

PG-5A

SMITH YELLOW PAGES • PG-5A PRODUCT GUIDE

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TYPICAL PAGE

To help you use this price guide as an effective working aid, it has been organized to make specifying and ordering easy. Note the following highlights and features.



ROOF DRAINS

FIG. 1010 16" DIAMETER - LOW PROFILE DOME



CUSTOMER DRIVEN SINCE 1926

A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	1'DUCO CI POLY DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	11"	102.5	1,113.00	1,495.00	28
05, 06"	15 1/4"	11"	102.5	1,594.00	1,976.00	28
08"	16"	12 1/2"	102.5	2,072.00	2,454.00	30

A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	***DUCO CI CI DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
08"	20"	16"	228	2,936.00	3,849.00	34
10"	16"	12 1/2"	122.5	3,235.00	4,072.00	36
10"	20"	16"	228	3,352.00	4,265.00	36
12"	20"	16"	228	3,465.00	4,378.00	40

**Add \$557.00 to Galvanize the Cast Iron Dome.

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Dome.

FIG. DX1010 WIDE FLANGE BODY - SECURED DOME

A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	1'DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	20"	102.5	3,158.00	50
05, 06"	20"	102.5	3,625.00	50

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08, C10	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08, T10	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08, Y10	6"	N/C
	Y12	7 3/4"	N/C

OPTIONS:		ADD
-B	Bucket	396.00
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	376.00
-C	Cast Iron Underdeck Clamp (20" Flange Bodies)	747.00
-C2	Secondary Flashing Clamp	289.00
-CID	CI Dome (when not reg. furn.)	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CL	Angular Underdeck Clamp	759.00
-DE	Deck Elevator Extension	1,607.00
-DEP	Deck Extension Plate	1,075.00
-DID	Drain Installation Device 2-6"	556.00
-E	Extension up to 4"	1,030.00
	per inch over 4"	245.00
-G	Galvanized CI	1,491.00
-GRT	CI Grate in lieu of Dome	1,075.00
-PDSSM	SS Mesh on Poly Dome	779.00
-R	Sump Receiver (15 & 16" Flange Bodies)	418.00
-R	Sump Receiver (20" Flange Bodies)	837.00
-RBD	Rough Brz Dome	1,289.00
-RDP	Roof Deck Plate (15 & 16" Flange)	674.00
-RDP	Roof Deck Plate (20" Flange)	1,206.00
-SSM	SS Mesh on Metal Dome (Specify dome)	779.00
-U	Vandal Proof Dome	191.00

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	376.00
-CID	CI Dome (when not reg. furn.)	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CL	Angular Underdeck Clamp	759.00
-G	Galvanized CI	1,494.00
-PDSSM	SS Mesh on Poly Dome	779.00
-RBD	Rough Brz Dome	1,289.00
-SH	Securing Holes	189.00
-SSM	SS Mesh on Metal Dome (Specify dome)	779.00
-U	Vandal Proof Dome	191.00

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*REGULARLY FURNISHED

OPTIONS:
Availability of alternative finishes and metals also indicates availability of parts (optional additions or substitutes)

Suffix Letter

Outlet size and type (where applicable) listed under products.

Page Number

FIG. DX1010 WIDE FLANGE BODY - SECURED DOME

A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	1'DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	20"	102.5	3,158.00	50
05, 06"	20"	102.5	3,625.00	50

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	376.00
-CID	CI Dome (when not reg. furn.)	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CL	Angular Underdeck Clamp	759.00
-G	Galvanized CI	1,944.00
-PDSSM	SS Mesh on Poly Dome	779.00
-RBD	Rough Brz Dome	1,289.00
-SH	Securing Holes	189.00
-SSM	SS Mesh on Metal Dome (Specify dome)	779.00
-U	Vandal Proof Dome	191.00

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*REGULARLY FURNISHED

MATERIALS & FINISHES

DUCO COATED CAST IRON -CI Smith Cast Iron possesses exceptional strength and durability, and is regularly furnished with a high quality enamel paint coating which prevents rusting. Duco Coated Cast Iron Drains are normally used in outside areas, factory spaces and similar applications where the discoloration caused by surface oxidation is not objectionable. Cast Iron is the traditional plumbing material furnished in a good grade of gray iron. This material has excellent resistance to corrosion in the normal drainage waste applications.

DUCTILE IRON -M Smith Ductile Iron is a cast iron possessing ductile and shock resisting qualities in addition to greater strength when compared to gray iron. Special alloying elements produce these qualities. Ductile Iron is recommended for grates and other components subject to severe load, service and shock conditions.

GALVANIZED CAST IRON -G Smith Galvanizing is a process of applying a heavy zinc coating to a thoroughly cleaned iron casting. This coating contains 95% zinc in a cold applied process. Smith galvanizing can be supplied on all cast iron parts. It increases longevity and is recommended wherever the discoloration caused by oxidation of cast iron is objectionable. Galvanizing is recommended in coastal and industrial areas where corrosive atmosphere may be encountered. Smith galvanizing meets and exceeds Federal Specifications MIL-P-21035, MIL-P-26915A, MIL-P-26433, and MIL-C-10578 (Type II). It also meets ASTM DES A239-41 and is listed by Underwriters Laboratories, Inc. (U.L.)

ACID RESISTING PORCELAIN ENAMEL -A.R.E. Smith Acid Resisting Porcelain Enamel provides a superior "Sanitary" finish for cast iron floor drains and other products where ultimate sanitation and resistance to corrosion are required. Forming the basis of the A.R.E. SANI-CEPTOR line, the enamel produces a white glasslike sanitary surface which not only makes cleaning easy, it also gives a pleasing appearance.

Smith Quality Enameling requires a special "Enameling Grade" cast iron. Castings are also specially designed with large radius corners, and elimination of projections, recess and crevices. On special order, many Smith cast iron products can be furnished with this coating.

ACID RESISTANT COATING -A.R.C. Smith Acid Resistant Coating is a synthetic whose cure is achieved through a chemical reaction. Once applied, it becomes part of the substrate and is chemically inert. It also has excellent resistance to most chemicals encountered in D.W.V. systems.

NICKEL BRONZE -NB Smith Nickel Bronze is ideal for all installations which are subject to the abrasive polishing action of foot and other traffic, and is recommended over chrome plated for such applications. It is not a coating, but a solid cast metal of added strength which is regularly furnished with a permanent silvery satin lustre, which blends with most decor. The buffing action of foot traffic actually helps maintain the lustre. Nickel Bronze is recommended where sparking hazards exist.

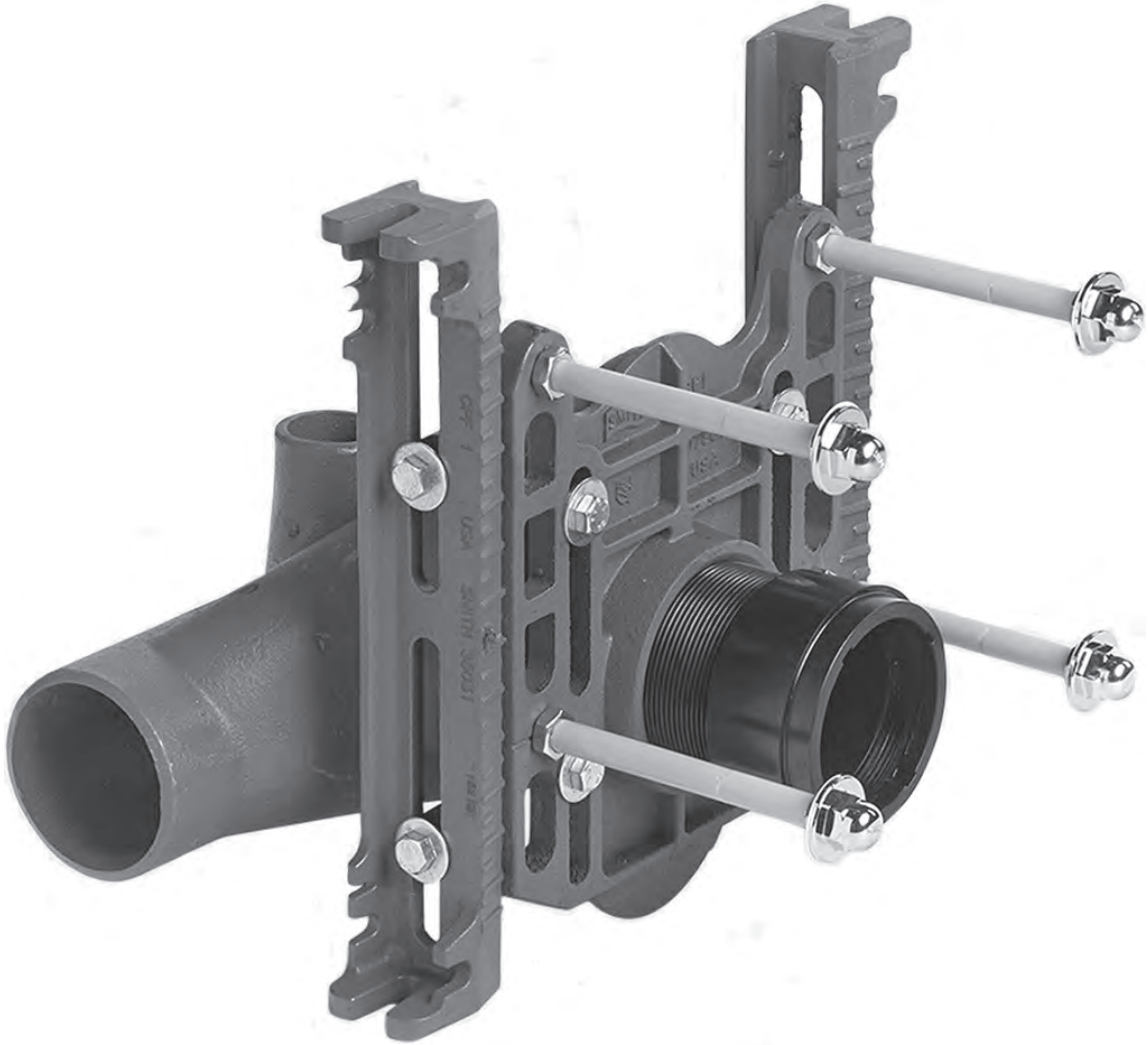
CHROME PLATED -CP Smith Chromium Plated Bronze is ideal for installations in walls, gutters, and other areas where a bright decorative finish is desired, not subject to the abrasive action of foot and other traffic. It is not recommended for installations where abrasion will eventually wear through and cause peeling.

POLISHED BRONZE -PB Smith Polished Bronze is regularly furnished in a permanent bronze satin lustre. It is recommended for finished areas where the bronze color is desired to match the decor. In addition to its lasting qualities, the abrasive action of foot and other traffic helps maintain the lustre, and it is non-sparking.

SILICON BRONZE -SB Smith Silicon Bronze is a bronze which is superior to regular bronze for many special applications. "Everdur" (Anaconda American Brass Company), is the trade name of a common high silicon bronze alloy, possessing excellent corrosion resistant properties combined with high strength, ductility and shock resistance. Available on special order.

STAINLESS STEEL -SS Smith Stainless Steel castings are normally produced in Type CF8 (304) which is an 18-8 Austenitic Stainless possessing excellent corrosion resistant qualities. For some applications where conditions demand, Type CF8M (316) stainless steel can be supplied. Items formed from stainless steel sheet and other stainless steel products are regularly furnished in Type 304 with 316 as an optional material.

ALUMINUM -A Smith Aluminum is supplied in casting grade 319, an alloy containing both silicon and copper. It is a solid cast metal in a pleasing light gray color. The light weight, coupled with its exceptional strength and corrosion resistance, make it ideal for drain components such as sediment buckets and strainers. When used with acid-resisting porcelain enamel coated drains, the possibility of chipping is minimized.



ORDERING GUIDELINES



0100-0600 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

Figure No. _____ **0211LY**
 Type of Fitting (Left Hand) _____
 Type of Connection (NO-HUB) _____

Figure No. _____ **0544DY**
 Type of Fitting (Double) _____
 Type of Connection (NO-HUB) _____

WATER CLOSET SUPPORTS

ADJUSTABLE WATER CLOSET SUPPORTS WITH FITTINGS



Single - Vertical
with 2 Side Hub Inlets



Single - Vertical
Long Barrel



Double - Vertical
with 2 Side Hub Inlets



Single - Vertical
Long Barrel with 2 Side Hub Inlets



Double - Horizontal



Single - Horizontal



Single - Vertical



"Linebacker"

Fig. 0115-0250

HORIZONTAL - VERTICAL FITTINGS

WATER CLOSET SUPPORTS

COMPACT WATER CLOSET SUPPORTS WITH VERTICAL FITTINGS



Fig. 0400

OFFSET - CENTER LINE FITTINGS

LIGHT COMMERCIAL AND RESIDENTIAL WATER CLOSET SUPPORTS



STUD-MOUNT - FLOOR-MOUNT - ADAPTOR TYPE

FACE PLATE TYPE



Fig. 0600

LABOR SAVER® URINAL SUPPORTS



Fig. 0609-0617

URINAL SUPPORTS

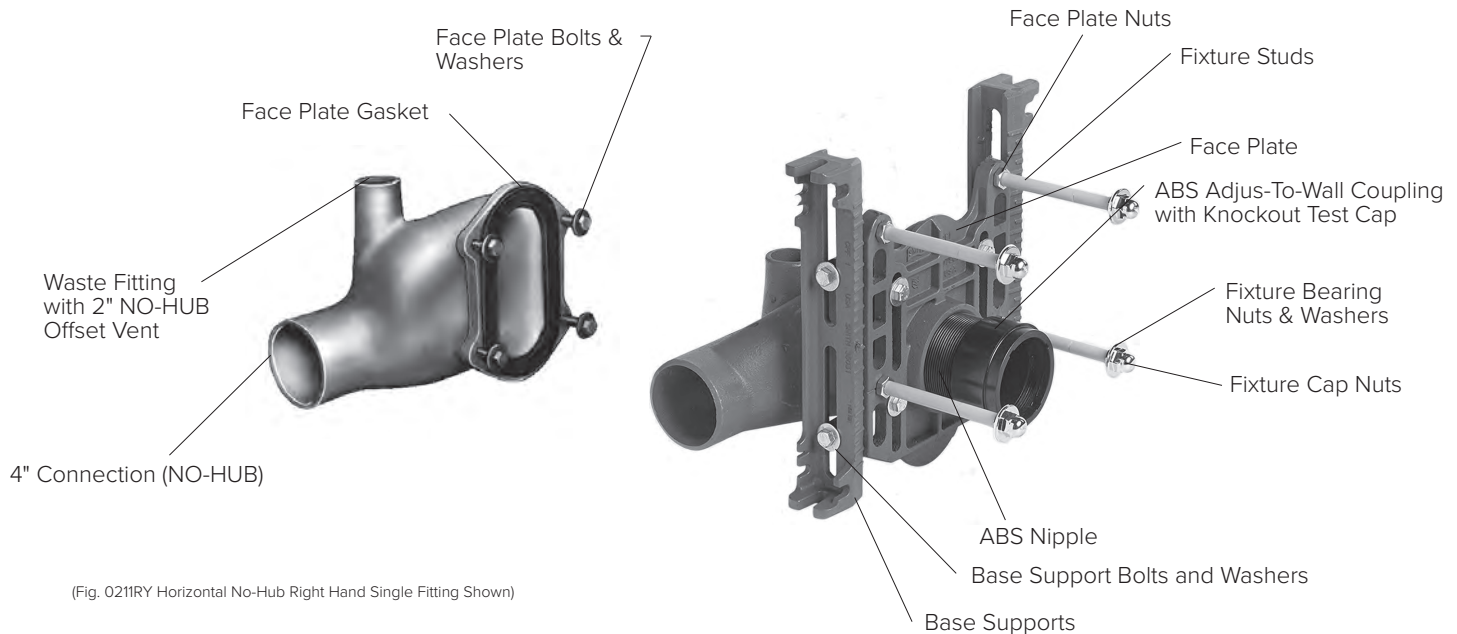


Fig. 0629-0637

TECHNICAL DATA

TYPICAL SMITH ADJUSTABLE FIXTURE SUPPORT WITH WASTE FITTING

LINEBACKER®



(Fig. 0211RY Horizontal No-Hub Right Hand Single Fitting Shown)

MATERIALS

PART	REGULARLY FURNISHED	OPTIONAL MATERIALS
Waste Fitting	Duco Cast Iron	Galvanized Cast Iron
Face Plate.....	Duco Cast Iron.....	Galvanized Cast Iron
Base Supports.....	Duco Cast Iron.....	Galvanized Cast Iron
Nipple.....	(ABS).....	Cast Iron
Coupling.....	(ABS).....	Cast Iron
Face Plate Gasket.....	Neoprene	
Bolts, Nuts & Washers.....	Zinc Plated Steel	
Fixture Studs.....	Zinc Plated Steel	
Fixture Washers.....	White Fibre	
Fixture Cap Nuts.....	Chrome Plated	
#90 Smith Seal.....	Non-Hardening Gasket Compound	
Fixture Stud Protector.....	Sleeve	
Coupling Protector.....	Polystyrene Sleeve	
Outlet Gasket.....	Neoprene.....	Impregnated Felt

NOTE: The water closet outlet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ASME Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to non-conformance of said fixture to ASME A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith Mfg. Co. assumes no liability for connections to fixtures which do not conform to these standards.

VARIATIONS

Style of fitting and type of connection are described with specific figure numbers on the following pages. Listed below are variations to the specific figure numbers available and page number reference for further explanation.

FITTINGS

Tapped Auxiliary Inlets (Suffix N)	Pg. 10
Vent Locations - Alternate	Pg. 10
Rear Anchor Foot Assembly (-M51)	Pg. 12

ADJUS-TO-WALL OUTLET CONNECTION

Nipple Lengths	Pg. 10
Minimum Dimension - 1 1/2"	Pg. 11

FACE PLATE

0100 Series HI-SET	Pg. 13
0100 Wide Pipe Chase (Suffix -M40)	Pg. 12
0200 Series 4" and 5" Rough	Pg. 9

OPTIONAL CLOSET OUTLET CONNECTIONS

Floor Mounted	
Back Outlet Type No. 2 & 2M	Pg. 11
M73	Pg. 11
M74	Pg. 11
M54	Pg. 12

BASE SUPPORT

High Base Support for Wheel Chair Patients (-M50)	Pg. 12, Pg. 13
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MISCELLANEOUS ACCESSORIES

Supply Guide (Suffix -M12)	Pg. 12
Tiling Frame (Suffix -M13)	Pg. 12
Coupling Protector	Pg. 10
Water Closet Setting Gauge (M17)	Pg. 8

TECHNICAL DATA

Smith engineers have developed an unusually complete line of fixture supports for mounting all types of "off the floor" fixtures. Supports have been designed for water closets, urinals, lavatories, sinks, drinking fountains and many special purpose hospital, institutional and industrial plumbing fixtures.

DEFINITION

Fixtures which are wall mounted and have no external contact with the finished floor are classified as "off the floor plumbing fixtures." Fixtures so mounted are supported on concealed cast iron or steel supports (carriers). These supports are completely concealed in the wall, and support the load of the fixture by means of a suitable face plate and base support which is firmly anchored to the floor. Thus the load of the fixture is effectively taken off the wall and transmitted to the floor.

WATER CLOSET SUPPORT SYSTEMS

By incorporating a waste fitting which functions in conjunction with the support section, an entire system of "Combined Fixture Supports and Waste Fittings" has been developed. Thus, when mounting "off the floor" water closets, a complete unit is available which supports the fixture and includes a fitting which will tie into the drainage piping system. Fittings are available in vertical and horizontal patterns. Used in combinations, these fittings can satisfy waste and vent requirements of most systems.

Smith engineers have worked closely with plumbing designers, contractors and code officials to develop a system which meets their rigid demands and requirements. Particular attention was given in design so that--

- the engineer can select supports with fittings to meet all problems created by architectural, structural, code or esthetic requirements.
- the plumbing contractor can easily and economically install a rigid and code approved support with fitting, which will function for the lifetime of the building.
- the code official is assured that fittings used with supports are designed to meet code requirements relative to the proper sizing for drainage piping and venting.

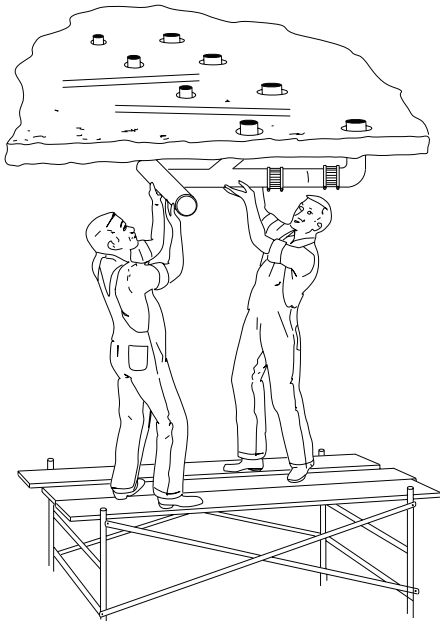


Fig. 1
INSTALLING PIPING FOR FLOOR MOUNTED FIXTURES

ADVANTAGES OF "OFF THE FLOOR" WATER CLOSETS OVER FLOOR MOUNTED

Design--The complete line of fittings available offers great latitude to architects and engineers when laying out the spacing, piping diagrams and wall space requirements for plumbing fixtures. The Smith system offers the engineer an option of designing a plumbing drainage system which is compact, yet extremely functional. The architect is assured that the system uses a minimum of floor space, with all the necessary components included.

Installation--Off the floor water closet systems can be installed more economically than conventional floor mounted systems. This comparison is particularly obvious in multi-story buildings which have batteries of water closets on each floor. The contractor is assured a simple, fast and efficient installation. Off the floor systems reduce costs for the following reasons:

1. Less sleeving. In most cases only one sleeve is required to take care of the vertical inlet fitting at the start of the horizontal run.
2. Since all the roughing is done on the floor and not in the ceiling below, no scaffolding, ladders or similar supports are required (Fig. 1).
3. The installer works on the floor (Fig. 2) and not in the ceiling below; thus, time is saved since working conditions are more favorable.
4. Because all the rough-in piping is on the floor above, "dropped ceilings" are not required; thus, ceiling space is saved. This enables building ceiling height to be lower, effectively saving overall construction costs.

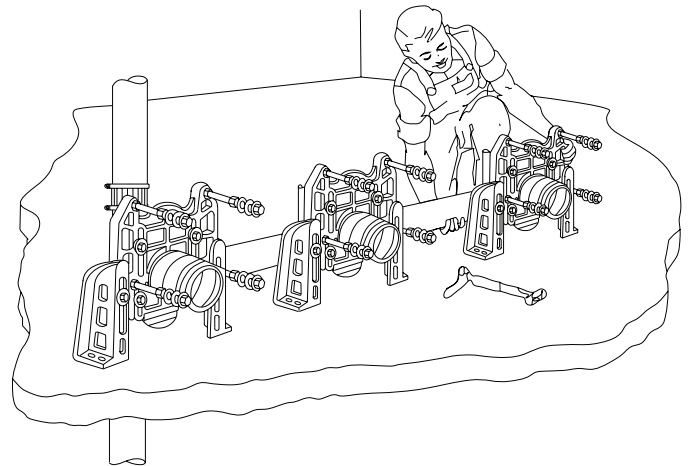
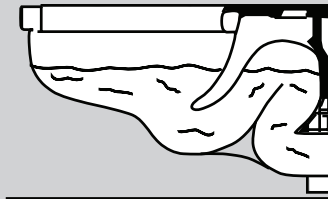
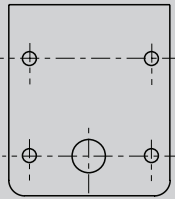


Fig. 2
INSTALLING PIPING FOR "OFF THE FLOOR" FIXTURES

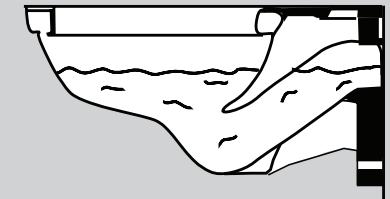
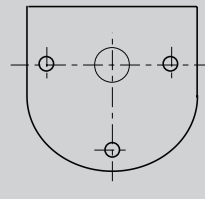
Sanitation--After the building is turned over to the owners, cost for cleaning in the area under the "off the floor" water closets is considerably less than in similar areas which have floor mounted fixtures. A mop is easily passed under off the floor fixtures thoroughly cleaning the floor beneath as compared to the very difficult task of cleaning around and in back of floor mounted water closets. Cleaning costs are reduced, and the toilet room is maintained in a more sanitary condition.

TYPES OF WATER CLOSETS



SIPHON JET

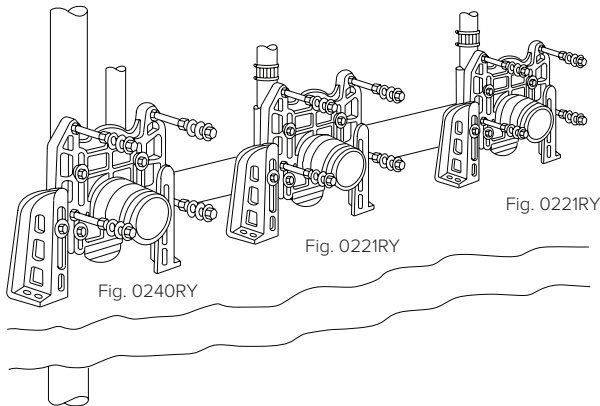
The siphon jet bowl is the most common because its action is relatively silent and economical in water usage. It operates by a jet of water directed through the trapway which quickly fills and starts the siphonic action immediately upon flushing. Its quiet action and large water surface, among other features, make it the most desirable bowl type. It is readily distinguished by the four bolt holes which receive the fixture support studs.



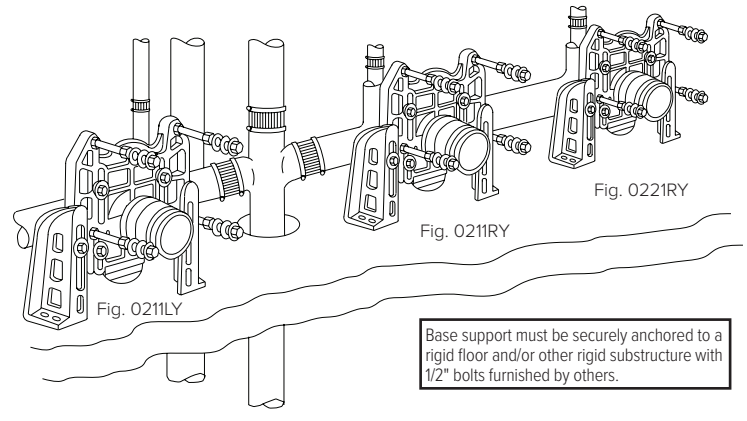
BLOWOUT

The blowout bowl is particularly adapted for public use as in airports, stadiums or plant washrooms. Its action is a driving one of high velocity. It is economical in water use and has a large water area and an unrestricted trapway. It is also more noisy than the siphon jet bowl because of its direct jet action. The blowout bowl is secured to the supports by three studs.

TYPICAL BATTERY INSTALLATIONS



Battery of horizontal fittings with adjustable closet supports used in conjunction with a vertical fitting.



Battery of horizontal fittings with adjustable closet supports connected to a stack fitting.

The architect's construction design and physical layout of the toilet room dictates the type of fittings that can be selected by the engineer for battery installations. The engineer's drainage and vent system design must be in accordance with the local plumbing code in force.

SUFFIX -M17 WATER CLOSET SETTING GAUGE



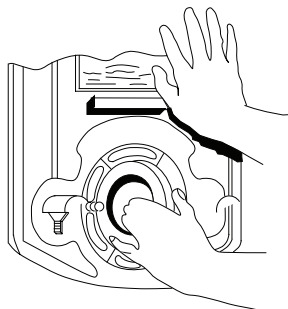
Smith's lightweight cast aluminum water closet setting gauge is available for siphon jet bowls. The gauge has the same dimensions as the rear of the "off the floor" siphon jet bowl and is designed to eliminate costly trial and error test mounting and reduce the number of bowl "lifts" per day. The gauge locates the correct position of bearing washers and nuts, locates the correct protrusion of outlet coupling and support studs and checks the plumb of the wall. When the bowl is lifted, it's ready to be installed.

Features of the Closet Setting Gauge include:

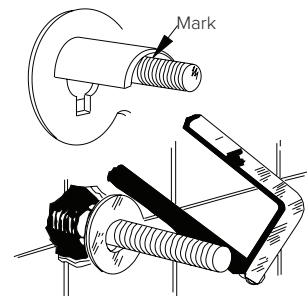
1. Leveling pads to check horizontal alignment.
2. Four openings to check vertical and horizontal stud alignment.
3. Four extensions to determine stud length.
4. Vertical plumb line.
5. Four recesses in back of gauge for positioning of bearing washers.
6. Opening with coupling setting locations for outlet connection.



Slip gauge over studs and hold tight against wall. Check for plumb and level. Adjust bearing washers and nuts to fit tight against back of gauge. Make necessary adjustments for alignment of studs.

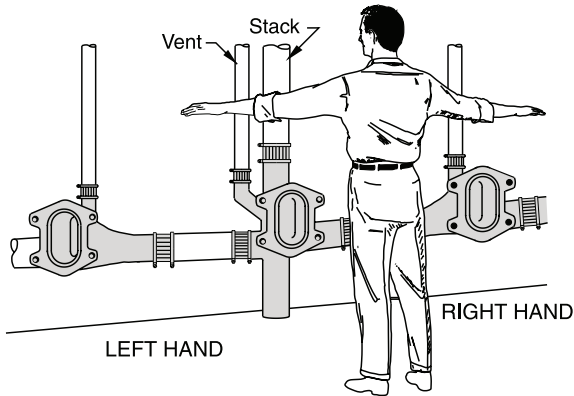


Hold gauge tight against wall and adjust outlet coupling flush with pad corresponding to closet horn depth.

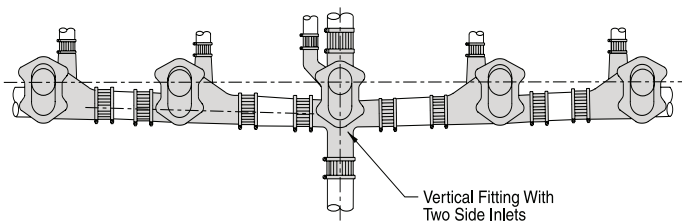


Hold gauge tight against bearing nuts and washers, and mark cut-off point of studs flush with gauge extensions. Remove gauge and cut off studs. Install bowl.

SELECTION OF VERTICAL FITTING WITH SIDE INLETS

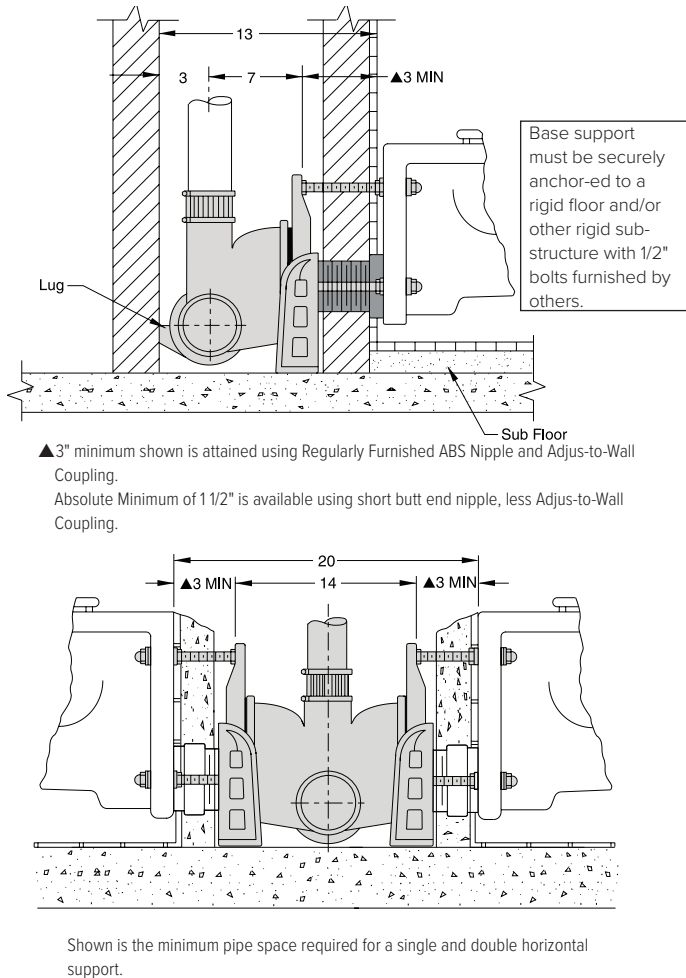


Selecting the proper vertical stack fitting is of prime importance since that fitting with side inlets is the start of the horizontal battery of fittings and supports. To determine left or right hand fitting, face the stack from the fixture side of the wall. If the inlet is to the left of the stack, it is a left hand fitting. If the inlet is on the right of the stack, it is a right hand fitting. The vent is always located on the same side as the inlet on a single inlet stack fitting.

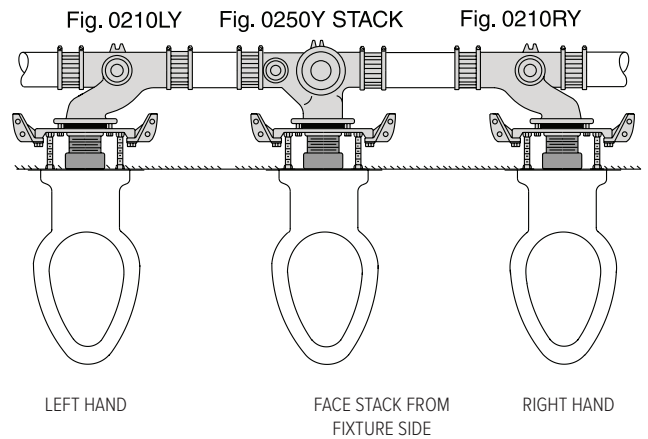


TYPICAL INSTALLATION

▲ SPACE REQUIREMENTS FOR SINGLE AND DOUBLE HORIZONTAL SUPPORTS

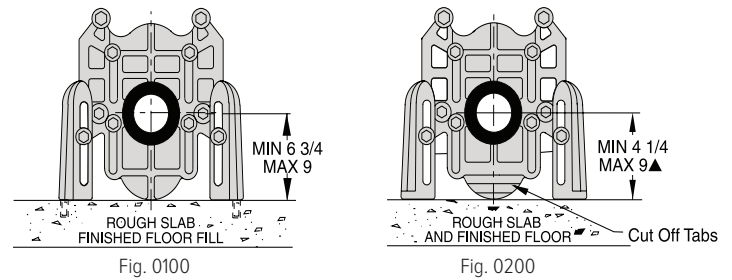


DETERMINING LEFT OR RIGHT HAND HORIZONTAL FITTINGS



Left or right hand fitting is always determined by facing the stack from the fixture side of the room. Closet fittings to the left of the stack are left hand fittings. Closet fittings to the right of the stack are right hand fittings.

FACE PLATE SELECTION



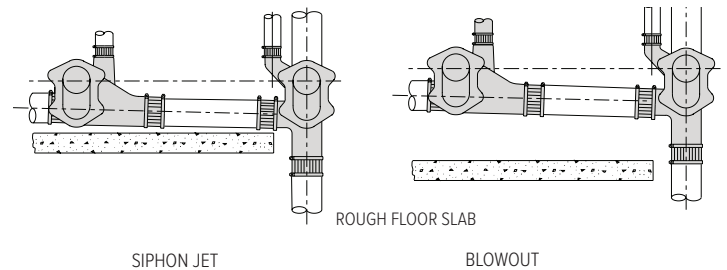
0200 Series 4" or 5" rough-in face plate available.

Fig. 0200 SERIES SHALLOW ROUGH-IN TYPE

The face plate is designed for one-pour construction, consisting of a single slab with fill and 1/4" finished material.

▲ Cut-off grooves provided on 0200 Series face plates. This allows removal of tabs to accommodate 5" or 4 1/4" minimum roughs.

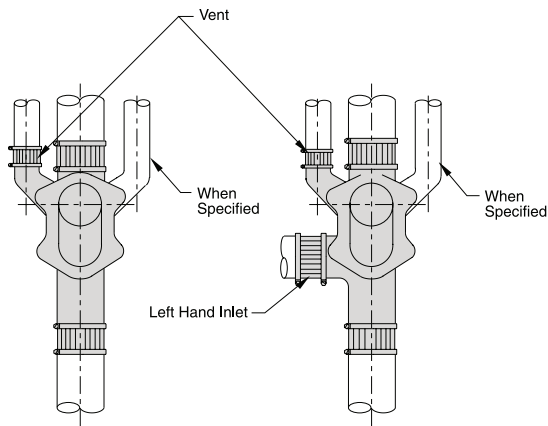
ROUGHING OF VERTICAL ADJUSTABLE FITTINGS WITH SIDE INLETS



Siphon Jet—The location of the side inlet is determined by the center of the closet outlet to the finished floor plus the thickness of the finished floor materials. This will determine where the inlet will be in relation to the rough floor. For shallow roughing (0200 Series) or one-pour slab construction, the side inlet should always set on the slab floor.

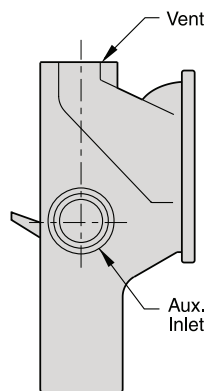
Blowout—The location of the side inlet should be set in the lowest position from center line of the closet outlet to center line of side inlet.

VENT LOCATIONS ON VERTICAL ADJUSTABLE FITTING



All Smith vertical adjustable fittings without side inlets are regularly furnished with a 2" vent on the left side. This vent can be located on the right side when specified. Smith vertical adjustable fittings with side inlet are regularly furnished with 2" vent on the same side as the inlet. The vent can be located on the side opposite the side inlet when specified.

AUXILIARY INLET CONNECTION SUFFIX -N15 SUFFIX -N2



NOTE: Vent and auxiliary inlet, are always located on same side (unless otherwise specified).

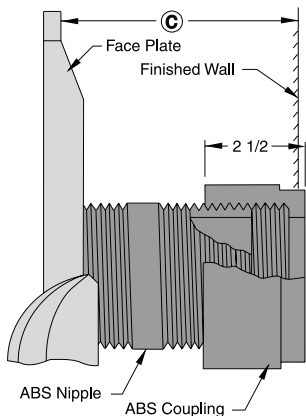
All vertical adjustable fittings can be supplied with either a -N15 (1 1/2") or -N2 (2") tapped inlet, either side. To indicate auxiliary connection, add Suffix -N to the figure number and specify location and size desired. The auxiliary inlet is ideal for receiving waste from lavatories, urinals, etc., where local code will permit. When using soil pipe, the female iron pipe thread can be converted to hub with Smith Fig. 2645 adaptor, or to NO-HUB with Smith Fig. 2646Y adaptor.

© DIMENSION - ADJUS-TO-WALL TYPE OUTLET CONNECTION

The Smith Adjus-to-Wall outlet connection provides adjustment at the face of the wall at the time the fixture is set; thus, compensating for wall construction variations. The

© dimension is measured from the front of the face plate to the face of the finished wall. To properly determine the length of nipple required, deduct 1" from the

© dimension. The Adjus-to-Wall coupling will provide 1/2" horizontal adjustment in either direction with the coupling extended 5/16" past face of the finished wall.

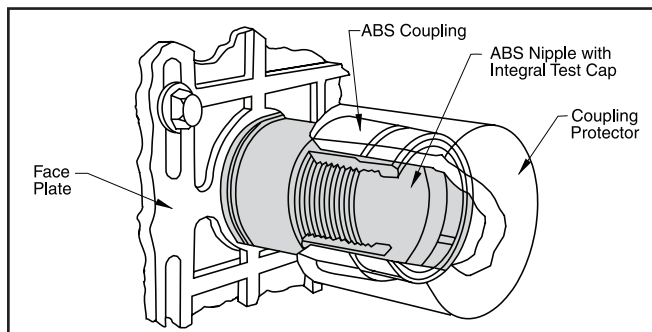


NIPPLE LENGTH	©	
	MIN	MAX
2 1/2	2 1/4	3 1/4
*3 1/4	3	4
*8 1/4	8	9
10	9 3/4	10 3/4
12	11 3/4	12 3/4
15	14 3/4	15 3/4
18	17 3/4	18 3/4

*ABS (Regularly Furnished) other lengths PVC.

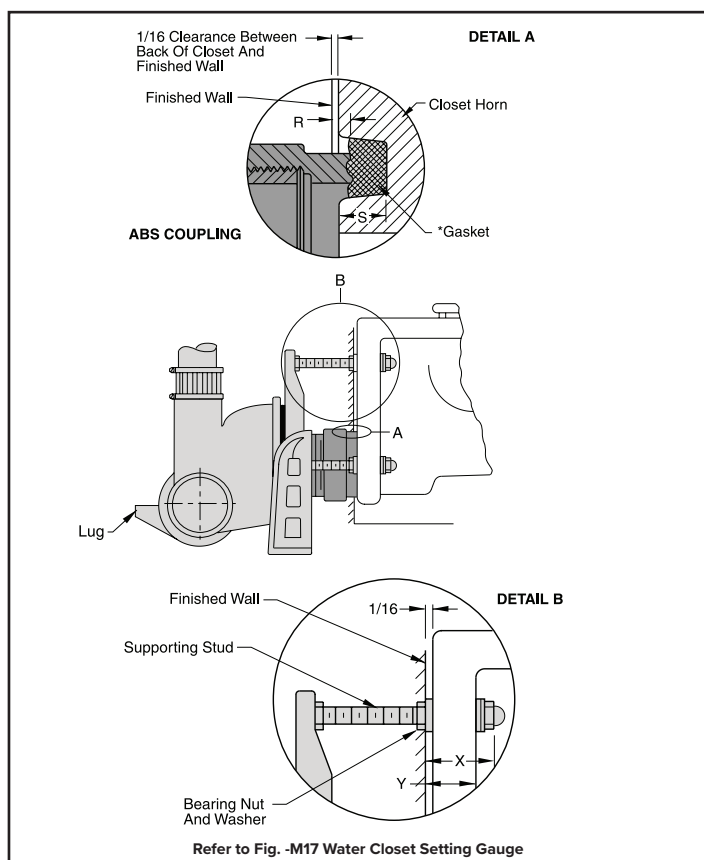
NOTE: When nipple lengths between 3 1/4" and 8 1/4" are specified, the 8 1/4" nipple will be supplied and must be cut to length by others.

COUPLING PROTECTOR



Every Smith Adjus-to-Wall outlet connection is furnished with a polystyrene coupling protector. This protector covers the outlet connection during the wall construction and later permits easy adjustment of the coupling to the finished wall.

RECOMMENDED SETTING OF CLOSET OUTLET CONNECTION AND FIXTURE STUDS



Manufacturers have slight differences in the depth of the closet horn and flange thickness of their closets. Usually the fixture support closet connection should extend 5/16" beyond face of finished wall (Dimension "R") and the fixture studs 2 1/4" (dimension "X"). For exact dimensions, please use the formulas below:

DETAIL A $S + 1/16" - D = R$

R = Distance coupling should extend beyond finished wall.

S = Depth closet horn

1/16" = Distance closet is to set away from finished wall.

*D = 1/2" for felt gasket and 3/8" for neoprene gasket.

NOTE: When the fixture is installed, closet gasket must be compressed sufficiently to assure a gas and water tight seal.

DETAIL B $Y + 1/16" + 9/16" = X$

X = Distance supporting stud should extend beyond finished wall.

Y = Thickness of closet wall flange.

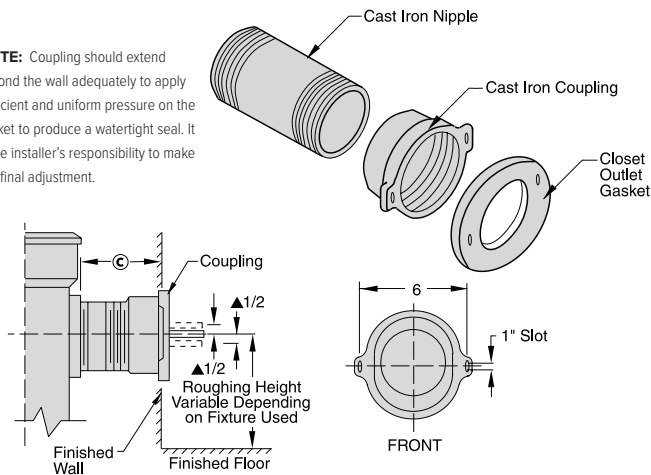
1/16" = Distance closet is to set away from finished wall.

NOTE: Bearing nuts and washers must be set to take full loading from the fixture allowing 1/16" clearance between fixture and wall.

OPTIONAL CLOSET OUTLET CONNECTIONS

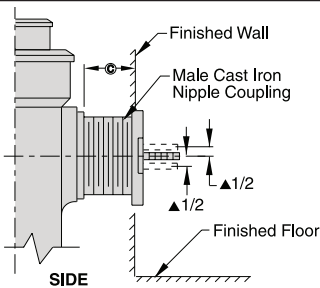
For use with floor mounted back outlet closets. Refer to previous page for proper dimension and coupling adjustment. Nipple lengths available are also listed.

NOTE: Coupling should extend beyond the wall adequately to apply sufficient and uniform pressure on the gasket to produce a watertight seal. It is the installer's responsibility to make this final adjustment.



▲NOTE: The 4" adjustable coupling is provided with vertical slotted ears which permit a 1/2" adjustment up or down for variation in finished floor height.

TYPE NO. 2 CLOSET OUTLET CONNECTION

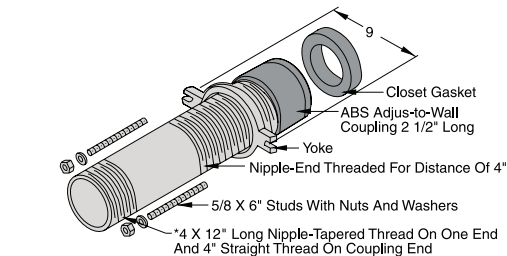


The type 2M outlet connection is used with floor mounted back outlet closets. The 2M connection is an integral nipple/coupling whose length is specified by the \odot dimension. The 2M can accommodate a smaller \odot dimension than the type 2 connection.

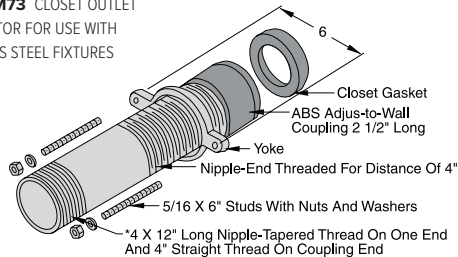
	\odot
MIN	1
MAX	3

▲NOTE: The 4" adjustable coupling is provided with vertical slotted ears which permit a 1/2" adjustment up or down for variation in finished floor height.

TYPE 2M CLOSET OUTLET CONNECTION



TYPE -M73 CLOSET OUTLET CONNECTOR FOR USE WITH STAINLESS STEEL FIXTURES



TYPE -M74 CLOSET OUTLET CONNECTOR FOR USE WITH STAINLESS STEEL FIXTURES

***NOTE:** See previous page for Nipple lengths available.

COMPACT FIXTURE SUPPORTS

Smith compact fixture supports with waste fittings are designed specifically for installation where non-adjustable vertical fittings are suitable for construction requirements and minimum pipe space is of prime consideration. These supports are available in both offset and center line waste type.

The offset waste type features an absolute minimum center to back dimension and is arranged with vertical vent connection making it suitable for multi-story installation.

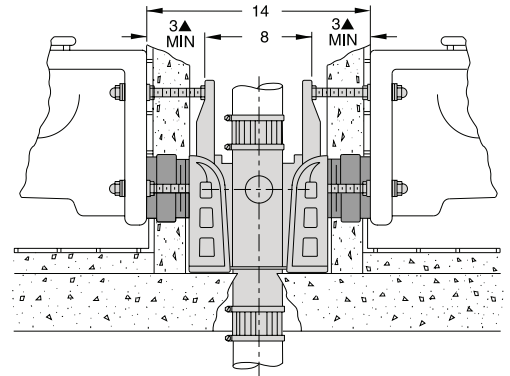
The center line waste type does not have the vent connection and is limited to single story installations. The extension of the vertical waste line is the stack vent.

Both types are available for siphon jet or blowout closet applications.

▲ MINIMUM SPACE REQUIREMENTS FOR COMPACT FIXTURE SUPPORTS

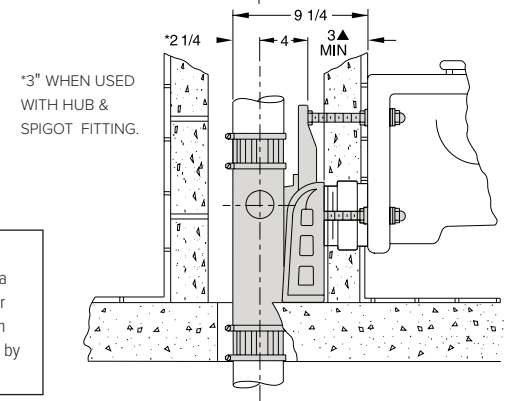
DOUBLE COMPACT OFFSET FITTING

Fig. 0410DY shown installed in a one-pour type floor construction. Dimensions apply to 4" size only.



