524	ABA7103	137	61652	ABA733ORB	151
61324	ABA667SN	150	69651	ABA6839	165	69770	ABA7103CARD	137	69750	ABA733SN	151
61326	ABA667VB	150	69828	ABA6841BI	165	61864	ABA710NT	151	61878	ABA733VB	151
61845	ABA670	150	69652	ABA6841ORB	165	69547	ABA7130CARD	136	69727	ABA740	151
61678	ABA670RI	150	68215	ABA6841PN	165	69548	ABA7131CARD	136	61885	ABA740NT	151
67906	ABA6715	114	68246	ABA6841SC	165	69280	ABA7133ORBCARD	136	61888	ABA743ORB	151
67908	ABA6718	114	69653	ABA6841SN	165	69775	ABA7133SNCARD	136	69961	ABA743SN	151
67909	ABA6724	114	69371	ABA6841SP	165	69836	ABA7133VBCARD	136	69737	ABA743VB	151
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63299	ABA773BI	150	65813	ABA82705	123	65548	ABA84335	125	69306	ABA8806	118
63302	ABA773ORB	150	65517	ABA8275	123	65558	ABA8435	125	69308	ABA8807	118
63305	ABA773PN	150	65333	ABA82755	123	65560	ABA8436	125	69311	ABA8808	118
63402	ABA773SC	150	65334	ABA8280	124	65550	ABA84365	125	69223	ABA8810	129
63306	ABA773SN	150	65522	ABA8283	124	65562	ABA8438	125	69224	ABA8811	129
63403	ABA773SP	150	65523	ABA8286	124	65576	ABA8460	126	65802	ABA8812	129
63309	ABA773VB	150	65808	ABA8290	124	65349	ABA84605	126	69228	ABA8825	118
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62412	ABA801	144	65819	ABA8296T	124	65572	ABA84635	126	60093	ABA8827ORB	135
62414	ABA805	144	65535	ABA8300	124	65579	ABA8466	126	65364	ABA8870	129
62416	ABA809	144	65536	ABA8304	124	65574	ABA84665	126	65303	ABA8880	129
65491	ABA8100	121	65537	ABA8308	124	65350	ABA8470	126	65365	ABA8884	129
65309	ABA8105	121	65338	ABA8315	124	65571	ABA84705	126	65487	ABA8950	121
65498	ABA8110	122	67257	ABA8319	124	65578	ABA8473	126	65488	ABA8951	121
65499	ABA8115	122	65538	ABA8323	124	65573	ABA84735	126	65501	ABA8967	122
65312	ABA8120	123	65563	ABA8330	125	65580	ABA8476	126	65502	ABA8968	122
65313	ABA8125	123	65564	ABA8333	125	65575	ABA84765	126	61026	ABA906	142
62417	ABA813	144	65565	ABA8336	125	65810	ABA8510	127	61281	ABA906CT	142
65492	ABA8130	121	65342	ABA8340	125	65358	ABA8513	127	61287	ABA910ORB	142
65494	ABA8133	121	65521	ABA8343	125	65362	ABA8545	79	61288	ABA910ORBCT	142
65493	ABA8135	121	65566	ABA8346	125	65363	ABA8546	79	61029	ABA910SN	142
65495	ABA8138	121	65524	ABA8350	124	68004	ABA8548	79	61289	ABA910SNCT	142
65316	ABA8150	123	65525	ABA8352	124	68005	ABA8549	79	61292	ABA910VB	142
65515	ABA8155	123	65527	ABA8353	124	60527	ABA8575	129	61293	ABA910VBCT	142
65509	ABA8160	122	65529	ABA8355	124	60533	ABA8576	129	61030	ABA911	142
65507	ABA81605	122	65531	ABA8356	124	65801	ABA8579	129	61295	ABA911CT	142
65511	ABA8162	122	65816	ABA8360	124	60525	ABA8580	129	61297	ABA915ORB	142
65003	ABA8165	122	65526	ABA8362	124	60528	ABA8583	129	61784	ABA915ORBCT	142
65508	ABA81655	122	65528	ABA8363	124	60535	ABA8584	129	61268	ABA915SN	142
65445	ABA8167	122	65530	ABA8365	124	69245	ABA8587	129	61783	ABA915SNCT	142
65443	ABA8170	122	65532	ABA8366	124	69246	ABA8588	129	61301	ABA915VB	142
65317	ABA8175	122	65344	ABA8370	124	69705	ABA8589	129	61302	ABA915VBCT	142
65300	ABA8176	122	65540	ABA8373	124	69244	ABA8590	129	61303	ABA926	145