SINGLE COMPACT OFFSET FITTING

Fig. 0410RY shown installed in a one-pour type floor construction. Dimensions apply to 4" size only.

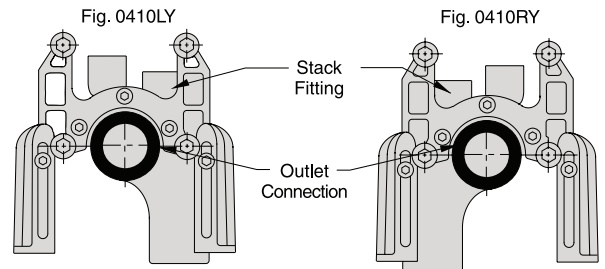


Base support must be securely anchored to a rigid floor and/or other rigid sub-structure with (4) 1/2" bolts furnished by others.

▲3" Minimum shown is attained using Regularly Furnished ABS Nipple and Adjust-to-Wall Coupling.

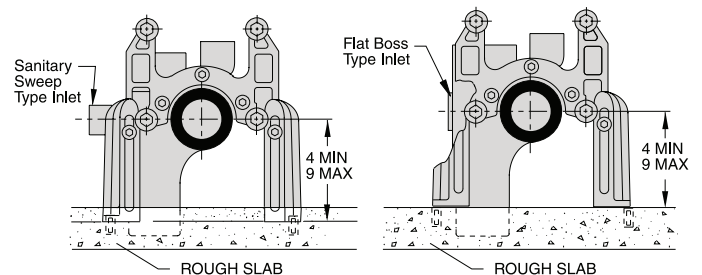
Absolute Minimum of 1 1/2" is available using short butt end nipple, less Adjust-to-Wall Coupling.

DETERMINING LEFT OR RIGHT HAND COMPACT FITTINGS



Face wall looking into closet outlet connection. If connection is on the left side of the vertical stack, it is a left hand support. If on the right side, it is a right hand support.

BASE SUPPORT ADJUSTMENT

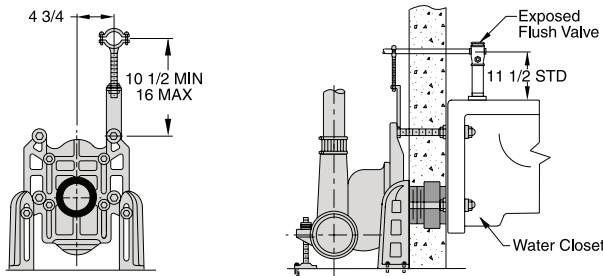


Adjustment limitations are shown above for both one and two-pour construction.

All compact series fixture supports are available with auxiliary inlets. The offset series are available with either a sanitary sweep type inlet or a flat boss type connection. The center line waste type supports are available with only a flat boss type inlet connection. Both inlet types are available in 1 1/4, 1 1/2 or 2" thread. A 2" caulk and no-hub connections are available for the sanitary sweep type inlet.

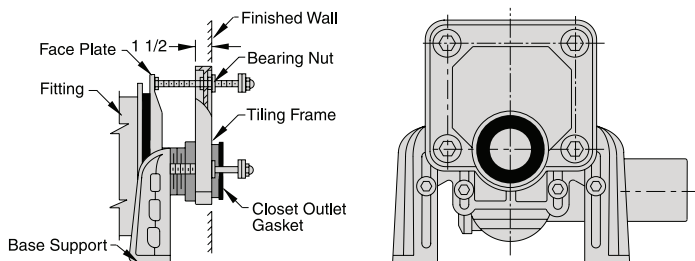
OPTIONAL ACCESSORIES FOR WATER CLOSET SUPPORTS

SUFFIX -M12 EXPOSED FLUSH VALVE SUPPLY SUPPORT



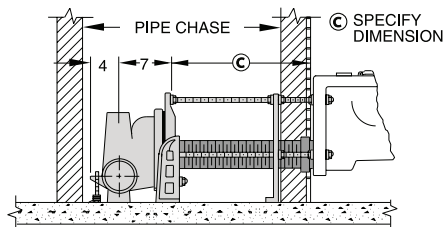
Provides support and alignment for the supply pipe to an exposed flush valve. Available for either blowout or siphon jet fixture supports; must be specified for either 1" copper tube or 1" iron pipe.

SUFFIX -M13 TILING FRAME



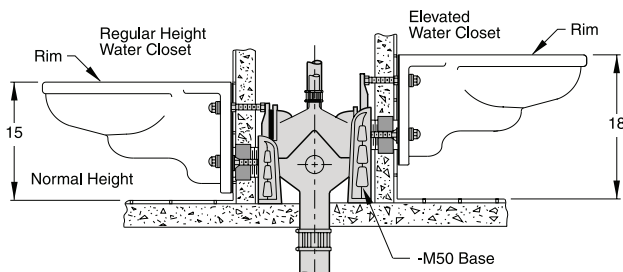
The purpose of this frame is to provide a rim for a flat even surface for the tiler to work to when he is applying the finished wall tile. The end result is an even finish around the frame, thus eliminating any irregular edges and uneven surfaces which can otherwise interfere with the installation of the water closet. Available for siphon jet closets only.

SUFFIX -M40 WATER CLOSET SUPPORT FOR WIDE PIPE CHASE



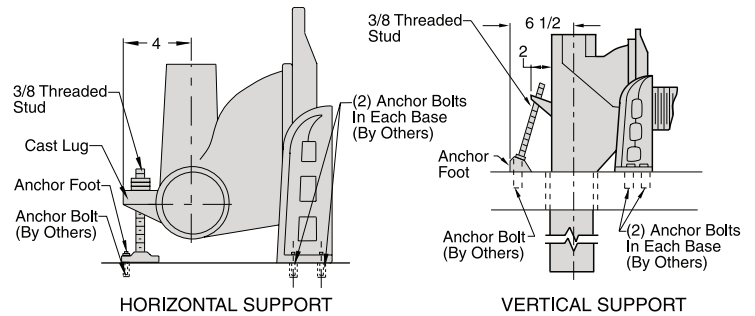
When the © dimension exceeds 7", the -M40 Wide Pipe Chase Support should be used. This accessory provides a set of feet directly behind the wall to give extra rigidity where it's most needed. An alignment yoke is furnished to ensure proper alignment of the nipple. For double (back-to-back) installations, specify whether the -M40 accessory is required on one or both sides. When ordering, the © dimension must be specified. The -M40 may be used with any vertical or horizontal fixture support.

SUFFIX -M50 ELEVATED SUPPORT BASE



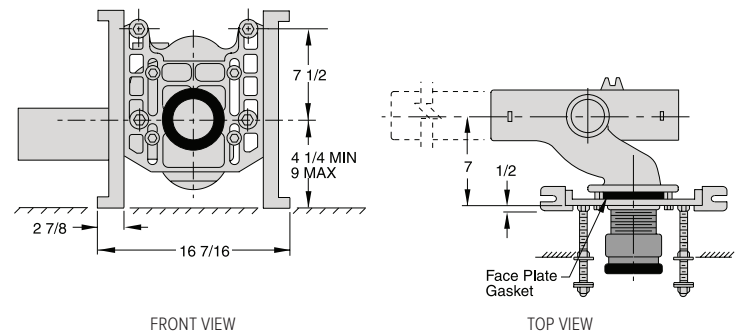
For double (back-to-back) installations which require a single elevated water closet, the -M50 variation may be used with all regular Smith adjustable or single compact supports. Illustrated is a regular double vertical fitting showing siphon jet closets set at normal height and 3" higher on the opposite side to accommodate the wheelchair user. The -M50 is particularly adaptable to hospital or nursing home applications where a single water closet is installed on the stack at each floor. Not recommended for battery installations.

SUFFIX -M51 ANCHOR FOOT

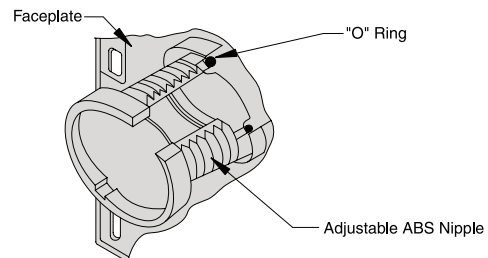


Provides back anchor support for any single horizontal or vertical fixture support. Consists of a 3/8" stud and a cast iron anchor foot. Anchor bolt to concrete must be furnished by others.

SUFFIX -M54 FACE PLATE WITH SIDE MOUNTED BASE SUPPORT ASSEMBLY

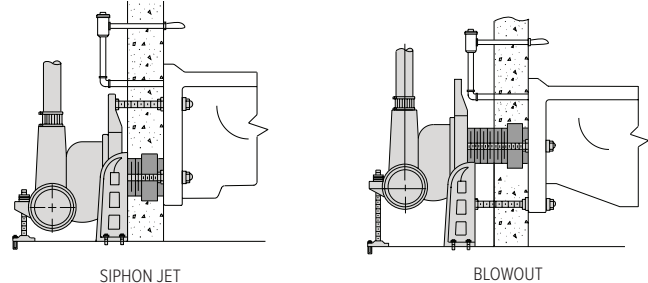


SUFFIX -M58 FACE PLATE WITH ADJUSTABLE NIPPLE AND "O" RING



The -M58 suffix is furnished with the 0200 series faceplate machined for the "O" ring seal and the adjustable 10" ABS nipple.

CONCEALED FLUSH VALVES

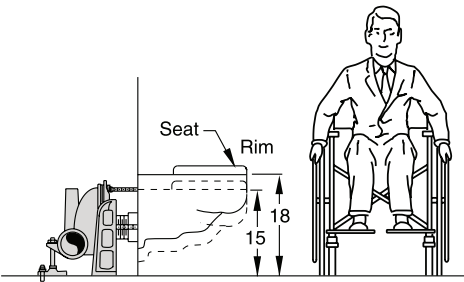


For most siphon jet water closets with concealed flush valves, the supply pipe enters the rear of the water closet above the top of the face plate without interference. (**NOTE:** There is an exception-Crane water closets have a much lower roughing for the inlet; therefore the face plate must be set behind the supply pipe or from 4 1/2" to 6 1/2" back of the rough wall.) Concealed flush valve piping in all cases does not interfere with the vent connection of the fitting.

A concealed flush valve will not clear the face plate when used with a blowout water closet support. Therefore 4 1/2" to 6 1/2" is required from back of wall to face plate to permit the installation of the concealed flush valve piping.

HI-SET ELEVATED ADJUSTABLE FIXTURE SUPPORTS

FACILITIES FOR WHEELCHAIR USERS



Industrial, commercial and government offices are utilizing the talents of the physically impaired. Design considerations for wheelchair users must be incorporated in modern buildings. Convenient entrance and exit must be assured. Inside the building, toilet facilities for wheelchair users are priority areas for special design.

Smith engineers, alert to these trends, have designed the HI-SET fixture support series so that fixtures for wheelchair users can be mounted without special design by the engineer or extra work by the plumbing contractor.

Installation of raised water closets using conventional supports and fittings is normally very difficult.

Smith designs include:

Horizontal adjustable fittings with elevated inlet flange in left or right hand and double (back-to-back). This design permits the elevated water closet to be roughed at any position in the battery.

Special vertical adjustable fittings with hub inlet located so that elevated water closets can be installed directly on the stack without interfering with a battery of conventional height water closets.

Special extra-high base supports of the strong LINEBACKER® design to accommodate the high rough fixture.

The need for elevated water closets is not limited to wheelchair users only, or to commercial offices. The HI-SET elevated installation aids physically impaired persons in hospitals, institutions, nursing homes and homes for the aged.

SHALLOW ROUGH CONSTRUCTION FOR HI-SET FIXTURE SUPPORT

Illustrated (top) is a regular vertical inlet fitting (Fig. 0240RY) located at the stack with a new HI-SET horizontal fitting (Fig. 0115RY) located at the end of the battery.

Illustrated (bottom) is a HI-SET vertical inlet fitting with lowered inlet hub (Fig. 0175RY) located at the stack in conjunction with regular horizontal fittings.

For unusual architectural layouts, consult Smith's Sales Engineering Department for recommendations.

NOTE: ASME Standards indicate 17" to 19" seat height for a handicapped bowl. The 19" seat height can be obtained using a regular support system. Specify Suffix -M50 when ordering.

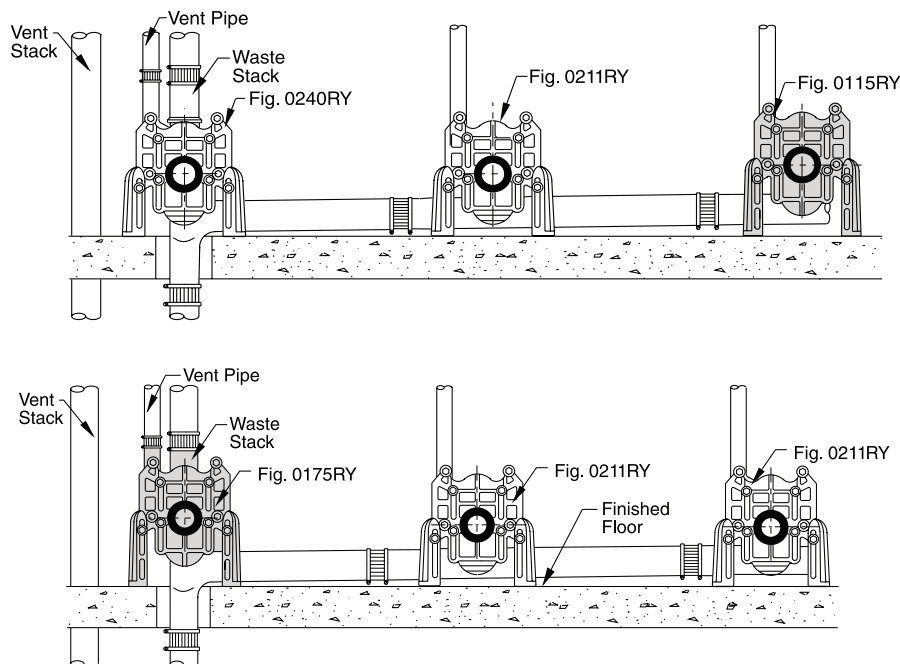


FIG. 0115, 0115Y SERIES HORIZONTAL FITTINGS FOR ELEVATED SIPHON JET WATER CLOSETS FOR WHEELCHAIR USERS DEEP ROUGH-IN TYPE

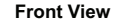
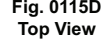
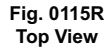
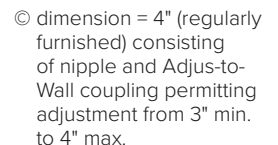
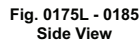


FIG. 0175, 0185 SERIES VERTICAL FITTINGS WITH SIDE INLET FOR ELEVATED SIPHON JET WATER CLOSETS FOR WHEELCHAIR USERS DEEP ROUGH-IN TYPE

14

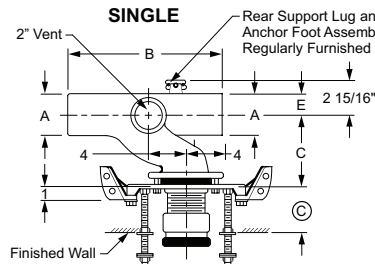


Fig. 0208RY
Top View

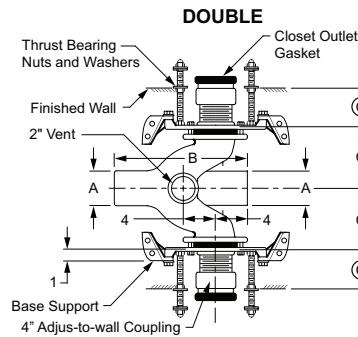


Fig. 0208DY
Top View

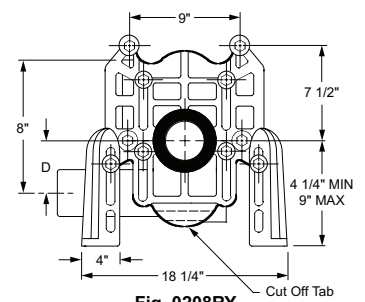


Fig. 0208RY
Front View

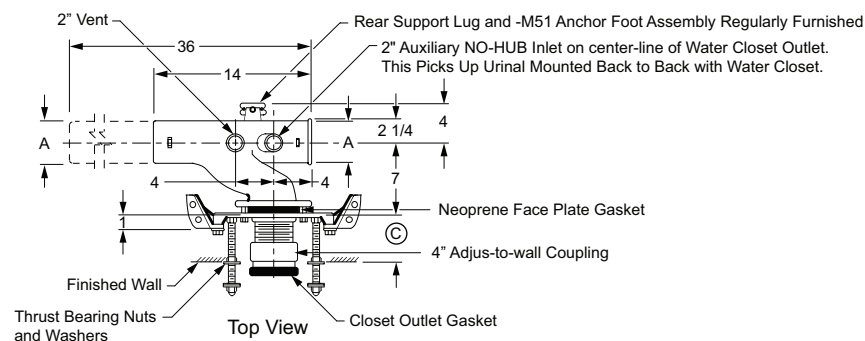
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE 03"	B	C	D		E
						MIN	MAX	
NO-HUB	0208LY	Single-Left Hand	2,259.00	14"	5 5/16"	5/8"	3 3/8"	1 11/16"
	0208RY	Single-Right Hand	2,259.00	14"	5 5/16"	5/8"	3 3/8"	1 11/16"
	0208DY	Double	4,171.00	14"	5 5/16"	5/8"	3 3/8"	1 11/16"

© dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIG. 0209Y, 0219Y SERIES HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS



OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D		APPROX. WT. LBS.
				MIN	MAX	
NO-HUB	0209LY	Single-Left Hand w/Vent and 2" Aux No-Hub Inlet	3,136.00	5/8"	3 3/8"	61
	0209RY	Single-Right Hand w/Vent and 2" Aux No-Hub Inlet	3,136.00	5/8"	3 3/8"	61
	0219LY	Single-Left Hand Long Barrel w/Two Vents and 2" Aux No-Hub Inlet	3,792.00	5/8"	3 3/8"	78
	0219RY	Single-Right Hand Long Barrel w/Two Vents and 2" Aux No-Hub Inlet	3,792.00	5/8"	3 3/8"	78

© dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

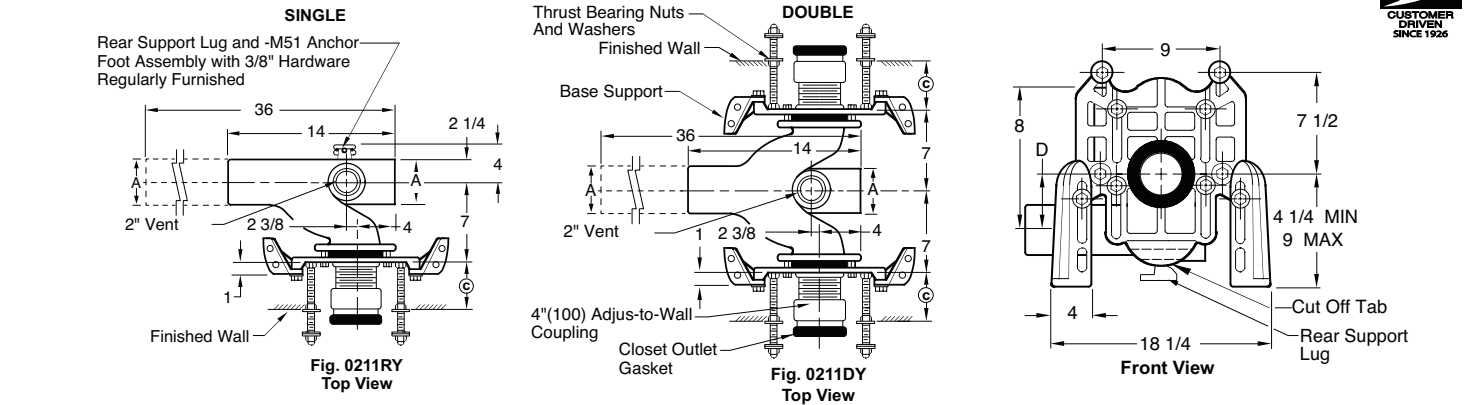
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

FIG. 0211Y, 0221Y HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS SHALLOW ROUGH-IN TYPE



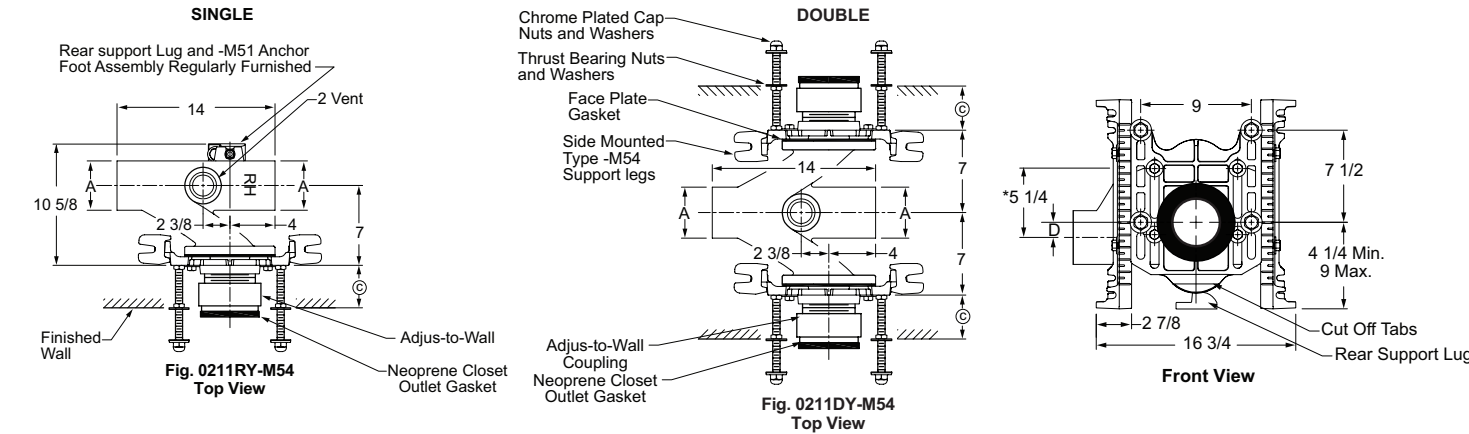
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE +04"	D	
				MIN.	MAX.
NO-HUB	0211LY	Single-Left Hand	2,501.00	5/8"	3 3/8"
	0211RY	Single-Right Hand	2,501.00	5/8"	3 3/8"
	0211DY	Double	4,675.00	5/8"	3 3/8"
	0221LY	Single-Left Hand Long Barrel	3,341.00	5/8"	3 3/8"
	0221RY	Single-Right Hand Long Barrel	3,341.00	5/8"	3 3/8"
	0221DY	Double Long Barrel	5,812.00	5/8"	3 3/8"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

© dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIG. 0211Y-M54, 0221Y-M54, 0211Y-M58/M54, 0221Y-M58/M54 HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS SHALLOW ROUGH-IN TYPE



OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE +04"	D	
				MIN.	MAX.
NO-HUB	0211LY-M54	Single-Left Hand	2,501.00	3/4"	3 3/8"
	0211RY-M54	Single-Right Hand	2,501.00	3/4"	3 3/8"
	0211DY-M54	Double	4,675.00	3/4"	3 3/8"
	0221LY-M54	Single-Left Hand Long Barrel	3,341.00	3/4"	3 3/8"
	0221RY-M54	Single-Right Hand Long Barrel	3,341.00	3/4"	3 3/8"
	0221DY-M54	Double Long Barrel	5,812.00	3/4"	3 3/8"
NO-HUB	0211LY-M58/54	Single-Left Hand	2,501.00	3/4"	3 3/8"
	0211RY-M58/54	Single-Right Hand	2,501.00	3/4"	3 3/8"
	0211DY-M58/54	Double	4,675.00	3/4"	3 3/8"
	0221LY-M58/54	Single-Left Hand Long Barrel	3,341.00	3/4"	3 3/8"
	0221RY-M58/54	Single-Right Hand Long Barrel	3,341.00	3/4"	3 3/8"
	0221DY-M58/54	Double Long Barrel	5,812.00	3/4"	3 3/8"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

© dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

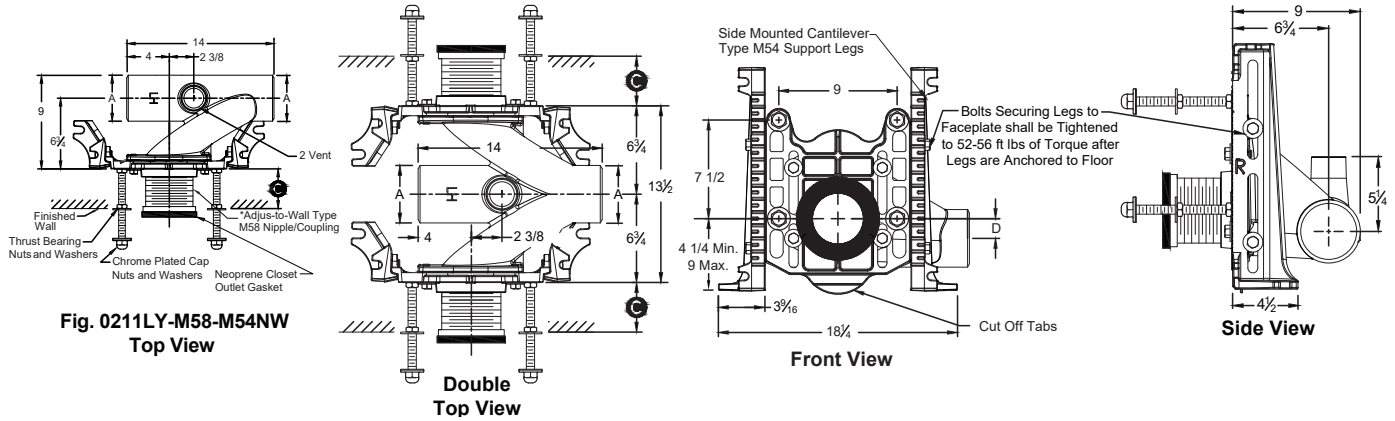


Fig. 0211LY-M58-M54NW
Top View

Double
Top View

Front View

Side View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	MIN.	D MAX.
NO-HUB	0211LY-M54NW	Single-Left Hand	2,996.00	5/8"	3 3/8"
	0211RY-M54NW	Single-Right Hand	2,996.00	5/8"	3 3/8"
	0211DY-M54NW	Double	5,395.00	5/8"	3 3/8"
	0211LY-M58-M54NW	Single-Left Hand	2,996.00	5/8"	3 3/8"
	0211RY-M58-M54NW	Single-Right Hand	2,996.00	5/8"	3 3/8"
	0211DY-M58-M54NW	Double	5,395.00	5/8"	3 3/8"

*ABS (Regularly Furnished)

Conforms with the requirements of ASME A112.6.1M up to a 500lbs (227Kg) static load rating, without a rear anchor.

See submittals for complete information.

FIG. 0211Y-M54-XK, 0221Y-M54-XK HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS BARIATRIC DUTY - 1000 LBS.

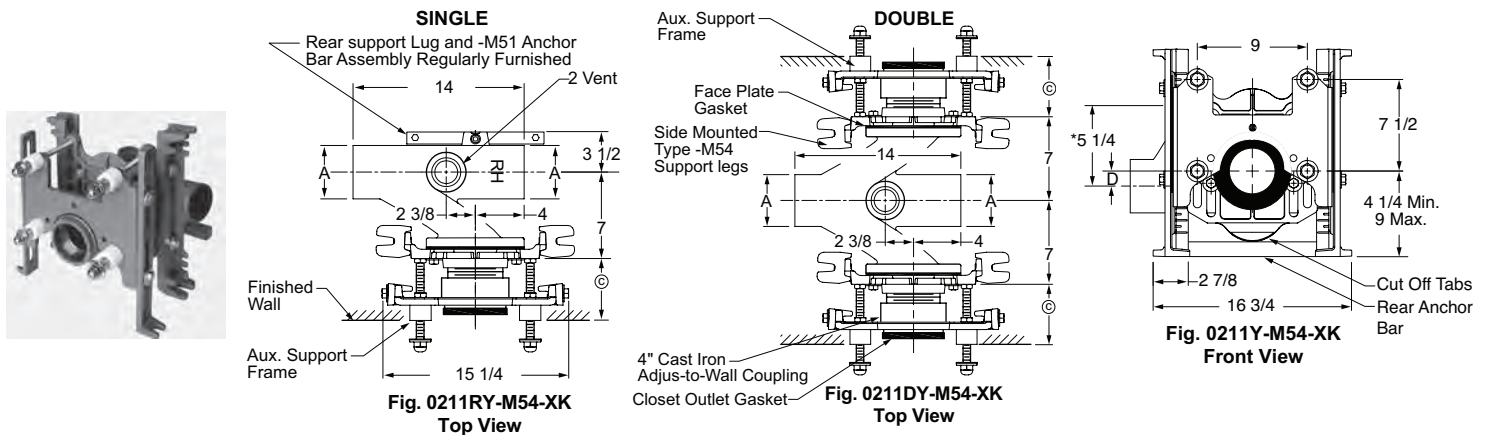


Fig. 0211RY-M54-XK
Top View

Fig. 0211DY-M54-XK
Top View

Fig. 0211Y-M54-XK
Front View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	MIN.	D MAX.	APPROX. WT. LBS.
NO-HUB	0211LY-M54-XK	Single-Left Hand	7,235.00	3/4"	3 3/8"	55
	0211RY-M54-XK	Single-Right Hand	7,235.00	3/4"	3 3/8"	55
	0211DY-M54-XK	Double	13,958.00	3/4"	3 3/8"	100
	0221LY-M54-XK	Single-Left Hand Long Barrel	8,103.00	3/4"	3 3/8"	74
	0221RY-M54-XK	Single-Right Hand Long Barrel	8,103.00	3/4"	3 3/8"	74
	0221DY-M54-XK	Double Long Barrel	15,143.00	3/4"	3 3/8"	119

© dimension = 4 1/4" to 5 1/4" with regularly furnished 4 1/2" cast iron nipple and Adjust-to-Wall coupling.

*Dimension is from centerline of barrel to top of vent.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

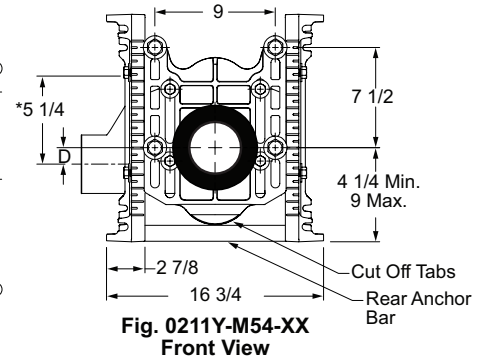
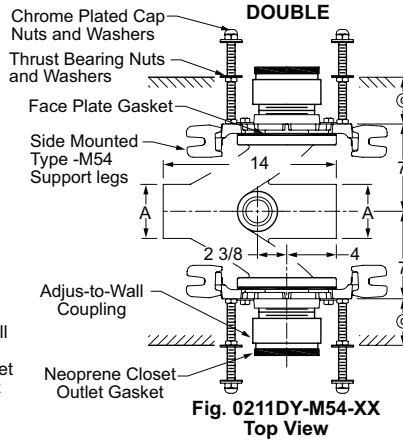
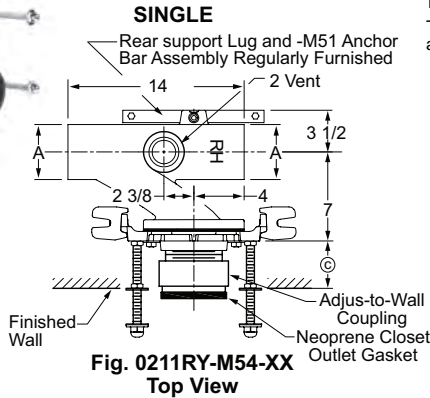
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

Jay R. Smith 0211Y or 0221Y-M54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0211Y-M54-XX, 0221Y-M54-XX HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS EXTRA HEAVY DUTY - 750 LBS.



© dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max. Longer nipples are available, specify © dimension.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

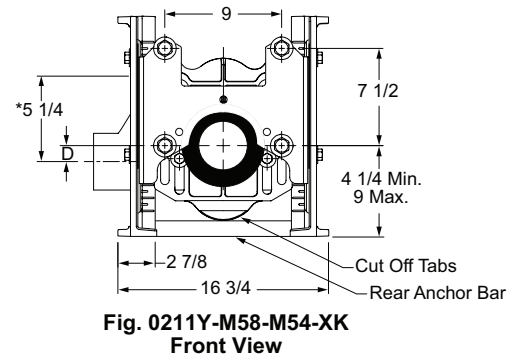
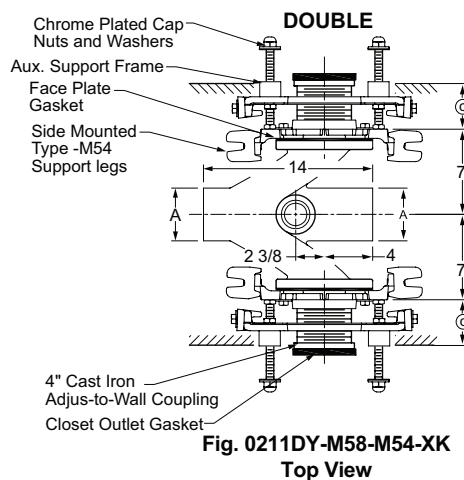
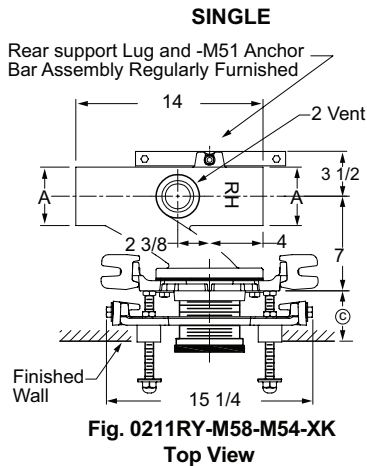
*Dimension to top of vent.

Jay R. Smith 0211Y or 0221Y-M54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.

NOTE: Always specify fixture manufacturer's model name and number.

FIG. 0211Y-M58/54-XK, 0221Y-M58/54-XK HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS BARIATRIC DUTY - 1000 LBS.



© dimension = 4 1/4" to 4 3/4" with regularly furnished 5 1/4" cast iron nipple and Adjust-to-Wall coupling.

*Dimension is from centerline of barrel to top of vent.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

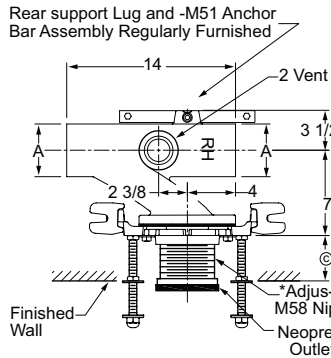
Jay R. Smith 0211Y or 0221Y-M58/54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

*REGULARLY FURNISHED

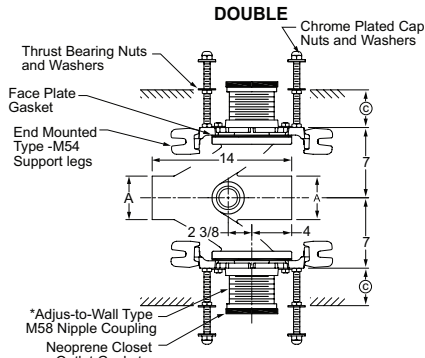
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	MIN.	D MAX.
NO-HUB	0211LY-M58/54-XK	Single-Left Hand	7,235.00	3/4"	3 3/8"
	0211RY-M58/54-XK	Single-Right Hand	7,235.00	3/4"	3 3/8"
	0211DY-M58/54-XK	Double	13,958.00	3/4"	3 3/8"
	0221LY-M58/54-XK	Single-Left Hand Long Barrel	8,103.00	3/4"	3 3/8"
	0221RY-M58/54-XK	Single-Right Hand Long Barrel	8,103.00	3/4"	3 3/8"
	0221DY-M58/54-XK	Double Long Barrel	15,143.00	3/4"	3 3/8"

			ADD FOR:	
			SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)			156.00	312.00
Type 2 Female Coupling			66.00	132.00
Type 2M Male Coupling			66.00	132.00
M13 Finishing Frame			125.00	250.00

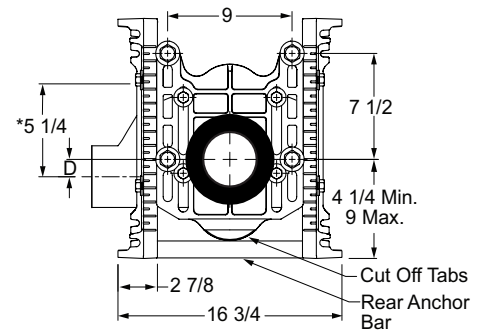
FIG. 0211Y-M58/54-XX, 0221Y-M58/54-XX HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS EXTRA HEAVY DUTY - 750 LBS.



**Fig. 0211YR-M58/M54-XX
Top View**



**Fig. 0211DY-M58/M54-XX
Top View**



**Fig. 0211Y-M58/M54-XX
Front View**

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE +04"	D MIN. MAX.
NO-HUB	0211LY-M58/54-XX	Single-Left Hand	5,118.00	3/4" 3 3/8"
	0211RY-M58/54-XX	Single-Right Hand	5,118.00	3/4" 3 3/8"
	0211DY-M58/54-XX	Double	5,118.00	3/4" 3 3/8"
	0221LY-M58/54-XX	Single-Left Hand Long Barrel	5,985.00	3/4" 3 3/8"
	0221RY-M58/54-XX	Single-Right Hand Long Barrel	5,985.00	3/4" 3 3/8"
	0221DY-M58/54-XX	Double Long Barrel	5,985.00	3/4" 3 3/8"

ADD FOR:		
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

Jay R. Smith 0211Y or 0221Y-M58/54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

© dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

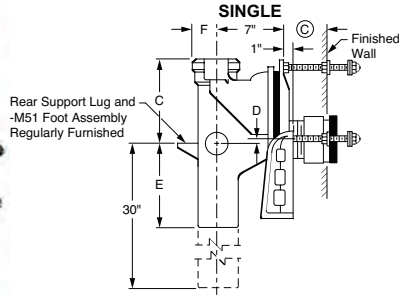
NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

NOTE: When nipple lengths between 3 1/4" and 9 3/4" are specified, the 10" nipple will be supplied. The threaded end of nipple must be cut to specified length by others.

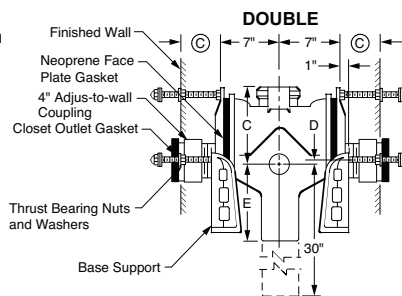
LENGTH	MIN	MAX
10	8 3/4"	9 3/4"

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

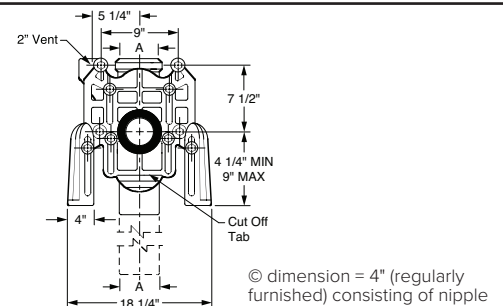
FIG. 0230, 0260 VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS SHALLOW ROUGH-IN TYPE



**Fig. 0230
Side View**



**Fig. 0230D
Side View**



**Fig. 0230
Front View**

© dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE			C	D		E	F	APPROX. WT. LBS.
			+04"	05"	06"		MIN.	MAX.			
CAULK	0230	Single	2,934.00			9"	1 1/2"	4 1/4"	10"	3"	98
	0230D	Double	5,080.00			9"	1 1/2"	4 1/4"	10"	3"	135
	0230	Single		3,693.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	98
	0230D	Double		5,875.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	135
	0230	Single			4,338.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	98
	0230D	Double			6,486.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	135
			+04" X 04"	05" X 04" OR 05"	06" X 04"						
CAULK	0260	Single Long Barrel	4,406.00			9"	1 1/2"	4 1/4"	10"	3"	117
	0260D	Double Long Barrel	6,558.00			9"	1 1/2"	4 1/4"	10"	3"	154
	0260	Single Long Barrel		8,150.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	117
	0260D	Double Long Barrel		10,326.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	154
	0260	Single Long Barrel			9,573.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	117
	0260D	Double Long Barrel			11,721.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	154

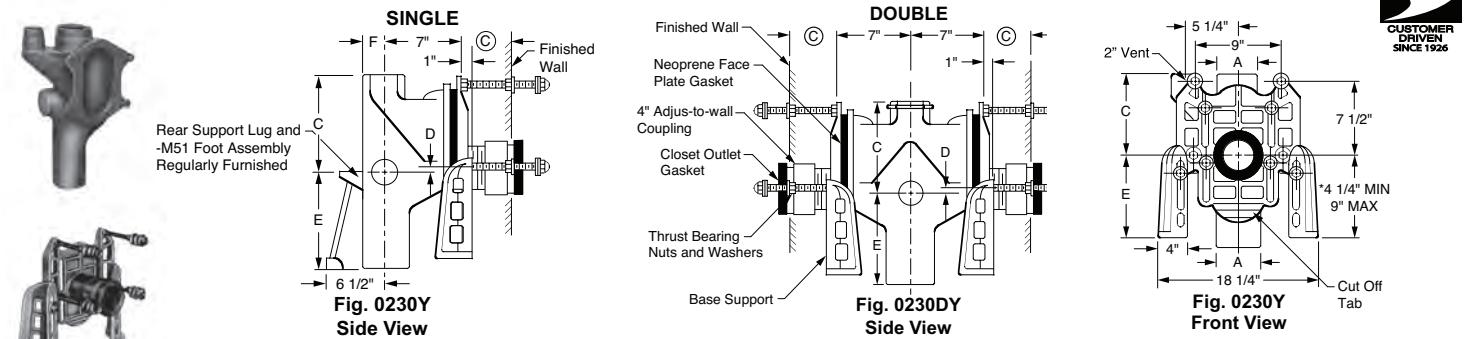
NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: 1 1/2" or 2" NPT Inlet available. Add suffix -N.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

ADD FOR:		
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

*REGULARLY FURNISHED



OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE			C	D		E	F	APPROX. WT. LBS.
			†04"	05"	06"		MIN.	MAX.			
NO-HUB	0230Y	Single	2,808.00			9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0230DY	Double	4,959.00			9"	1 1/2"	4 1/4"	14"	2 1/4"	122
	0230Y	Single		3,494.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0230DY	Double		5,575.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	122
	0230Y	Single			4,071.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	76
	0230DY	Double			6,155.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	122

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

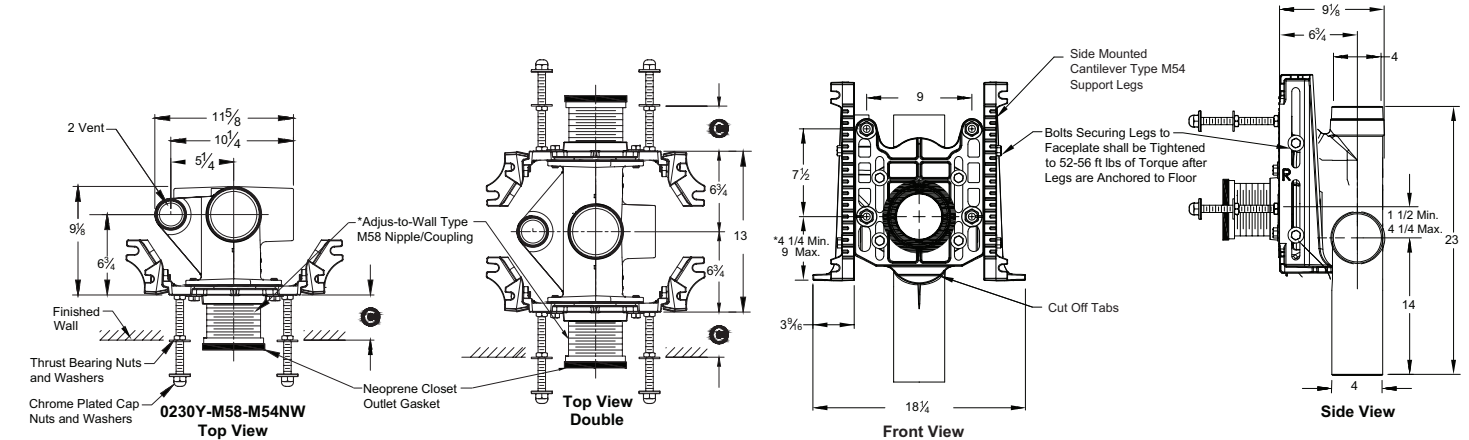
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

© dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).
NOTE: 1 1/2" or 2" tapped inlet available.
***NOTE:** 9" core drilled hole is required for rough-in 4 1/4" thru 6 1/2".

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

FIG. 0230Y-M54NW, 0230Y-M58-M54NW NARROW WALL VERTICAL FITTINGS FOR SIPHON JET WATER CLOSET SUPPORTS



OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"
NO-HUB	0230Y-M54NW	Single	3,331.00
	0230DY-M54NW	Double	5,726.00
	0230Y-M58-M54NW	Single	3,331.00
	0230DY-M58-M54NW	Double	5,726.00

Conforms with the requirements of ASME A112.6.1M up to a 500lbs (227Kg) static load rating, without a rear anchor.

*ABS (Regularly Furnished)

See submittals for complete information.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0230Y-M54-XK VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS BARIATRIC DUTY - 1000 LBS.

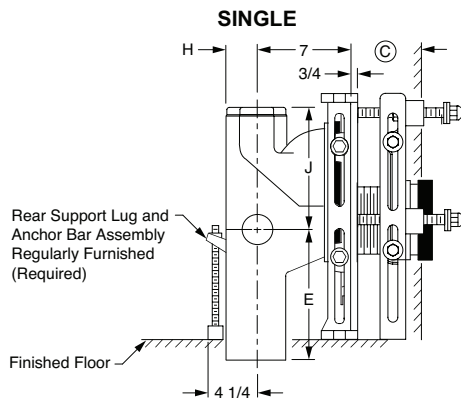


Fig. 0230Y-M54-XK
Side View

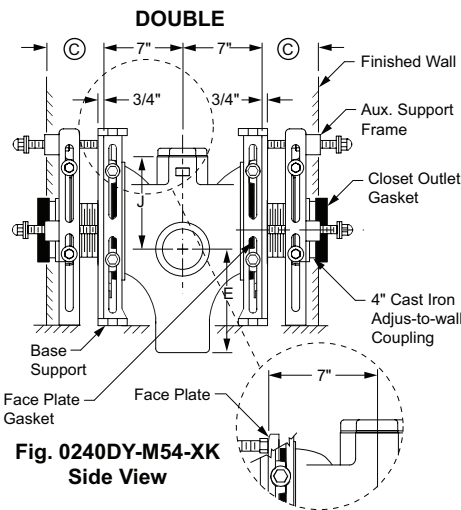


Fig. 0240DY-M54-XK
Side View

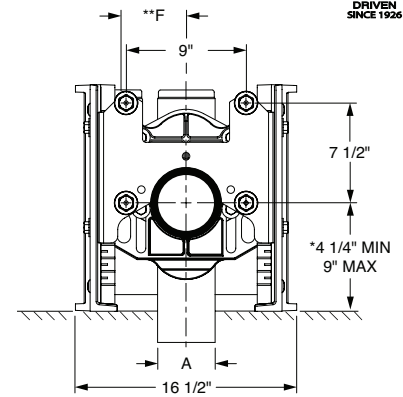


Fig. 0230Y-M54-XK
Front View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE			E	**F	H	J
			+04"	05"	06"				
NO-HUB	0230Y-M54-XK	Single	7,968.00			14"	5 1/4"	2 1/4"	9"
	0230DY-M54-XK	Double	15,356.00			14"	5 1/4"	2 1/4"	9"
	0230Y-M54-XK	Single		8,654.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M54-XK	Double		15,971.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M54-XK	Single			9,231.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M54-XK	Double			16,554.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"

			ADD FOR:	
			SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)			156.00	312.00
Type 2 Female Coupling			66.00	132.00
Type 2M Male Coupling			66.00	132.00
M13 Finishing Frame			125.00	250.00

* **NOTE:** 9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.
 ** **NOTE:** Dimension is from centerline of vent to centerline of stack.
NOTE: 1 1/2" or 2" NPT Inlet available. Add suffix -N.

© dimension = 4" (regularly furnished) consisting of cast iron nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0230Y-M54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

FIG. 0230Y-M54-XX VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS EXTRA HEAVY DUTY - 750 LBS.

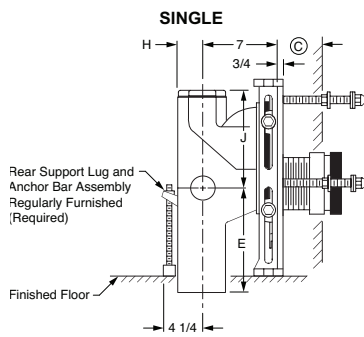


Fig. 0230Y-M54-XX
Side View

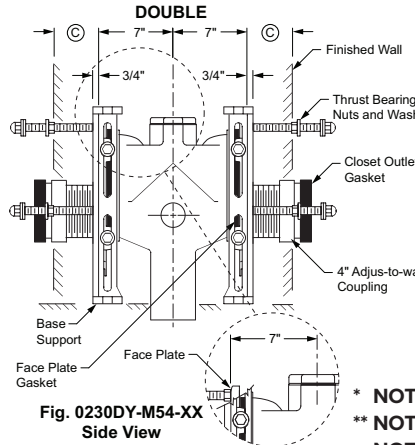


Fig. 0230DY-M54-XX
Side View

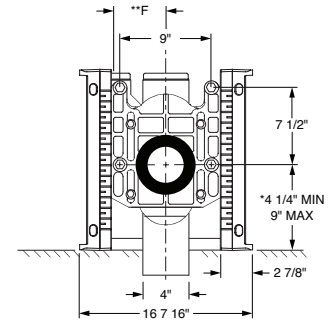


Fig. 0230Y-M54-XX
Front View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE			E	**F	H	J
			+04"	05"	06"				
NO-HUB	0230Y-M54-XX	Single	5,787.00			14"	5 1/4"	2 1/4"	9"
	0230DY-M54-XX	Double	5,787.00			14"	5 1/4"	2 1/4"	9"
	0230Y-M54-XX	Single		6,472.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M54-XX	Double		6,472.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M54-XX	Single			7,050.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M54-XX	Double			7,050.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"

			ADD FOR:	
			SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)			156.00	312.00
Type 2 Female Coupling			66.00	132.00
Type 2M Male Coupling			66.00	132.00
M13 Finishing Frame			125.00	250.00

* **NOTE:** 9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.
 ** **NOTE:** Dimension is from centerline of vent to centerline of stack.
NOTE: 1 1/2" or 2" NPT Inlet available. Add suffix -N.

© dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0230Y-M54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0230Y-M58/54-XK VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS BARIATRIC DUTY - 1000 LBS.



Rear Support Lug and Anchor Bar Assembly Regularly Furnished (Required)

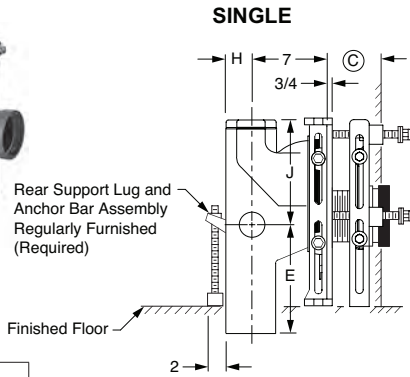


Fig. 0230Y-M58-M54-XK
Side View

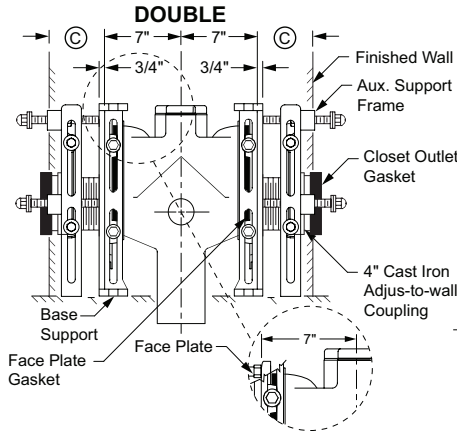


Fig. 0230DY-M58-M54-XK
Side View

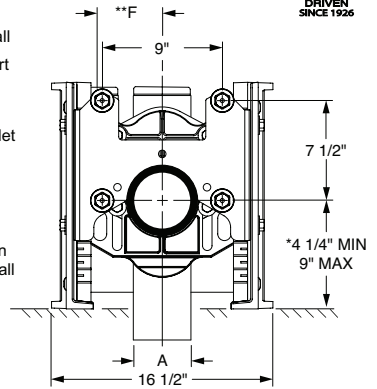


Fig. 0230Y-M58-M54-XK
Front View

LENGTH	MIN	MAX
5 1/4	4 1/4"	4 3/4"

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	*04"	A PIPE SIZE 05"	06"	E	**F	H	J
NO-HUB	0230Y-M58/54-XK	Single	7,968.00			14"	5 1/4"	2 1/4"	9"
	0230DY-M58/54-XK	Double	15,356.00			14"	5 1/4"	2 1/4"	9"
	0230Y-M58/54-XK	Single		8,654.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M58/54-XK	Double		15,971.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M58/54-XK	Single			9,231.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M58/54-XK	Double			16,554.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"

			ADD FOR:	
			SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)			156.00	312.00
Type 2 Female Coupling			66.00	132.00
Type 2M Male Coupling			66.00	132.00
M13 Finishing Frame			125.00	250.00

* NOTE: 9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

** NOTE: "F" Dimension is from centerline of vent to centerline of stack.

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: Shallower minimum rough-in dimension available to accommodate lower rough bowls. Specify dimension required.

NOTE: 1 1/2" or 2" NPT Inlet available. Add suffix -N.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0230Y-M58-M54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

FIG. 0230Y-M58/54-XX VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS EXTRA HEAVY DUTY - 750 LBS.

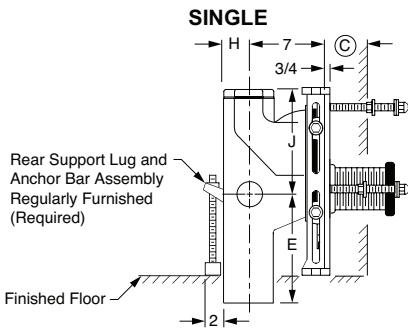


Fig. 0230Y-M58-M54-XX
Side View

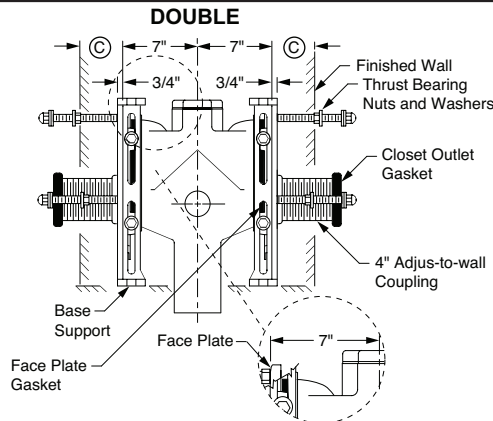


Fig. 0230DY-M58-M54-XX
Side View

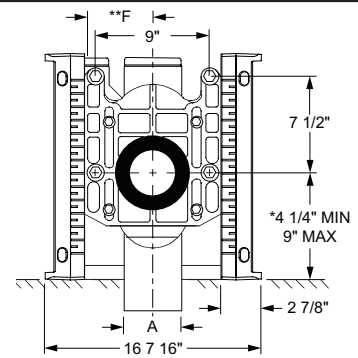


Fig. 0230Y-M58-M54-XX
Front View

LENGTH	MIN	MAX
10	8 3/4"	9 3/4"

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	*04"	A PIPE SIZE 05"	06"	E	**F	H	J
NO-HUB	0230Y-M58/54-XX	Single	5,787.00			14"	5 1/4"	2 1/4"	9"
	0230DY-M58/54-XX	Double	5,787.00			14"	5 1/4"	2 1/4"	9"
	0230Y-M58/54-XX	Single		6,472.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M58/54-XX	Double		6,472.00		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M58/54-XX	Single			7,050.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M58/54-XX	Double			7,050.00	11 1/2"	6 1/4"	3 1/4"	11 1/2"

			ADD FOR:	
			SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)			156.00	312.00
Type 2 Female Coupling			66.00	132.00
Type 2M Male Coupling			66.00	132.00
M13 Finishing Frame			125.00	250.00

* NOTE: 9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

** NOTE: "F" Dimension is from centerline of vent to centerline of stack.

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: Shallower minimum rough-in dimension available to accommodate lower rough bowls. Specify dimension required.

NOTE: 1 1/2" or 2" NPT Inlet available. Add suffix -N.

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0230Y-M58-M54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

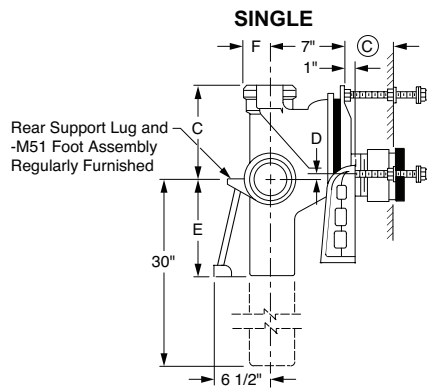


Fig. 0240
Side View

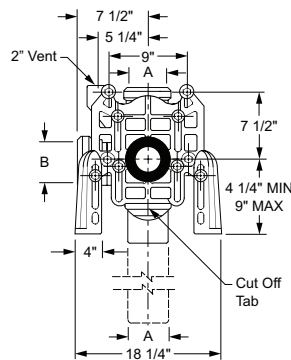


Fig. 0240
Front View

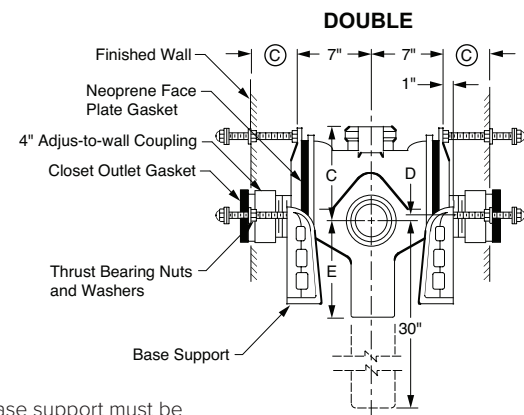


Fig. 0240D
Side View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: 1 1/2" or 2" NPT inlet available. Add suffix -N

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

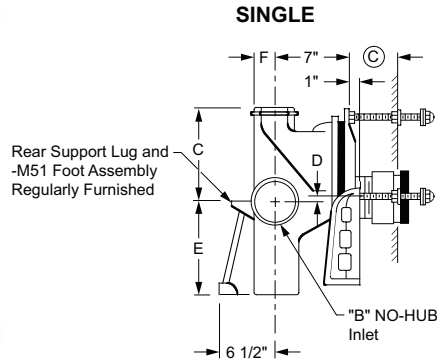
The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	†04" X 04"	A X B SIZE 05" X 04"	06" X 04"	C	MIN.	D MAX.	E	F	APPROX. WT. LBS.
CAULK	0240L	Single-Left Hand with Side Hub Inlet	3,410.00			9"	1 1/2"	4 1/4"	10"	3"	87
	0240R	Single-Right Hand with Side Hub Inlet	3,410.00			9"	1 1/2"	4 1/4"	10"	3"	87
	0240D	Double-with Side Hub Inlet	5,547.00			9"	1 1/2"	4 1/4"	10"	3"	139
	0240L	Single-Left Hand with Side Hub Inlet		4,198.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	87
	0240R	Single-Right Hand with Side Hub Inlet		4,198.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	87
	0240D	Double-with Side Hub Inlet		6,353.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	139
	0240L	Single-Left Hand with Side Hub Inlet			4,813.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	87
	0240D	Double-with Side Hub Inlet			6,963.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	139
	0250	Single-with Two Side Hub Inlets	3,890.00			9"	1 1/2"	4 1/4"	10"	3"	100
	0250D	Double-with Two Side Hub Inlets	6,028.00			9"	1 1/2"	4 1/4"	10"	3"	144
	0250	Single-with Two Side Hub Inlets		4,683.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	100
	0250D	Double-with Two Side Hub Inlets		6,838.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	144
	0250	Single-with Two Side Hub Inlets			5,297.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	100
	0250D	Double-with Two Side Hub Inlets			7,451.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	144
	0270L	Single-Left Hand with Side Hub Inlet-Long Barrel	4,892.00			9"	1 1/2"	4 1/4"	10"	3"	116
	0270R	Single-Right Hand with Side Hub Inlet-Long Barrel	4,892.00			9"	1 1/2"	4 1/4"	10"	3"	116
	0270D	Double-with Side Hub Inlet-Long Barrel	7,029.00			9"	1 1/2"	4 1/4"	10"	3"	158
	0270L	Single-Left Hand with Side Hub Inlet-Long Barrel		8,648.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	116
	0270R	Single-Right Hand with Side Hub Inlet-Long Barrel		8,648.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	116
	0270D	Double-with Side Hub Inlet-Long Barrel		10,809.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	158
	0270L	Single-Left Hand with Side Hub Inlet-Long Barrel			10,049.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	116
	0270D	Double-with Side Hub Inlet-Long Barrel			12,202.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	158
	0280	Single-with Two Side Hub Inlets-Long Barrel	5,368.00			9"	1 1/2"	4 1/4"	10"	3"	119
	0280D	Double-with Two Side Hub Inlets-Long Barrel	7,511.00			9"	1 1/2"	4 1/4"	10"	3"	163
	0280	Single-with Two Side Hub Inlets-Long Barrel		9,126.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	119
	0280D	Double-with Two Side Hub Inlets-Long Barrel		11,286.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	163
	0280	Single-with Two Side Hub Inlets-Long Barrel			10,525.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	119
	0280D	Double-with Two Side Hub Inlets-Long Barrel			12,683.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	163

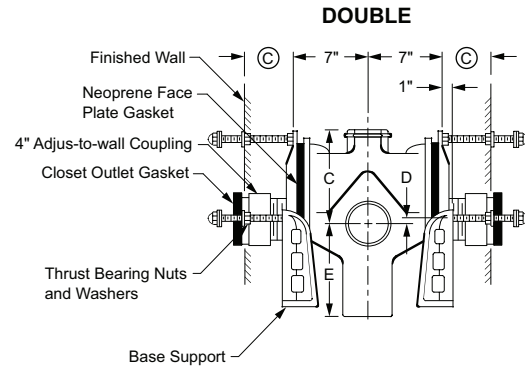
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

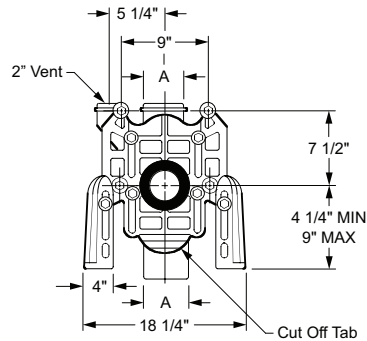
†REGULARLY FURNISHED



**Fig. 0240Y
Side View**



**Fig. 0240DY
Side View**



**Fig. 0240Y
Front View**

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: Centerline of stack to end of NO-HUB side inlet in 5"

***NOTE:** 9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2 .

© dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	†04" X 04"	A X B SIZE			C	D		E	F	APPROX. WT. LBS.
				05" X 04"	06" X 04"			MIN.	MAX.			
NO-HUB	0240LY	Single-Left Hand with Side Inlet	3,284.00				9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0240RY	Single-Right Hand with Side Inlet	3,284.00				9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0240DY	Double-with Side Inlet	5,427.00				9"	1 1/2"	4 1/4"	14"	2 1/4"	122
	0240LY	Single-Left Hand with Side Inlet		3,952.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0240RY	Single-Right Hand with Side Inlet		3,952.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0240DY	Double-with Side Inlet		6,032.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	122
	0240LY	Single-Left Hand with Side Inlet			4,546.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	76
	0240DY	Double-with Side Inlet			6,631.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	122
	0250Y	Single-with Two Side Inlets	3,768.00				9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0250DY	Double-with Two Side Inlets	5,907.00				9"	1 1/2"	4 1/4"	14"	2 1/4"	122
	0250Y	Single-with Two Side Inlets		4,415.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0250DY	Double-with Two Side Inlets		6,489.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	122
	0250Y	Single-with Two Side Inlets			4,965.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	76
	0250DY	Double-with Two Side Inlets			7,090.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	122

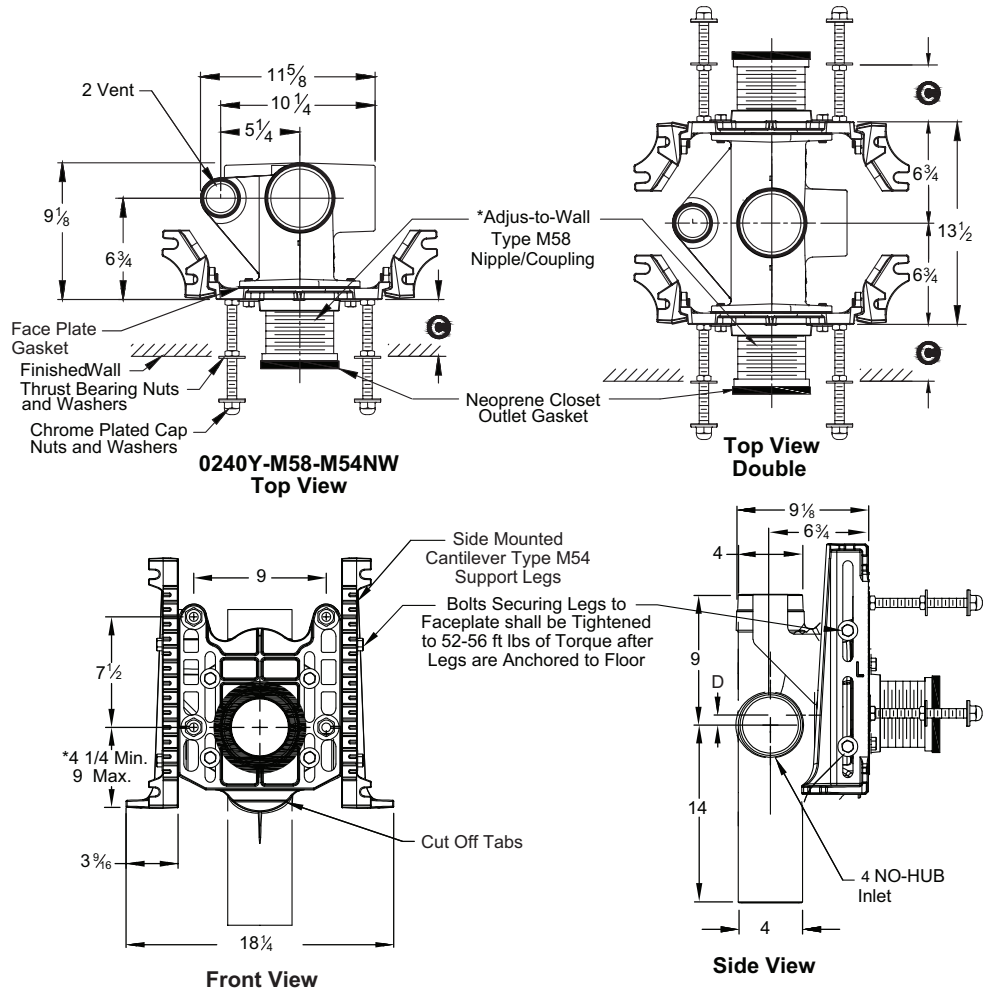
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0240Y-M54NW, 0240Y-M58-M54NW NARROW WALL VERTICAL FITTINGS FOR SIPHON JET WATER CLOSET SUPPORTS WITH SIDE INLETS



OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D	
				MIN.	MAX.
NO-HUB	0240LY-M54NW	Single with Left Hand Side Inlet	3,807.00	1 1/2"	4 1/4"
	0240RY-M54NW	Single with Right Hand Side Inlet	3,807.00	1 1/2"	4 1/4"
	0240DY-M54NW	Double with Side Inlet	6,204.00	1 1/2"	4 1/4"
	0240LY-M58-M54NW	Single with Left Hand Side Inlet	3,807.00	1 1/2"	4 1/4"
	0240RY-M58-M54NW	Single with Right Hand Side Inlet	3,807.00	1 1/2"	4 1/4"
	0240DY-M58-M54NW	Double with Side Inlet	6,204.00	1 1/2"	4 1/4"

*ABS (Regularly Furnished)

Conforms with the requirements of ASME A112.6.1M up to a 500lbs (227Kg) static load rating, without a rear anchor.

See submittals for complete information.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

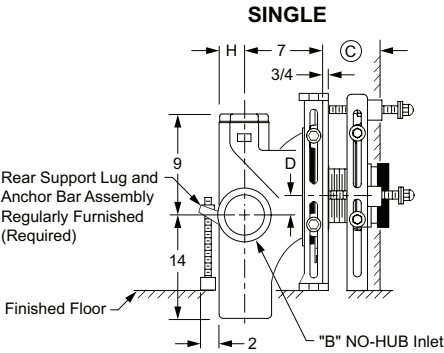


Fig. 0240Y-M54-XK
Side View

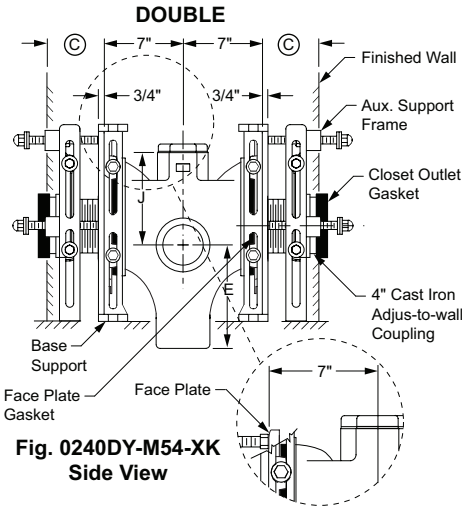


Fig. 0240DY-M54-XK
Side View

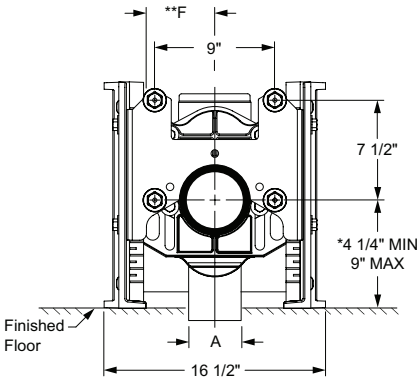


Fig. 0240Y-M54-XK
Front View

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: 1 1/2" or 2" tapped inlet available. Add suffix -N.

NOTE: *9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 4 1/4" to 5 1/4" with regularly furnished 4 1/2" cast iron nipple and Adjus-to-Wall coupling.

**F dimension is from centerline of vent to centerline of stack.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			D		E	**F	H	J
			*04" X 04"	05" X 04"	06" X 04"	MIN.	MAX.				
NO-HUB	0240LY-M54-XK	Single-Left Hand with Side Inlet	8,444.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M54-XK	Single-Right Hand with Side Inlet	8,444.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M54-XK	Double-with Side Inlet	15,824.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M54-XK	Single-Left Hand with Side Inlet		9,115.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240RY-M54-XK	Single-Right Hand with Side Inlet		9,115.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240DY-M54-XK	Double-with Side Inlet		16,430.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240LY-M54-XK	Single-Left Hand with Side Inlet			9,705.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0240DY-M54-XK	Double-with Side Inlet			17,028.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0240Y-M54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

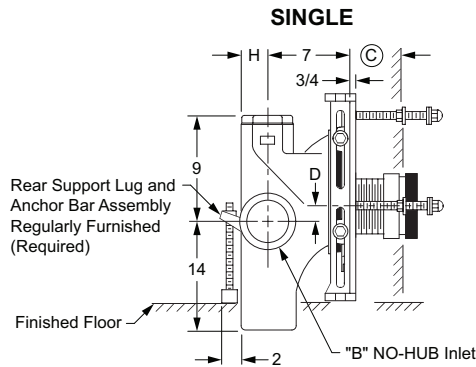


Fig. 0240Y-M54-XX
Side View

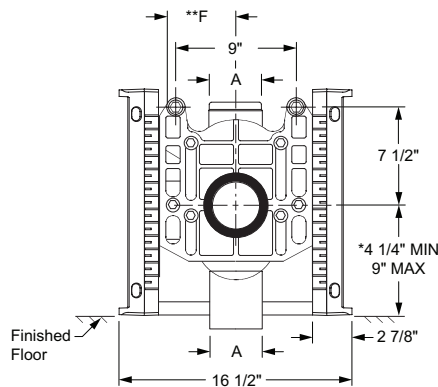


Fig. 0240Y-M54-XX
Front View

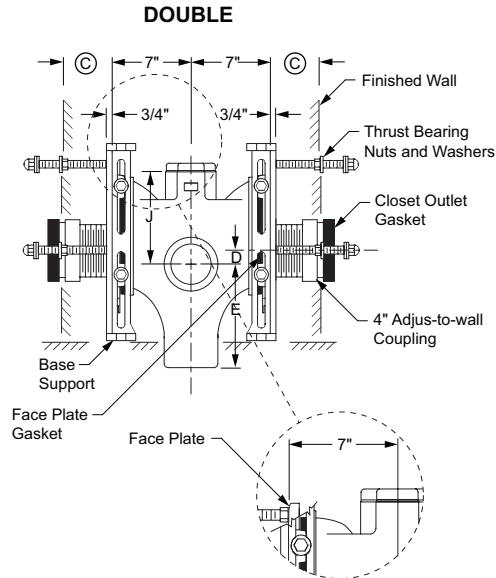


Fig. 0240DY-M54-XX
Side View

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: 1 1/2" or 2" tapped inlet available. Add suffix -N.

NOTE: *9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 4" regularly furnished consisting of nipple and
Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

**F dimension is from centerline of vent to centerline of stack.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			D		E	**F	H	J
			*04" X 04"	05" X 04"	06" X 04"	MIN.	MAX.				
NO-HUB	0240LY-M54-XX	Single-Left Hand with Side Inlet	6,261.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M54-XX	Single-Right Hand with Side Inlet	6,261.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M54-XX	Double-with Side Inlet	6,261.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M54-XX	Single-Left Hand with Side Inlet		6,932.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240RY-M54-XX	Single-Right Hand with Side Inlet		6,932.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240DY-M54-XX	Double-with Side Inlet		6,932.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240LY-M54-XX	Single-Left Hand with Side Inlet			7,525.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0240DY-M54-XX	Double-with Side Inlet			7,525.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0240Y-M54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

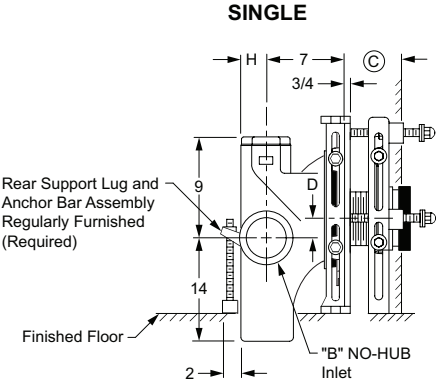


Fig. 0240Y-M58-M54-XK
Side View

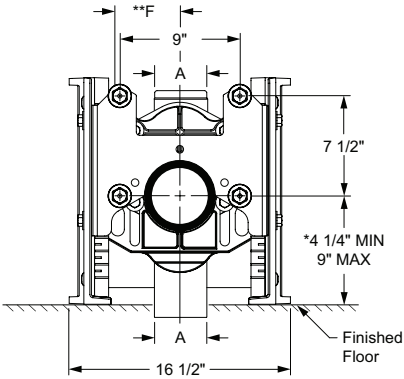


Fig. 0240Y-M58-M54-XK
Front View

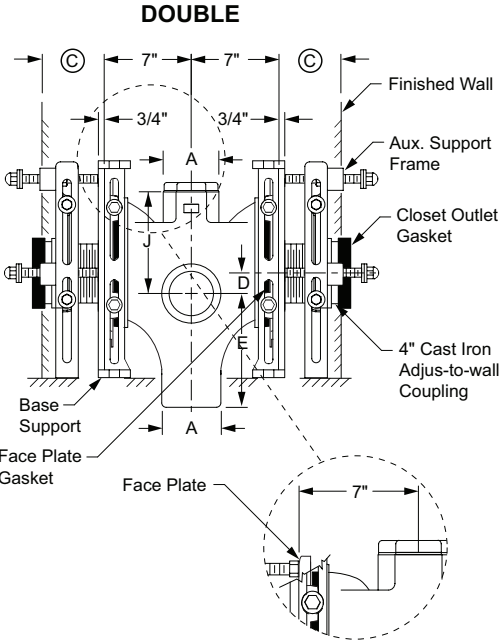


Fig. 0240DY-M58-M54-XK
Side View

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: 1 1/2 inch or 2 inch tapped inlet available. Add suffix -N.

NOTE: *9 inch core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 4 1/4 inch to 4 3/4 inch with regularly furnished 5 1/4 inch cast iron nipple.

**F dimension is from centerline of vent to centerline of stack.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			D		E	**F	H	J
			†04" X 04"	05" X 04"	06" X 04"	MIN.	MAX.				
NO-HUB	0240LY-M58/54-XK	Single-Left Hand with Side Inlet	8,444.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M58/54-XK	Single-Right Hand with Side Inlet	8,444.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M58/54-XK	Double-with Side Inlet	15,824.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M58/54-XK	Single-Left Hand with Side Inlet		9,115.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240RY-M58/54-XK	Single-Right Hand with Side Inlet		9,115.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240DY-M58/54-XK	Double-with Side Inlet		16,430.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240LY-M58/54-XK	Single-Left Hand with Side Inlet			9,705.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0240DY-M58/54-XK	Double-with Side Inlet			17,028.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2 inch anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2 inch anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0240Y-M58/54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

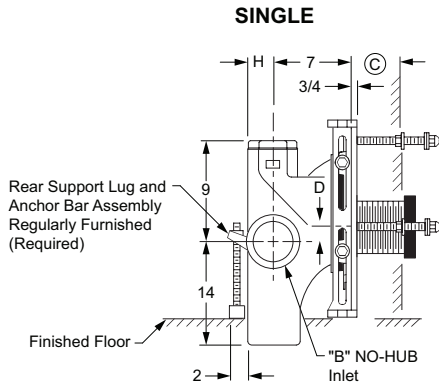


Fig. 0240Y-M58-M54-XX
Side View

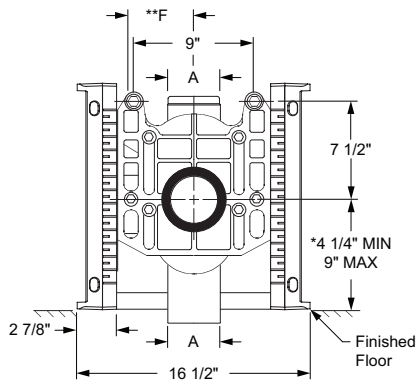


Fig. 0240Y-M58-M54-XX
FRONT VIEW

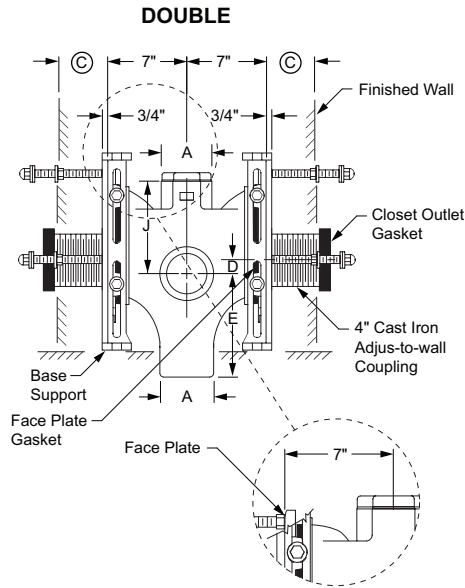


Fig. 0240DY-M58-M54-XX
Side View

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: 1 1/2" or 2" tapped inlet available. Add suffix -N.

NOTE: *9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 3 1/4" to 9 3/4" with regularly furnished 10" nipple. The threaded end of nipple must be cut to specified length required by others.

**F dimension is from centerline of vent to centerline of stack.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			D		E	**F	H	J
			*04" X 04"	05" X 04"	06" X 04"	MIN.	MAX.				
NO-HUB	0240LY-M58/54-XX	Single-Left Hand with Side Inlet	6,261.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M58/54-XX	Single-Right Hand with Side Inlet	6,261.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M58/54-XX	Double-with Side Inlet	6,261.00			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M58/54-XX	Single-Left Hand with Side Inlet		6,932.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240RY-M58/54-XX	Single-Right Hand with Side Inlet		6,932.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240DY-M58/54-XX	Double-with Side Inlet		6,932.00		1 1/2"	4 1/4"	11 1/2"	6 1/2"	2 3/4"	11 1/2"
	0240LY-M58/54-XX	Single-Left Hand with Side Inlet			7,525.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0240DY-M58/54-XX	Double-with Side Inlet			7,525.00	1 1/2"	4 1/4"	11 1/2"	6 1/4"	3 1/4"	11 1/2"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

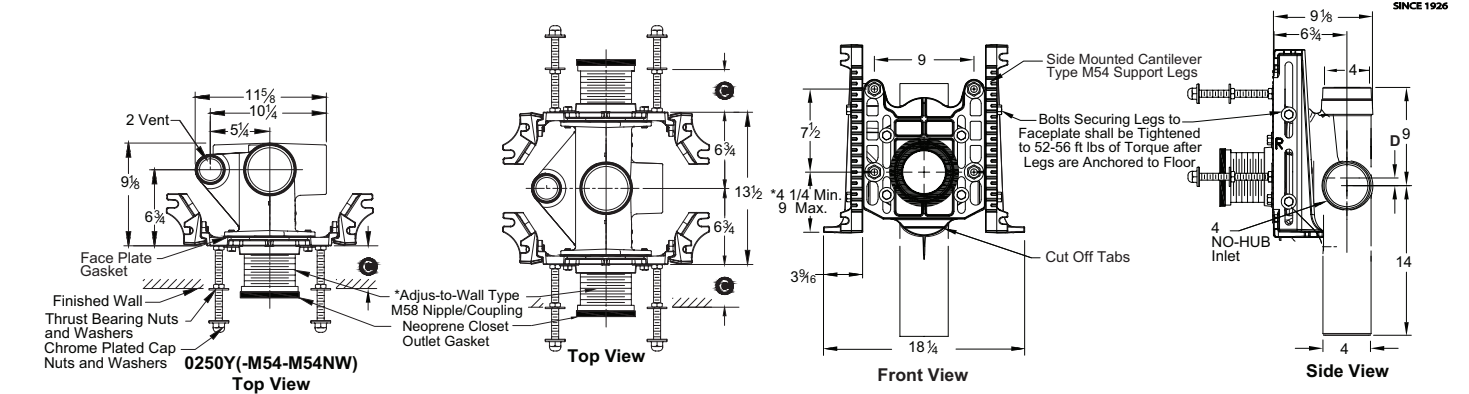
Jay R. Smith 0240Y-M58/54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0250Y-M54NW, 0250Y-M58-M54NW NARROW WALL VERTICAL FITTINGS FOR SIPHON JET WATER CLOSET SUPPORTS



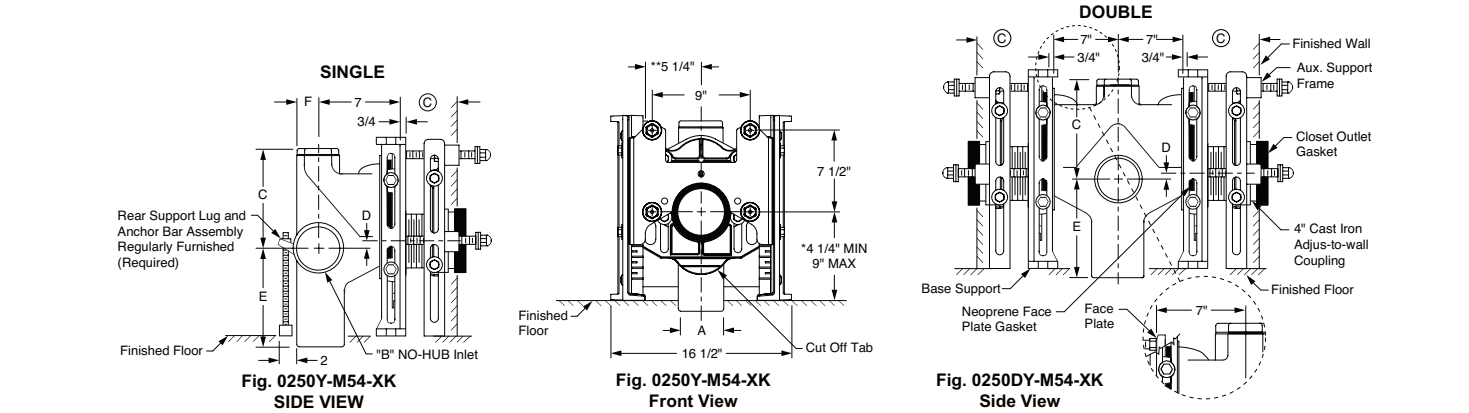
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D	
				MIN.	MAX.
NO-HUB	0250Y-M54NW	Single with Two Side Inlets	4,291.00	1 1/2"	4 1/4"
	0250DY-M54NW	Double with Two Side Inlets	6,674.00	1 1/2"	4 1/4"
	0250Y-M58-M54NW	Single with Two Side Inlets	4,291.00	1 1/2"	4 1/4"
	0250DY-M58-M54NW	Double with Two Side Inlets	6,674.00	1 1/2"	4 1/4"

*ABS (Regularly Furnished)

Conforms with the requirements of ASME A112.6.1M up to a 500lbs (227Kg) static load rating, without a rear anchor.

See submittals for complete information.

FIG. 0250Y-M54-XK VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH TWO SIDE INLETS BARIATRIC DUTY - 1000 LBS.



NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: Centerline of stack to end of NO-HUB side inlet is 5".

NOTE: "9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 4 1/4" to 5 1/4" with regularly furnished 4 1/2" cast iron nipple and Adjust-to-Wall coupling.

**Dimension is from centerline of vent to centerline of stack.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	†04" X 04"	A X B SIZE			C	D		E	F
				05" X 04"	06" X 04"			MIN.	MAX.		
NO-HUB	0250Y-M54-XK	Single-with Two Side Inlets	8,927.00				9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250DY-M54-XK	Double-with Two Side Inlets	16,304.00				9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250Y-M54-XK	Single-with Two Side Inlets		9,576.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M54-XK	Double-with Two Side Inlets		16,884.00			11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M54-XK	Single-with Two Side Inlets			10,124.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M54-XK	Double-with Two Side Inlets			17,487.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"

ADD FOR:		
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

Jay R. Smith 0250Y-M54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

NOTE: Service weight regularly furnished on fittings above.

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

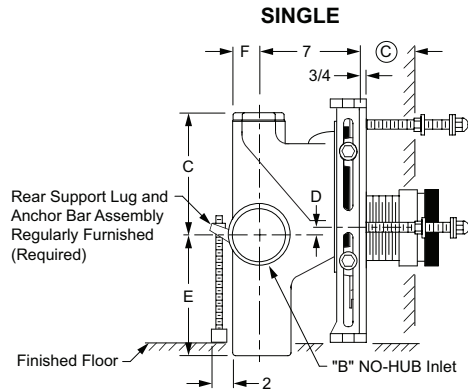


Fig. 0250Y-M54-XX
Side View

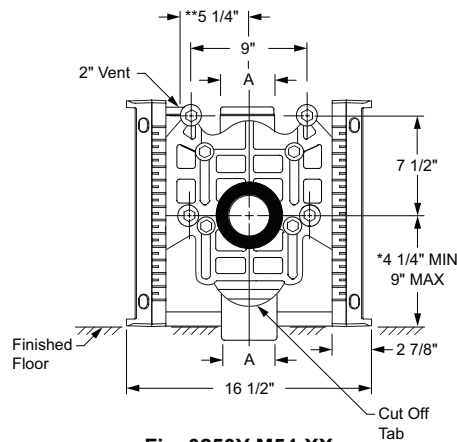


Fig. 0250Y-M54-XX
Front View

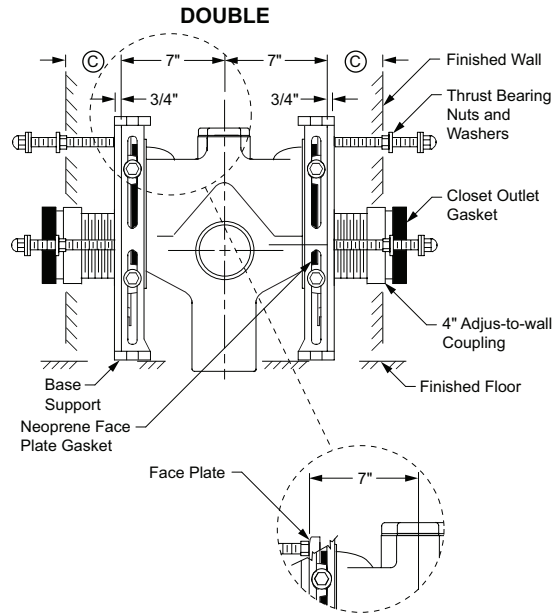


Fig. 0250DY-M54-XX
Side View

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: Centerline of stack to end of NO-HUB side inlet is 5".

NOTE: *9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			C	D		E	F
			104" X 04"	05" X 04"	06" X 04"		MIN.	MAX.		
NO-HUB	0250Y-M54-XX	Single-with Two Side Inlets	6,747.00			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250DY-M54-XX	Double-with Two Side Inlets	6,747.00			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250Y-M54-XX	Single-with Two Side Inlets		7,392.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M54-XX	Double-with Two Side Inlets		7,392.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M54-XX	Single-with Two Side Inlets			7,943.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M54-XX	Double-with Two Side Inlets			7,943.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

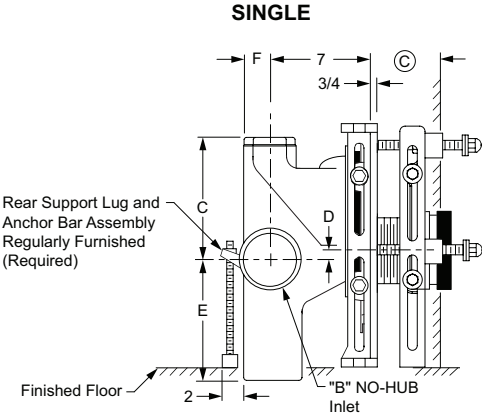
Jay R. Smith 0250Y-M54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

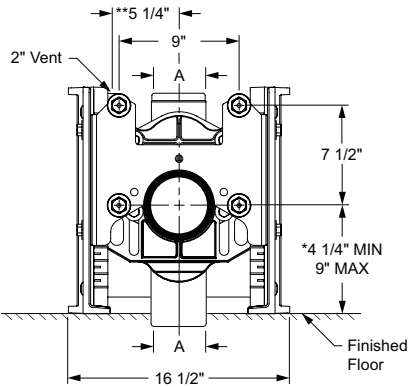
*REGULARLY FURNISHED

FIXTURE SUPPORTS

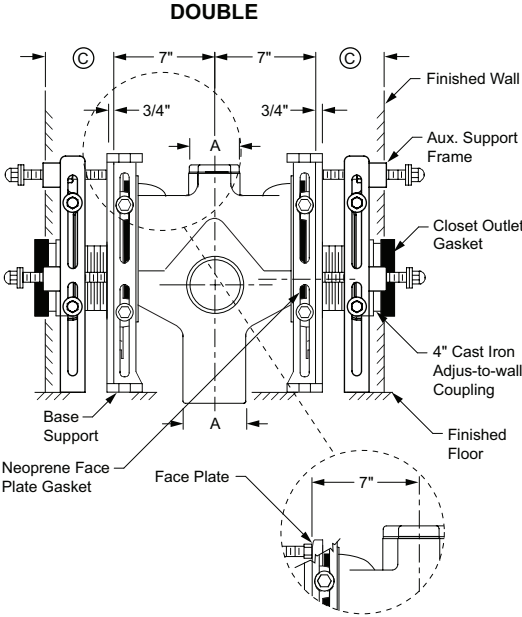
**FIG. 0250Y-M58/54-XK VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH TWO SIDE INLETS
BARIATRIC DUTY - 1000 LBS.**



**Fig. 0250Y-M58-M54-XK
Side View**



**Fig. 0250Y-M58-M54-XK
Front View**



**Fig. 0250DY-M58-M54-XK
Side View**

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: Centerline of stack to end of NO-HUB side inlet is 5" .

NOTE: *9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

© dimension = 4 1/4" - 4 3/4" with regularly furnished 5 1/4" nipple.

NOTE: **dimension is from centerline of vent to centerline of stack.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			C	D		E	F
			*04" X 04"	05" X 04"	06" X 04"		MIN.	MAX.		
NO-HUB	0250Y-M58/54-XK	Single-with Two Side Inlets	8,927.00			9"	11/2"	4 1/4"	14"	2 1/4"
	0250DY-M58/54-XK	Double-with Two Side Inlets	16,304.00			9"	11/2"	4 1/4"	14"	2 1/4"
	0250Y-M58/54-XK	Single-with Two Side Inlets		9,576.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M58/54-XK	Double-with Two Side Inlets		16,884.00		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M58/54-XK	Single-with Two Side Inlets			10,124.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M58/54-XK	Double-with Two Side Inlets			17,487.00	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0250Y-M58-M54-XK complies with and/or exceeds all requirements of ASME A112.6.1M up to 1000 lbs.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

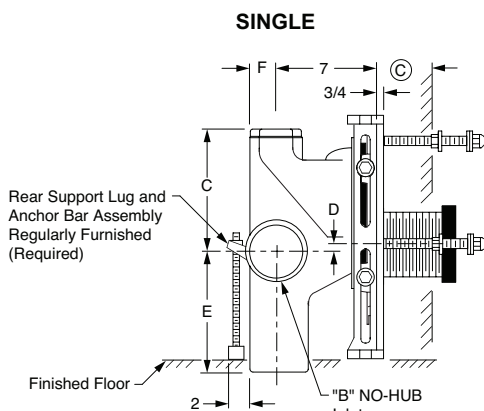


Fig. 0250Y-M58-M54-XX
Side View

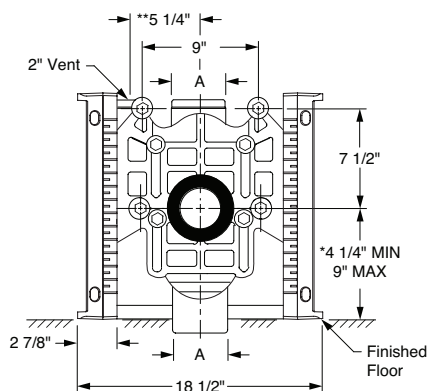


Fig. 0250Y-M58-M54-XX
Front View

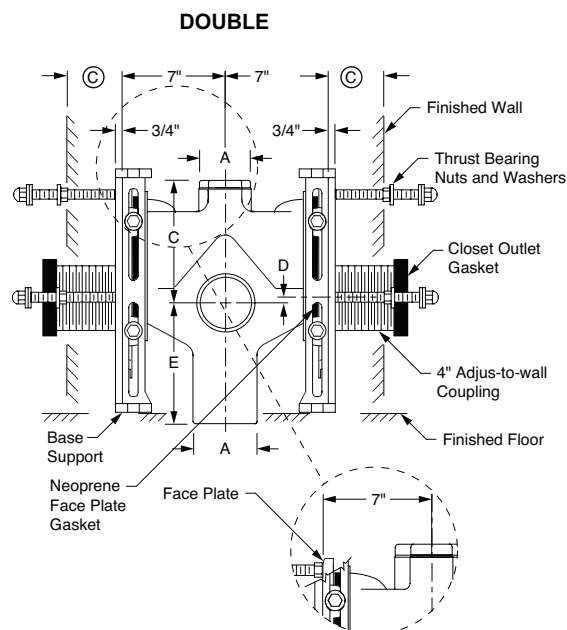


Fig. 0250DY-M58-M54-XX
Side View

NOTE: Shallower minimum rough-in dimension to accommodate lower rough bowls available. Specify dimension required.

NOTE: Centerline of stack to end of NO-HUB side inlet is 5".

NOTE: *9" core drilled hole is required for rough-in 4 1/4 thru 6 1/2.

NOTE: **dimension is from centerline of vent to centerline of stack.

© dimension = 3 1/4" - 9 3/4" with regularly furnished 10" nipple. The threaded end of nipple must be cut to specified length required by others.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE			C	D		E	F
			*04" X 04"	05" X 04"	06" X 04"		MIN.	MAX.		
NO-HUB	0250Y-M58/54-XX	Single-with Two Side Inlets	6,747.00			9"	11/2"	4 1/4"	14"	2 1/4"
	0250DY-M58/54-XX	Double-with Two Side Inlets	6,747.00			9"	11/2"	4 1/4"	14"	2 1/4"
	0250Y-M58/54-XX	Single-with Two Side Inlets		7,392.00		11 1/2"	11/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M58/54-XX	Double-with Two Side Inlets		7,392.00		11 1/2"	11/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M58/54-XX	Single-with Two Side Inlets			7,943.00	11 1/2"	11/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M58/54-XX	Double-with Two Side Inlets			7,943.00	11 1/2"	11/2"	4 1/4"	11 1/2"	3 1/4"

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Base support must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 500 lbs. The rear anchor bar must be securely anchored to floor with 1/2" anchors able to withstand a pull-out force of 1000 lbs. Pull-out forces are calculated values, no safety factor has been applied.

Jay R. Smith 0250Y-M58-M54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

NOTE: Service weight regularly furnished on fittings above.