65318	ABA8180	123	65542	ABA8376	124	60949	ABA8591	129	65446	ABA9300	122
65518	ABA81805	123	65539	ABA8380	124	60954	ABA8592	129	65449	ABA9301	119
65520	ABA8185	123	65541	ABA8383	124	60955	ABA8593	129	65463	ABA9306	120
65519	ABA81855	123	65543	ABA8386	124	69207	ABA8595	118	65464	ABA9307	120
65319	ABA8190	121	65533	ABA8389	124	69208	ABA8600	118	61306	ABA931	145
65804	ABA8195	121	65534	ABA8390	124	69209	ABA8610	118	65450	ABA93123	119
65496	ABA8200	122	65434	ABA8400	125	60227	ABA8612	116	65451	ABA93133	119
65805	ABA8205	122	65567	ABA8403	125	65426	ABA8614	116	65380	ABA93253	119
65513	ABA8210	123	65569	ABA8406	125	69211	ABA8618	118	65456	ABA93263	119
65320	ABA8215T	123	65429	ABA8410	125	68102	ABA8620	118	65470	ABA93383	120
65321	ABA8220	121	65568	ABA8413	125	69212	ABA8630	118	65471	ABA93393	120
65490	ABA8223	121	65570	ABA8416	125	69213	ABA8634	118	65465	ABA93513	120
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65427	ABA8228T	121	65545	ABA84205	125	69215	ABA8640	118	65479	ABA93693	121
65497	ABA8230	122	65553	ABA8422	125	69216	ABA8650	118	65480	ABA93703	121
65323	ABA8235	122	65555	ABA8423	125	69324	ABA8660	118	65385	ABA9378	119
65514	ABA8240	123	65547	ABA84235	125	69302	ABA8711	118	65453	ABA93781	119
65324	ABA8245	123	65557	ABA8425	125	68094	ABA8712	118	65452	ABA9379	119
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65458	ABA9386	119	62044	ABA956RICT	144	69575	ABAKCOB3	169	86221	BWV4PAS	128
65459	ABA93861	119	62054	ABA956RIPZCT	144	87030	AHP18203	89	86224	BWV4PCAP	128
65387	ABA9392	120	62190	ABA960ORB	143	87000	AHP2022	89	86238	BWV6FP	128
65473	ABA93921	120	62191	ABA960ORBCT	143	87002	AHP2022C	89	86235	BWV6P	128
65472	ABA9393	120	62039	ABA960SN	143	87001	AHP2022NH	89	83010	C601	84
65474	ABA93931	120	62040	ABA960SNCT	143	87003	AHP2224	89	83003	C612	84
65388	ABA9399	120	62197	ABA960VB	143	87005	AHP2224C	89	83012	C614	84
65467	ABA93993	120	62198	ABA960VBCT	153	87004	AHP2224NH	89	83013	C615	84
65468	ABA9400	120	60104	ABA965031	149	87006	AHP2426	89	83014	C620	84
65389	ABA94003	120	60169	ABA965032	149	87008	AHP2426C	89	83008	C634	84
65483	ABA9408	121	60170	ABA965033	149	87007	AHP2426NH	89	81940	CB31	96
65481	ABA94083	121	60171	ABA96504ORB1	149	87010	AHP2628	89	81941	CB34	96
65390	ABA9409	121	60107	ABA96504ORB2	149	87012	AHP2628C	89	83015	CC61234	84
65482	ABA94093	121	60108	ABA96504ORB3	149	87011	AHP2628NH	89	86625	CFTP	111
65400	ABA9432	119	60110	ABA96504SN1	149	87031	AHP2830	89	82864	CH1234	82
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65402	ABA9450	119	60111	ABA96504SN3	149	87013	AHP3032	89	82957	CI31234	83
67270	ABA94504	119	60114	ABA96504VB1	149	87014	AHP3032C	89	82972	CI41234	84
65403	ABA9451	119	60177	ABA96504VB2	149	87015	AHP3032NH	89	82979	CI1341234	84
65455	ABA94514	119	60115	ABA96504VB3	149	97091	B	55	97038	CN200	55
65461	ABA9462	119	60185	ABA965071	149	82026	B150	40	86315	C0302C	108
65460	ABA94624	119	60186	ABA965072	149	82032	B200	40	86535	C0402	108
65404	ABA9463	119	60187	ABA965073	149	81975	B200C	40	86320	C0402C	108
67263	ABA94634	119	60239	ABA96508ORB1	149	81974	B200X	40	86520	CS202	108