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

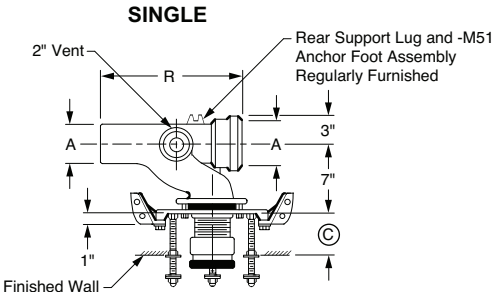


Fig. 0315R
 Top View

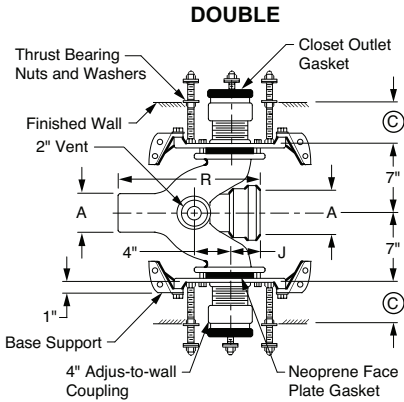


Fig. 0315D
 Top View

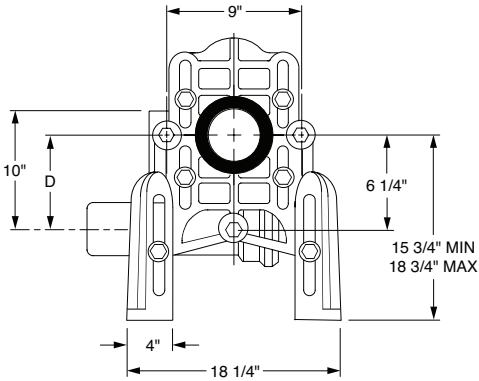


Fig. 0315
 Front View

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: Base support must be securely anchored to floor with four 1/2 inch bolts provided by contractor.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE 1/4"	D		J	R	APPROX. WT. LBS.
				MIN.	MAX.			
CAULK	0315L	Single-Left Hand Hi-Set	2,473.00	4 5/8"	8 5/8"	3 3/8"	16"	70
	0315R	Single-Right Hand Hi-Set	2,473.00	4 5/8"	8 5/8"	3 3/8"	16"	70
	0315D	Double-Hi-Set	4,628.00	4 5/8"	8 5/8"	3 3/8"	16"	134
NO-HUB	0315LY	Single-Left Hand Hi-Set	2,473.00	4 5/8"	8 5/8"	4"	14"	70
	0315RY	Single-Right Hand Hi-Set	2,473.00	4 5/8"	8 5/8"	4"	14"	70
	0315DY	Double-Hi-Set	4,628.00	4 5/8"	8 5/8"	4"	14"	134

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

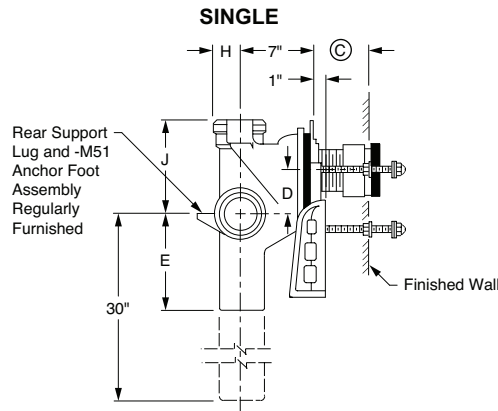


Fig. 0330
Side View

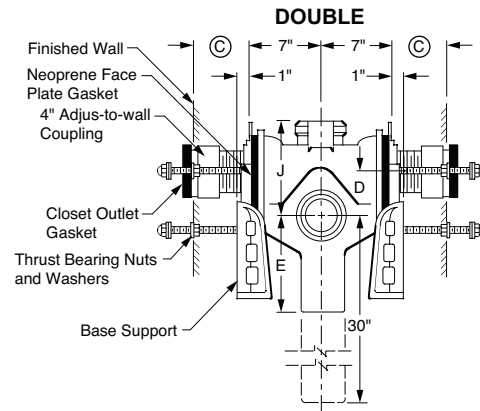


Fig. 0330D
Side View

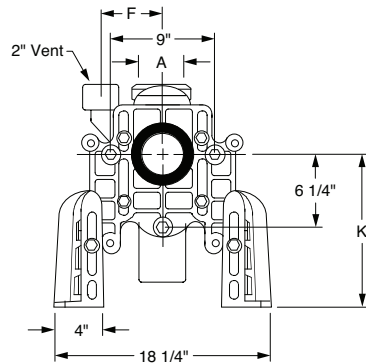


Fig. 0330

NOTE: Base support must be securely anchored to floor with four 1/2" bolts provided by contractor.

NOTE: 1 1/2" or 2" tapped inlet available. Add suffix -N.

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and adjus-to-wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE			D		E	F	H	J	K		APPROX. WT. LBS.
			†04"	05"	06"	MIN.	MAX.					MIN.	MAX.	
CAULK	0330	Single	2,943.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	98
	0330D	Double	5,080.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	135
	0330	Single		3,693.00		2 7/8"	5 3/4"	11 1/2"	6 1/4"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	98
	0330D	Double		5,875.00		2 7/8"	5 3/4"	11 1/2"	6 1/4"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	135
	0330	Single			4,338.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	98
	0330D	Double			6,486.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	135
			†04" X 04"	05" X 04" OR 05"	06" X 04"									
CAULK	0360	Single Long Barrel	4,406.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	117
	0360D	Double Long Barrel	6,558.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	154
	0360	Single Long Barrel		8,150.00		2 7/8"	5 3/4"	11 1/2"	6 1/4"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	117
	0360D	Double Long Barrel		10,326.00		2 7/8"	5 3/4"	11 1/2"	6 1/4"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	154
	0360	Single Long Barrel			9,573.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	117
	0360D	Double Long Barrel			11,721.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	154

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B.

If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

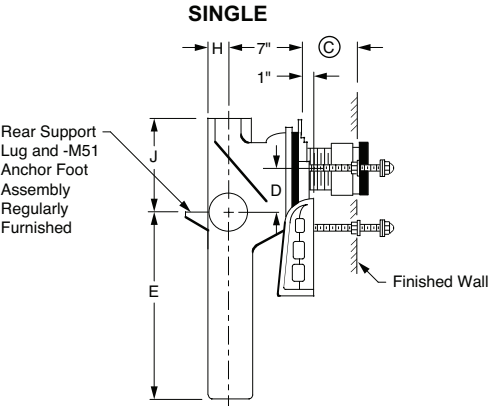


Fig. 0330Y
Side View

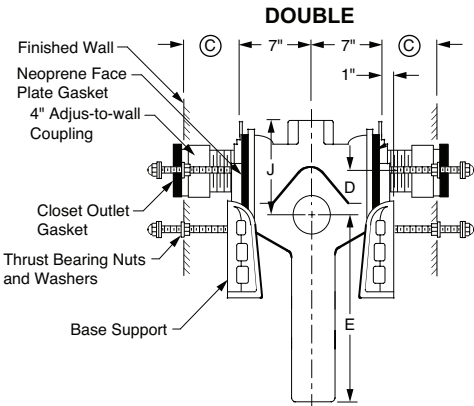


Fig. 0330DY
Side View

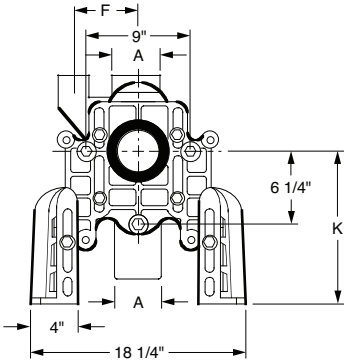


Fig. 0330Y
Front View

NOTE: Base support must be securely anchored to floor with four 1/2" bolts provided by contractor.

NOTE: 1 1/2" or 2" tapped inlet available.

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

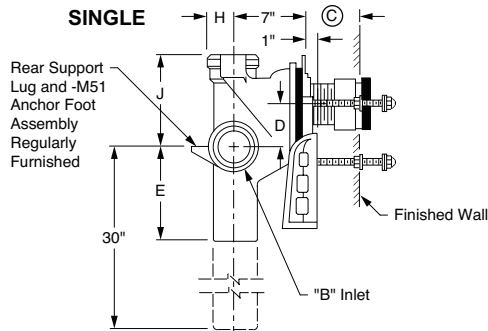
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE			D		E	F	H	J	K		APPROX. WT. LBS.
			+04"	05"	06"	MIN.	MAX.					MIN.	MAX.	
NO-HUB	0330Y	Single	2,808.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	76
	0330DY	Double	4,959.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	122
	0330Y	Single		3,494.00		2 7/8"	5 3/4"	11 1/2"	6 1/4"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	76
	0330DY	Double		5,575.00		2 7/8"	5 3/4"	11 1/2"	6 1/4"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	122
	0330Y	Single			4,071.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	76
	0330DY	Double			6,155.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	122

		ADD FOR:	
		SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)		156.00	312.00
Type 2 Female Coupling		66.00	132.00
Type 2M Male Coupling		66.00	132.00
M13 Finishing Frame		125.00	250.00

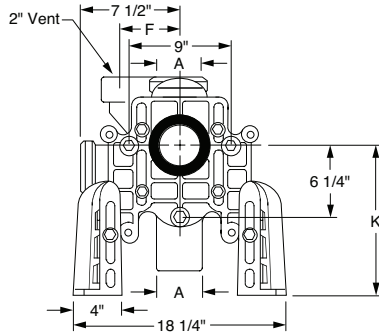
The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

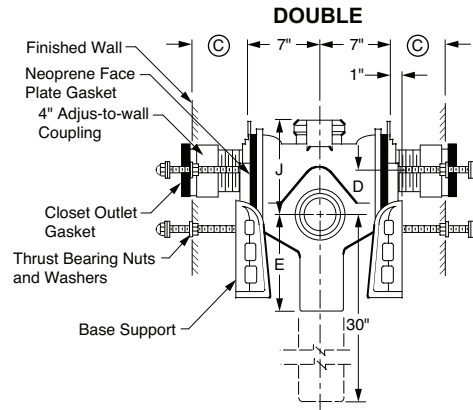
*REGULARLY FURNISHED



**Fig. 0340
Side View**



**Fig. 0340
Front View**



**Fig. 0340D
Side View**

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: 1 1/2 or 2" NPT inlet available. Add suffix -N

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	1/4" X 04"	A X B SIZE 05" X 04" OR 05"	06" X 04"	D		E	F	H	J	K		APPROX. WT. LBS.
						MIN.	MAX.					MIN.	MAX.	
CAULK	0340L	Single-Left Hand with Side Hub Inlet	3,410.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	87
	0340R	Single-Right Hand with Side Hub Inlet	3,410.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	87
	0340D	Double-with Side Hub Inlet	5,547.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	139
	0340L	Single-Left Hand with Side Hub Inlet		4,198.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	87
	0340R	Single-Right Hand with Side Hub Inlet		4,198.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	87
	0340D	Double-with Side Hub Inlet		6,353.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	139
	0340L	Single-Left Hand with Side Hub Inlet			4,813.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	87
	0340R	Single-Right Hand with Side Hub Inlet			4,813.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	87
	0340D	Double-with Side Hub Inlet			6,963.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	139
	0350	Single-with Two Side Hub Inlets	3,890.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	100
	0350D	Double-with Two Side Hub Inlets	6,028.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	144
	0350	Single-with Two Side Hub Inlets		4,683.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	100
	0350D	Double-with Two Side Hub Inlets		6,838.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	144
	0350	Single-with Two Side Hub Inlets			5,297.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	100
	0350D	Double-with Two Side Hub Inlets			7,451.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	144
	0370L	Single-Left Hand with Side Hub Inlet-Long Barrel	4,892.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	116
	0370R	Single-Right Hand with Side Hub Inlet-Long Barrel	4,892.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	116
	0370D	Double-with Side Hub Inlet-Long Barrel	7,029.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	158
	0370L	Single-Left Hand with Side Hub Inlet-Long Barrel		8,648.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	116
	0370R	Single-Right Hand with Side Hub Inlet-Long Barrel		8,648.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	116
	0370D	Double-with Side Hub Inlet-Long Barrel		10,809.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	158
	0370L	Single-Left Hand with Side Hub Inlet-Long Barrel			10,049.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	116
	0370R	Single-Right Hand with Side Hub Inlet-Long Barrel			10,049.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	116
	0370D	Double-with Side Hub Inlet-Long Barrel			12,202.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	158
	0380	Single-with Two Side Hub Inlets-Long Barrel	5,368.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	119
	0380D	Double-with Two Side Hub Inlets-Long Barrel	7,511.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	163
	0380	Single-with Two Side Hub Inlets-Long Barrel		9,126.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	119
	0380D	Double-with Two Side Hub Inlets-Long Barrel		11,286.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	163
	0380	Single-with Two Side Hub Inlets-Long Barrel			10,525.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	119
	0380D	Double-with Two Side Hub Inlets-Long Barrel			12,683.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	163

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

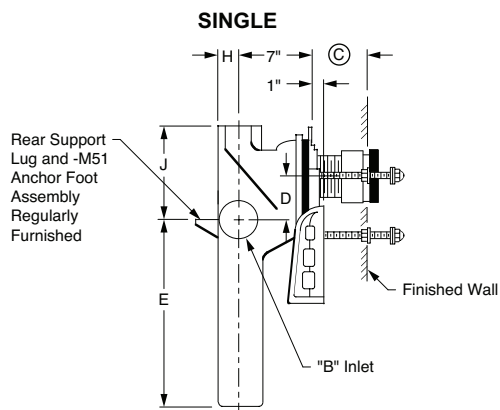


Fig. 0340Y
Side View

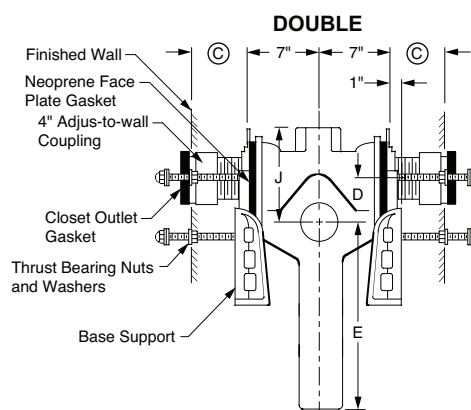


Fig. 0340DY
Side View

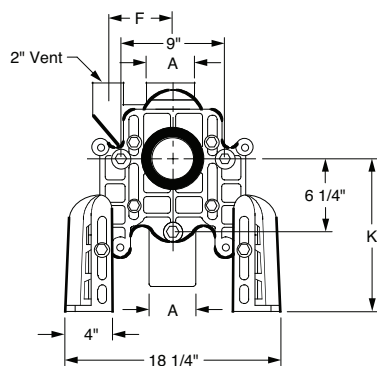


Fig. 0340Y
Front View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: Centerline of stack to end of NO-HUB side inlet in 5".

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: 1 1/2" or 2" NPT inlet available. Add suffix -N

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	1/4" X 04"	A X B SIZE 05" X 04" OR 05"	06" X 04"	D		E	F	H	J	K		APPROX. WT. LBS.
						MIN.	MAX.					MIN.	MAX.	
NO-HUB	0340LY	Single-Left Hand with Side Inlet	3,284.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	76
	0340RY	Single-Right Hand with Side Inlet	3,284.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	76
	0340DY	Double-with Side Inlet	5,427.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	122
	0340LY	Single-Left Hand with Side Inlet		3,952.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	76
	0340RY	Single-Right Hand with Side Inlet		3,952.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	76
	0340DY	Double-with Side Inlet		6,032.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	122
	0340LY	Single-Left Hand with Side Inlet			4,546.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	76
	0340RY	Single-Right Hand with Side Inlet			4,546.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	76
	0340DY	Double-with Side Inlet			6,631.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	122
	0350Y	Single-with Two Side Inlets	3,769.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	76
	0350DY	Double-with Two Side Inlets	5,907.00			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	122
	0350Y	Single-with Two Side Inlets		4,415.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	76
	0350DY	Double-with Two Side Inlets		6,489.00		2 7/8"	5 3/4"	11 1/2"	6 1/2"	3 1/2"	11 1/2"	10 3/4"	15 3/4"	122
	0350Y	Single-with Two Side Inlets			4,965.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	76
	0350DY	Double-with Two Side Inlets			7,090.00	2 3/4"	5 1/2"	11 1/2"	6 1/4"	4"	11 1/2"	10 3/4"	15 3/4"	122

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

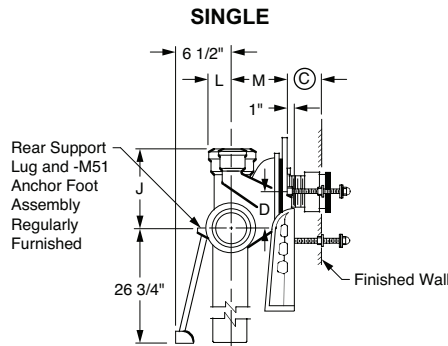


Fig. 0375
Side View

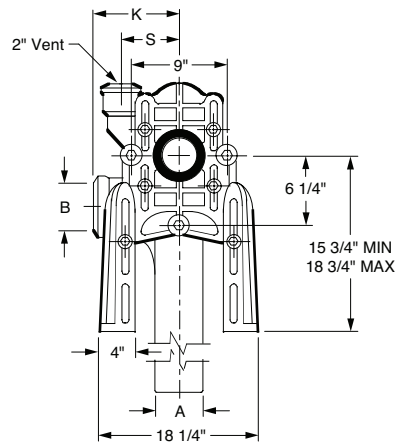


Fig. 0375
Front View

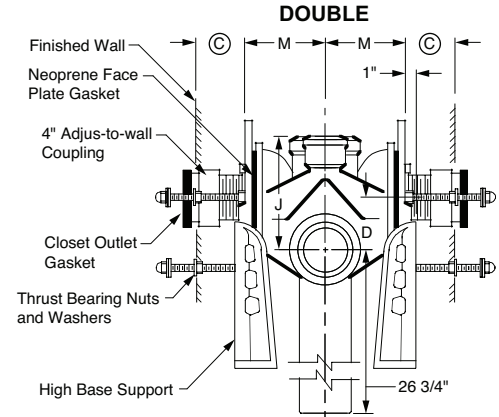


Fig. 0375D
Side View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: 1 1/2" or 2" NPT inlet available. Add suffix -N

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE +04" X 04"	D		J	K	L	M	S	APPROX. WT. LBS.
				MIN.	MAX.						
CAULK	0375L	Single-Left Hand Hi-Set with Side Inlet	5,253.00	4 3/4"	8 3/4"	12 1/8"	7 1/2"	3"	7"	5 1/4"	110
	0375R	Single-Right Hand Hi-Set with Side Inlet	5,253.00	4 3/4"	8 3/4"	12 1/8"	7 1/2"	3"	7"	5 1/4"	110
	0375D	Double-Hi-Set with Side Inlet	7,567.00	4 3/4"	8 3/4"	12 1/8"	7 1/2"	3"	7"	5 1/4"	111
	0385	Single-Hi-Set with Two Side Inlets	5,727.00	4 3/4"	8 3/4"	12 1/8"	7 1/2"	3"	7"	5 1/4"	50
	0385D	Double-Hi-Set with Two Side Inlets	7,893.00	4 3/4"	8 3/4"	12 1/8"	7 1/2"	3"	7"	5 1/4"	141
NO-HUB	0375LY	Single-Left Hand Hi-Set with Side Inlet	5,253.00	4 3/4"	8 3/4"	-	-	-	-	-	110
	0375RY	Single-Right Hand Hi-Set with Side Inlet	5,253.00	4 3/4"	8 3/4"	-	-	-	-	-	110
	0375DY	Double-Hi-Set with Side Inlet	7,567.00	4 3/4"	8 3/4"	-	-	-	-	-	111
	0385Y	Single-Hi-Set with Two Side Inlets	5,727.00	4 3/4"	8 3/4"	-	-	-	-	-	50
	0385DY	Double-Hi-Set with Two Side Inlets	7,893.00	4 3/4"	8 3/4"	-	-	-	-	-	141

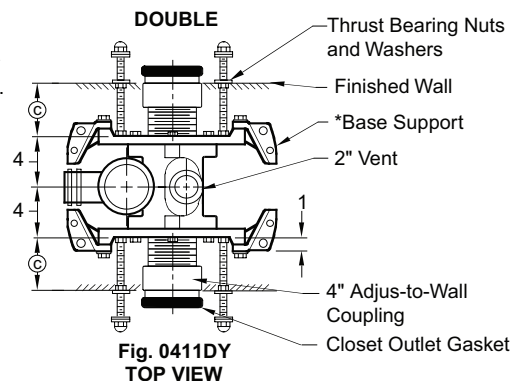
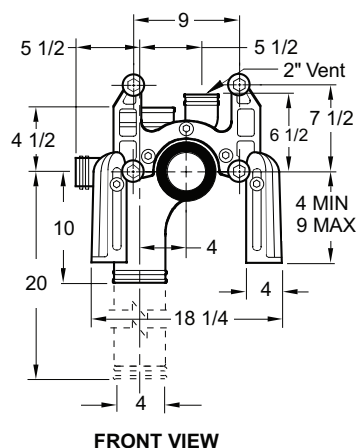
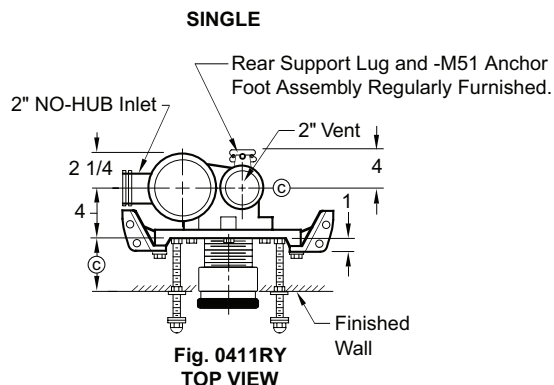
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0410, 0411, 0417, 0419 SERIES COMPACT FIXTURE SUPPORTS WITH VERTICAL OFFSET FITTINGS FOR SIPHON JET WATER CLOSETS



***NOTE:** Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04"***	APPROX. WT. LBS.
CAULK	0410L	Single-Left Hand	2,225.00	70
	0410R	Single-Right Hand	2,225.00	70
	0410D	Double	3,812.00	70
	0417L	Single-Left Hand-Long Barrel	2,225.00	70
	0417R	Single-Right Hand-Long Barrel	2,225.00	70
	0417D	Double-Long Barrel	3,812.00	96
	0419L	Single-Left Hand with One Sanitary Inlet-Long Barrel	4,392.00	79
	0419R	Single-Right Hand with One Sanitary Inlet-Long Barrel	4,392.00	79
	0419D	Double with One Sanitary Inlet-Long Barrel	5,983.00	96
NO-HUB	0410LY	Single-Left Hand	2,225.00	70
	0410RY	Single-Right Hand	2,225.00	70
	0410DY	Double	3,812.00	70
	0411LY	Single-Left Hand with One Sanitary Inlet	2,793.00	56
	0411RY	Single-Right Hand with One Sanitary Inlet	2,793.00	56
	0411DY	Double with One Sanitary Inlet	4,381.00	82
	0417LY	Single-Left Hand-Long Barrel	2,225.00	70
	0417RY	Single-Right Hand-Long Barrel	2,225.00	70
	0417DY	Double-Long Barrel	3,812.00	96
	0419LY	Single-Left Hand with One Sanitary Inlet-Long Barrel	2,789.00	52
	0419RY	Single-Right Hand with One Sanitary Inlet-Long Barrel	2,789.00	52
	0419DY	Double with One Sanitary Inlet-Long Barrel	4,376.00	82

*Add \$563.00 for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.

NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

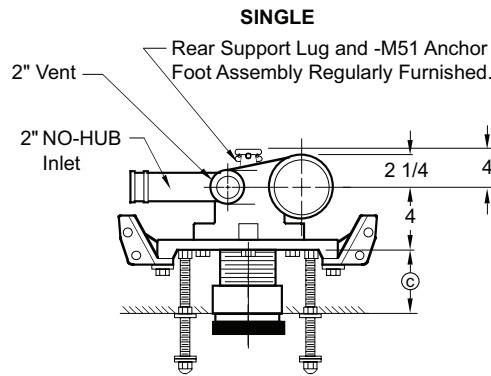


Fig. 0415LY
Top View

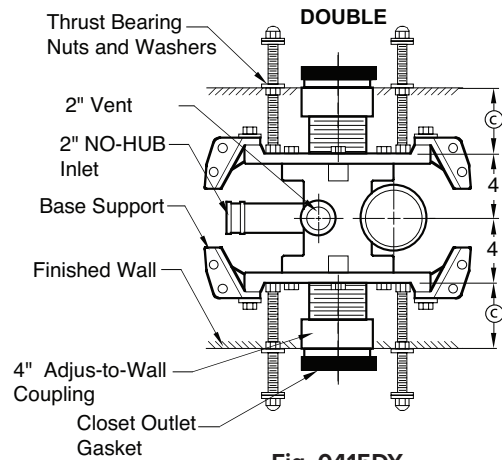
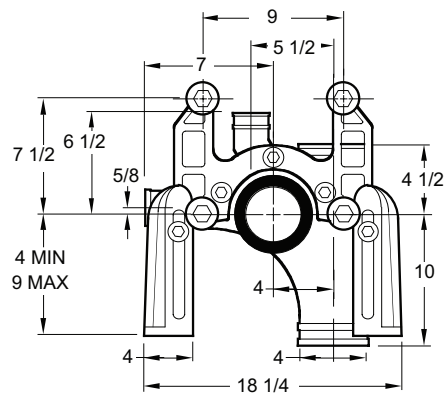


Fig. 0415DY
Top View



Front View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Side inlet 1 1/2" or 2" N.P.T. or 2" caulk (specify type and size).

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

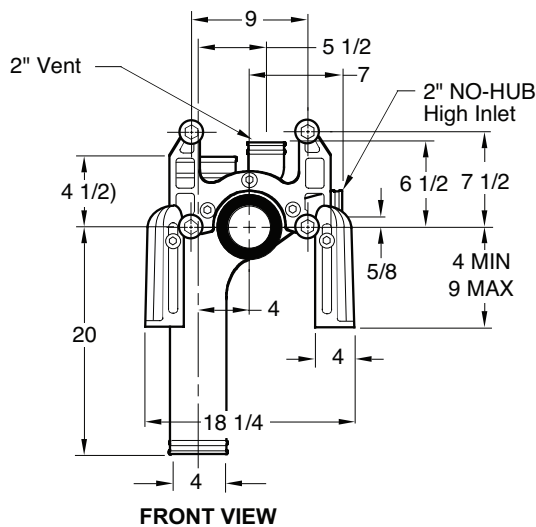
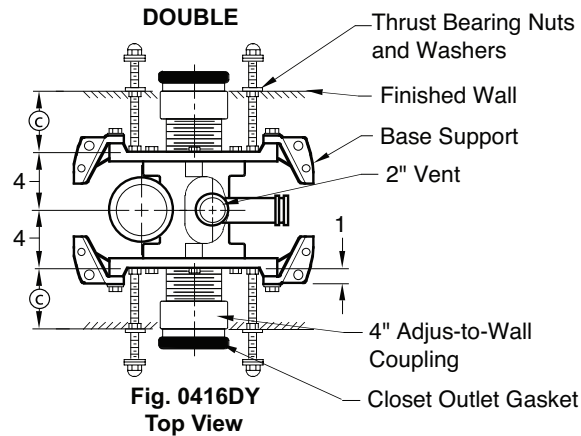
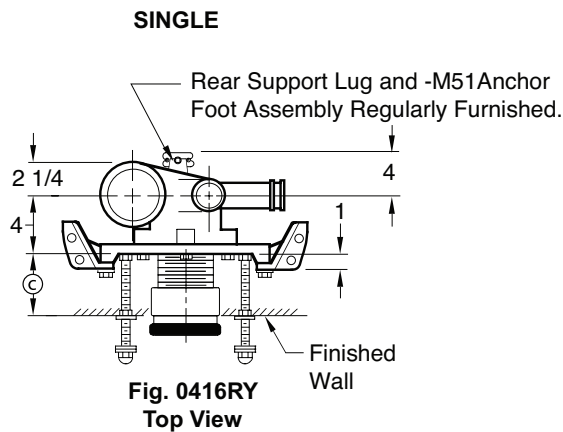
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	STACK SIZE †04”**	APPROX. WT. LBS.
NO-HUB	0415LY	Single-Left Hand with One Sanitary Inlet	2,793.00	77
	0415RY	Single-Right Hand with One Sanitary Inlet	2,793.00	77
	0415DY	Double-with One Sanitary Inlet	4,381.00	101

*Add \$**563.00** for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED



NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE 104***	APPROX. WT. LBS.
NO-HUB	0416LY	Single-Left Hand with One High Sanitary Inlet on Vent Side	3,077.00	57
	0416RY	Single-Right Hand with One High Sanitary Inlet on Vent Side	3,077.00	57
	0416DY	Double-with One High Sanitary Inlet on Vent Side	4,667.00	85

**Add \$563.00 for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

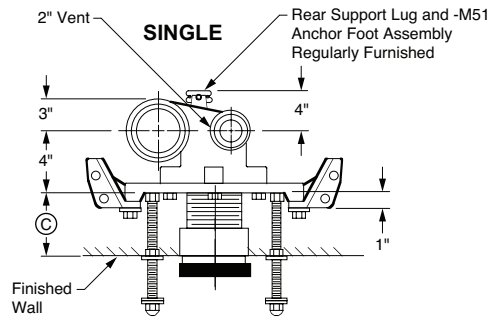


Fig. 0430
Top View

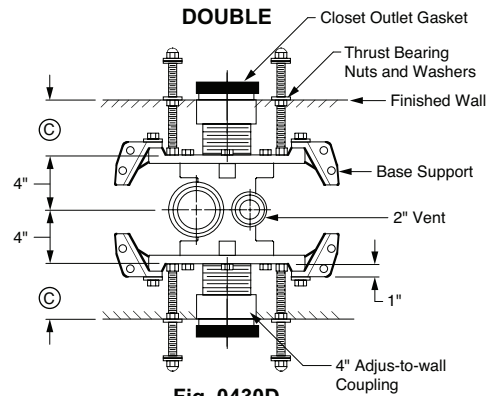


Fig. 0430D
Top View

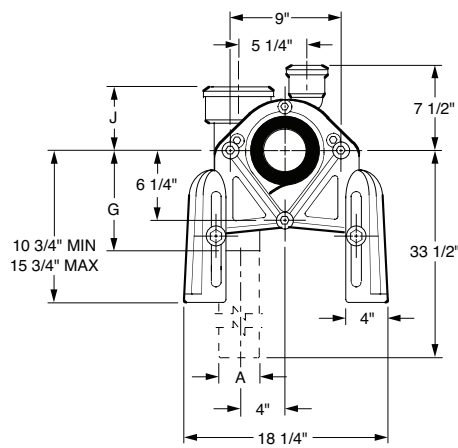


Fig. 0430
Front View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE '04"*	G	J	APPROX. WT. LBS.
CAULK	0430L	Single-Left Hand	2,225.00	8"	5 1/2"	70
	0430R	Single-Right Hand	2,225.00	8"	5 1/2"	70
	0430D	Double	3,812.00	8"	5 1/2"	70
	0437L	Single-Left Hand-Long Barrel	2,225.00	8"	5 1/2"	70
	0437R	Single-Right Hand-Long Barrel	2,225.00	8"	5 1/2"	70
NO-HUB	0430LY	Single-Left Hand	2,225.00	10"	4 1/2"	70
	0430RY	Single-Right Hand	2,225.00	10"	4 1/2"	70
	0430DY	Double	3,812.00	10"	4 1/2"	70
	0437LY	Single-Left Hand-Long Barrel	2,225.00	10"	4 1/2"	70
	0437RY	Single-Right Hand-Long Barrel	2,225.00	10"	4 1/2"	70
	0437DY	Double-Long Barrel	3,812.00	10"	4 1/2"	96

*Add \$563.00 for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

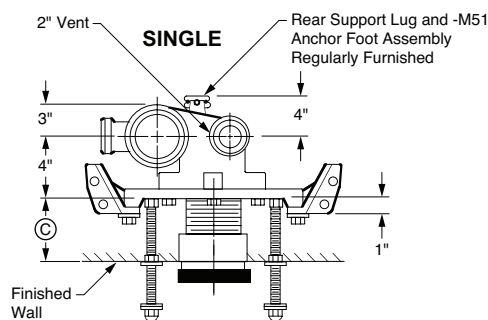


Fig. 0431
Top View

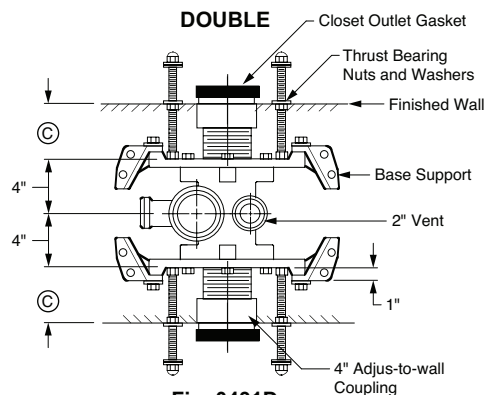


Fig. 0431D
Top View

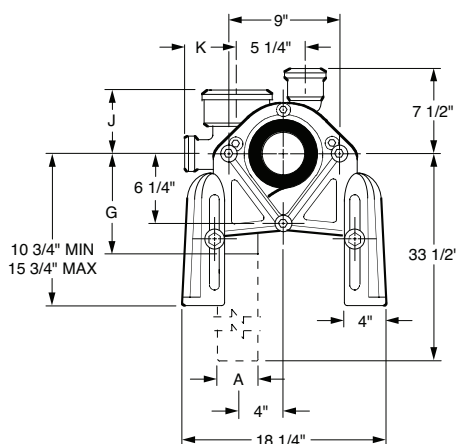


Fig. 0431
Front View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Side inlet 1 1/2" or 2" N.P.T. or 2" caulk (specify type and size)

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE 1/4"*	G	J	K	APPROX. WT. LBS.
CAULK	0431L	Single-Left Hand with One Sanitary Inlet	2,793.00	8"	5 1/2"	7"	56
	0431R	Single-Right Hand with One Sanitary Inlet	2,793.00	8"	5 1/2"	7"	56
	0431D	Double with One Sanitary Inlet	4,381.00	8"	5 1/2"	7"	82
NO-HUB	0431LY	Single-Left Hand with One Sanitary Inlet	2,793.00	8"	4 1/2"	5 1/2"	56
	0431RY	Single-Right Hand with One Sanitary Inlet	2,793.00	8"	4 1/2"	5 1/2"	56
	0431DY	Double with One Sanitary Inlet	4,381.00	8"	4 1/2"	5 1/2"	82

*Add **\$563.00** for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

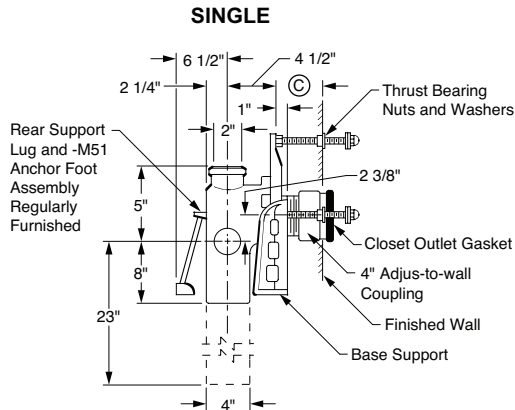


Fig. 0440
Side View

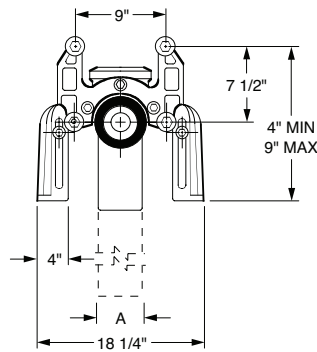


Fig. 0440, 0450
Front View

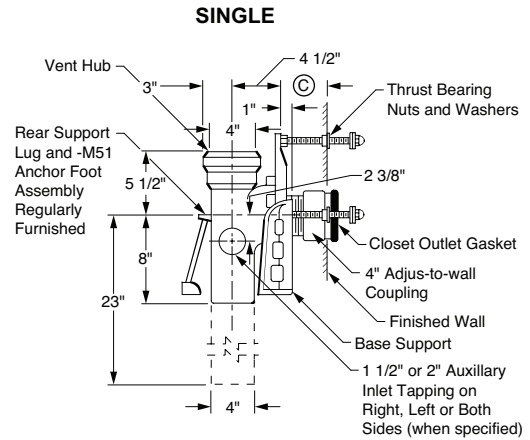


Fig. 0450
Side View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

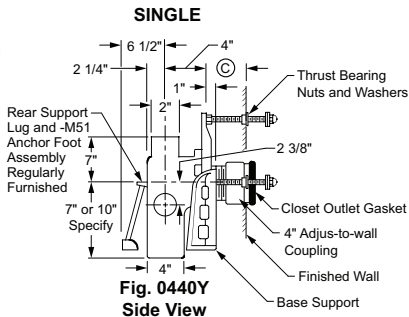
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04***	APPROX. WT. LBS.
CAULK	0440	Single-with Vent-Short Barrel	2,225.00	42
	0447	Single-with 2" Vent-Long Barrel	2,225.00	58
	0450	Single-with 4" Vent-Short Barrel	2,225.00	47
	0457	Single-with 4" Vent-Long Barrel	2,225.00	70

*Add \$563.00 for each additional auxiliary tapping.

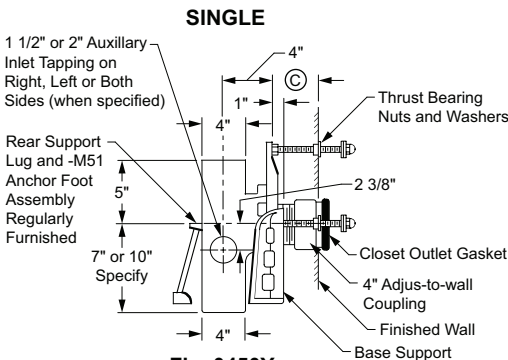
	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

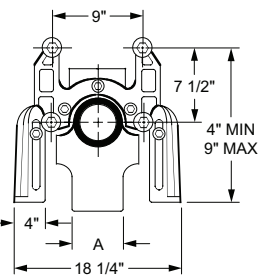
†REGULARLY FURNISHED



**Fig. 0440Y
Side View**



**Fig. 0450Y
Side View**



**Fig. 0440Y, 0450Y
Front View**



OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04***	APPROX. WT. LBS.
CAULK	0440Y	Single-with 2" Vent-Short Barrel	2,225.00	38
	0447Y	Single-with 2" Vent-Long Barrel	2,225.00	58
	0450Y	Single-with 4" Vent-Short Barrel	2,225.00	41
	0457Y	Single-with 4" Vent-Long Barrel	2,225.00	61

*Add \$563.00 for each additional auxiliary tapping.

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

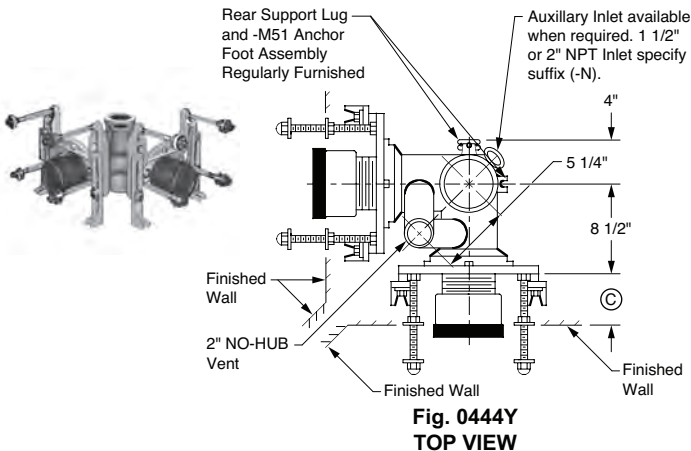
NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

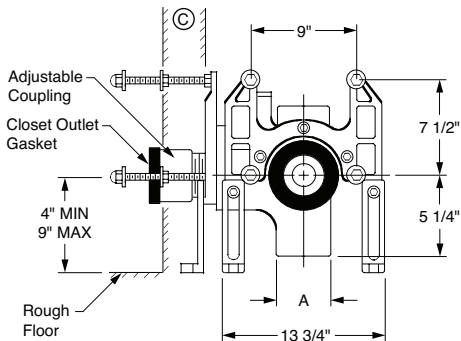
NOTE: When required a 2" NO-HUB Aux. Inlet adaptor is available. Specify Suffix -NY

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

FIG. 0444, 0444Y, VERTICAL CENTER LINE FITTINGS FOR SIPHON JET WATER CLOSETS AT RIGHT ANGLES



**Fig. 0444Y
TOP VIEW**



**Fig. 0444Y
Front View**

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04***	APPROX. WT. LBS.
CAULK	0444	Double-90° with 2" Vent-Short Barrel	6,746.00	77
NO-HUB	0444Y	Double-90° with 2" Vent-Short Barrel	6,746.00	77

*Add \$563.00 for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

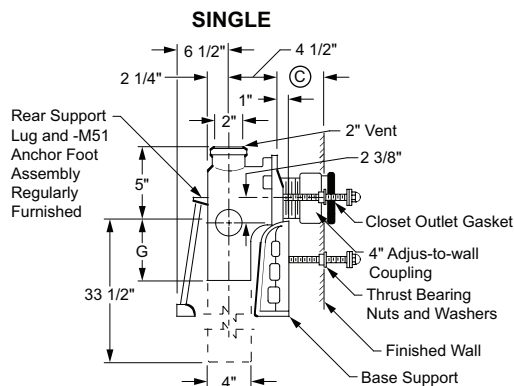


Fig. 0480
Side View

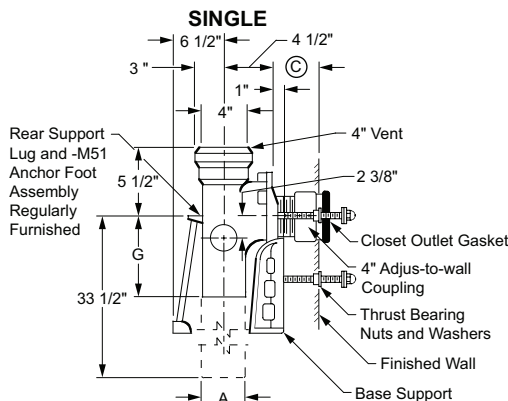


Fig. 0490
Side View

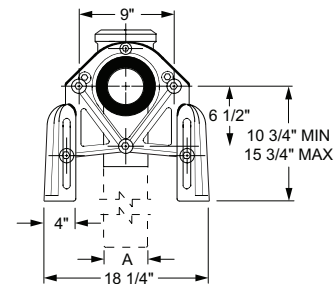


Fig. 0490
FRONT VIEW

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04**	G	APPROX. WT. LBS.
CAULK	0480	Single-with 2" Vent-Short Barrel	2,225.00	8"	38
	0490	Single-with 4" Vent-Short Barrel	2,225.00	8"	41
NO-HUB	0480Y	Single-with 2" Vent-Short Barrel	2,225.00	10"	38
	0490Y	Single-with 4" Vent-Short Barrel	2,225.00	10"	41

*Add \$563.00 for each additional auxiliary tapping.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Side inlet 1 1/2" or 2" N.P.T. or 2" caulk (specify type and size).

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

FIG. 0484, 0484Y, VERTICAL CENTER LINE FITTINGS FOR BLOWOUT WATER CLOSETS AT RIGHT ANGLES

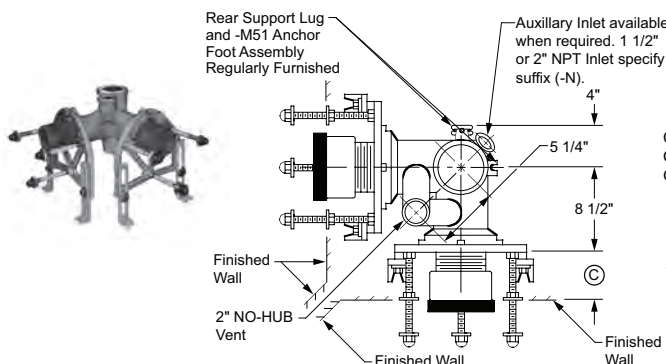


Fig. 0484Y
Top View

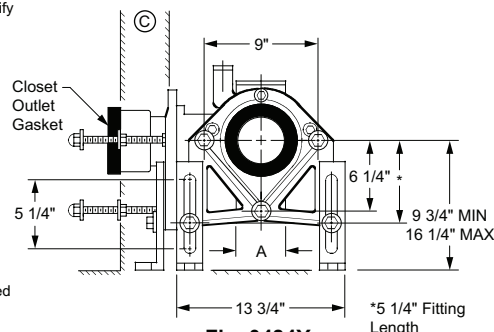


Fig. 0484Y
Front View

NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04**	APPROX. WT. LBS.
CAULK	0484	Double-90° with 2" Vent-Short Barrel	6,746.00	77
NO-HUB	0484Y	Double-90° with 2" Vent-Short Barrel	6,746.00	77

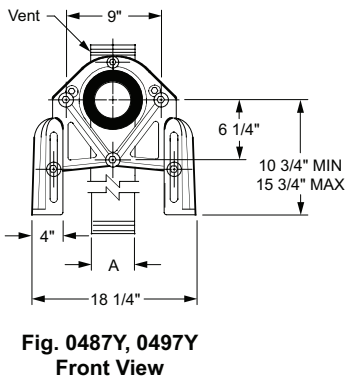
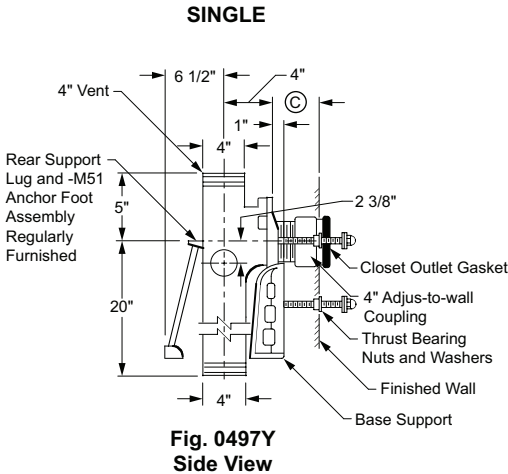
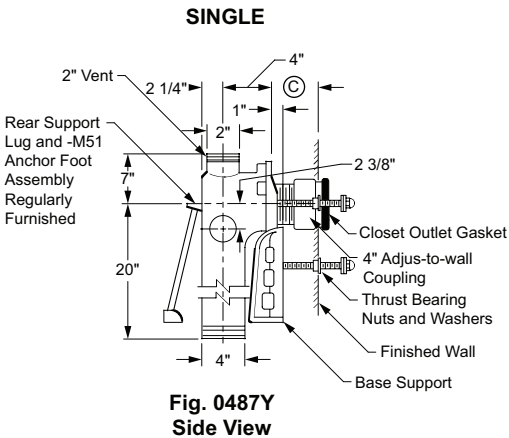
*Add \$563.00 for each additional auxiliary tapping.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED



NOTE: Base support must be securely anchored to floor (with four 1/2" bolts provided by contractor).

NOTE: When used with concealed flush valve locate face plate behind supply pipe.

NOTE: © dimension = 4" (regularly furnished) consisting of nipple and Adjust-to-Wall coupling permitting adjustment from 3" min. to 4" max.

NOTE: Side inlet 1 1/2" or 2" N.P.T. or 2" caulk (specify type and size).

NOTE: When required a 2" NO-HUB Aux. Inlet adaptor is available. Specify Suffix -NY

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04***	APPROX. WT. LBS.
CAULK	0487	Single-with 2" Vent-Long Barrel	2,225.00	58
	0497	Single-with 4" Vent-Long Barrel	2,225.00	61
NO-HUB	0487Y	Single-with 2" Vent-Long Barrel	2,225.00	58
	0497Y	Single-with 4" Vent-Long Barrel	2,225.00	61

*Add \$563.00 for each additional auxiliary tapping.

	ADD FOR:	
	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (PER INCH)	156.00	312.00
Type 2 Female Coupling	66.00	132.00
Type 2M Male Coupling	66.00	132.00
M13 Finishing Frame	125.00	250.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

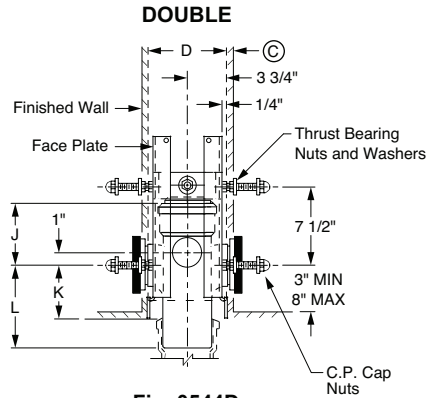


Fig. 0544D
Side View

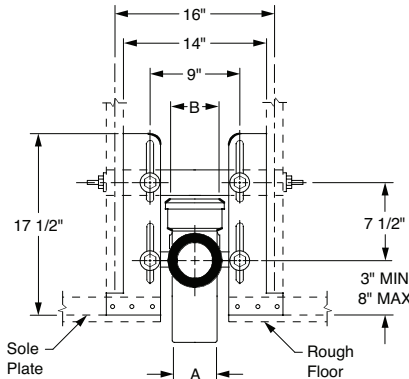


Fig. 0544
Front View

SINGLE

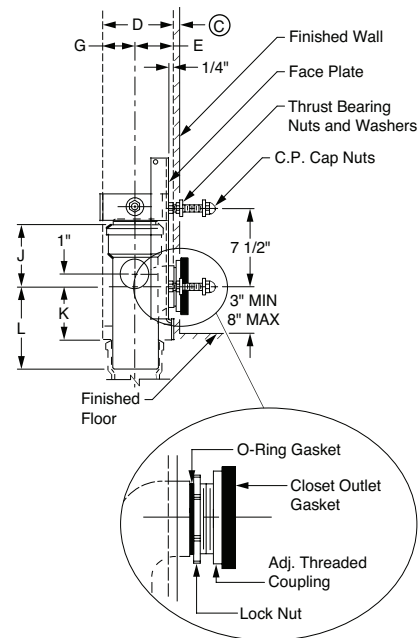


Fig. 0544
Side View

OPTIONS:

		ADD
-C06	6 3/4" Coupling (Adjusts from 4" to 6")	267.00
-C10	10" Coupling (Adjusts from 7" to 10")	624.00
-C14	14" Coupling (Adjusts from 11" to 14")	979.00

NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

© 1" MIN to 1 1/4" MAX regularly furnished. Other dimensions available upon request.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	STUD MOUNT	A SIZE	B SIZE	D STUD	E	G	J	K	L	APPROX. WT. LBS.
CAULK	0532	Single-3" Inlet & Outlet with 2" Vent Conn	1,222.00	03"	02"	2 x 6"	3 1/2"	1 3/4"	5 1/4"	5 1/4"	8"	30
	0533	Single-3" Inlet & Outlet with 3" Vent Conn	1,222.00	03"	03"	2 x 6"	3 1/2"	1 3/4"	6"	5 1/4"	8"	27
	0542	Single-4" Inlet & Outlet with 2" Vent Conn	1,747.00	04"	02"	2 x 8"	3 1/2"	3 1/2"	5 1/4"	5"	8"	32
	0544	Single-4" Inlet & Outlet with 4" Vent Conn	1,747.00	04"	04"	2 x 8"	3 1/2"	3 1/2"	6"	5"	8"	32
	0544D	Double-4" Inlet & Outlet	2,894.00	04"	04"	2 x 8"	-	-	6"	5"	8"	55

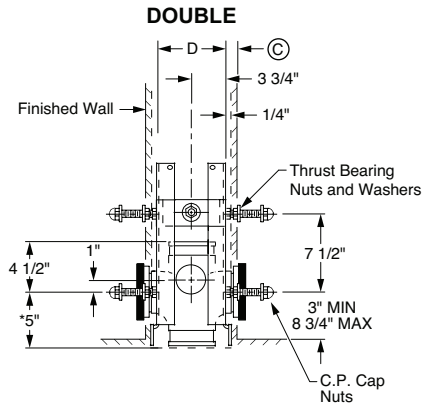


Fig. 0544DY
 Side View

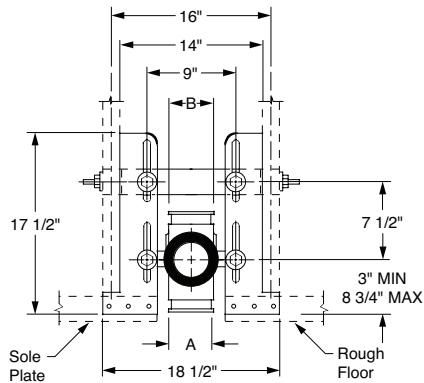


Fig. 0544Y
 Front View

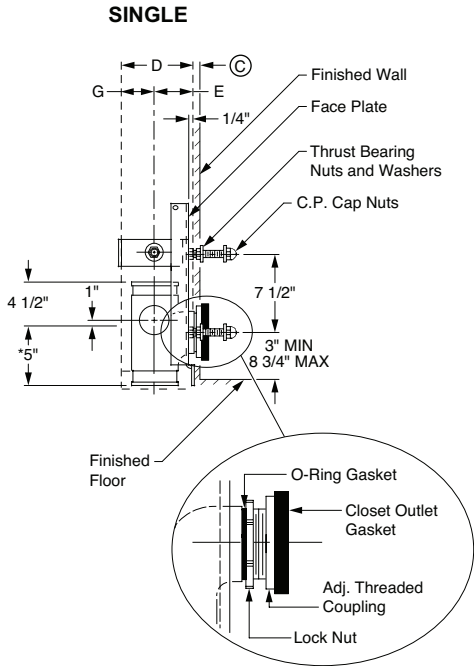


Fig. 0544Y
 Side View

OPTIONS:		ADD
-C06	6 3/4" Coupling (Adjusts from 4" to 6")	267.00
-C10	10" Coupling (Adjusts from 7" to 10")	624.00
-C14	14" Coupling (Adjusts from 11" to 14")	979.00

NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

*5" dimension is to bottom of fitting

© 1" MIN to 1 1/4" MAX regularly furnished. Other dimensions available upon request.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	STUD MOUNT	A SIZE	B SIZE	D STUD	E	G	APPROX. WT. LBS.
NO-HUB	0532Y	Single-3" Inlet & Outlet with 2" Vent Conn	1,222.00	03"	02"	2 x 6"	3 1/2"	1 3/4"	25
	0533Y	Single-3" Inlet & Outlet with 3" Vent Conn	1,222.00	03"	03"	2 x 6"	3 1/2"	1 3/4"	27
	0542Y	Single-4" Inlet & Outlet with 2" Vent Conn	1,747.00	04"	02"	2 x 8"	3 1/2"	3 1/2"	27
	0544Y	Single-4" Inlet & Outlet with 4" Vent Conn	1,747.00	04"	04"	2 x 8"	3 1/2"	3 1/2"	29
	0544DY	Double-4" Inlet & Outlet	2,894.00	04"	04"	2 x 8"	-	-	46

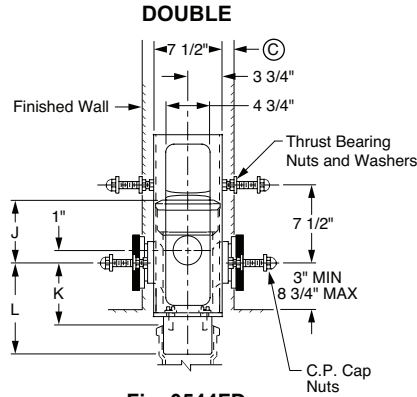


Fig. 0544FD
Side View

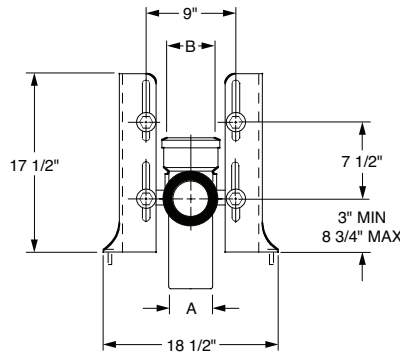


Fig. 0544F
Front View

SINGLE

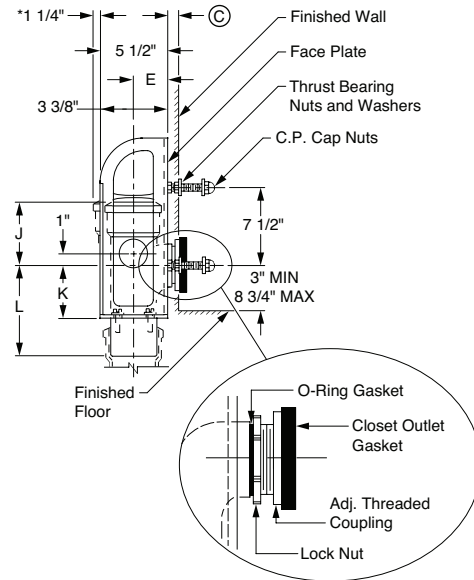


Fig. 0533F
Side View

* Hub extends beyond frame 1 1/4" for 4" cast iron hub.

OPTIONS:

		ADD
-C06	6 3/4" Coupling (Adjusts from 4" to 6")	267.00
-C10	10" Coupling (Adjusts from 7" to 10")	624.00
-C14	14" Coupling (Adjusts from 11" to 14")	979.00

NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

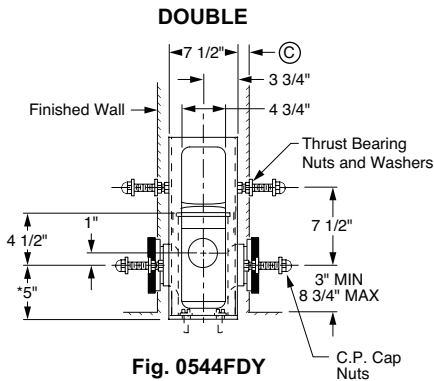
© 1" MIN to 1 1/4" MAX regularly furnished. Other dimensions available upon request.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	FLOOR MOUNT*	A SIZE	B SIZE	E	J	K	L	APPROX. WT. LBS.
CAULK	0532F	Single-3" Inlet & Outlet with 2" Vent Conn	1,781.00	03"	02"	3"	5 1/4"	5 1/4"	8"	50
	0533F	Single-3" Inlet & Outlet with 3" Vent Conn	1,781.00	03"	03"	3"	6"	5 1/4"	8"	52
	0542F	Single-4" Inlet & Outlet with 2" Vent Conn	2,295.00	04"	02"	3 1/2"	5 1/4"	5"	8"	51
	0544F	Single-4" Inlet & Outlet with 4" Vent Conn	2,295.00	04"	04"	3 1/2"	6"	5"	8"	54
	0544FD	Double-4" Inlet & Outlet	3,438.00	04"	04"	-	6"	5"	8"	73

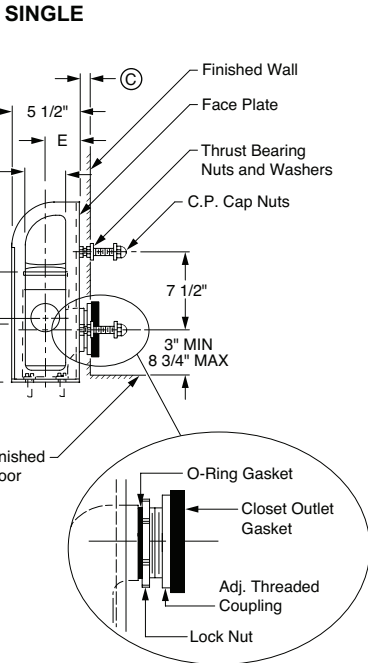
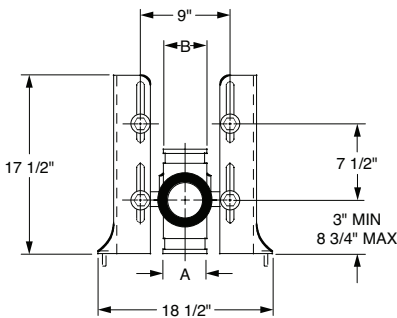
* Floor mount series may also be used in commercial applications where applicable.

FIXTURE SUPPORTS

FIG. 0532FY, 0533FY, 0542FY, 0544FY, RESIDENTIAL FIXTURE SUPPORTS FOR SIPHON JET WATER CLOSETS WITH VERTICAL CENTER LINE FITTINGS



**Fig. 0544FDY
Side View**



**Fig. 0544FY
Side View**

* Hub extends beyond frame 1 1/4" for 4" cast iron hub.

OPTIONS:		ADD
-C06	6 3/4" Coupling (Adjusts from 4" to 6")	267.00
-C10	10" Coupling (Adjusts from 7" to 10")	624.00
-C14	14" Coupling (Adjusts from 11" to 14")	979.00

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	FLOOR MOUNT*	A SIZE	B SIZE	E	APPROX. WT. LBS.
NO-HUB	0532FY	Single-3" Inlet & Outlet with 2" Vent Conn	1,781.00	03"	02"	3"	50
	0533FY	Single-3" Inlet & Outlet with 3" Vent Conn	1,781.00	03"	03"	3"	52
	▲0542FY	Single-4" Inlet & Outlet with 2" Vent Conn	2,295.00	04"	02"	3 1/2"	51
	▲0544FY	Single-4" Inlet & Outlet with 4" Vent Conn	2,295.00	04"	04"	3 1/2"	54
	▲0544FDY	Double-4" Inlet & Outlet	3,438.00	04"	04"	-	73

* Floor mount series may also be used in commercial applications where applicable.

*NOTE: 5" dimension is to bottom of fitting.

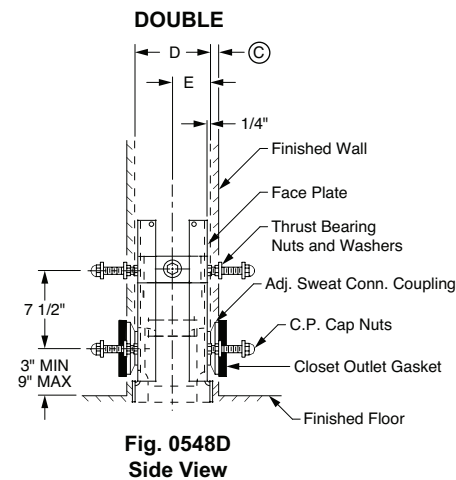
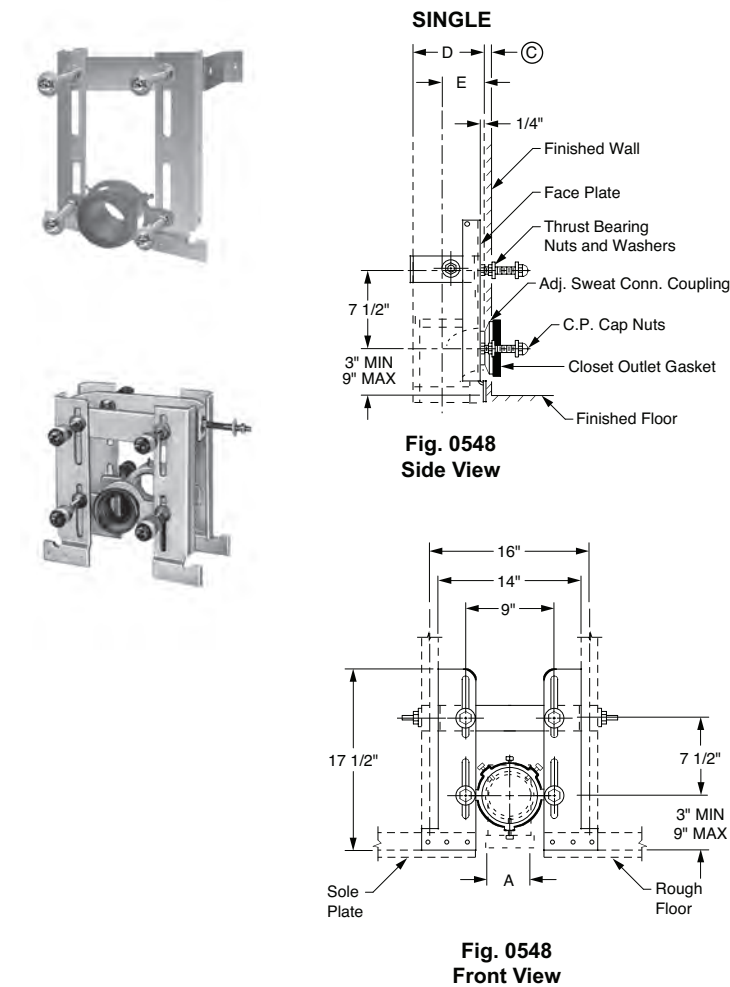
NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.
 © 1" MIN to 1 1/4" MAX regularly furnished. Other dimensions available upon request.

▲NOTE: Back of fitting extends beyond frame 1/4" for 4" sizes.
 Recommend use with 2 x 8 studs only.

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED



NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

© 1/2" MIN to 1 1/4" MAX regularly furnished.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	STUD MOUNT	A SIZE	D STUD	E	APPROX. WT. LBS.
CAULK	0548-3	Single-3" Copper Sweat Connection	1,043.00	03"	2 x 6"	4"	21
	0548-4	Single-4" Copper Sweat Connection	1,390.00	04"	2 x 8"	5"	23
	0548D3	Double-3" Copper Sweat Connection	2,041.00	03"	2 x 8"	-	37
	0548P	Single-3" Plastic Connection	1,043.00	03"	2 x 8"	4 1/2"	21
	0548DP	Double-3" Plastic Connection	2,041.00	03"	2 x 10"	-	36

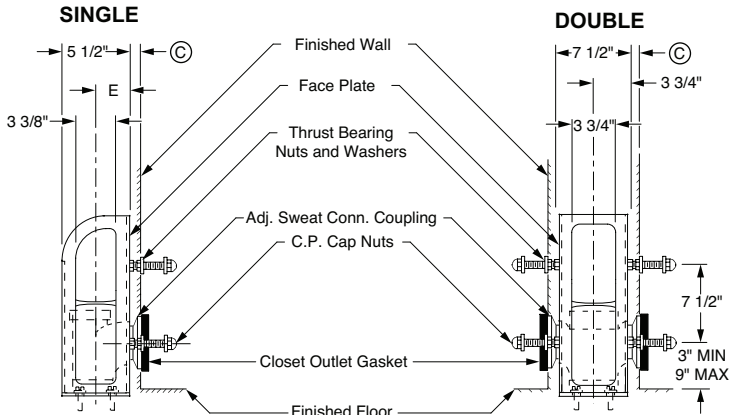


Fig. 0548F
 Side View

Fig. 0548FD
 Side View

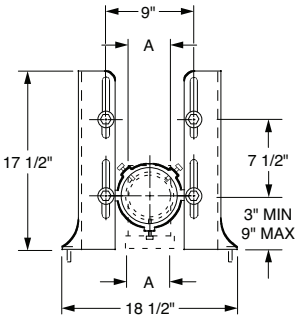


Fig. 0548F
 Front View

NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

© 1/2" MIN to 1 1/4" MAX regularly furnished.

▲NOTE: Back of fitting extends beyond frame 1/2" for 4" sizes. Recommend use with 2 x 8 studs only.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	FLOOR MOUNT*	A SIZE	E	APPROX. WT. LBS.
CAULK	0548F-3	Single-3" Copper Sweat Connection	1,599.00	03"	4"	38
	▲0548F-4	Single-4" Copper Sweat Connection	1,935.00	04"	5"	38
	0548FD3	Double-3" Copper Sweat Connection	2,592.00	03"	-	52
	0548FP	Single-3" Plastic Connection	1,599.00	03"	4 1/2"	37
	0548FDP	Double-3" Plastic Connection	2,592.00	03"	-	51

* Floor mount series may also be used in commercial applications where applicable.

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

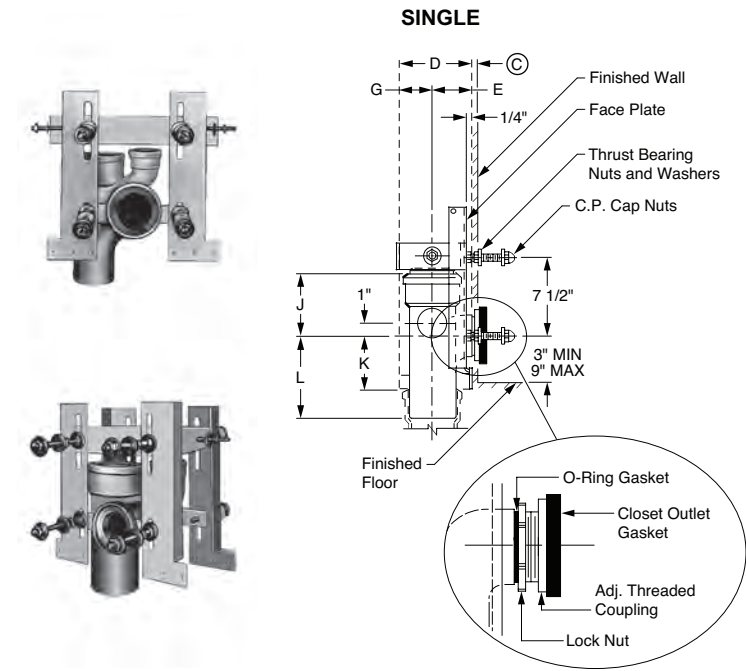


Fig. 0550
Side View

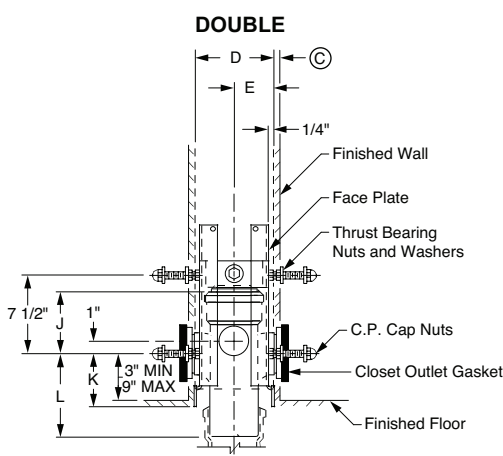


Fig. 0550D
Side View

NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

© 1" MIN to 1 1/4" MAX regularly furnished. Other dimensions available upon request. Service weight regularly furnished.

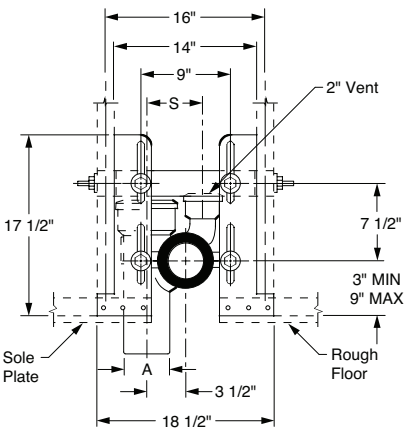


Fig. 0550
Front View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	STUD MOUNT	A SIZE	D STUD	E	G	J	K	L	S	APPROX. WT. LBS.
CAULK	0550L3	Single-Left Hand, 3" Caulk Connection	2,225.00	03"	2 x 6"	3 3/4"	1 3/4"	6"	5 1/4"	8"	5 1/4"	30
	0550L4	Single-Left Hand, 4" Caulk Connection	2,225.00	04"	2 x 8"	3 3/4"	3 3/4"	6"	5"	8"	5 1/4"	32
	0550R3	Single-Right Hand, 3" Caulk Connection	2,225.00	03"	2 x 6"	3 3/4"	1 3/4"	6"	5 1/4"	8"	5 1/4"	30
	0550R4	Single-Right Hand, 4" Caulk Connection	2,225.00	04"	2 x 8"	3 3/4"	3 3/4"	6"	5"	8"	5 1/4"	32
	0550D3	Double-3" Caulk Connection	3,812.00	03"	2 x 6"	3 3/4"	1 3/4"	6"	5 1/4"	8"	5 1/4"	50
	0550D4	Double-4" Caulk Connection	3,812.00	04"	2 x 8"	3 3/4"	3 3/4"	6"	5"	8"	5 1/4"	55

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

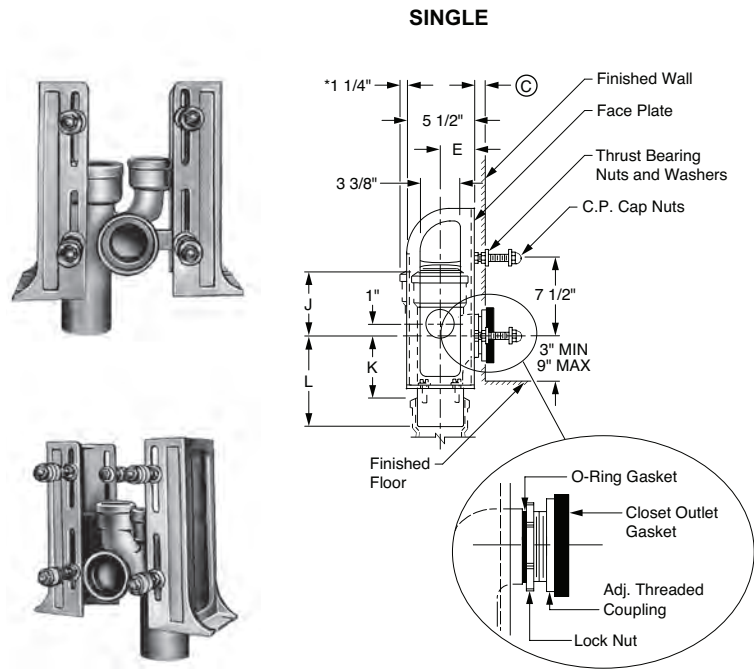


Fig. 0550F
 Side View

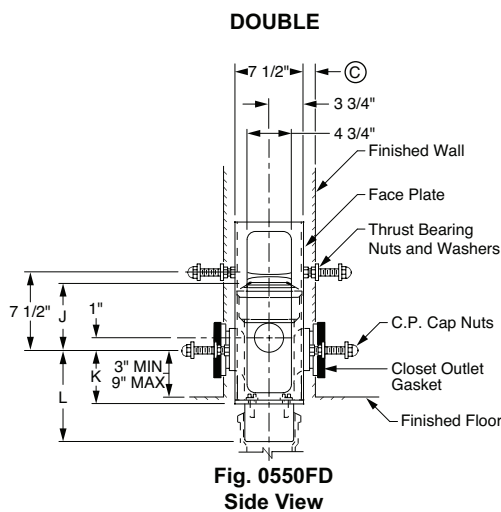


Fig. 0550FD
 Side View

NOTE: Coupling should extend 5/16" beyond finished wall.

NOTE: Longer closet studs and couplings available when required.

© 1" MIN to 1 1/4" MAX regularly furnished. Other dimensions available upon request. Service weight regularly furnished.

*Hub extends beyond frame 1 1/4" for 4" cast iron hub.

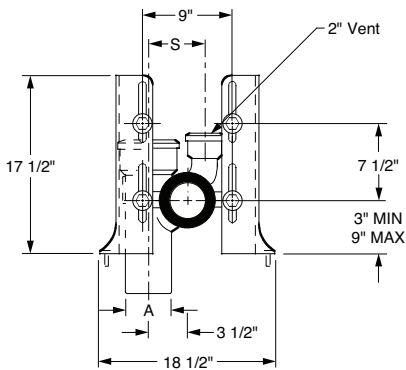


Fig. 0550F
 Front View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	FLOOR MOUNT*	A SIZE	E	J	K	L	S	APPROX. WT. LBS.
CAULK	0550FL3	Single-Left Hand, 3" Caulk Connection	2,225.00	03"	3"	6"	5 1/4"	8"	5 1/4"	62
	0550FL4	Single-Left Hand, 4" Caulk Connection	2,225.00	04"	3 3/4"	6"	5"	8"	5 1/4"	55
	0550FR3	Single-Right Hand, 3" Caulk Connection	2,225.00	03"	3"	6"	5 1/4"	8"	5 1/4"	62
	0550FR4	Single-Right Hand, 4" Caulk Connection	2,225.00	04"	3 3/4"	6"	5"	8"	5 1/4"	55
	0550FD3	Double-3" Caulk Connection	3,812.00	03"	3"	6"	5 1/4"	8"	5 1/4"	76
	0550FD4	Double-4" Caulk Connection	3,812.00	04"	3 3/4"	6"	5"	8"	5 1/4"	82

* Floor mount series may also be used in commercial applications where applicable.

NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

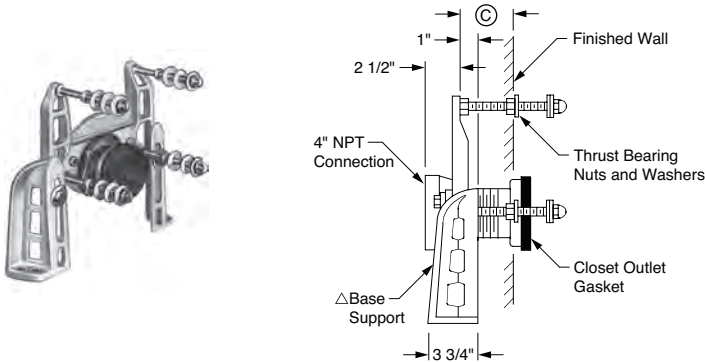


Fig. 0600
Side View

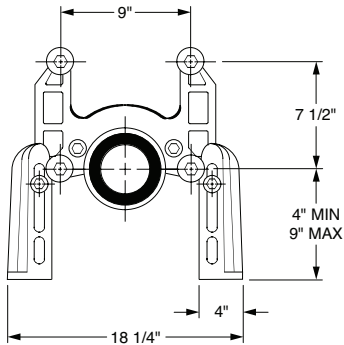


Fig. 0600
Front View

NOTE: ΔBase support must be securely anchored to floor (with four 1/2" Bolts furnished by others).

NOTE: Longer couplings available when required, up to 14" long. (Pricing will vary)

NOTE: © 1" MIN to 3" MAX as regularly furnished.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0600	Siphon Jet Type, 4" Connection	1,340.00	27

OPTIONS:		ADD
-C06	6 3/4" Coupling (Adjusts from 4" to 6")	267.00
-C10	10" Coupling (Adjusts from 7" to 10")	624.00
-C14	14" Coupling (Adjusts from 11" to 14")	979.00

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIG. 0620 FACE PLATE FIXTURE SUPPORTS WITHOUT FITTINGS FOR BLOWOUT WATER CLOSETS

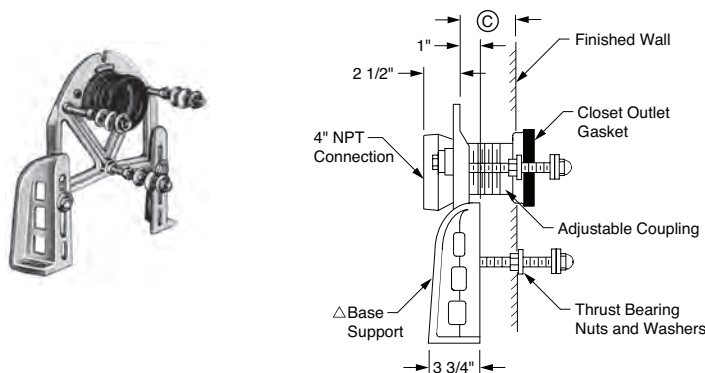


Fig. 0620
Side View

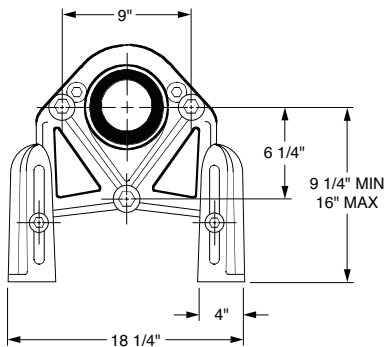


Fig. 0620
Front View

NOTE: ΔBase support must be securely anchored to floor (with four 1/2" Bolts furnished by others).

NOTE: Longer couplings available when required, up to 14" long. (Pricing will vary)

NOTE: © 1" MIN to 3" MAX as regularly furnished.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0620	Blowout Type, 4" Connection	1,244.00	31

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE:

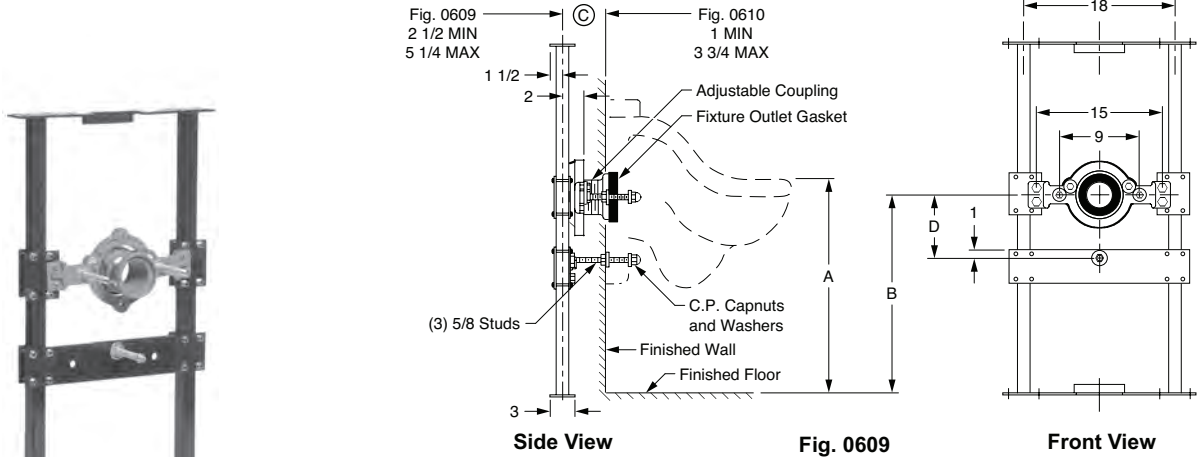
Service weight regularly furnished on fittings above.

NOTE:

Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIG. 0609, 0610 LABOR SAVER® OFF-THE-FLOOR URINAL SUPPORTS WITH SUPPORTING STUDS AND ADJUSTABLE COUPLING FOR BLOWOUT URINALS



NOTE: © This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

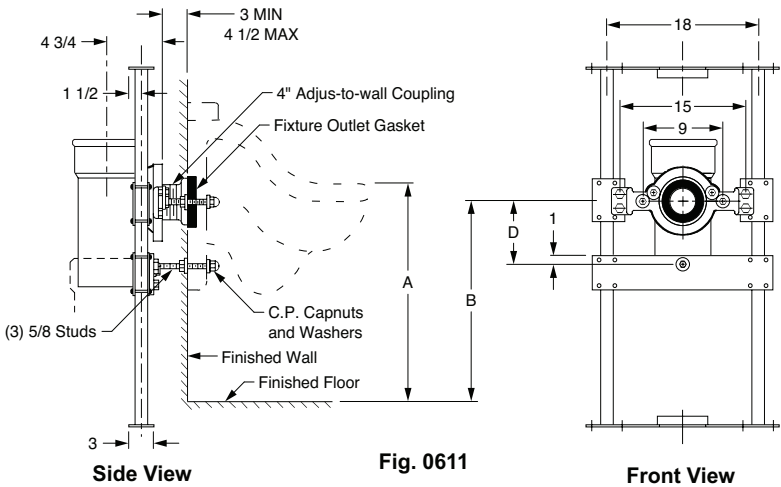
NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

For lettered dimensions, contact factory.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0609	3" Outlet Conn & Bottom Bearing Plate	2,429.00	42
0610	4" Outlet Conn & Bottom Bearing Plate	2,429.00	43

FIG. 0611 LABOR SAVER® OFF-THE-FLOOR URINAL SUPPORTS WITH SUPPORTING STUDS, WASTE FITTING AND ADJUSTABLE COUPLING FOR BLOWOUT URINALS



NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

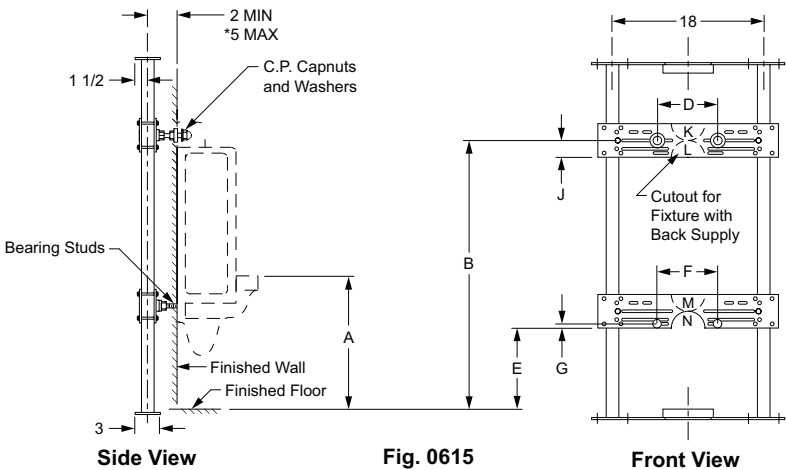
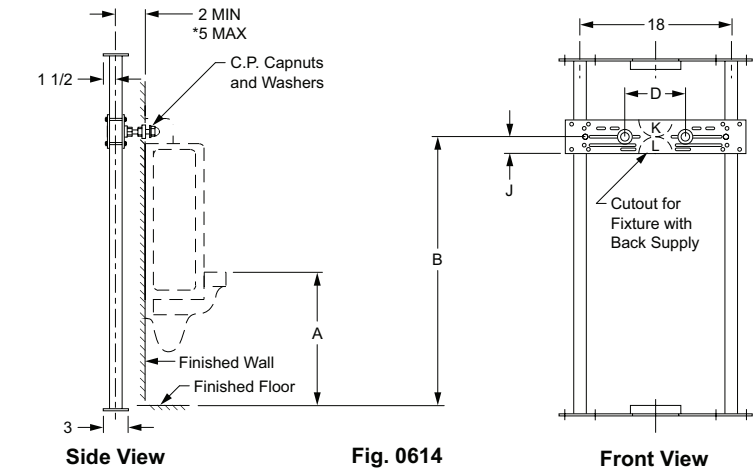
For lettered dimensions, contact factory.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0611	4" Outlet Connection	4,021.00	42

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED



NOTE: *This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

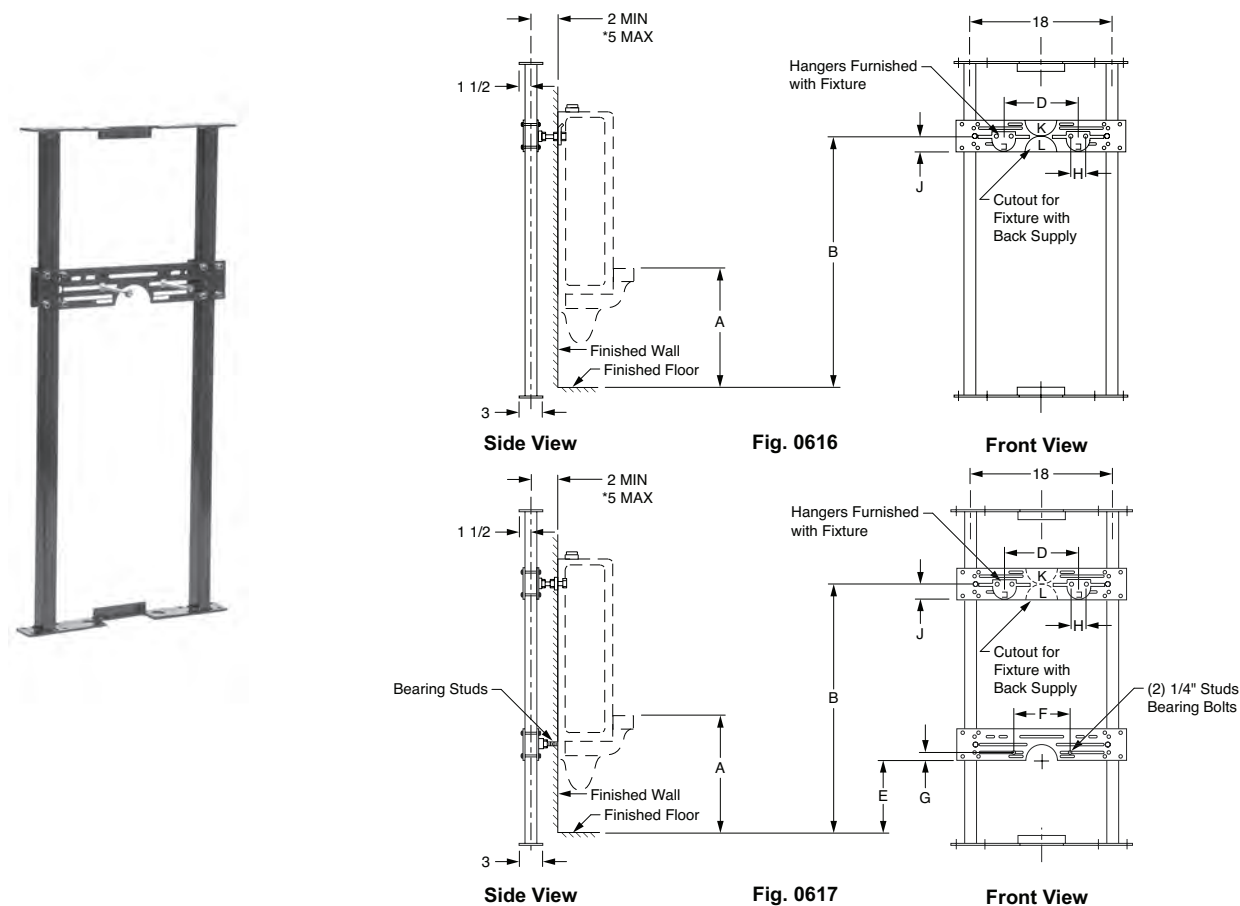
For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0614	Less Bottom Bearing Plate	1,522.00	26
0615	With Bottom Bearing Plate	1,696.00	32

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIG. 0616, 0617 LABOR SAVER® OFF-THE-FLOOR URINAL SUPPORTS WITH HANGER PLATES FOR BLOWOUT AND WASHOUT URINALS WITH WALL HANGERS

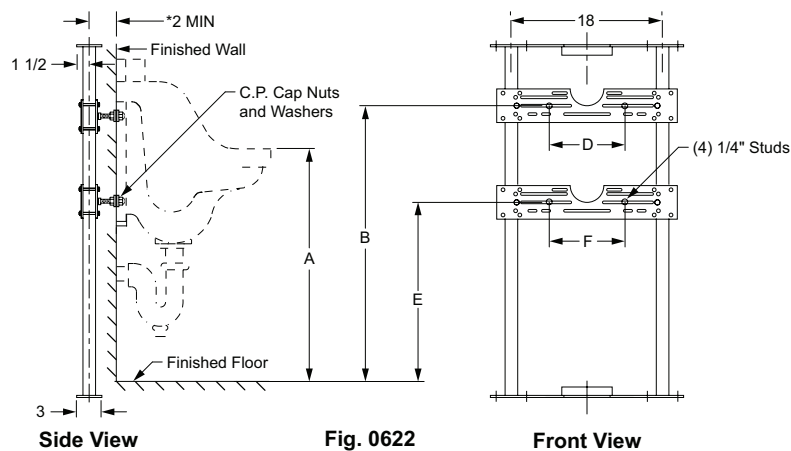


NOTE: *This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

For lettered dimensions, contact factory.

FIG. 0622 LABOR SAVER® URINAL SUPPORT FLOOR MOUNTED TYPE WITH TOP AND BOTTOM SUPPORTING PLATES AND STUDS FOR WASHOUT URINALS



NOTE: *This dimension includes a wall thickness of 1/2". For greater wall thickness, specify centerline of upright to finished wall dimension.

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0616	Less Bottom Bearing Plate	1,589.00	37
0617	With Bottom Bearing Plate	1,732.00	41

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIG. 0623, 0624 LABOR SAVER® URINAL SUPPORTS WITH HANGER PLATES FOR BLOWOUT AND WASHOUT URINALS WITH CONCEALED WALL HANGERS

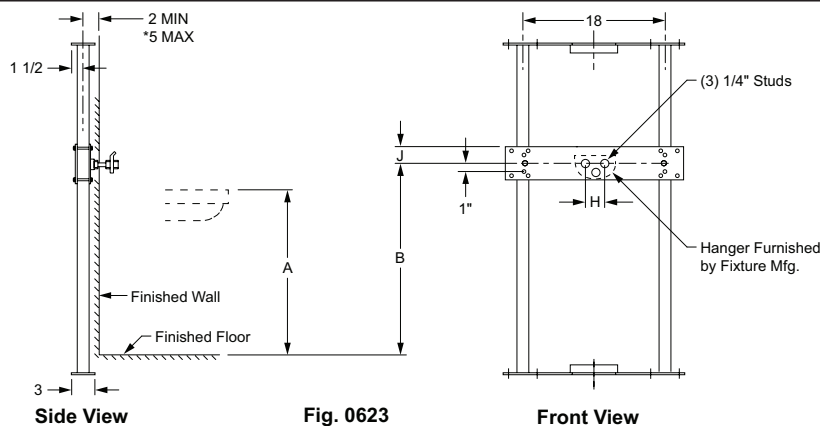


Fig. 0623

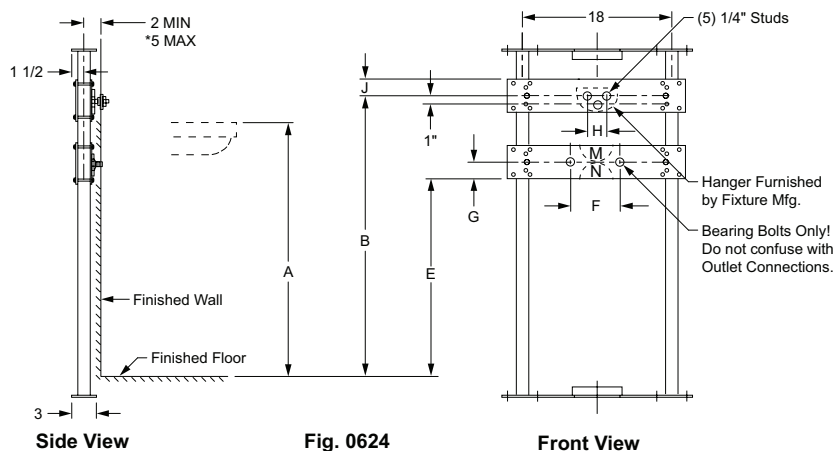


Fig. 0624

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0623	Less Bottom Bearing Plate	1,522.00	30
0624	With Bottom Bearing Plate	1,696.00	35

FIG. 0628 LABOR SAVER® URINAL SUPPORT FLOOR MOUNTED TYPE W/TOP AND BOTTOM SUPPORTING PLATES AND STUDS FOR WASHOUT URINALS W/TOP STUD AND BOTTOM OUTLET

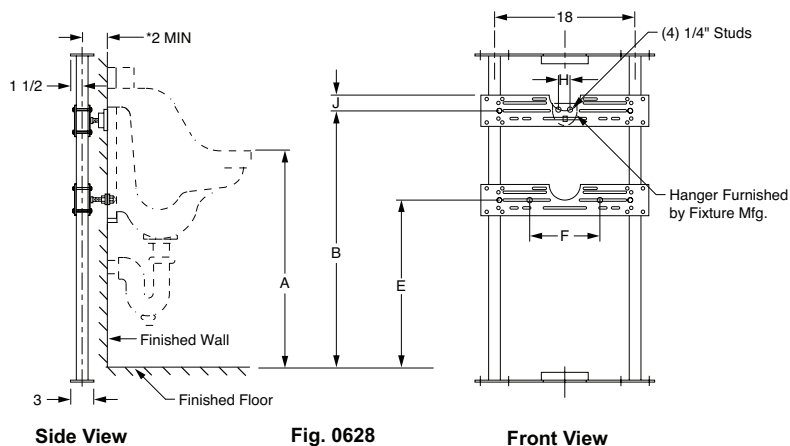


Fig. 0628

NOTE: *This dimension includes a wall thickness of 1/2". For greater wall thickness, specify centerline of upright to finished wall dimension.

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

For lettered dimensions, contact factory.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0628	With Bottom Bearing Plate	1,696.00	38

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIG. 0629, 0630, 0632, 0633 URINAL SUPPORTS FOR OFF-THE-FLOOR URINALS WITH SUPPORTING STUDS AND ADJUSTABLE COUPLING FOR BLOWOUT URINALS/SINKS

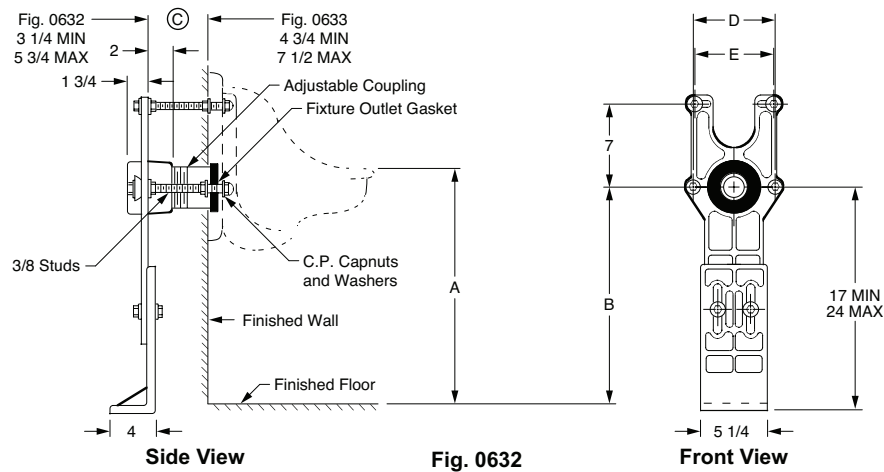
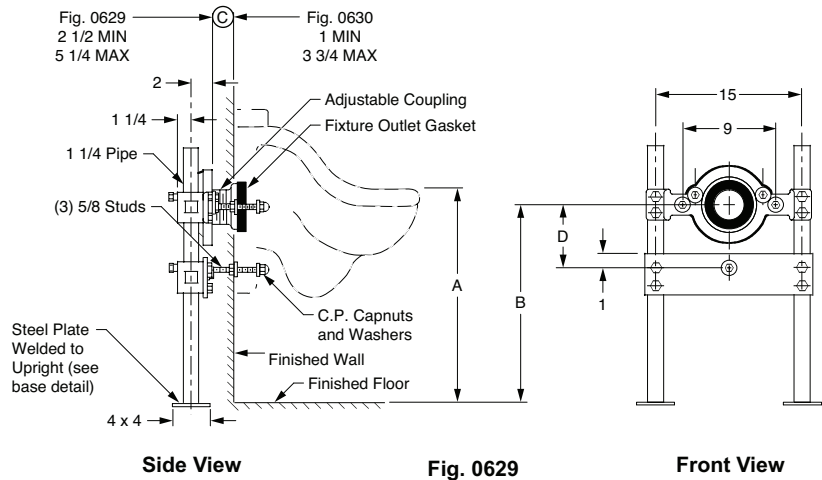


FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0629	3" Outlet Conn & Bottom Bearing Plate	1,865.00	42
0630	4" Outlet Conn & Bottom Bearing Plate	1,865.00	46
0631	4" Outlet Connection	3,090.00	42
0632	2" Outlet Connection	1,641.00	36
0633	3" Outlet Connection	1,641.00	39

NOTE: Coupling should extend 5/8" beyond finished wall.