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65475	ABA94744	120	60241	ABA96508ORB3	152	82037	BBE200TS	40	12739	CST-36	32
65478	ABA9475	120	60188	ABA96508SN1	149	82038	BBED200TS	40	82426	DB-350	55
65476	ABA94754	120	60189	ABA96508SN2	149	82335	BD2	128	82428	DB-3D	55
65405	ABA9488	120	60135	ABA96508SN3	149	97092	BE	55	82425	DB-425	55
65406	ABA94884	120	60190	ABA96508VB1	149	82033	BE200	40	82427	DB-4D	55
65407	ABA9489	120	60136	ABA96508VB2	149	97093	BED	55	82643	DBSS1	54
65469	ABA94894	120	60191	ABA96508VB3	149	82028	BED150	40	82644	DBSS1D	54
60315	ABA9508	121	69242	ABA9660	121	82034	BED200	40	82645	DBSS2	54
65484	ABA95084	121	65489	ABA9661	121	96998	BEDTRC	55	82646	DBSS2D	54
65486	ABA9509	121	65503	ABA9676	122	88158	BIM875AB	46	82472	DLWB1	45
65485	ABA95094	121	65504	ABA9677	122	88510	BIM875QTSAB	46	86335	EB152E	108
62021	ABA951	143	62202	ABA971	146	88512	BIM876QTCAB	46	86340	EB220E	108
62281	ABA951CM	143	62203	ABA971CT	146	88514	BIM877QTPAB	46	86345	EB320E	108
62022	ABA951CT	143	62295	ABA971PZ	146	82320	BTP612	127	86350	EB350E	108
62023	ABA951PZ	143	62296	ABA971PZCT	146	82325	BTP934	127	86355	EB420E	108
62024	ABA951PZCT	143	62350	ABA971RIPZCT	147	82330	BTP940	127	81746	EFB1	97
62041	ABA951RICT	144	62043	ABA971RIT	147	96997	BTRC	55	82191	EX100-EZ	180
62042	ABA951RIPZCT	144	62205	ABA975ORB	146	86215	BWV3A	128	82189	EX99-EZ	180
62050	ABA951TK	144	62207	ABA975SN	146	86213	BWV3ACAP	128	83805	F201	83
62051	ABA951TKPZ	144	62299	ABA975VB	146	86216	BWV3AS	128	83799	F201LF	83
65412	ABA95254	119	62018	ABA976	146	86218	BWV3ASLID	128	83795	F212	83
65415	ABA95334	120	62212	ABA976CT	146	86217	BWV3FA	128	83797	F212LF	83
62026	ABA955ORB	143	62213	ABA976PZ	146	86212	BWV3FP	128	83800	F234	83
62164	ABA955ORBCT	143	62305	ABA976PZCT	146	86210	BWV3P	128	83798	F234LF	83
62027	ABA955SN	143	62972	ABA976RICT	147	86211	BWV3PAS	128	81800	FB1	94
62169	ABA955SNCT	143	62034	ABA976RIZT	147	86214	BWV3PCAP	128	82030	FB150	41
62029	ABA955VB	143	62055	ABA976TK	147	86225	BWV4A	128	81805	FB2	94
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62032	ABA956CM	143	62219	ABA980SN	146	86230	BWV4ASLID	128	81705	FB31	95
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82365	FR12CS	49	82591	FRM12SSHA	48	86997	HP2830	88	89150	MSI3	85
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82383	FR12DS	50	82589	FRM12WHA	47	86998	HP3032C	88	89152	MSI5	85
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82375	FR12PHA	49	82399	FRMIB12ABDS	51	82960	I301	83	89164	MSP2	85
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82420	FRIB12ABCHACP	52	81931	HB118	94	87944	MDWB3AB	54	83599	MWN11	109
82389	FRIB12ABDS	53	81751	HB1LB	94	87964	MDWB4AB	54	83592	MWN2	109
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82421	FRIB12ABPH	52	81756	HB2LB	94	88112	MGB1	54	83596	MWN6	109
82422	FRIB12ABPHCP	52	81760	HB3	94	82830	MH321	87	83598	MWN8	109
82408	FRIB12ABS	52	81700	HB31	95	82831	MH322	86	83595	MWN9	109
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82417	FRIB12ABSHA	52	81702	HB34	95	82833	MH324	86	82142	NWBED200-3	40
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