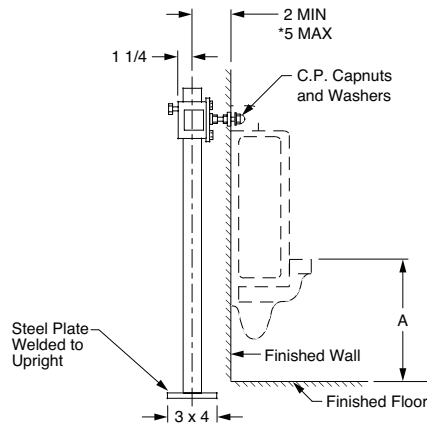
NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

For lettered dimensions, contact factory.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

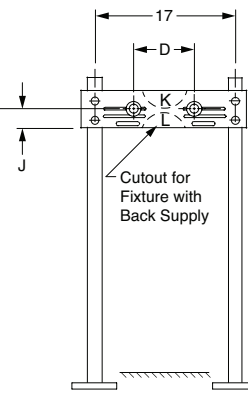
NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

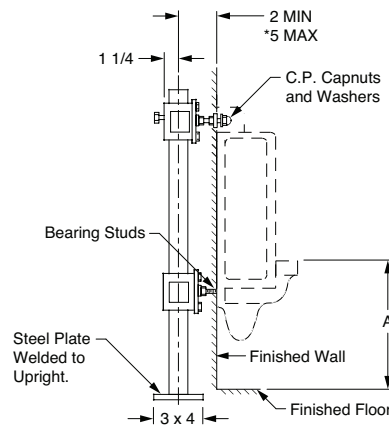


Side View

Fig. 0634

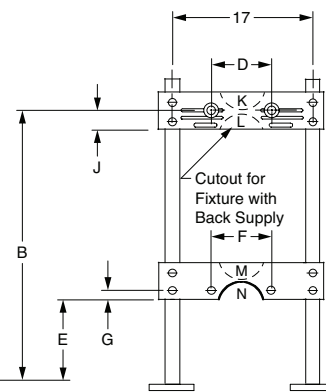


Front View



Side View

Fig. 0635



Front View

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0634	Less Bottom Bearing Plate	1,185.00	47
0635	With Bottom Bearing Plate	1,324.00	33
0636	Less Bottom Bearing Plate	1,185.00	27
0637	With Bottom Bearing Plate	1,324.00	32

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

For lettered dimensions, contact factory.

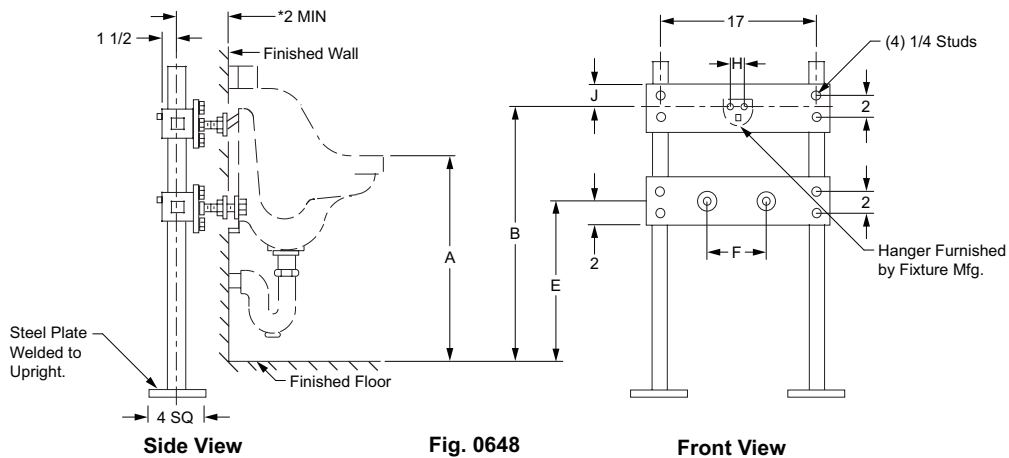
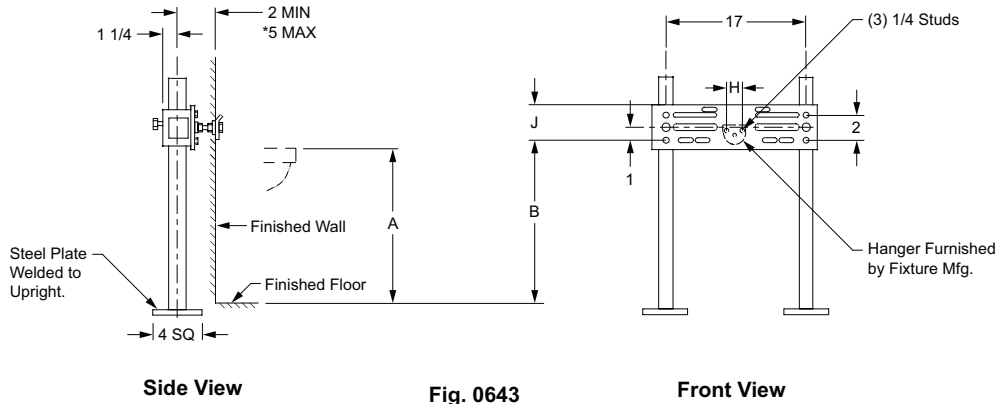


FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0642	With Bottom Bearing Plate	1,308.00	32
0643	Less Bottom Bearing Plate	1,172.00	28
0644	With Bottom Bearing Plate	1,308.00	35
0648	With Bottom Bearing Plate	1,308.00	32

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

For lettered dimensions, contact factory.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

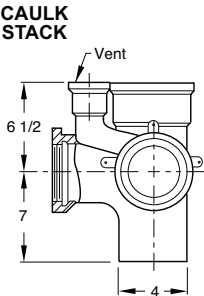


Fig. 0650

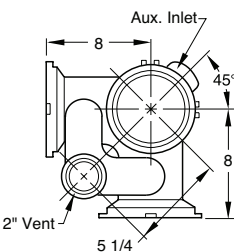


Fig. 0650
Top View

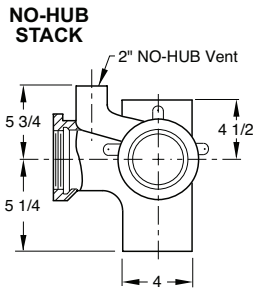


Fig. 0650Y

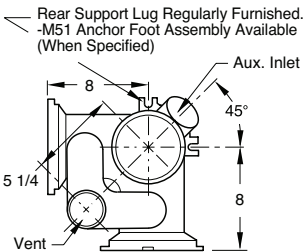
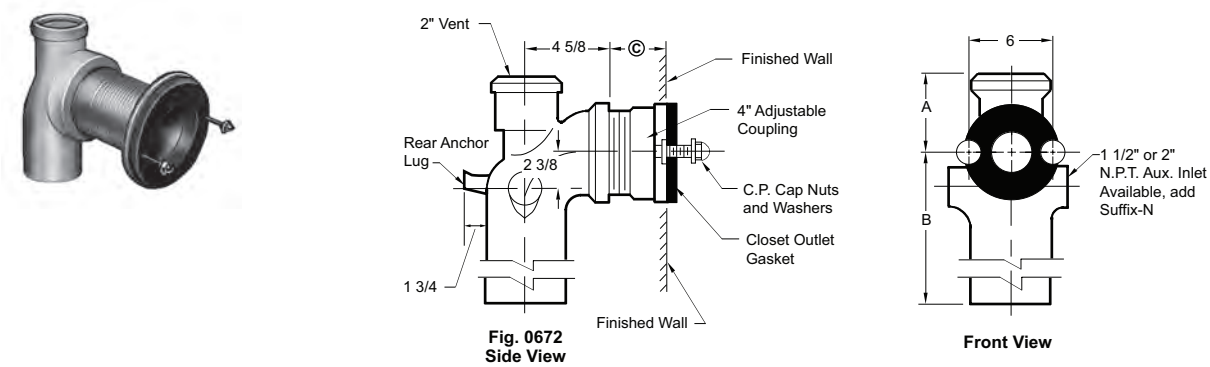


Fig. 0650Y
Top View

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0650	Caulk Conn, Less 2" Auxiliary Tap	4,066.00	47
0650Y	No-Hub Conn, Less 2" Auxiliary Tap	4,066.00	42
0651	Caulk Conn, Less 2" Auxiliary Tap	4,633.00	47
0651Y	No-Hub Conn, Less 2" Auxiliary Tap	4,633.00	42

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED



© Dimension is regularly furnished 4" long. Coupling provides 3/4" adjustment in either direction.

Conforms with ASME A112.6.1M

FIGURE NO.	DESCRIPTION	PRICE	SERVICE WEIGHT		NO-HUB		APPROX. WT. LBS.
			A	B	A	B	
0672	4" Spigot Conn, With 2" Vent Hub	2,277.00	5"	8"	-	-	19
0674F	4" Spigot Conn, With 4" Vent Hub	2,277.00	5 1/2"	8"	-	-	19

The water closet gasket regularly furnished is designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

MULTIPLE INLET STACK FITTING CONNECTION ASSEMBLIES

ASSEMBLY NO.	DESCRIPTION	PRICE
M73 OR M74	Outlet Conn (to 12"), for Stainless Steel	1,192.00
M-80-NH	4" No-Hub Connection, 6" Long*	1,192.00
M-80-T	4" Thread Connection, 6" Long*	1,192.00
M-81-NH	4" No-Hub Connection, 12" Long*	1,041.00
M-81-T	4" Thread Connection, 12" Long*	1,041.00
M-84-4-NH	4" Male No-Hub Connection	596.00
M-84-4-T	4" Male Thread Connection	596.00

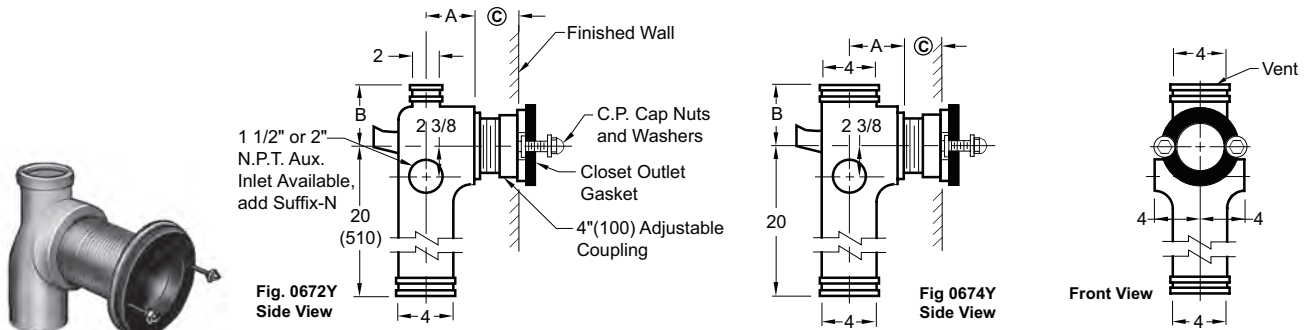
*Add \$121.00 for each additional 6" of thru-wall stainless steel tubing required. For factory cut special lengths, add \$65.00 per cut additional.

M-80 and M-81 Series thru-wall waste connection with cleanout tee for stainless steel fixtures with recessed waste connection and 5/16" tappings on 6" centers.

M-84 Series in-wall waste connection for stainless steel fixtures with recessed waste connection and 5/16" tappings.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED



© Dimension as regularly furnished permits a dimension of 3" MIN to 4" MAX. Coupling provides 1/2" adjustment in either direction.

Always specify © dimension required.

Minimum © dimension of 1" available using special male end coupling.

NOTE: When required a 2" NO-HUB Aux. inlet adapter is available specify suffix-NY.

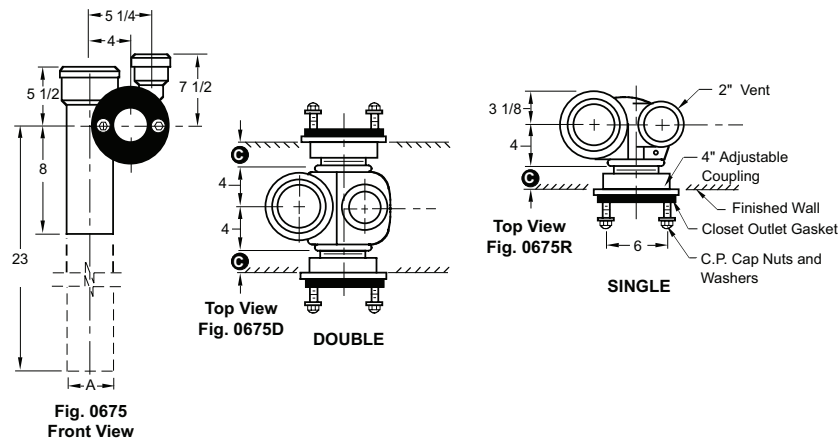
Conforms with ASME A112.6.1M.

FIGURE NO.	DESCRIPTION	PRICE	NO-HUB		APPROX. WT. LBS.
			A	B	
0672Y	Single-with 2" Vent	2,277.00	4"	7"	35
0674Y	Single-with 4" Vent	2,277.00	4"	5"	35

The water closet gasket regularly furnished is designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

FIG. 0675 AND 0688 SERIES VERTICAL OFFSET WASTE FITTING WITH SIDE INLET



© Dimension is regularly furnished 4" long. Coupling provides 3/4" adjustment in either direction.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0675L	Single-Left Hand	1,973.00	56
0675R	Single-Right Hand (Shown)	1,973.00	56
0675D	Double	3,325.00	68
0688L	Single-Left Hand Long Barrel	3,319.00	48
0688R	Single-Right Hand Long Barrel	3,319.00	48
0688D	Double Long Barrel	4,665.00	68

The water closet gasket regularly furnished is designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

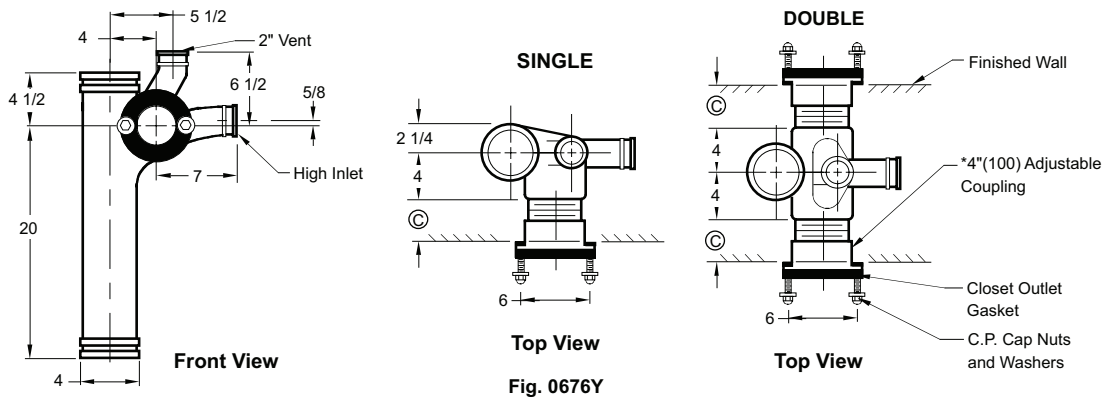


FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0676LY	LH-w/One High Sanitary Inlet on Vent Side	2,827.00	36
0676RY	RH-w/One High Sanitary Inlet on Vent Side	2,827.00	36
0676DY	Dbl-w/One High Sanitary Inlet on Vent Side	4,190.00	48

NOTES: Fittings shown are regularly furnished with (1) 2" NO-HUB sanitary sweep inlet.
 © Dimension as regularly furnished permits a dimension of 3" minimum to 4 1/2" maximum coupling provides 3/4" adjustment in either direction. Always specify © dimension required. Minimum © dimension of 1" available using special male end coupling.

FIG. 0688Y NO-HUB VERTICAL OFFSET WASTE FITTING

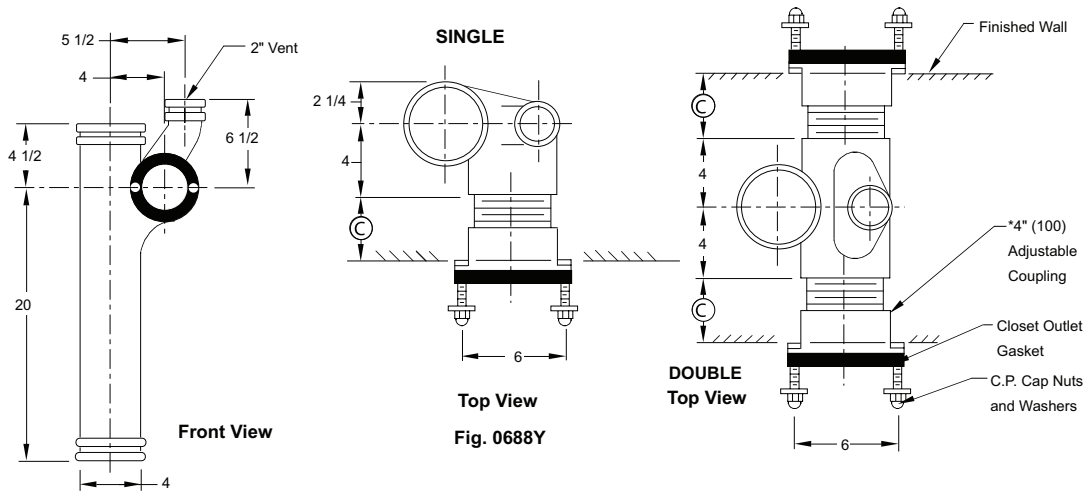


FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0688LY	Single-Left Hand Long Barrel	2,272.00	38
0688RY	Single-Right Hand Long Barrel	2,272.00	38
0688DY	Double-Long Barrel	3,618.00	54

NOTES: Fittings shown are regularly furnished with (1) 2" NO-HUB sanitary sweep inlet.
 © Dimension as regularly furnished permits a dimension of 3" minimum to 4 1/2" maximum coupling provides 3/4" adjustment in either direction. Always specify © dimension required. Minimum © dimension of 1" available using special male end coupling.

The water closet gasket regularly furnished is designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

ADJUSTABLE	COMPACT	RESIDENTIAL	FACE PLATE	SUFFIX NO.	TYPE OF VARIATION DESCRIPTION	APPROX. WT. LBS.	ADD FOR	
							SINGLE	DOUBLE
•	•			-95	Test Cap Assembly	1	N/C	N/C
•	•	•	•	-M12	Support for Exposed Flush Valve Supply	1	136.00	272.00
•	•	•	•	-M13	Finishing Frame	1	125.00	250.00
•	•	•	•	-M17	Water Closet Setting Gauge	5	774.00	-
•	•			-M40	Extra Foot Support for Wide Pipe Chase	10	561.00	1,122.00
•	•		•	-M50	High Set Legs for Raised Closet Support	5	N/C	N/C
•	•			-M54	Face Plate with Side Leg Assembly	22	N/C	N/C
•	•			-M58	Face Plate with "O" Ring Seal and Adjustable ABS Nipple	18	N/C	N/C
•	•			-M58-M54	Face Plate with Side Leg Assembly, "O" Ring Seal and Adjustable ABS Nipple	22	N/C	N/C
•	•			-M73	Closet Outlet Connection (to 12") for use with Stainless Steel Fixtures	7	1,192.00	2,384.00
•	•			-M74	Closet Outlet Connection (to 12") for use with Stainless Steel Fixtures	6	1,192.00	2,384.00
•	•	•		-M77	Trim less Nipple Kit		N/C	N/C
•	•			-2	Cast Iron Outlet Connection, Type 2 Female Coupling	-	66.00	132.00
•	•			-2M	Cast Iron Outlet Connection, Type 2M Male Coupling	-	66.00	132.00
•	•	•		-N	Each Tapped Auxiliary Inlet, 1 1/4", 1 1/2", or 2"	-	563.00	-
•	•			-G	Galvanized Support	-	POA	POA
•	•	•	•	-U	Vandal Proof Trim	-	208.00	416.00
•	•			99	Coupling Wrench	-	168.00	-
•	•				Cast Iron or PVC Outlet Nipple & Steel Studs, 13-34", PER INCH	-	156.00	312.00
		•			Residential Coupling over 3", PER INCH	-	89.00	178.00
•	•	•	•		Closet Outlet Gasket, Felt or Neoprene	1	N/C	N/C
•					Alternate Vent Locations, Vertical Fittings Only	-	N/C	N/C

				SUFFIX NO.	TYPE OF VARIATION DESCRIPTION	APPROX. WT. LBS.	DEDUCT FOR	
							SINGLE	DOUBLE
•	•			-NC	Less Nipple and Coupling	-	204.00	408.00

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

MISCELLANEOUS URINAL/LAVATORY AND SINK SUPPORTS
ALWAYS SPECIFY FIXTURE MFR'S NAME AND NUMBER WHEN ORDERING



FIGURE NO.	PRICE
0600SP	1,132.00
0620	1,244.00
0620-SP	1,115.00
0636D-M32	1,429.00
0637D-M32	1,692.00
0642	1,308.00
0643D-M31-A	1,692.00
0644D-M31	1,692.00
0702	1,542.00
0702D	2,197.00
0721	846.00
0721E	1,254.00
0724	846.00
0730	846.00
0732	758.00
0733	1,312.00
0740	2,189.00
0740D	3,202.00
0751	2,197.00
0752-15-M30-M31	2,197.00
0752-15-M30-M32	2,197.00
0758	4,682.00
0758D	7,148.00
0758-M31-42	5,392.00
0758-M31-43	7,878.00
0771-11	1,411.00
0771-15	1,411.00
0773	1,411.00
0781	1,411.00
0784	1,133.00
0790	990.00
0791	990.00
0800D	1,542.00
0802-M32	3,171.00
0802D	4,487.00

FIGURE NO.	PRICE
0810-M32	1,304.00
0810D-M32	1,430.00
0811-M32	1,539.00
0813-M32	POA
0814-M32	1,539.00
0814D	2,334.00
0816	POA
0820-M32	1,133.00
0823	(Contact factory w/Fixture Model)
0824	(Contact factory w/Fixture Model)
0824D	(Contact factory w/Fixture Model)
0825D	789.00
0826D	648.00
0827-BH	365.00
0827-CH	365.00
0827-SS	365.00
0827D	732.00
0830	1,308.00
0830D	1,609.00
0834	(Contact factory w/Fixture Model)
0848	(Contact factory w/Fixture Model)
0848-1	(Contact factory w/Fixture Model)
0848-3	(Contact factory w/Fixture Model)
0848-4KW	(Contact factory w/Fixture Model)
0848D	(Contact factory w/Fixture Model)
0849	(Contact factory w/Fixture Model)
0849-2	(Contact factory w/Fixture Model)
0849-3	(Contact factory w/Fixture Model)
0849-4	(Contact factory w/Fixture Model)
0850-1-M32	3,890.00
0850-11	3,890.00
0850-15	3,890.00
0851-11	2,277.00
0851-15	2,277.00
0851-3-M32	2,277.00

FIGURE NO.	PRICE
0860	(Contact factory w/Fixture Model)
0860-3	(Contact factory w/Fixture Model)
0860-4	(Contact factory w/Fixture Model)
0862-A26-M32	2,773.00
0862-HT	2,773.00
0864	(Contact factory w/Fixture Model)
0864-3	(Contact factory w/Fixture Model)
0866	(Contact factory w/Fixture Model)
0866-1-M31	(Contact factory w/Fixture Model)
0866-2-M31	(Contact factory w/Fixture Model)
0866-3-M31	(Contact factory w/Fixture Model)
0867	(Contact factory w/Fixture Model)
0868	(Contact factory w/Fixture Model)
0868-1-M32	(Contact factory w/Fixture Model)
0868D-Z	(Contact factory w/Fixture Model)
0869	(Contact factory w/Fixture Model)
0870	2,456.00
0870-M31-CMP	2,516.00
0870-41-M31	3,498.00
0870-42-M31	3,498.00
0870-43-M31	3,994.00
0870-43-M31CMP	4,259.00
0870-CB42	2,859.00
0870-CB43	5,194.00
0870-D-M31CMP	4,067.00
0870-Z	2,456.00
0920	1,522.00
0921	1,522.00
M79LY	3,039.00



ORDERING GUIDELINES



0700-0900 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

0700D (-27-M31)

Figure No. _____
Type of Support (Double) _____
Arm Size (25") _____
Type of Uprights (Rectangular) _____
Type of Uprights (Round) (-M32) _____

0800 (-KW-M31)

Figure No. _____
Knee Action Valve _____
Type of Uprights (Rectangular) _____

**Refer to submittal for arm size required.

Example: -M24 Extension Adaptor

Order as follows: -M2404

Sizes Available:

03 - 3"
04 - 4 1/4"
05 - 5"
06 - 6"
07 - 7 1/2"

LAVATORY & SINK SUPPORTS



Fig. 0700



Fig. 0700 (-E)



Fig. 0700 (-M31)



Fig. 0700 (-27-M31)



Fig. 0710



Fig. 0710 (-E)



Fig. 0720 (-E)



Fig. 0722 (-E)



Fig. 0723 (-E)



Fig. 0728 (-E)



Fig. 0750



Fig. 0752



Fig. 0760



Fig. 0762



Fig. 0770



Fig. 0780



Fig. 0790



Fig. 0792



Fig. 0800



Fig. 0801



Fig. 0805



Fig. 0823



Fig. 0824



Fig. 0825-0827



Fig. 0826-0828



Fig. 0830



Fig. 0831



Fig. 0844



Fig. 0870



Fig. 0871



Fig. 0914



Fig. 0915



Fig. 0924



Fig. 0925

TECHNICAL DATA

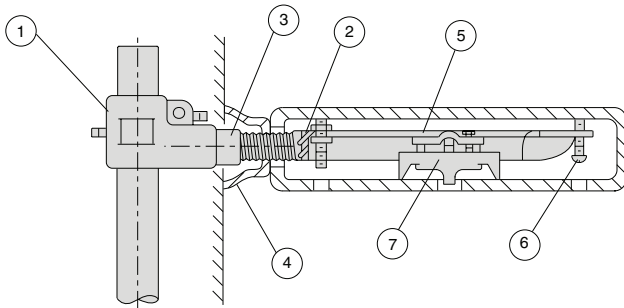
Fixture supports have been designed to secure and support lavatories, sinks, electric water coolers, hospital service and scrub-up sinks, and many other types of off-the-floor fixtures. The supports for these fixtures are divided into two general categories: Floor Mounted Supports and Wall Mounted Supports.

"SURE-SET" CONCEALED ARMS

Specification and installation of "off-the-floor" lavatories, sinks and similar fixtures has greatly accelerated due to their many superior qualities. Smith engineers, recognizing this trend have greatly improved the existing methods of supporting these fixtures and among these improvements, sure-set concealed arms provide the most reliable method of supporting lavatories on concealed arms.

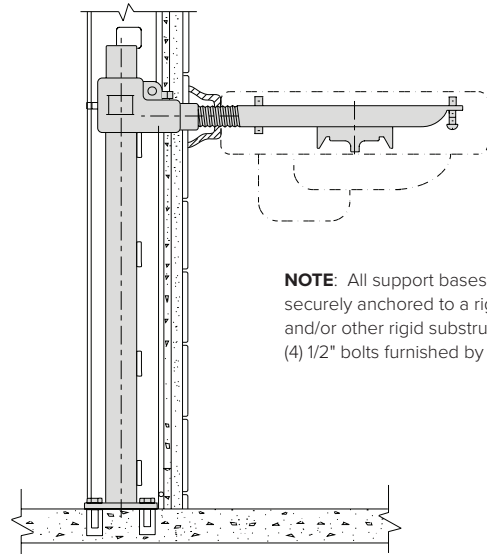


ENGINEERED FEATURES OF THE SMITH "SURE-SET" CONCEALED ARM



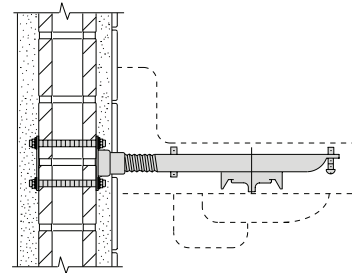
- ① **Adjustable Sleeve** - Adjusts vertically to meet specific rough-in heights and is threaded internally to receive concealed arm.
- ② **Threaded Concealed Arm** - Easily threaded into the adjustable sleeve for positive fixture support.
- ③ **Extended Lock Nut** - Accessible from the face of finished wall permanently locks the concealed arm in place.
- ④ **Threaded Escutcheon** - Chrome Plated and threaded to the concealed arm, stays permanently in place.
- ⑤ **Adjustment Slot** - Provides ease of adjusting locking device to suit the roughing-in dimensions of the fixture specified.
- ⑥ **Leveling Screws** - Are provided for proper leveling of fixture.
- ⑦ **"Sure-set" Locking Device** - Two serrated locking surfaces grip the bottom of the lavatory, permanently locking fixture to arm. Locking device boss protrudes through punching in underside of lavatory to prevent removal of the lavatory from the arm.
- ⑧ **Packaging** - Arms are separately packaged and fully assembled, ready for installation.

TYPICAL ARRANGEMENTS OF FLOOR AND WALL MOUNTED SUPPORTS



NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

"PRO-SET" FLOOR MOUNTED UPRIGHT SUPPORT - "Pro-Set" is the trade name for the Smith system using uprights welded to base plates. This applies to round or rectangular uprights. The function of the support is to provide the means of mounting an off-the-floor fixture so that the vertical load bearing members are completely concealed inside the wall. This system has no external contact with the finished floor inside the room.



WALL MOUNTED SUPPORT - The function of this support is to provide for securing of the fixture to the wall in areas where a floor mounted support cannot be installed. The wall structure must be of sufficient strength to support the entire weight of the fixture.

NOTE: Single Plates for Battery Applications Available See Figs. 0722, 0722 (-E), 0728 and 0728 (-E).

REGULARLY FURNISHED: Floor or wall mounted supports with concealed or exposed arms, and/or with plate and studs as indicated by figure number selected. Exposed arm assemblies are acid resistant coated. Base supports for floor mounted type are welded to uprights. Escutcheons and exposed trim are chromium plated.

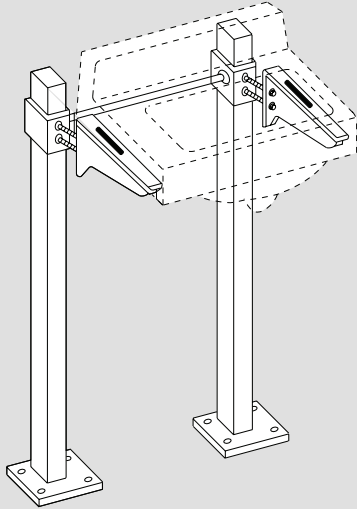
NOTE: SMITH provides Fixture Support Selection Guides which list the proper support for the fixture specified. Also furnished with each shipment of fixture supports are rough-in instructions of the support specified.

FURNISHED WHEN SPECIFIED - Exposed arm plate and studs with vandal proof trim. To specify, add Suffix -U to figure number of support desired.

NOTE: When ordering lavatories for use with concealed arms, it should be so stated to the fixture manufacturer so that the proper fixture will be furnished for use with a concealed arm support.

Although the concealed arm type of fixture support is the most popular today because of the various installation and esthetic features, there are two other basic types of fixture supports.

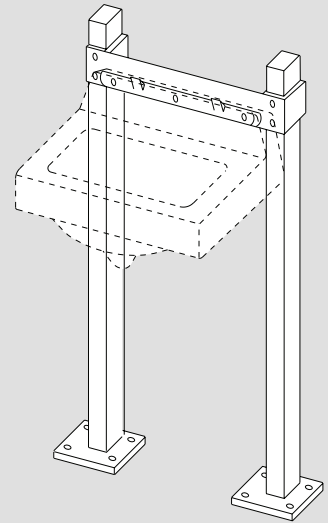
EXPOSED ARM SUPPORT



NOTE: It is recommended that Suffix -M31, 1 x 3 rectangular uprights (as shown) be used in non-load bearing wall construction.

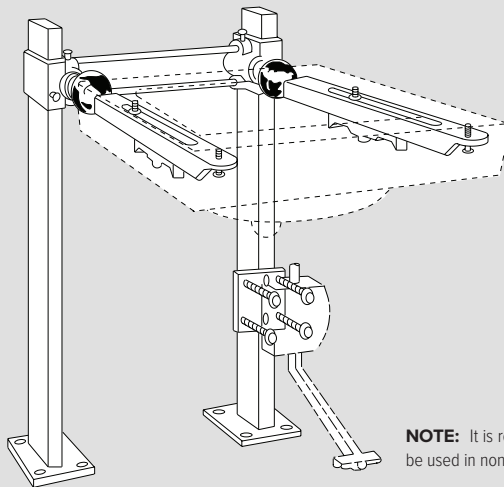
Vitreous China lavatory designed for use with acid resistant coated exposed arm support. Specify Fig. 0870 (-M31).

HANGER TYPE SUPPORT

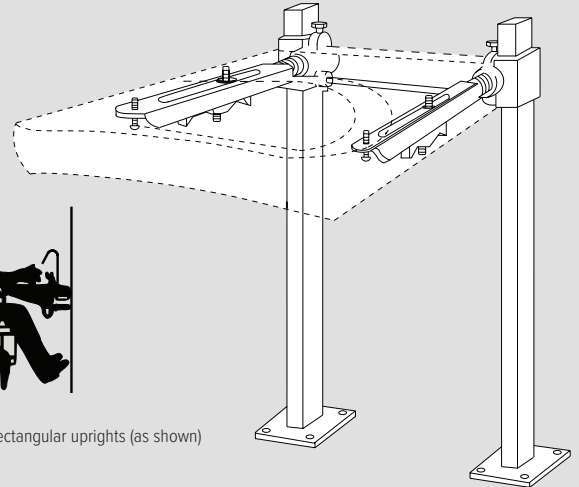


Enameled iron high back lavatory supported on a hanger type fixture support. Specify Fig. 0800 (-M31).

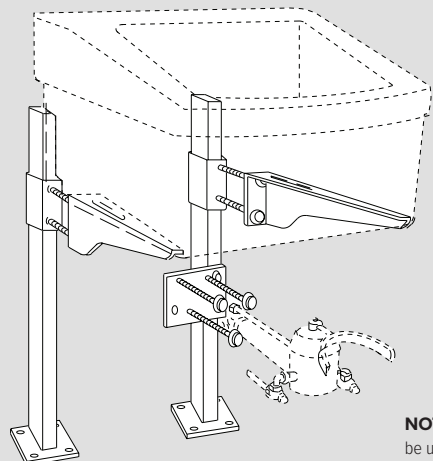
SUPPORTS FOR HOSPITAL AND HANDICAPPED FIXTURES



Surgeon's Lavatory - With pedal operated mixing valve for use in patient care areas. Specify Fig. 0700 (-E-KW-M31).

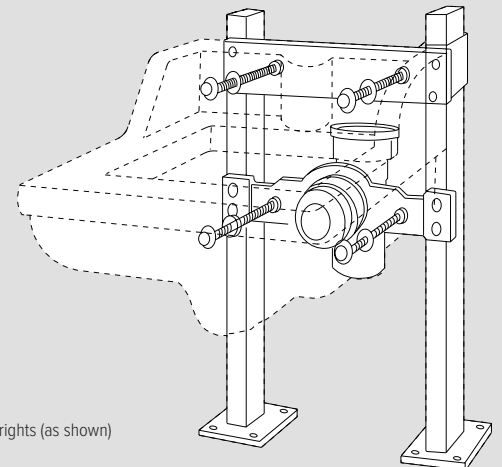


Wheelchair Lavatory - This lavatory has been expressly designed for wheelchair patient's needs. It provides adequate space beneath it for the wheelchair. Specify Fig. 0700 (-27-M31).



Surgeon's Scrub-up-Sink - For use in scrub rooms, emergency rooms and treatment areas, with knee-operated valve. Specify Fig. 0870 (-KW-M31).

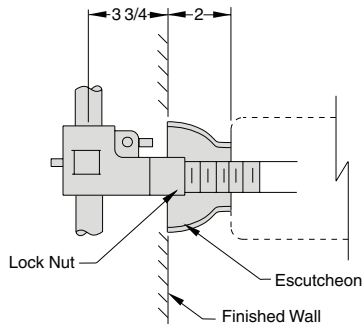
NOTE: It is recommended that Suffix -M31, 1 x 3 rectangular uprights (as shown) be used in non-load bearing wall construction.



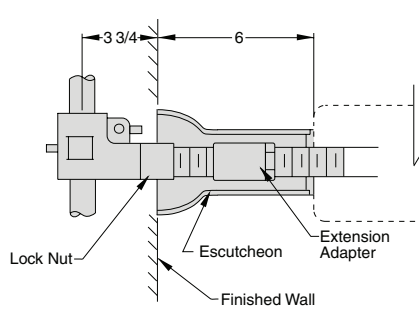
Clinic Service Sink - For use in utility rooms, emergency rooms and clean-up rooms. Specify Fig. 0915 (-M31). This support is supplied with a waste fitting and an adjustable coupling.

Always specify fixture make, number and size. Specify knee-action or pedal valve name and number when required.

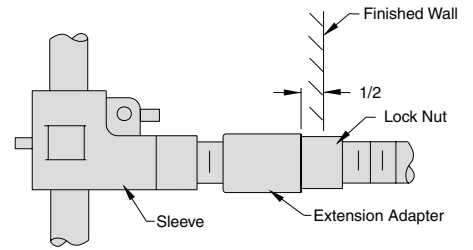
VARIATIONS AND INSTALLATION



SUFFIX -E Threaded Escutcheon. When using lavatories of the flat slab type, the manufacturer requires a 2" dimension from the face of the wall to the rear of the lavatory. The 2" dimension prevents water from accumulating at the wall and causing deterioration. The escutcheon is chrome plated and is available on all concealed arm type supports. Add Suffix -E to figure number required.

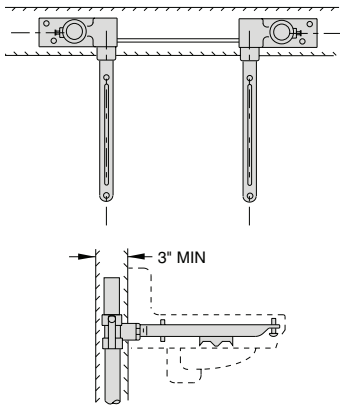


SUFFIX -E6 6" Long Threaded Escutcheon. When lavatories of the flat slab type are to be set away from the wall beyond the normal 2" setting, a 6" long escutcheon is provided with the same threaded arrangement as the regular 2" escutcheon. This escutcheon is chrome plated and is available on all concealed arm type supports. Add Suffix -E6 to figure number required.

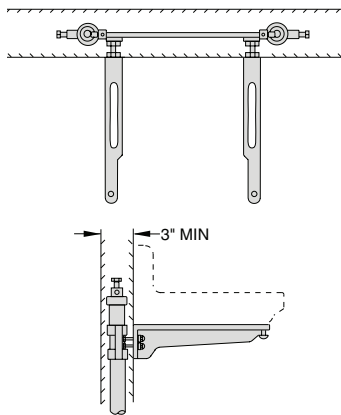


SUFFIX -M24 Extension Adaptor for Concealed Arm Support. When the standard (3 3/4") dimension from the face of the wall to the centerline of support upright, as shown in the illustration, is exceeded, use Suffix -M24 extension adaptor. The face of the extension adaptor should be set 1/2" in back of finished wall so the standard concealed arm and locking arrangement can be used for the lavatory regardless of the wall thickness. Add Suffix -M24 to Fig. No. required.

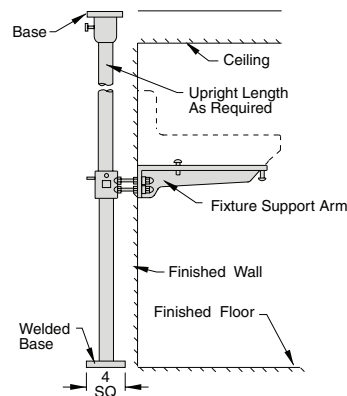
NOTE: Always specify overall wall thickness and center line of support location.



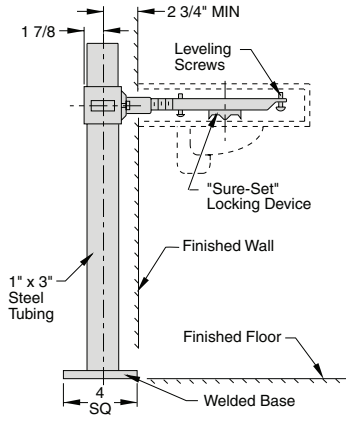
SUFFIX -Z Special Narrow Sleeve and Base for Concealed Arm Support. When a concealed arm lavatory support is to be installed in a narrow wall, a special narrow concealed arm sleeve and base are available for this type of installation. Add Suffix -Z to figure number required.



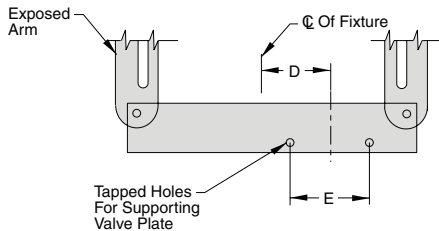
SUFFIX -Z Special Narrow Sleeve and Base for Exposed Arm Support. When an exposed arm lavatory or sink support is to be installed in a narrow wall, a special narrow sleeve and base are available for this type of installation. Add Suffix -Z to figure number required.



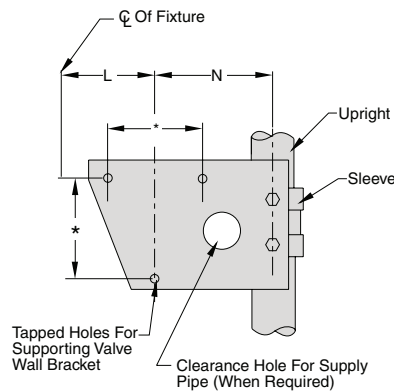
SUFFIX -M11 Floor-to-Ceiling Uprights. When required, floor mounted fixture supports can be supplied with floor-to-ceiling uprights for securing to the floor and to the ceiling above. Add Suffix -M11 to figure number required.



SUFFIX -M31 Rectangular Steel Uprights with Welded Bases. For use with metal stud and sheet rock wall construction. The rectangular shape upright offers greater structural strength and does not rely on the wall construction for support of the fixture. The rectangular upright keeps deflection to a minimum. For use with all floor mounted fixture supports. Add Suffix -M31 to figure number required.

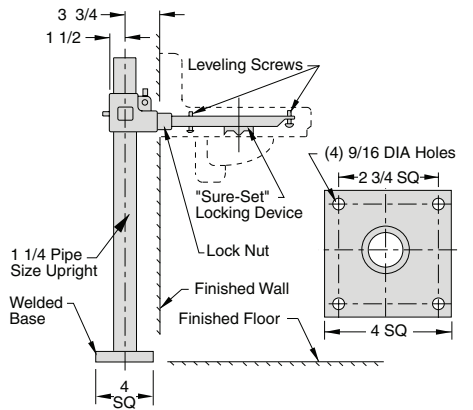


SUFFIX -KF Supporting Bar for Fixture Mounted Knee-Action Valve. Can be furnished on any exposed arm, wall or floor mounted sink support. Add Suffix -KF to figure number required.



*Dimension based on valve used.

SUFFIX -KW Supporting Plate for Wall Mounted Knee-Action Valve. Can be furnished on any floor mounted lavatory or sink support. Add Suffix -KW to figure number required.



WELDED BASE Regularly Furnished. Round steel upright with welded base. Used with floor mounted fixture supports. The base should be securely anchored to the floor construction w/(4) 1/2" bolts. (By others)

FIG. 0700, 0700D LAVATORY SUPPORTS WITH CONCEALED ARMS FLOOR MOUNTED WITH "PRO-SET" UPRIGHTS FOR HIGH BACK LAVATORIES

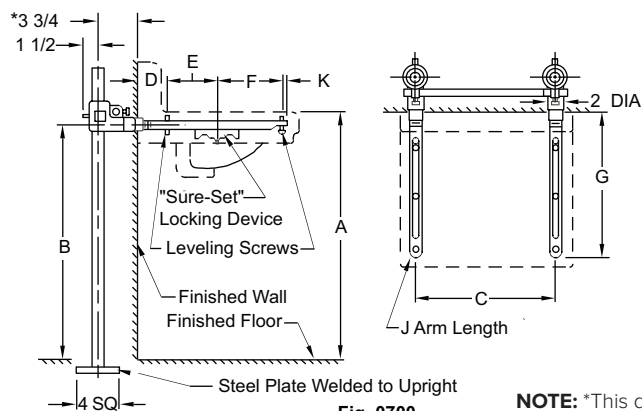


Fig. 0700

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0700	Single Support	1,565.00	29
0700D	Back to Back Support	2,223.00	41

FIG. 0700-27, 0700-27-M31, 0700D-27-M31 LAVATORY SUPPORTS WITH CONCEALED ARMS FLOOR MOUNTED TYPE FOR FLAT SLAB LAVATORIES

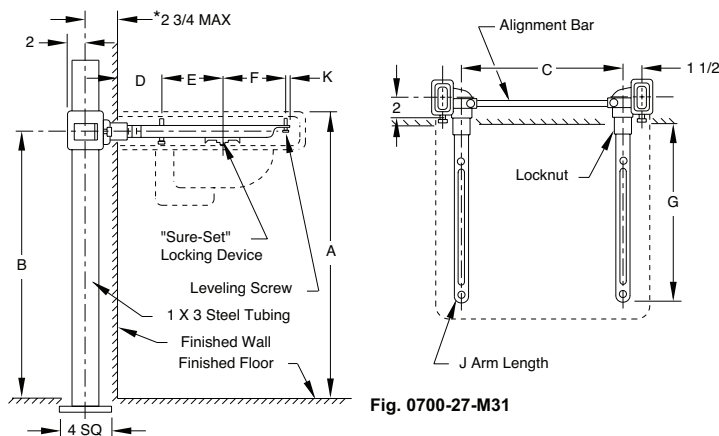


Fig. 0700-27-M31

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0700-27	Single Support for Wheelchair Lavatories	1,670.00	34
0700-27-M31	Single Support for Wheelchair Lavatories with Heavy Duty Rectangular Uprights	1,670.00	34
0700D-27-M31	Double Support for Wheelchair Lavatories with Heavy Duty Rectangular Uprights	2,433.00	40

FIG. 0700E, 0700DE LAVATORY SUPPORTS WITH CONCEALED ARMS FLOOR MOUNTED TYPE FOR FLAT SLAB LAVATORIES

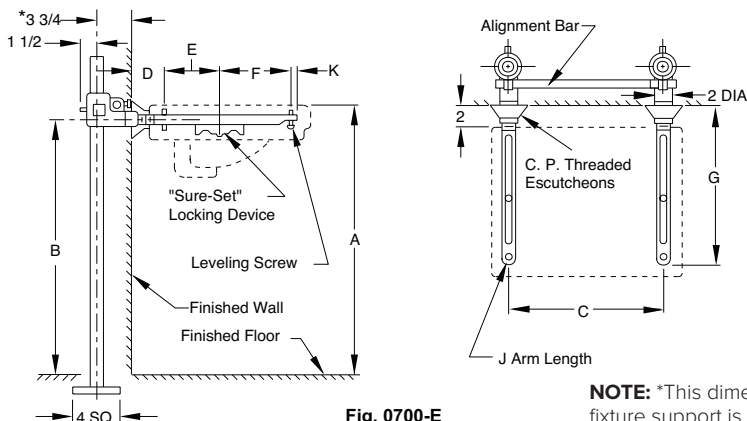


Fig. 0700-E

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0700E	Single Support w/2" CP Escutcheons	1,824.00	30
0700DE	Back to Back Support w/2" CP Escutcheons	2,741.00	42

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

FIG. 0710, 0710D LABOR SAVER® LAVATORY SUPPORTS FLOOR MOUNTED TYPE FOR HIGH BACK LAVATORIES

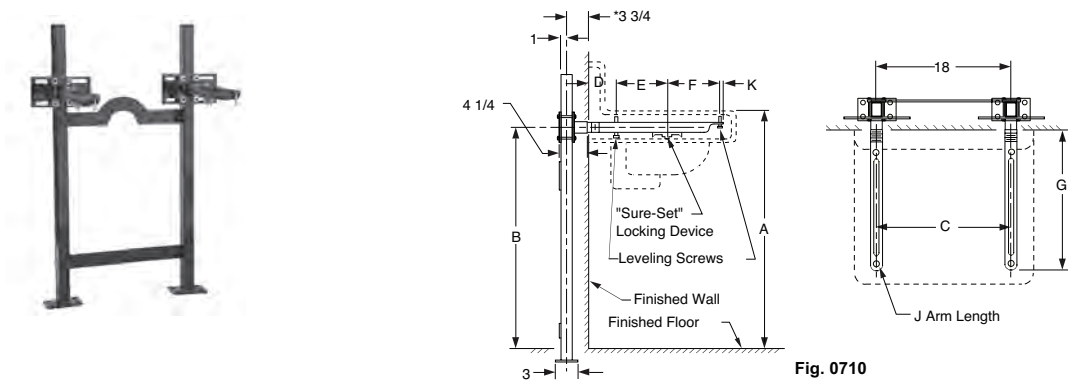


Fig. 0710

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0710	Single Support	2,121.00	29
0710D	Back to Back Support	2,855.00	41

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

FIG. 0710-27, 0710D-27 LABOR SAVER® LAVATORY SUPPORTS FLOOR MOUNTED TYPE FOR FLAT SLAB LAVATORIES

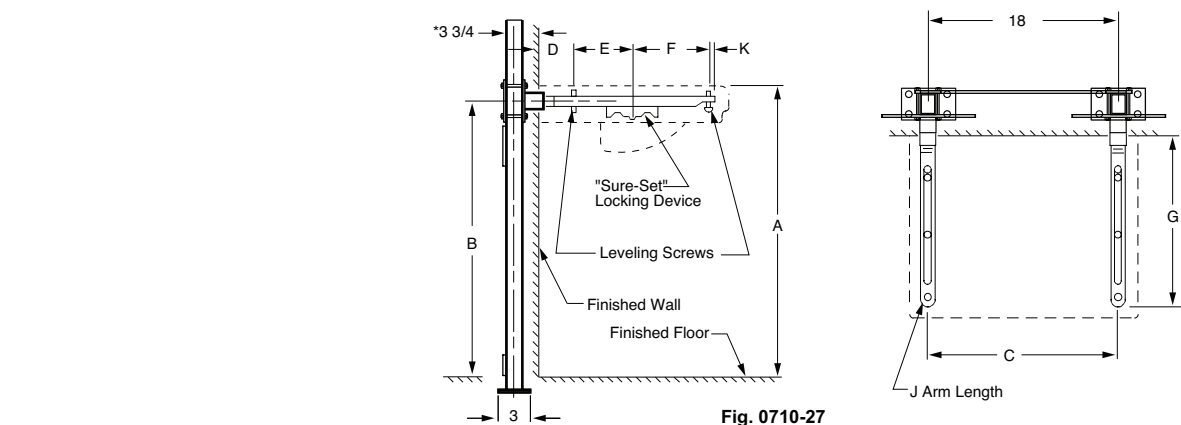


Fig. 0710-27

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0710-27	Single Support for Wheelchair Lavatories	2,226.00	34
0710D-27	Double Support for Wheelchair Lavatories	3,065.00	42

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

FIG. 0710E, 0710DE LABOR SAVER® LAVATORY SUPPORTS FLOOR MOUNTED TYPE FOR FLAT SLAB LAVATORIES

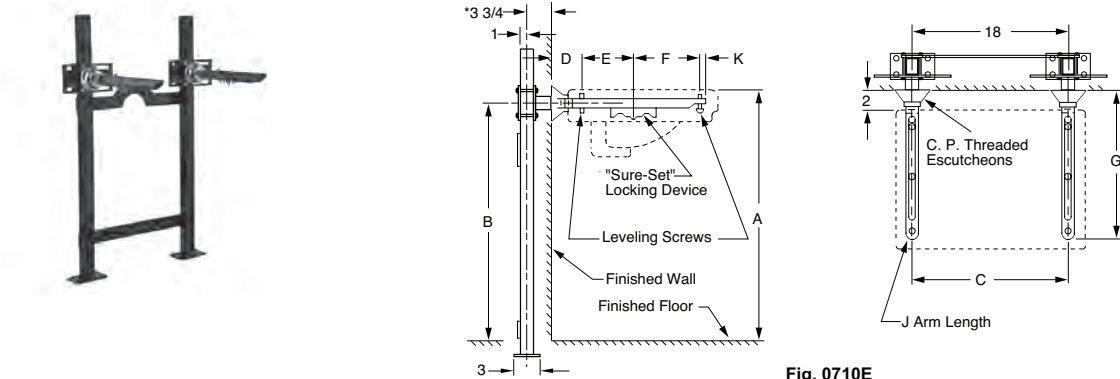


Fig. 0710E

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0710E	Single Support w/2" CP Escutcheons	2,380.00	30
0710DE	Back to Back Support w/2" CP Escutcheons	3,373.00	42

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0720, 0722, 0723, 0727, 0728 LAVATORY SUPPORTS WALL MOUNTED TYPE FOR HIGH BACK LAVATORIES—SINGLE SUPPORT

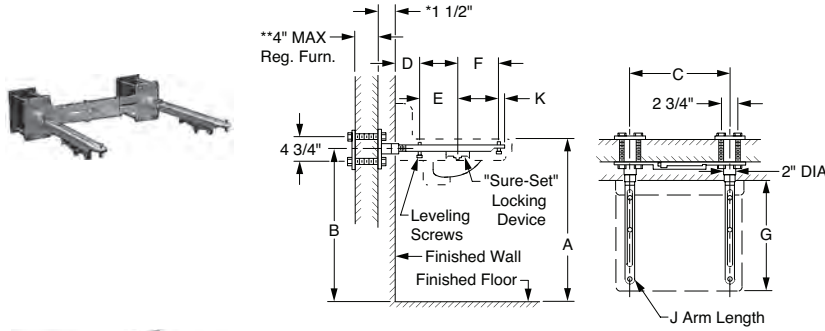


Fig. 0720

- * This dimension can be increased when required. (Specify thickness)
- **For greater wall thickness, longer supporting studs can be furnished. (Specify wall thickness)

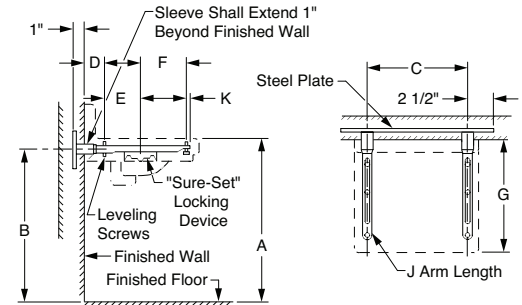


Fig. 0722

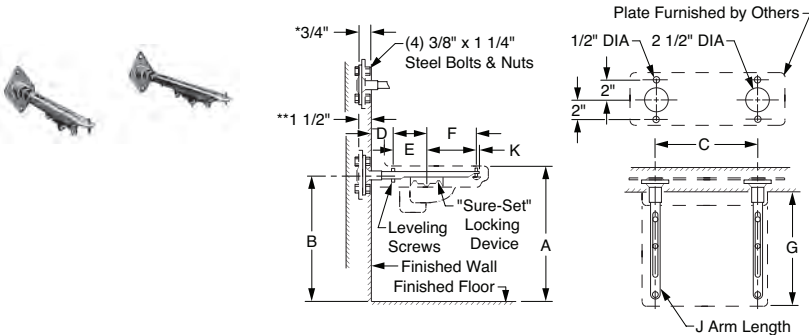


Fig. 0723

- * Arm support bracket shown bolted in back of wall plate for plaster wall construction.
- **Arm support bracket shown bolted in front of wall plate for tile wall construction.

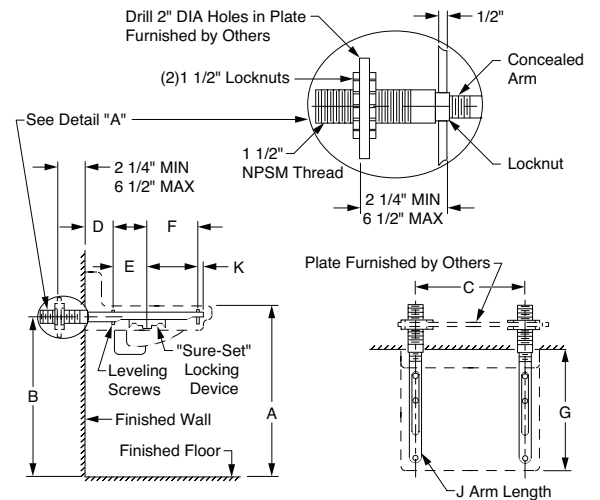


Fig. 0727

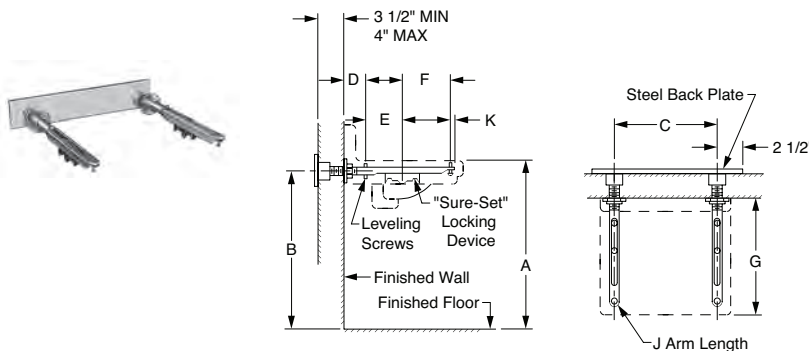


Fig. 0728

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0720	Set on Masonry or Stud Wall	914.00	22
0722	Set on Steel Plate Secured in Wall	714.00	22
0723	To Attach to Backing Plate Secured in Wall	714.00	22
0727	Using Adjustable Extension	914.00	23
0728	Set on Steel Plate Secured to Glazed Block Wall	914.00	24

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0720E, 0722E, 0723E, 0727E, 0728E LAVATORY SUPPORTS WALL MOUNTED TYPE FOR FLAT SLAB LAVATORIES-SINGLE SUPPORT

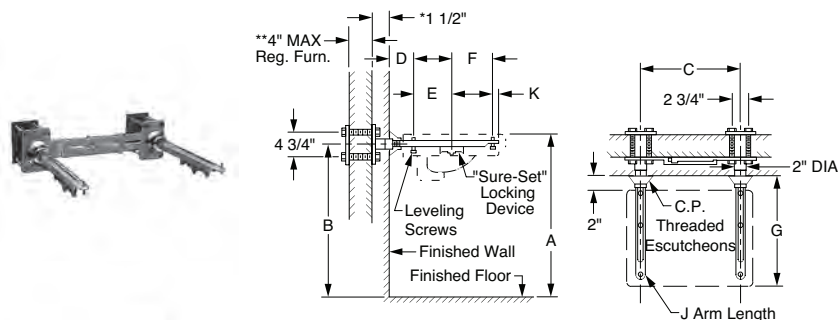


Fig. 0720E

* This dimension can be increased when required. (Specify thickness)

**For greater wall thickness, longer supporting studs can be furnished. (Specify wall thickness)

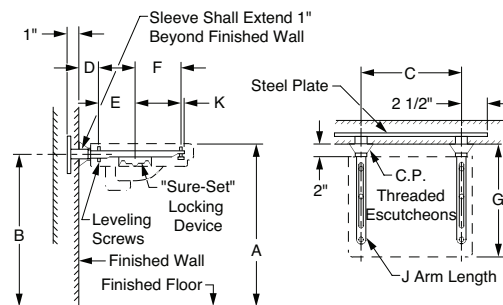


Fig. 0722E

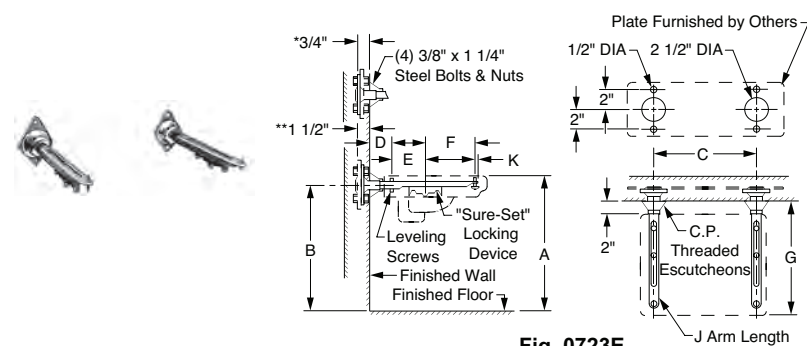


Fig. 0723E

* Arm support bracket shown bolted in back of wall plate for plaster wall construction.

** Arm support bracket shown bolted in front of wall plate for tile wall construction.

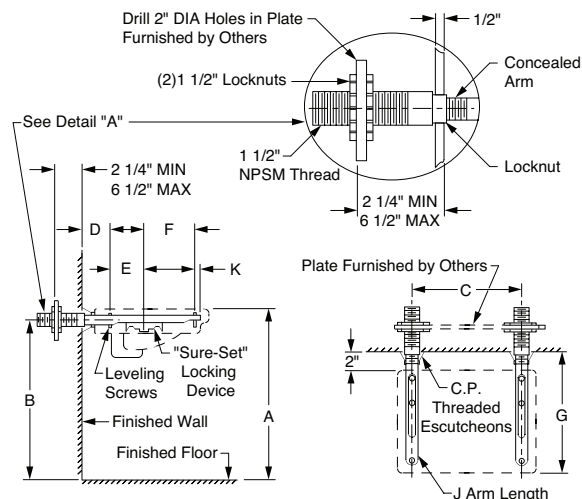


Fig. 0727E

For lettered dimensions contact factory.

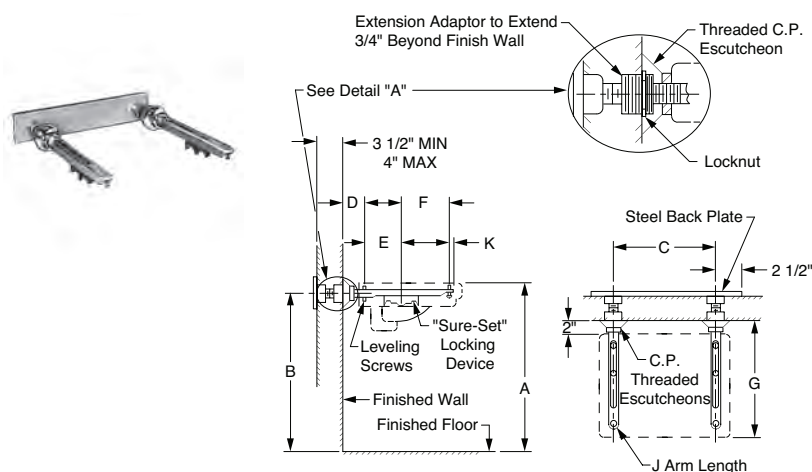


Fig. 0728E

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0720E	Set on Masonry or Stud Wall	1,173.00	24
0722E	Set on Steel Plate Secured in Wall	973.00	24
0723E	To Attach to Backing Plate Secured in Wall	973.00	24
0727E	Using Adjustable Extension	1,173.00	25
0728E	Set on Steel Plate Secured to Glazed Block Wall	1,173.00	26

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

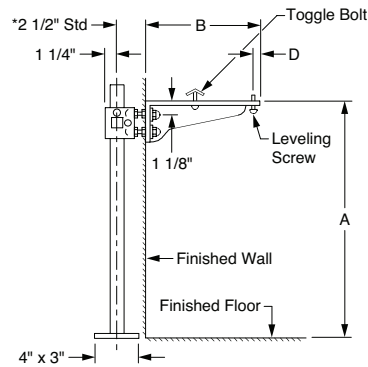


Fig. 0750

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0750	Single Support	2,197.00	32
0750D	Back to Back Support	3,450.00	41

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

NOTE: For metal stud wall construction, specify Suffix -M31 rectangular steel upright with welded base for greater strength.

For lettered dimensions contact factory.

FIG. 0752, 0752D LAVATORY SUPPORTS WITH ARC EXPOSED ARMS FLOOR MOUNTED TYPE FOR HIGH BACK ENAMELED IRON LAVATORIES

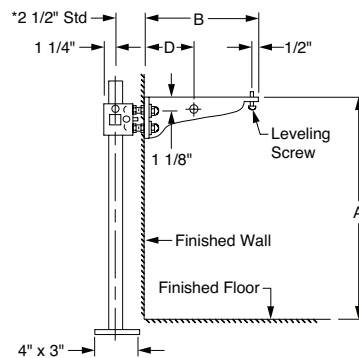


Fig. 0752

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

NOTE: For metal stud wall construction, specify Suffix -M31 rectangular steel upright with welded base for greater strength.

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0752	Single Support for Wheelchair Lavatories	2,197.00	26
0752D	Back to Back Support for Wheelchair Lavatories	3,450.00	33

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIG. 0760, 0760D LABOR SAVER® LAVATORY SUPPORTS WITH ARC EXPOSED ARMS FLOOR MOUNTED TYPE FOR FLAT SLAB AND HIGH BACK LAVATORIES

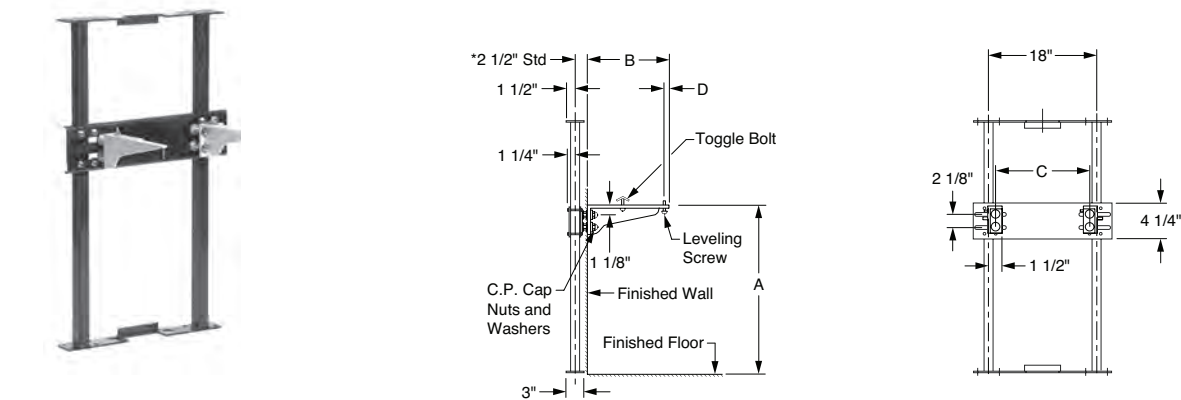


Fig. 0760

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0760	Single Support	2,855.00	32
0760D	Back to Back Support	4,487.00	41

FIG. 0762, 0762D LABOR SAVER® LAVATORY SUPPORTS WITH ARC EXPOSED ARMS FLOOR MOUNTED TYPE FOR HIGH BACK ENAMELED IRON LAVATORIES

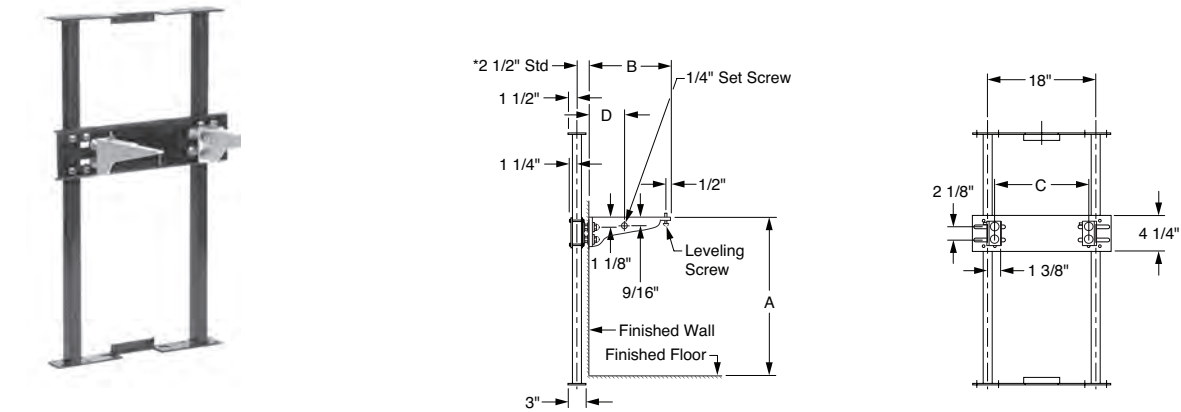


Fig. 0762

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

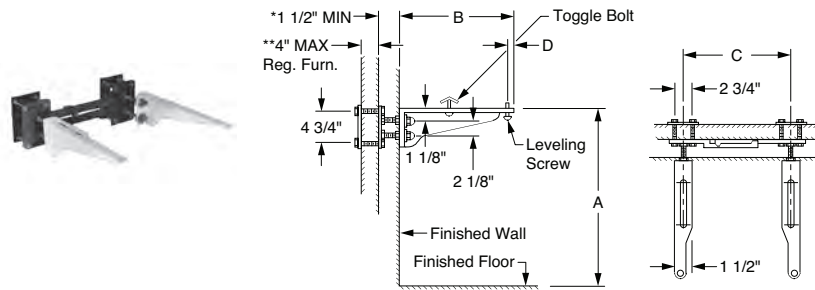
For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0762	Single Support for Wheelchair Lavatories	2,855.00	26
0762D	Double Support for Wheelchair Lavatories	4,487.00	33

NOTE: Service weight regularly furnished on fittings above.
 NOTE: Always specify fixture manufacturer's model name and number.

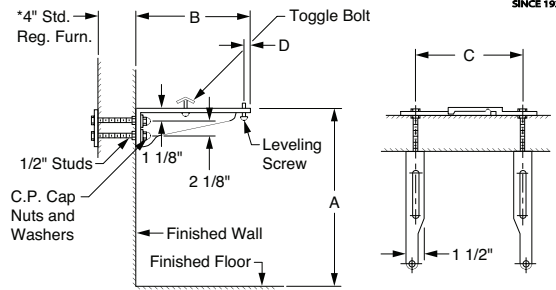
*REGULARLY FURNISHED

FIG. 0770, 0780, 0790, LAVATORY SUPPORTS WITH ARC EXPOSED ARMS WALL MOUNTED TYPE FOR FLAT SLAB AND HIGH BACK LAVATORIES



* This dimension can be increased when required (specify wall thickness).
** For greater wall thickness, longer support studs can be furnished (specify wall thickness).

Fig. 0770



* This dimension can be increased when required (specify wall thickness).

Fig. 0780

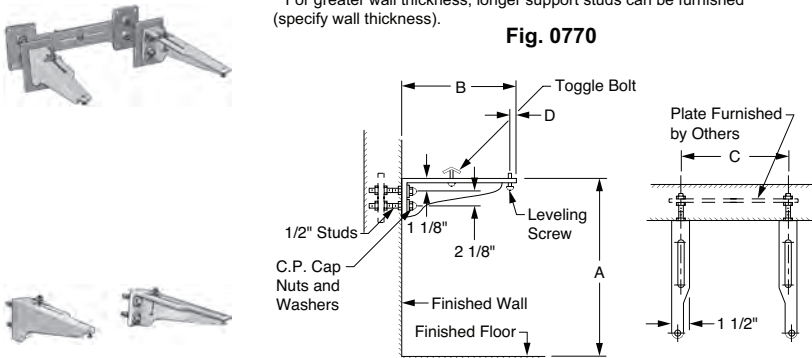
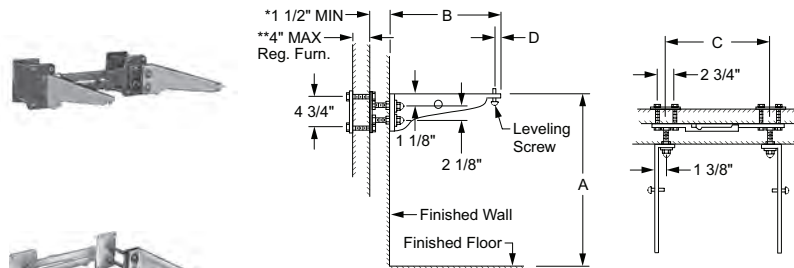


Fig. 0790

For lettered dimensions contact factory.

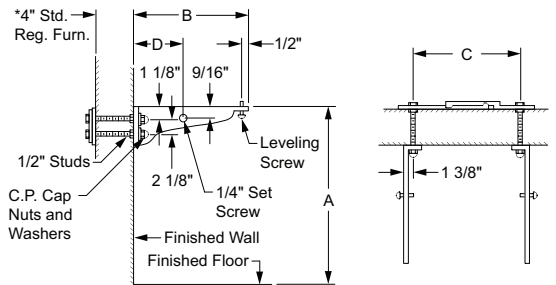
FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0770	Set on Masonry or Stud Wall	1,525.00	24
0780	Set on Glazed Block Wall	1,525.00	23
0790	To Attach to Backing Plate Secured in Wall	990.00	23

FIG. 0772, 0782, 0792 LAVATORY SUPPORTS WITH ARC EXPOSED ARMS FLOOR MOUNTED TYPE FOR HIGH BACK ENAMELED IRON LAVATORIES



* This dimension can be increased when required (specify wall thickness).
** For greater wall thickness, longer support studs can be furnished (specify wall thickness).

Fig. 0772



* This dimension can be increased when required (specify wall thickness).

Fig. 0782

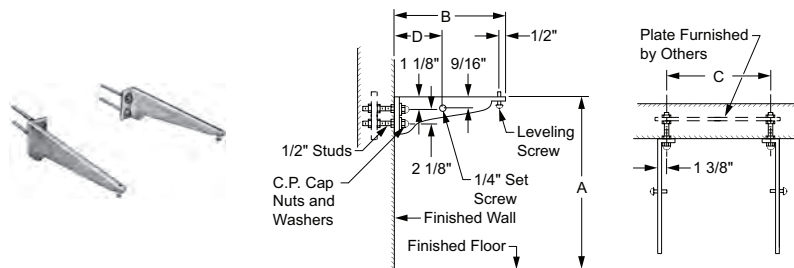


Fig. 0792

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0772	Set on Masonry or Stud Wall	1,525.00	18
0782	Set on Glazed Block Wall	1,525.00	18
0792	To Attach to Backing Plate Secured in Wall	990.00	13

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIGURE SUPPORTS

FIG. 0800, 0805 LAVATORY SUPPORTS FLOOR MOUNTED TYPE SUPPORTS WITH SUPPORTING PLATE & HARDWARE

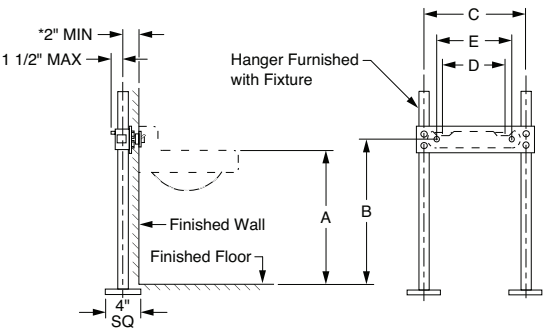


Fig. 0800

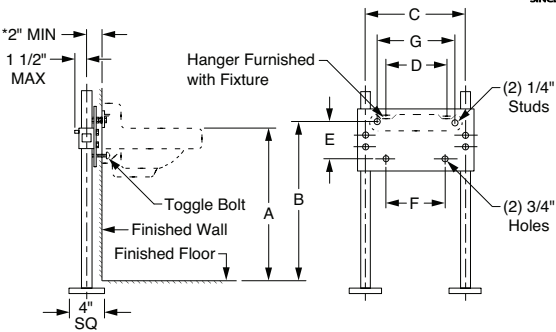


Fig. 0805

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: For metal stud wall construction, specify Suffix -M31 rectangular steel upright with welded base for greater strength.

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0800	With Bar Hanger	1,172.00	26
0805	With Bar Hanger & Bottom Securing Lugs	POA	17

FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

FIG. 0801, 0801D LABOR SAVER® LAVATORY SUPPORTS FLOOR MOUNTED TYPE SUPPORTS WITH SUPPORTING PLATE & HARDWARE

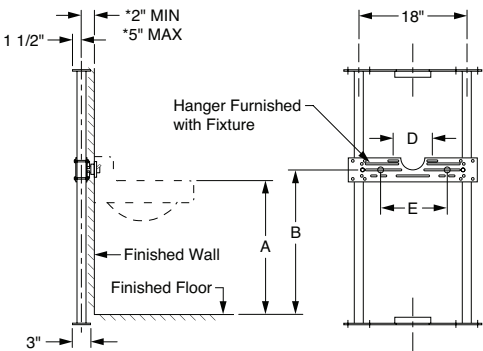


Fig. 0801

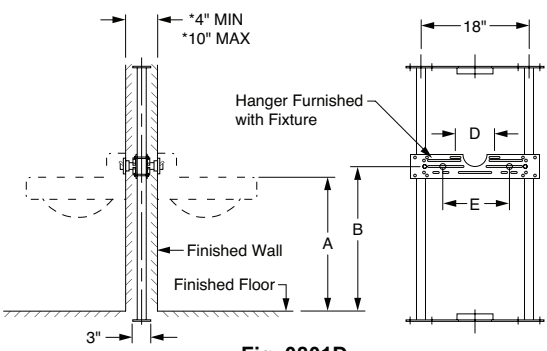


Fig. 0801D

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0801	Single-With Bar Hanger	1,522.00	26
0801D	Double-With Bar Hanger	2,020.00	35

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FIXTURE SUPPORTS

FIG. 0823, 0824, 0830, 0844 LAVATORY & DRINKING FOUNTAIN SUPPORTS FLOOR MOUNTED TYPE WITH SUPPORTING PLATE AND STUDS

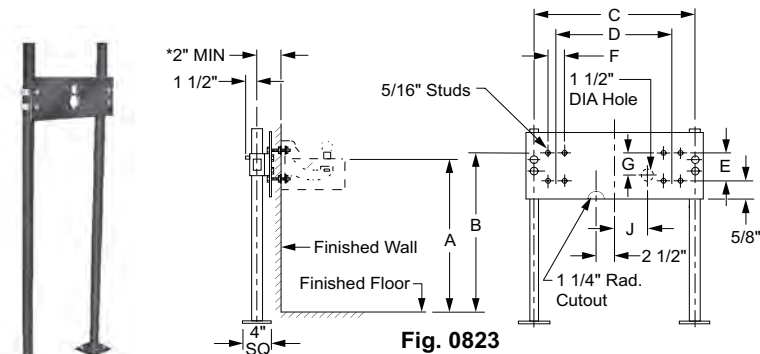


Fig. 0823

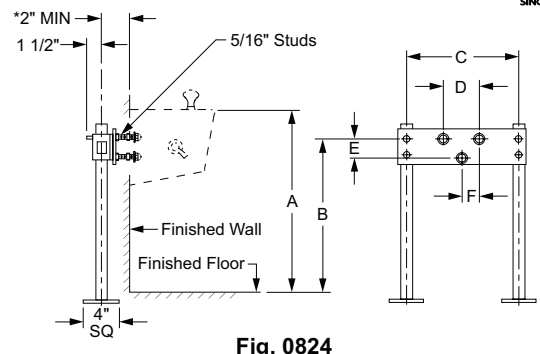


Fig. 0824

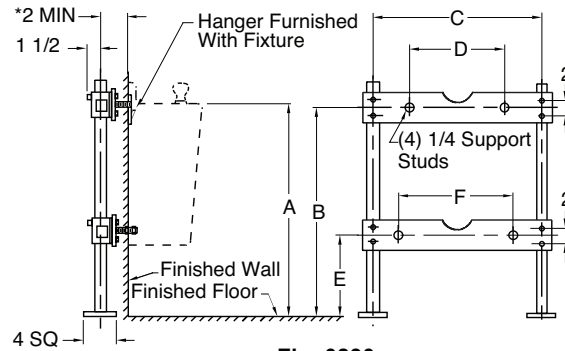


Fig. 0830

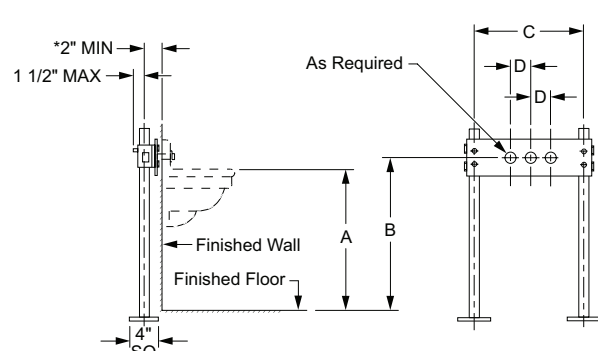


Fig. 0844

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: For metal stud wall construction, specify Suffix -M31 rectangular steel upright with welded base for greater strength. (0823, 0824, 0830 & 0844 only)

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0823	For Multiple Drinking Fountains with Wall Brackets	POA	19
0824	For Small Drinking Fountains with Integral Hangers	POA	20
0830	For Electric Water Coolers	1,308.00	32
0844	For High Back Institutional Type Lavatories	1,180.00	32

FIG. 0825, 0826, 0827-CH, 0828-CH LAVATORY & DRINKING FOUNTAIN SUPPORTS WALL MOUNTED TYPE

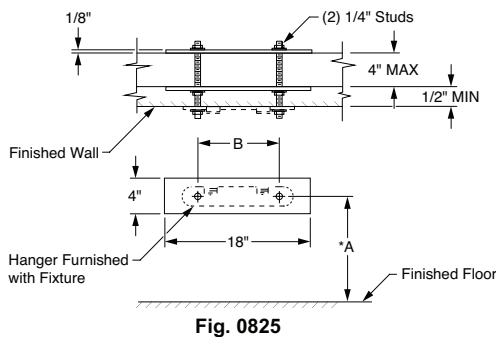


Fig. 0825

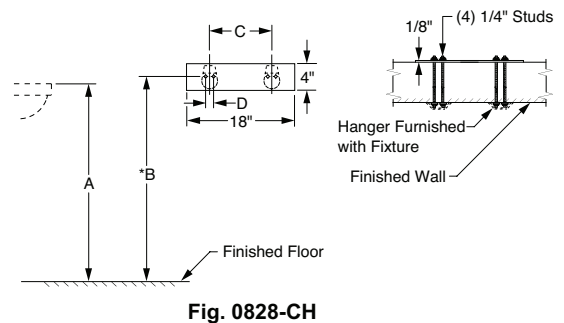


Fig. 0828-CH

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0825	For High Back Lavatories with Double Reinforced Plates	394.00	13
0826	For High Back Lavatories with Single Reinforced Plates	323.00	13
0827-CH	For Washdown Urinals with Concealed Hanger	365.00	15
0828-CH	For Washdown Urinals with Concealed Hanger	323.00	13

*NOTE: This dimension is based on a rim to finish floor height of 31".

For lettered dimensions contact factory.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED

FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

FIG. 0831 LABOR SAVER® LAVATORY AND SINK SUPPORTS WITH SUPPORTING PLATE AND STUDS

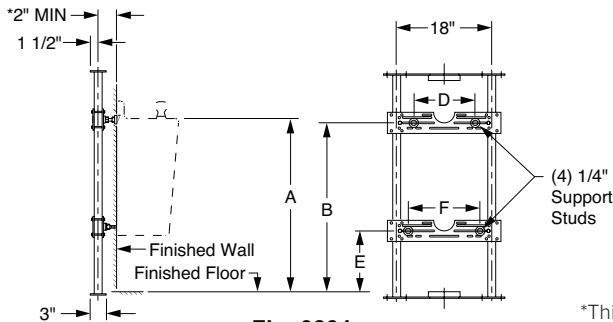


Fig. 0831

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0831	For Electric Water Coolers	1,696.00	32

FIG. 0870, 0870D HEAVY DUTY SINK SUPPORTS WITH ARC EXPOSED ARMS FLOOR MOUNTED TYPE

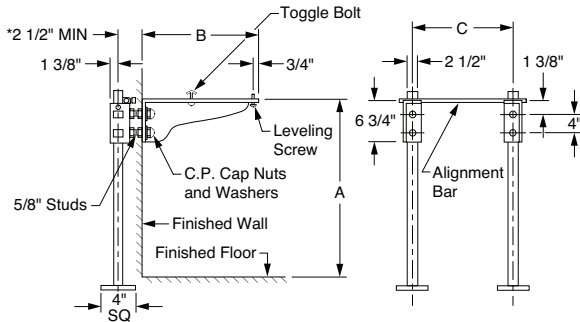


Fig. 0870

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: For metal stud wall construction, specify Suffix -M31 rectangular steel upright with welded base for greater strength.

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0870	For Kitchen & Service Sinks-Single Support	2,456.00	42
0870D	For Kitchen & Service Sinks-Back to Back Support	3,960.00	70

FIG. 0871, 0871D, 0876 HEAVY DUTY SINK SUPPORTS WITH ARC EXPOSED ARMS FOR SINKS WITH CAST LUGS

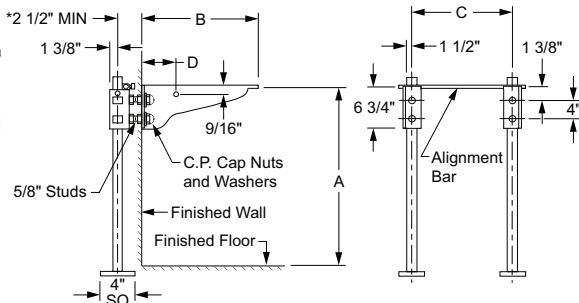


Fig. 0871

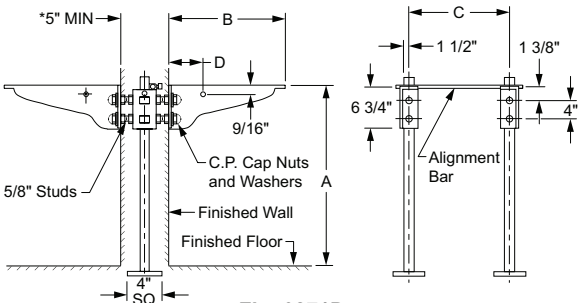


Fig. 0871D

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

NOTE: For metal stud wall construction, specify Suffix -M31 rectangular steel upright with welded base for greater strength.

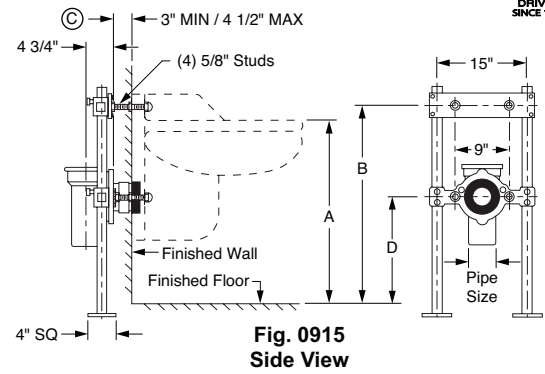
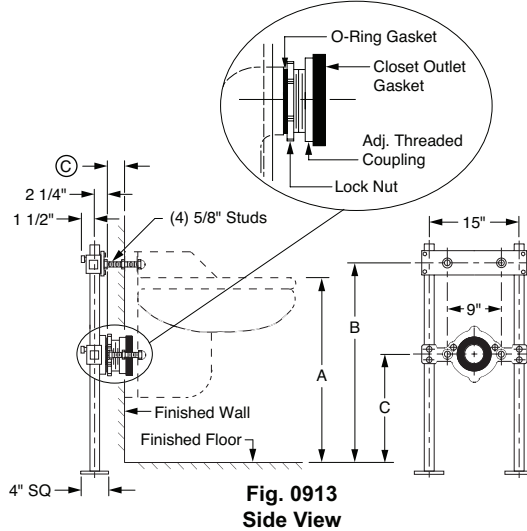
NOTE: For extra heavy duty support with 1 1/2" pipe uprights, add Suffix "X" to Fig. No.

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0871	For Enamel Iron Service Sinks-Single Support	2,456.00	23
0871D	For Enamel Iron Service Sinks-Back to Back Support	3,960.00	30
0876	For Perineal Bath	3,670.00	62

FIXTURE SUPPORTS

FIG. 0913, 0914, 0915, SERIES HEAVY DUTY SUPPORTS FOR SURGICAL SCRUB-UP AND FLUSHING RIM SINKS FLOOR MOUNTED TYPE



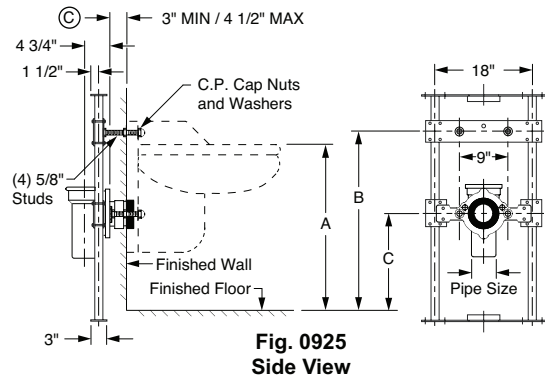
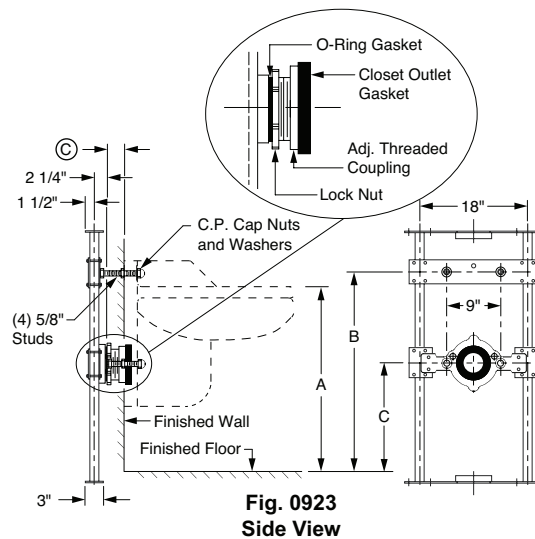
© This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0913	With Supporting Studs & Adjustable Coupling for 3" Back Outlet	1,865.00	49
0914	With Supporting Studs & Adjustable Coupling for 4" Back Outlet	1,865.00	48
0915	4" Caulk Fitting with 4" Vent	3,090.00	60
0915-1	4" Caulk Fitting with 2" Vent	3,090.00	64
0915-Y2	3" No-Hub Fitting with 2" Vent	3,090.00	55
0915-Y3	3" No-Hub Fitting with 3" Vent	3,090.00	57
0915-Y4	4" No-Hub Fitting with 2" Vent	3,090.00	58
0915-Y5	4" No-Hub Fitting with 4" Vent	3,090.00	58

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

FIG. 0923, 0924, 0925, SERIES LABOR SAVER® HEAVY DUTY SUPPORTS FOR SURGICAL SCRUB-UP AND FLUSHING RIM SINKS FLOOR MOUNTED TYPE



© This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0923	With Supporting Studs & Adjustable Coupling for 3" Back Outlet	2,429.00	49
0924	With Supporting Studs & Adjustable Coupling for 4" Back Outlet	2,429.00	48
0925	4" Caulk Fitting with 4" Vent	4,021.00	60
0925-1	4" Caulk Fitting with 2" Vent	4,021.00	64
0925-Y2	3" No-Hub Fitting with 2" Vent	3,463.00	55
0925-Y3	3" No-Hub Fitting with 3" Vent	3,463.00	57
0925-Y4	4" No-Hub Fitting with 2" Vent	4,021.00	58
0925-Y5	4" No-Hub Fitting with 4" Vent	4,021.00	58

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then fixture manufacturer shall be consulted for a suitable gasket recommendation. Jay R. Smith assumes no liability for connections to fixtures which do not conform to these standards.

NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

*REGULARLY FURNISHED



SUFFIX NO.	TYPE OF VARIATION DESCRIPTION	APPROX. WT. LBS.	ADD FOR	
			SINGLE	DOUBLE
-27	Extended Arms for Handicapped Lavatory	-	105.00	210.00
-E	2" Chrome Plated Bronze Escutcheons (For concealed arm supports only)	1	259.00	518.00
-E4	4" Chrome Plated Bronze Escutcheons (For concealed arm supports only)	1	464.00	928.00
-E6	6" Chrome Plated Escutcheons (For concealed arm supports only)	2	464.00	928.00
-KF	Support Bar for Fixture Mounted Knee Action Valve	1	234.00	468.00
-KW	Support Bar for Wall Mounted Knee Action Valve	1	234.00	468.00
-M11	Floor to Ceiling Uprights	-	POA	POA
-M24	Extension Adaptor for Back of Wall Installations, for Each Additional Inch of Wall Thickness over 4"	-	POA	POA
-M30	Special Offset Exposed Arm Application	-	N/C	N/C
-M31	Heavy Duty 3 X 1" Rectangular Uprights	-	N/C	N/C
-U	Vandal Proof Trim	-	208.00	416.00
-Z	For Narrow Wall Installations	-	N/C	N/C

ROOF DRAINS



Fig. 1001



Fig. 1005



Fig. 1010



Fig. DX1010



Fig. 1011



Fig. 1015



Fig. 1017



Fig. 1018



Fig. 1019



Fig. 1020



Fig. 1070



Fig. 1080



Fig. 1083



Fig. 1085



Fig. DX1240



Fig. DX1250



Fig. 1310



Fig. 1320



Fig. 1330



Fig. 1340



Fig. 1409



Fig. 1410



Fig. 1419



Fig. 1420



Fig. 1450



Fig. 1460



Fig. 1470



Fig. 1480



Fig. 1520



Fig. 1530



Fig. 1560



Fig. 1580



Fig. 1605



Fig. 1610



Fig. 1650



Fig. 1690



Fig. 1710



Fig. 1720



Fig. 1730



Fig. 1740



Fig. 1748



Fig. 1750



Fig. 1760



Fig. 1770



Fig. 1771



Fig. 1775



Fig. 1785



Fig. 1787



Fig. 1800



Fig. 1830



Fig. 1850



Fig. 1900 Series

ORDERING GUIDELINES



1000 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

1015C04 (-E04-CL-R-U)

Figure No.	_____	_____	_____	_____	_____	_____
Type of Outlet (Caulk)	_____	_____	_____	_____	_____	_____
Pipe Size (Inches)	_____	_____	_____	_____	_____	_____
Extension (4")	_____	_____	_____	_____	_____	_____
"L" Shaped Underdeck Clamp	_____	_____	_____	_____	_____	_____
Sump Receiver	_____	_____	_____	_____	_____	_____
Vandal Proof	_____	_____	_____	_____	_____	_____

Drain Outlet Types:

- | | |
|-----|--|
| C | Caulk Outlet |
| T | Threaded Outlet |
| Y | NO-HUB Outlet |
| L | Speedi-Set® Service Weight
(02, 03 & 04" sizes) |
| LXH | Speedi-Set® Extra Heavy
(02, 03 & 04" sizes only) |

Example: Pipe Size (Inches)

- | |
|---------|
| 02 - 2" |
| 03 - 3" |
| 04 - 4" |
| etc. |

Example: Extensions 3/4" and up

Order as follows:

- | |
|--------------|
| 3/4" -E075 |
| 1" -E01 |
| 1 1/2" -E015 |
| etc. |

Example: Exterior Water Dam

- | |
|----------------|
| 2 1/2" - WD025 |
| 3" - WD03 |
| 4" - WD04 |

ROOF DRAIN TECHNICAL DATA

DEFINITION - ORIGIN - USAGE

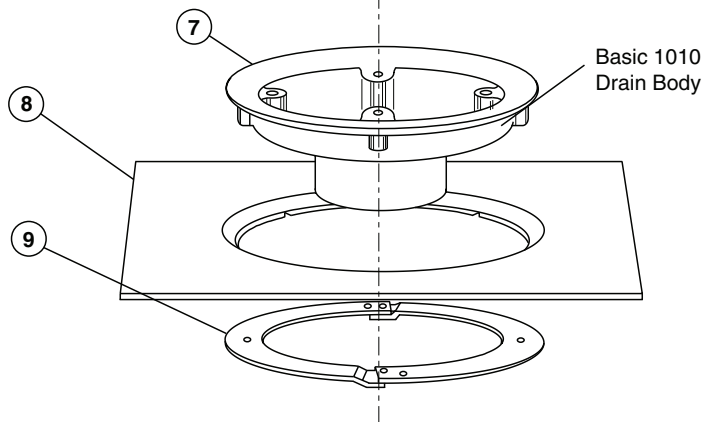
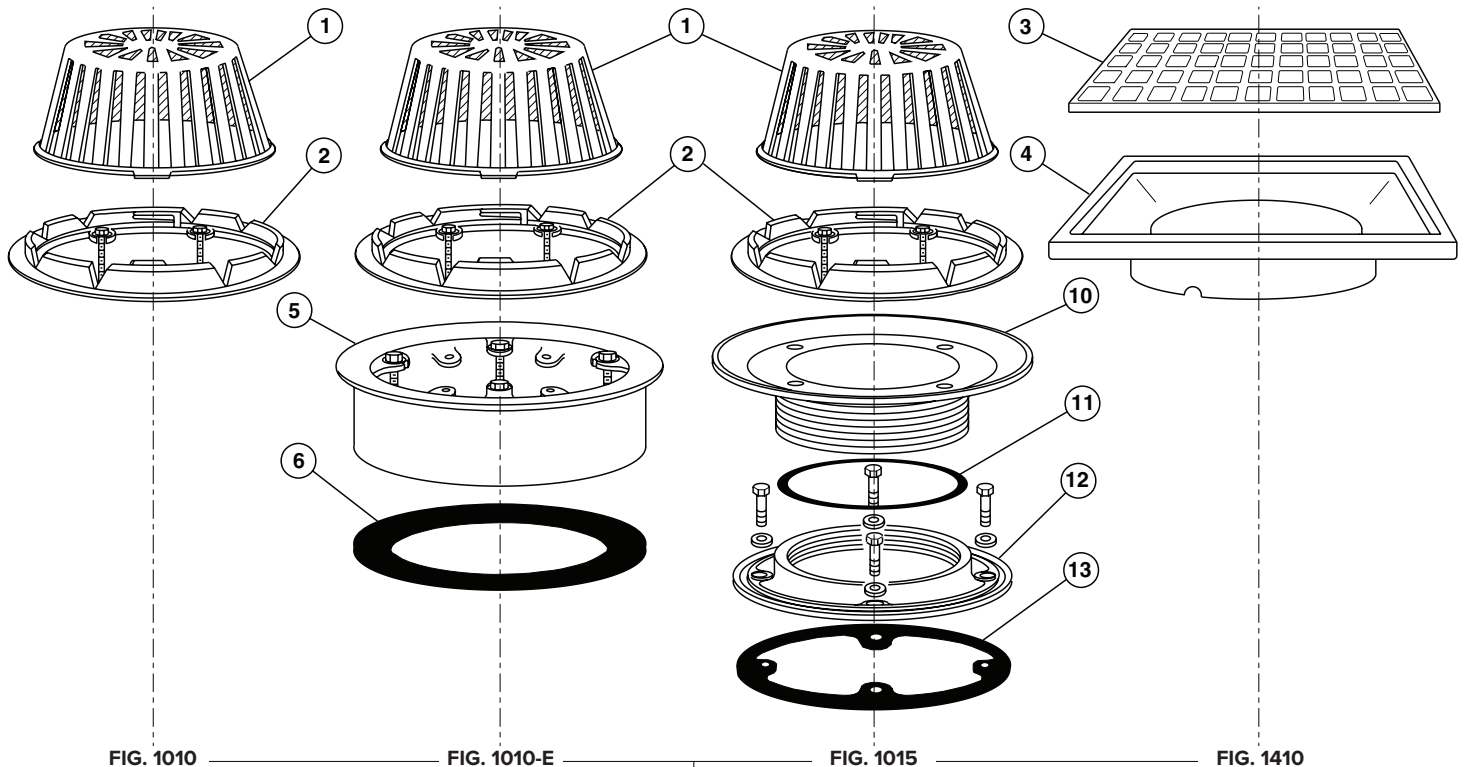
The modern roof drain is designed to drain off rain water in the most effective manner possible while maintaining an aesthetic appeal because in many instances it is placed in full view of the public.

Through the years, Smith has attempted to satisfy both the artistic eye of the architect and the calculating mind of the engineer, concluding the properly designed roof drain must have the following features:

- Pleasing dome shape with a low profile and adequate free drainage
- Corrosion-resisting dome material
- Effective debris protection
- Overflow drainage to allow drainage during debris build-up
- Gravel stop
- Positive Flashing Clamp
- Page control channels
- Sump designed to minimize air entrapment
- Flexibility to meet all construction requirements

Smith roof drains include all of these features.

TYPICAL SMITH ROOF DRAINS



ROOF DRAIN PARTS LIST

NO.	DESCRIPTION	NO.	DESCRIPTION
1	High Density Polyethylene Dome	7	Drain Body
2	Combined Cast Iron Flashing Clamp and Gravel Stop	8	Sump Receiver
3	Secured Square Hole Grate	9	Underdeck Clamp
4	Flashing Clamp for Square Grate	10	Adjustable Extension Sleeve
5	Fixed Extension	11	O-Ring Gasket
6	Fixed Extension Gasket	12	Reversible Collar
		13	Neoprene Gasket

SELECTING A ROOF DRAIN

To select the proper roof drain, the following information must be determined by the designer/specifier.

- Type of roof construction
- Roof pitch
- Maximum volume of expected rainfall and storm design criteria (This information must be obtained from your local weather bureau and/or local code authority)
- Desired rate of drainage
- Safety overflow requirements (Emergency/secondary overflow roof drains are recommended. Local codes vary but it is recommended to provide a 1 to 1 ratio)

- Roof load (The maximum possible rainwater [build-up] load should be determined and provided to the structural engineer for inclusion in the roof structure design)
- Location of drains (Consult your local code requirements)
- Size
- Vandal-proofing
- **NOTE: ALWAYS CONSULT YOUR LOCAL CODE FOR SIZING AND DESIGN CRITERIA WHEN DESIGNING THE ROOF DRAIN SYSTEM. LOCAL CODE REQUIREMENTS TAKE PRECEDENCE OVER CATALOG INFORMATION.**
- **DATA SHOWN IN TABLES 1 AND 2 BELOW ARE TAKEN FROM THE UNIFORM PLUMBING CODE (UPC) - 2006 EDITION.**

SUGGESTED STEPS FOR SELECTING PROPER ROOF DRAIN LEADER SIZES AND NUMBER REQUIRED FOR A GIVEN ROOF

	Example: Using a 4" Vertical Leader	Example: Using a 6" Vertical Leader
1. Calculate the total roof area.	1. Total roof area - 500' by 200' = 100,000 sq. ft.	1. Total roof area - 500' by 200' = 100,000 sq. ft.
2. Determine the maximum hourly rainfall in inches. (The figure can be acquired from your local weather bureau and/or local code authority.)	2. Determine rate of rainfall - for this example use 4".	2. Determine rate of rainfall - for this example use 4".
3. Select leader size.	3. After studying building plan and physical arrangement, assume that 4" leaders are required for this project.	3. After studying building plan and physical arrangement, assume that 6" leaders are required for this project.
4. From Table 1, determine the number of square feet that can be drained by one roof leader at the local maximum rainfall rate.	4. From Table 1 - one 4" leader at 4" rate of rainfall will take care of 3,460 sq. ft. of roof area.	4. From Table 1 - one 6" leader at 4" rate of rainfall will take care of 10,200 sq. ft. of roof area.
5. Divide the total roof area by the area that one leader will handle. The above result is the number of roof drains required for the building. If the result is a fraction less, use the next higher number.	5. Number of roof leaders required is 29 (100,000 sq. ft. divided by 3,460 sq. ft.), Therefore 29 roof drains would be required.	5. Number of roof leaders required is 10 (100,000 sq. ft. divided by 10,200 sq. ft.), Therefore 10 roof drains would be required.

TABLE 1
ROOF DRAIN VERTICAL LEADER REQUIREMENTS FOR HORIZONTAL ROOF AREAS AT VARIOUS RAINFALL RATES

Leaders [2] [4] Pipe Size Inches	Size Open Area SQ. IN.	Maximum Allowable Horizontal Projected Roof Area Square Feet at Various Rainfall Rates [1]					
		1 IN./HR.	2 IN./HR.	3 IN./HR.	4 IN./HR.	5 IN./HR.	6 IN./HR.
02	3.14	2,176	1,088	725	544	435	363
03	7.06	6,440	3,220	2,147	1,610	1,288	1,073
04	12.56	13,840	6,920	4,613	3,460	2,768	2,307
05	19.60	25,120	12,560	8,373	6,280	5,024	4,187
06	28.30	40,800	20,400	13,600	10,200	8,160	6,800
08	50.25	88,000	44,000	29,333	22,000	17,600	14,667

TABLE 1 IS BASED ON TABLE 11-1 FROM THE UNIFORM PLUMBING CODE (UPC) - 2006 EDITION
[1] For rainfall rates other than those listed, determine the allowable roof area by dividing the area given in the 1 in./hr. column by the desired rainfall rate.

TABLE 2				
ALLOWABLE FLOW FOR VERTICAL LEADERS AND HORIZONTAL STORM DRAINS				
ALLOWABLE FLOW IN G.P.M. [2] [3]				
PIPE SIZE	[2] [4] VERTICAL LEADER	HORIZONTAL STORM DRAIN SLOPE PER FOOT		
		1/8"[3]	1/4"[3]	1/2"[3]
02	23	10	15	20
03	67	34	48	68
04	144	78	110	156
05	261	139	196	278
06	424	222	314	445
08	913	478	677	956
10	-	860	1214	1721
12	-	1384	1953	2768
15	-	2473	3491	4946

TABLE 2 IS BASED ON TABLE 11-2 FROM THE UNIFORM PLUMBING CODE (UPC) - 2006 EDITION.
[2] The sizing data for vertical conductors, leaders, and drains are based on the pipes flowing 7/24 full. Head of water over drain will determine exact flow rates.
[3] The sizing for the horizontal piping is based on the pipes flowing full.
[4] To avoid severe hydraulic jump and/or backpressure, good engineering practice requires the vertical leader transition into a larger size horizontal storm drain per the GPM flow indicated in Table 2 for 1/8" and 1/4" sloped storm drains.

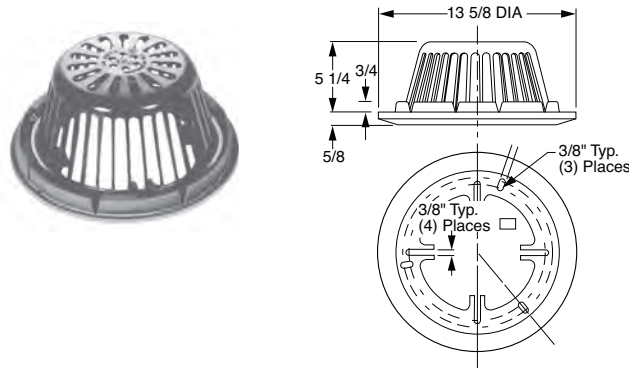
STEPS FOR CALCULATING DRAINAGE REQUIREMENTS FOR ABOVE EXAMPLE USING G.P.M.

1. Use the following formula to determine G.P.M.:
G.P.M. = .0104 x R x A
G.P.M. = Gallons per minute
R = Rainfall intensity - inches/hour
A = Roof area - square feet
.0104 = Conversion factor - G.P.M./sq. ft. for 1" (one) inch/hr. rainfall
2. **Example:**
A. 4" rainfall inches/hr.
B. 100,000 sq. ft. roof area
C. G.P.M. = .0104 x 4" x 100,000 sq. ft. = 4,160 G.P.M.
3. Refer to table 2: a 4" leader [2] will handle 144 G.P.M.
4,160 G.P.M ÷ 144 = (28.8) 29 - 4" vertical leaders required.

Refer to Table 2: a 6" leader [2] will handle 424 G.P.M.
4,160 G.P.M. ÷ 424 = (9.8) 10 - 6" vertical leaders required.

ROOF DRAINS

FIG. 1001 UNIVERSAL REPLACEMENT DOME AND COLLAR ASSEMBLY

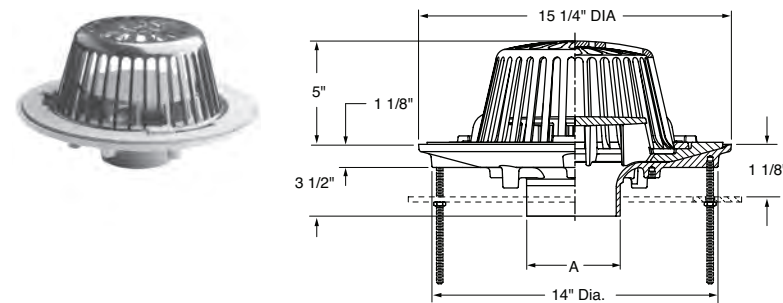


OPTIONS:		ADD
-AD	Aluminum Dome	POA
-CID	Cast Iron Dome	POA
-CID8	8" High Cast Iron Dome	POA
-CIDG	Galvanized Cast Iron Dome (add to -CID)	POA
-G	Galvanized Collar	POA
-LD	Less Dome	(Specify Fig. 1002)
	Perforated Stainless Steel Gravel Guard (Specify Height)	POA
-RBD	Rough Bronze Dome	POA
-SSM	Stainless Steel Mesh Covered Dome (Specify Dome)	POA
	Solid Water Dam Collar (Specify Height)	POA
-U	Vandal Proof	POA

REGULARLY FURNISHED: Polyethylene "Twist Lock" Dome and Duco Coated Universal Cast Iron Membrane Clamping Collar with Mounting Hardware.

COLLAR DIA.	FREE AREA SQ. IN.	[†] DUCO CI COLLAR POLY DOME	APPROX. WEIGHT LBS.
13 5/8"	102.5	POA	14.72

FIG. 1005 SIPHONIC ROOF DRAIN 15 1/4" DIAMETER - LOW PROFILE DOME



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	[†] DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, *0250"	15 1/4"	102.5	POA	39
03, 04"	15 1/4"	102.5	POA	39

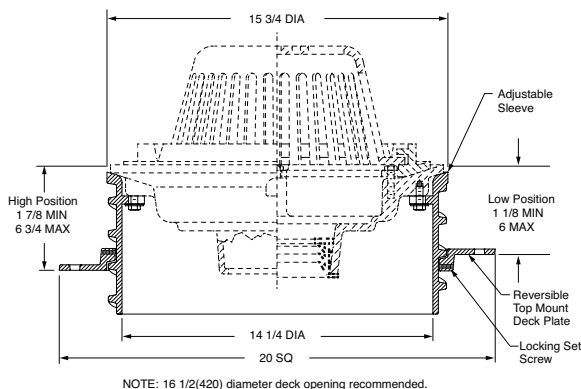
REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp, Air Baffle and Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)			
Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
No-Hub	Y02, Y03, Y04	3 1/2"	POA

*2 1/2" pipe size has O.D. of Sch. 40 pipe.

OPTIONS:		ADD
-AD	Aluminum Dome	POA
-C	Aluminum Underdeck Clamp	POA
-C10	Underdeck Clamp for 10" Deck Opening	POA
-CID	CI Dome	POA
-CIDG	Galv. Cast Iron Dome (add to -CID)	POA
-CL	"L" Shaped Underdeck Clamp	POA
-G	Galvanized CI	POA
-R	Sump Receiver	POA
-RBD	Rough Bronze Dome	POA
-U	Vandal Proof Screws	POA

FIG. 1010DEK TOP MOUNT DRAIN ELEVATOR



NOTE: 16 1/2(420) diameter deck opening recommended.

Product Features:

- Elevates Figure Numbers 1005, 1010, 1070 & 1080 type roof drains.
- Adjustable to compensate for insulation thickness.
- Top adjustment at deck for an easier and more secure installation.
- Overall adjustment height of 6 3/4".
- Drain Elevator is outside of the waterway, eliminating leaks.
- The cast thread design provides for a quick adjustment - up or down; full adjustment achieved with one full turn.
- Top mount reversible collar eliminates the need for a conventional extension, underdeck clamp and sump receiver.

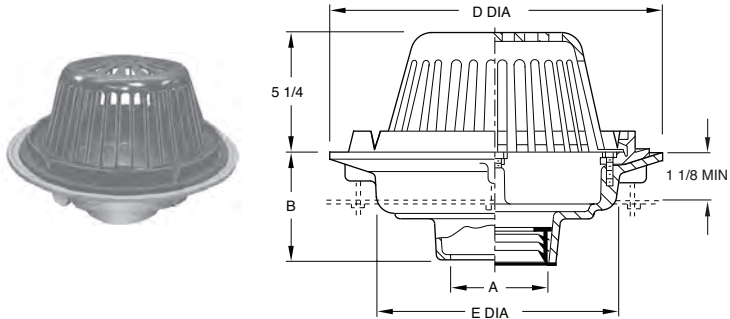
[†]DUCO CI
POA

REGULARLY FURNISHED: Duco Coated Cast Iron Adjustable Sleeve and Top Mount Reversible Deck Plate.

FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

[†]REGULARLY FURNISHED

FIG. 1010 16" DIAMETER - LOW PROFILE DOME



A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	11"	102.5	1,113.00	1,495.00	28
05, 06"	15 1/4"	11"	102.5	1,594.00	1,976.00	28
08"	16"	12 1/2"	102.5	2,072.00	2,454.00	30

A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	***DUCO CI CI DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
08"	20"	16"	228	2,936.00	3,849.00	60
10"	16"	12 1/2"	122.5	3,235.00	4,072.00	62
10"	20"	16"	228	3,352.00	4,265.00	63
12"	20"	16"	228	3,465.00	4,378.00	65

**Add \$557.00 to Galvanize the Cast Iron Dome.

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Dome.

OUTLET VARIATIONS

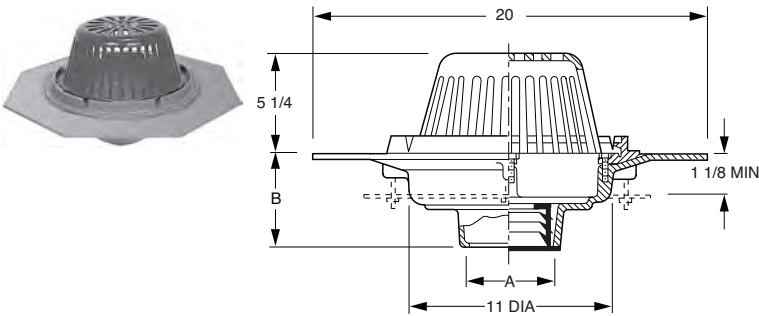
(Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08, C10	*6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08, T10	*5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08, Y10	*6"	N/C
	Y12	7 3/4"	N/C

*This dimension is for 16" dia. flange size body. For 20" flange size body dimension is 7 3/4".

OPTIONS:	ADD
-B Bucket	396.00
-C Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	376.00
-C Cast Iron Underdeck Clamp (20" Flange Bodies)	747.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CID CI Dome (when not reg. furn.)	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High CI Dome	714.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-DEP Deck Extension Plate	1,075.00
-DID Drain Installation Device 2-6"	556.00
-E Extension up to 4"	1,030.00
-E per inch over 4"	245.00
-G Galvanized CI	1,491.00
-GRT CI Grate in lieu of Dome (16" Flange Bodies)	1,075.00
-PDSSM SS Mesh on Poly Dome	779.00
-R Sump Receiver (15 & 16" Flange Bodies)	418.00
-R Sump Receiver (20" Flange Bodies)	837.00
-RBD Rough Brz Dome	1,289.00
-RDP Roof Deck Plate (15 & 16" Flange)	674.00
-RDP Roof Deck Plate (20" Flange)	1,206.00
-SSM SS Mesh on Metal Dome (Specify dome)	779.00
-U Vandal Proof Dome	191.00

FIG. DX1010 WIDE FLANGE BODY - SECURED DOME



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	20"	102.5	3,158.00	50
05, 06"	20"	102.5	3,625.00	50

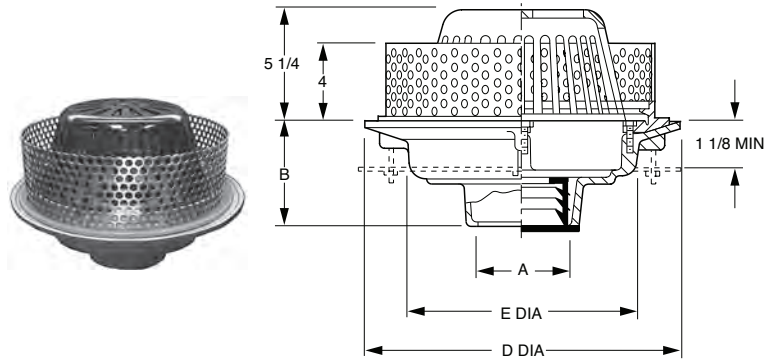
REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	382.00
-C Aluminum Underdeck Clamp	376.00
-CID CI Dome	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High CI Dome	714.00
-CL Angular Underdeck Clamp	759.00
-G Galvanized CI	1,944.00
-PDSSM SS Mesh on Poly Dome	779.00
-RBD Rough Brz Dome	1,289.00
-SH Securing Holes	189.00
-SSM SS Mesh on Metal Dome	779.00
-U Vandal Proof Dome	191.00

*REGULARLY FURNISHED



A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	11"	102.5	2,342.00	2,724.00	28
05, 06"	15 1/4"	11"	102.5	2,823.00	3,205.00	28

A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	***DUCO CI CI DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
08"	20"	16"	228	4,157.00	5,069.00	60
10"	20"	16"	228	4,577.00	5,490.00	60

**Add \$557.00 to Galvanize the Cast Iron Dome.

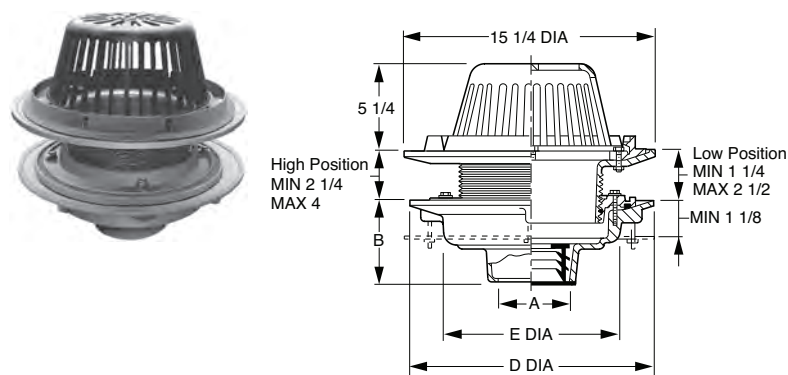
REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp, 1/16" Thick, 4" High Stainless Steel Perforated Gravel Stop with 3/8" Dia. Openings and Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08, C10	7 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08, T10	7 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08, Y10	7 3/4"	N/C

OPTIONS:	ADD
-C Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	376.00
-C Cast Iron Underdeck Clamp (20" Flange Bodies)	747.00
-CID CI Dome (when not reg. furn.)	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High CI Dome	714.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-DEP Deck Extension Plate	1,075.00
-G Galvanized CI	1,491.00
-GG Perf SS Gravel Stop over 4", per inch	119.00
-PDSSM SS Mesh on Poly Dome	779.00
-R Sump Receiver	418.00
-R Sump Receiver (20" Flange Bodies)	837.00
-RBD Rough Bronze Dome	1,289.00
-RDP Roof Deck Plate (15 & 16" Flange Bodies)	674.00
-RDP Roof Deck Plate (20" Flange Bodies)	1,206.00
-SSM SS Mesh on Metal Dome	779.00
-U Vandal Proof Dome	191.00

FIG. 1015 ROOF DRAIN WITH ADJUSTABLE EXTENSION



A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	11"	102.5	2,211.00	54
05, 06"	15 1/4"	11"	102.5	2,692.00	54
08"	16"	12 1/2"	102.5	3,170.00	58

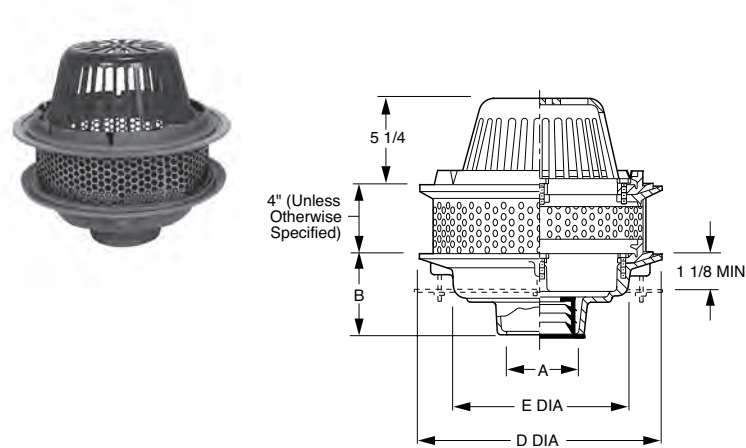
REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Extension Sleeve, Reversible Collar, Combined Flashing Clamp and Gravel Stop, with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	382.00
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp	289.00
-CID CI Dome	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High CI Dome	714.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-DEP Deck Extension Plate	1,075.00
-G Galvanized CI	2,013.00
-PDSSM SS Mesh on Poly Dome	779.00
-R Sump Receiver	418.00
-RBD Rough Bronze Dome	1,289.00
-RDP Roof Deck Plate	674.00
-SSM SS Mesh on Metal Dome	779.00
-U Vandal Proof Dome	191.00

*REGULARLY FURNISHED



A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	11"	102.5	2,432.00	40
05, 06"	15 1/4"	11"	102.5	2,823.00	42
08"	16"	12 1/2"	102.5	3,301.00	45

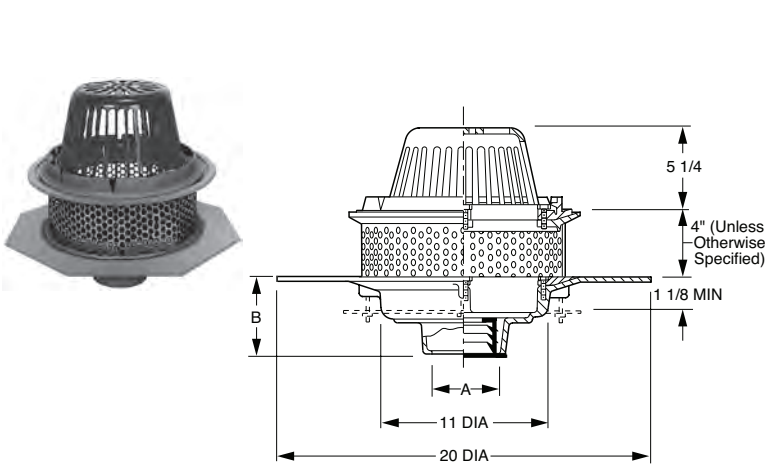
REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp, Perforated Stainless Steel Extension, Gravel Stop and Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-C	Aluminum Underdeck Clamp	376.00
-CID	CI Dome	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CL	Angular Underdeck Clamp	759.00
-DE	Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-G	Galvanized CI	1,491.00
-E	Perf SS Extension over 4", per inch	119.00
-PDSSM	Poly Dome w/SS Mesh	779.00
-R	Sump Receiver	418.00
-RBD	Rough Bronze Dome	1,289.00
-SSM	SS Mesh on Metal Dome	779.00
-U	Vandal Proof Dome	191.00

FIG. 1018 IRMA ROOF APPLICATIONS



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	20"	102.5	4,489.00	36
05, 06"	20"	102.5	4,880.00	47

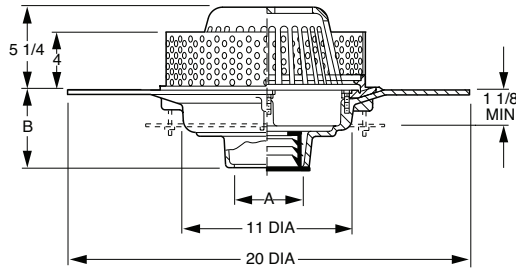
REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Flashing Clamp, Perforated Stainless Steel Extension, Gravel Stop and Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-C	Aluminum Underdeck Clamp	376.00
-CID	CI Dome	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CL	Angular Underdeck Clamp	759.00
-G	Galvanized CI	1,944.00
-E	Perf SS Extension over 4", per inch	119.00
-PDSSM	Poly Dome w/SS Mesh	779.00
-RBD	Rough Bronze Dome	1,289.00
-SSM	SS Mesh on Metal Dome	779.00
-U	Vandal Proof Dome	191.00

†REGULARLY FURNISHED



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	20"	102.5	4,387.00	50
05, 06"	20"	102.5	4,854.00	50

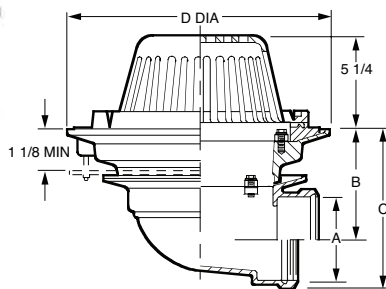
REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Flashing Clamp, 1/16" Thick, 4" High Stainless Steel Perforated Gravel Stop with 3/8" Dia. Openings and Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	382.00
-C Aluminum Underdeck Clamp	376.00
-CID CI Dome	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High CI Dome	714.00
-CL Angular Underdeck Clamp	759.00
-G Galvanized CI	1,944.00
-GG Perforated SS Gravel Stop over 4", per inch	119.00
-PDSSM Poly Dome w/SS Mesh	779.00
-RBD Rough Bronze Dome	1,289.00
-U Vandal Proof Dome	191.00

FIG. 1020 16" DIAMETER - LOW PROFILE DOME



A OUTLET SIZE	B	D FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02"	6 7/8"	15 1/4"	102.5	1,694.00	45
03"	6 3/8"	15 1/4"	102.5	1,694.00	45
04"	5 7/8"	15 1/4"	102.5	1,694.00	45
05"	5"	16"	102.5	2,175.00	55
06"	4 1/2"	16"	102.5	2,175.00	55

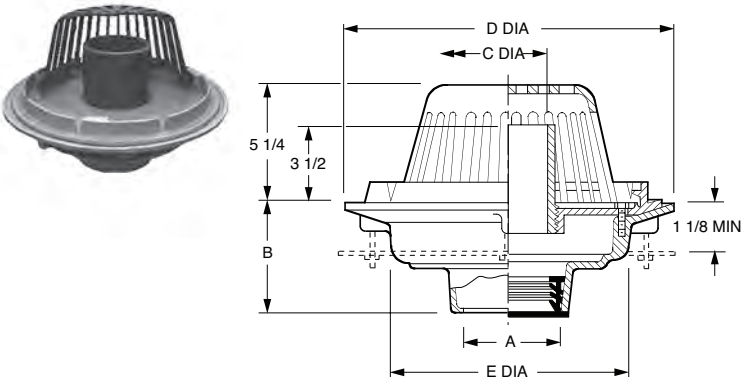
REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded Outlet	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	8 1/2"	N/C

See Fig. 2646Y for list add to **THREADED** body price

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-C	Aluminum Underdeck Clamp	376.00
-C2	Secondary Flashing Clamp (Requires Extension)	289.00
-CID	CI Dome	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	CI Dome, 8" High	714.00
-CL	Angular Underdeck Clamp	759.00
-E	Extension up to 4"	1,030.00
	per inch over 4"	245.00
-G	Galvanized CI	1,491.00
-PDSSM	Poly Dome w/SS Mesh	779.00
-R	Sump Receiver	418.00
-RBD	Rough Bronze Dome	1,289.00
-SSM	SS Mesh on Metal Dome	779.00
-U	Vandal Proof Dome	191.00



A OUTLET SIZE	C DIA.	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	*DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	4"	15 1/4"	11"	102.5	1,775.00	65
05, 06"	6"	15 1/4"	11"	102.5	2,256.00	72
08"	8"	16"	12 1/2"	102.5	2,734.00	86

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Gravel Stop with Polyethylene Dome and P.V.C. Standpipe.

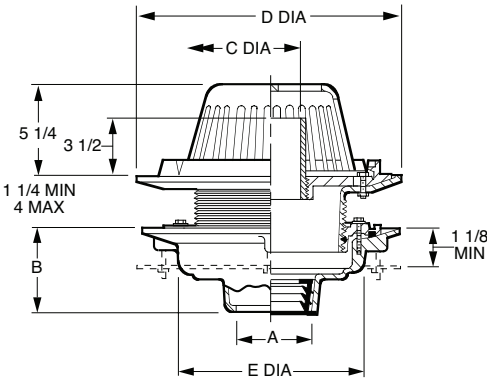
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-BZS	Bronze Standpipe	495.00
-C	Aluminum Underdeck Clamp	376.00
-C2	Secondary Flashing Clamp (Requires Extension)	289.00
-CID	CI Dome	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CIS	Cast Iron Standpipe	376.00
-CL	Angular Underdeck Clamp	759.00
-DE	Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-DX	Wide Flange	2,057.00
-E	Extension up to 4"	1,030.00
	per inch over 4"	245.00
-G	Galvanized Cast Iron	1,491.00
-PDSSM	Poly Dome w/SS Mesh	779.00
-R	Sump Receiver	418.00
-RBD	Rough Bronze Dome	1,289.00
-RDP	Roof Deck Plate	674.00
-SSM	SS Mesh on Metal Dome	779.00
-U	Vandal Proof Dome	191.00

FIG. 1074 - ADJUSTABLE TOP WITH STANDPIPE

1074
Same as
1070 with
Adjustable
Extension



A OUTLET SIZE	C DIA.	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	*DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	4"	15 1/4"	11"	102.5	2,873.00	65
05, 06"	6"	15 1/4"	11"	102.5	3,354.00	72
08"	8"	16"	12 1/2"	102.5	3,832.00	86

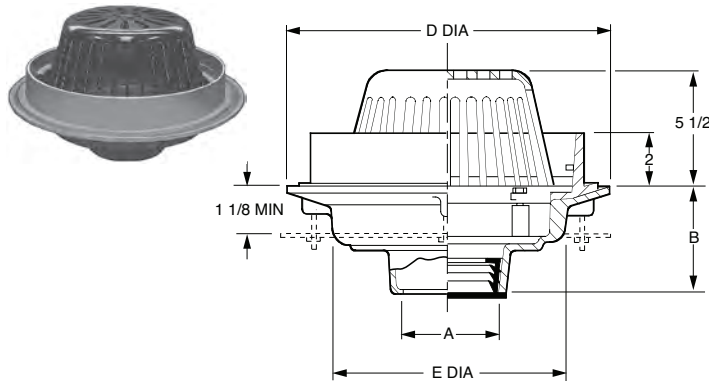
REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Extension Sleeve, Reversible Collar, P.V.C. Standpipe, Polyethylene Dome and Combined Flashing Clamp and Gravel Stop.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	382.00
-BZS	Bronze Standpipe	495.00
-C	Aluminum Underdeck Clamp	376.00
-C2	Secondary Flashing Clamp	289.00
-CID	CI Dome	329.00
-CIDG	Cast Iron Dome with Galvanizing	886.00
-CID8	8" High CI Dome	714.00
-CL	Angular Underdeck Clamp	759.00
-CIS	Cast Iron Standpipe	376.00
-DE	Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-DX	Wide Flange	2,057.00
-G	Galvanized Cast Iron	2,013.00
-PDSSM	Poly Dome w/SS Mesh	779.00
-R	Sump Receiver	418.00
-RBD	Rough Bronze Dome	1,289.00
-RDP	Roof Deck Plate	674.00
-SSM	SS Mesh on Metal Dome	779.00
-U	Vandal Proof Dome	191.00

*REGULARLY FURNISHED



A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	*DUCO CI POLY DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	11"	102.5	1,479.00	1,861.00	62
05, 06"	15 1/4"	11"	102.5	1,953.00	2,335.00	79
08"	16"	12 1/2"	102.5	2,431.00	2,813.00	112

A OUTLET SIZE	D FLANGE DIA.	E DIA.	FREE AREA SQ. IN.	**DUCO CI CI DOME	DUCO CI W/ ALUM DOME	APPROX. WEIGHT LBS.
08"	20"	16"	228	3,980.00	4,893.00	118
10"	20"	16"	228	4,282.00	5,195.00	118
12"	20"	16"	228	4,525.00	5,436.00	118

**Add \$557.00 to Galvanize the Cast Iron Dome.

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Gravel Stop with Dome and Cast Iron Water Dam.

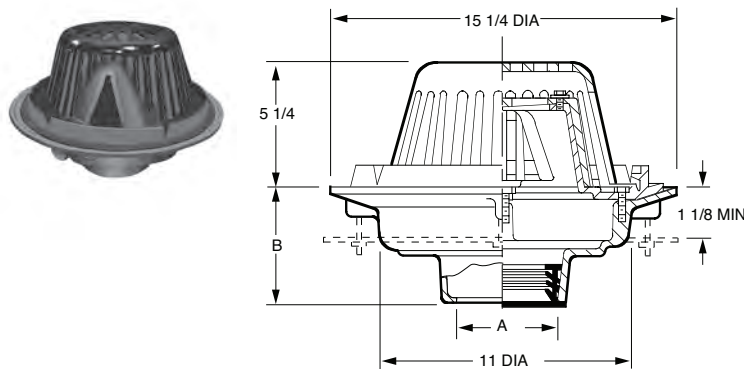
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	*6"	N/C
	C10	7 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	*5"	120.00
	T10	7 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	*6"	N/C
	Y10, Y12	7 3/4"	N/C

*This dimension is for 16" dia. flange size body. For 20" flange size body dimension is 7 3/4"

OPTIONS:	ADD
-AE Adjustable Extension (16" Flange only)	1,098.00
-C Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	376.00
-C Cast Iron Underdeck Clamp (20" Flange Bodies)	747.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CID CI Dome (when not reg. furn.)	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-DX Wide Flange	2,057.00
-E Extension up to 4"	1,030.00
per inch over 4"	245.00
-G Galvanized Cast Iron	1,491.00
-PDSSM SS Mesh on Poly Dome	779.00
-R Sump Receiver (15 & 16" Flange Bodies)	418.00
-R Sump Receiver (20" Flange Bodies)	837.00
-RBD Rough Bronze Dome	1,289.00
-RDP Roof Deck Plate (15 & 16" Flange Bodies)	674.00
-RDP Roof Deck Plate (20" Flange Bodies)	1,206.00
-SSM SS Mesh on Metal Dome	779.00
-U Vandal Proof Dome	191.00
-WD Water Dam, 2 1/2, 3, 4"	583.00

FIG. 1083 RAINCONTROL® ROOF DRAINS



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	102.5	2,935.00	64
05, 06"	15 1/4"	102.5	3,402.00	68

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

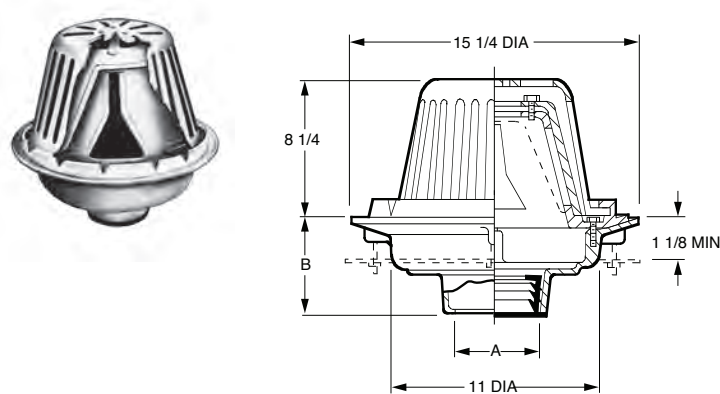
OPTIONS:	ADD
-AD Aluminum Dome	382.00
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CID CI Dome	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High CI Dome	714.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-E Extension up to 4"	1,030.00
per inch over 4"	245.00
-G Galvanized Cast Iron	1,491.00
-PDSSM SS Mesh on Poly Dome	779.00
-R Sump Receiver	418.00
-RBD Rough Bronze Dome	1,289.00
-RDP Roof Deck Plate	674.00
-U Vandal Proof Dome	191.00
-WR Multiple Weir Openings**	N/C

**Specify Number of Weir Openings

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Adjustable "Flow Rate Control" Assembly and Polyethylene Dome.

ROOF DRAINS

FIG. 1085 RAINCONTROL® ROOF DRAINS



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI CI DOME	APPROX. WEIGHT LBS.
02, 03, 04"	15 1/4"	122	3,257.00	66
05, 06"	15 1/4"	122	3,726.00	72

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Adjustable "Flow Rate Control" Assembly and Cast Iron Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

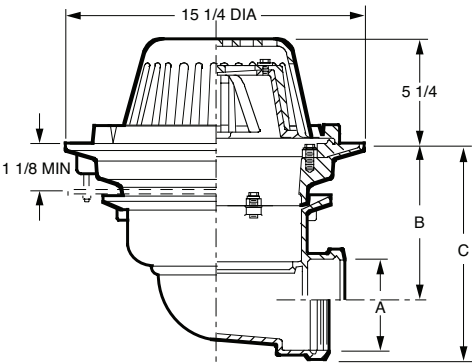
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	776.00
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CIDG Galvanized Cast Iron Dome	557.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension (Deck Elevator Kit)	1,607.00
-E Extension up to 4"	1,030.00
per inch over 4"	245.00
-G Galvanized Cast Iron	1,491.00
-R Sump Receiver	418.00
-RDP Roof Deck Plate	674.00
-U Vandal Proof Dome	191.00
-WR Multiple Weir Openings**	N/C

**Specify Number of Weir Openings

FIG. 1088 RAINCONTROL® ROOF DRAINS

1088
Same as
1083 with
Side
Outlet



A OUTLET SIZE	FLANGE DIA.	B	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02"	15 1/4"	6 7/8"	102.5	3,516.00	81
03"	15 1/4"	6 3/8"	102.5	3,516.00	81
04"	15 1/4"	5 7/8"	102.5	3,516.00	81
05"	15 1/4"	5"	102.5	3,983.00	81
06"	15 1/4"	4 1/2"	102.5	3,983.00	81

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Adjustable "Flow Rate Control" Assembly and Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

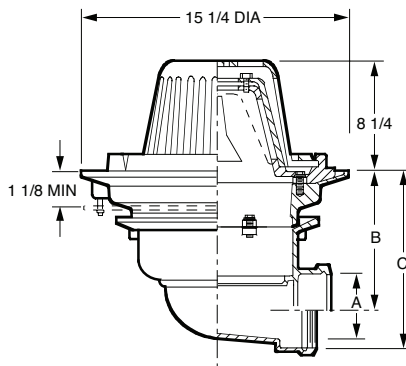
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04, C05, C06	8 3/4"	N/C
Threaded Outlet	T02	8 5/8"	N/C
	T03, T04, T05, T06	8 3/4"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	382.00
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CID Cast Iron Dome	329.00
-CIDG Cast Iron Dome with Galvanizing	886.00
-CID8 8" High Cast Iron Dome	714.00
-CL Angular Underdeck Clamp	759.00
-E 4" High Extension	1,030.00
per inch over 4"	245.00
-G Galvanized Cast Iron Body	1,491.00
-PDSSM Poly Dome w/SS Mesh	779.00
-R Sump Receiver	418.00
-RBD Rough Bronze Dome	1,289.00
-U Vandal Proof Dome	191.00
-WR Multiple Weir Openings**	N/C

**Specify Number of Weir Openings

*REGULARLY FURNISHED

1089
Same as
1085 with
Side
Outlet



A OUTLET SIZE	FLANGE DIA.	B	FREE AREA SQ. IN.	*DUCO CI CI DOME	APPROX. WEIGHT LBS.
02"	15 1/4"	6 7/8"	122	3,837.00	90
03"	15 1/4"	6 7/8"	122	3,837.00	90
04"	15 1/4"	5 7/8"	122	3,837.00	90

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Adjustable "Flow Rate Control" Assembly and Cast Iron Dome.

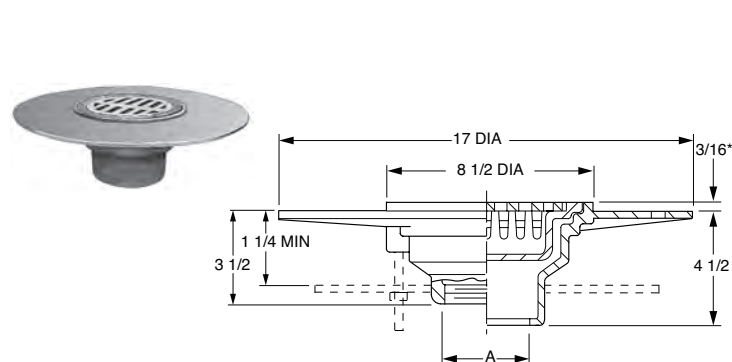
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C

OPTIONS:	ADD
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CIDG Galvanized Cast Iron Dome	557.00
-CL Angular Underdeck Clamp	759.00
-E 4" High Extension	1,030.00
per inch over 4"	245.00
-G Galvanized Cast Iron Body	1,491.00
-R Sump Receiver	418.00
-U Vandal Proof Dome	191.00
-WR Multiple Weir Openings**	N/C

**Specify Number of Weir Openings

FIG. DX1240 MEDIUM WIDE FLANGE BODY WITH "SAFE-SET®" BUCKET



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	4 1/2"	N/C
Threaded	T02, T03, T04	3 1/2"	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price	

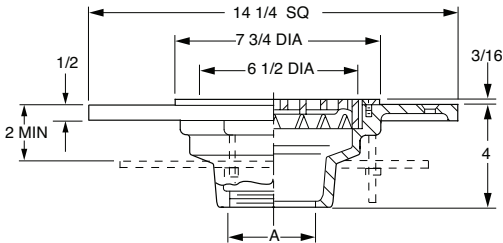
OPTIONS:	ADD
-C Underdeck Clamp	355.00
-G Galvanized Cast Iron	1,063.00
-SH Securing Holes	189.00
-U Vandal Proof Grate	228.00

Use only where light rainfall is prevalent or in covered roof areas. When heavy rainfall is anticipated use DX1010 or DX2566.

A OUTLET SIZE	FLANGE DIA.	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI CI TOP	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	17"	8 1/2"	9.25	1,346.00	2,030.00	2,188.00	27

*Add 3/16" when bronze top is specified.

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with ADA Grate and "Safe-Set®" Sediment Bucket.



A OUTLET SIZE	FLANGE SQ.	TOP SIZE	FREE AREA SQ. IN.	DUCO CI PB TOP	†DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	14 1/4"	7 3/4"	12.5	2,036.00	2,196.00	38

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Nickel Bronze ADA Tractor Grate and Rim.

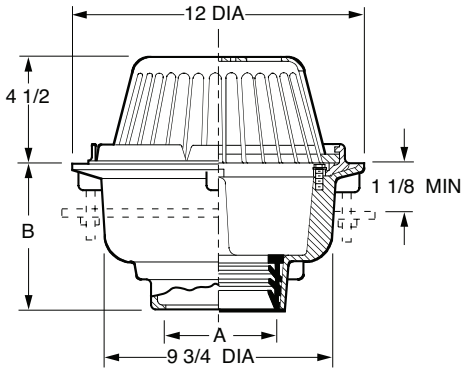
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	4"	N/C
Threaded	T02, T03, T04	4"	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-B	Sediment Bucket	191.00
-C	Underdeck Clamp	232.00
-G	Galvanized Cast Iron	694.00
-SH	Securing Holes	189.00
-U	Vandal Proof Grate	228.00

Use only where light rainfall is prevalent or in covered roof areas. When heavy rainfall is anticipated use DX1010 or DX2566.

FIG. 1310 12" DIAMETER LOW PROFILE DOME



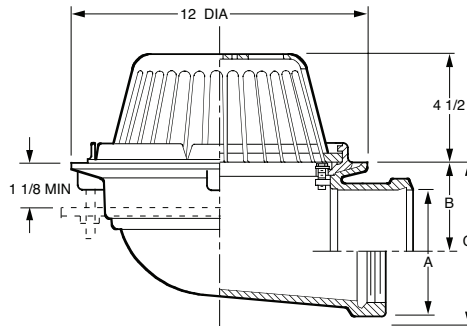
A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	12"	71.5	990.00	27
05, 06"	12"	71.5	990.00	27

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04, T05, T06	4 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	279.00
-C	Underdeck Clamp	232.00
-C2	Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P	Sec. Flashing Clamp w/4" Perf SS Extension	1,272.00
-CID	Cast Iron Dome	245.00
-CIDG	Cast Iron Dome with Galvanizing	809.00
-CIDSSM	Cast Iron Dome w/SS Mesh	964.00
-CL	Angular Underdeck Clamp	759.00
-E	Ext Per Inch, CI	131.00
-G	Galvanized Cast Iron	615.00
-PDSSM	Poly Dome with w/SS Mesh	719.00
-R	Sump Receiver	396.00
-RBD	Rough Bronze Dome	636.00
-RDP	Roof Deck Plate	528.00
-U	Vandal Proof Dome	178.00
-WD02	2" Solid Water Dam	298.00



A OUTLET SIZE	FLANGE DIA.	B	FREE AREA SQ. IN.	*DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02"	12"	4 1/2"	71.5	1,256.00	30
03"	12"	4"	71.5	1,256.00	30
04"	12"	3 1/2"	71.5	1,256.00	30

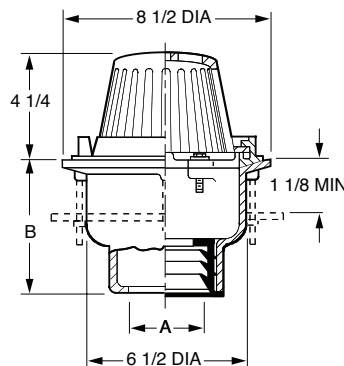
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	6 1/2"	N/C
Inside Caulk	C03, C04	6 5/8"	N/C
Threaded	T02, T03, T04	6 5/8"	N/C
No-Hub	Y02, Y03, Y04	6 5/8"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	279.00
-C Underdeck Clamp	232.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CID Cast Iron Dome	245.00
-CIDG Cast Iron Dome with Galvanizing	809.00
-CIDSSM Cast Iron Dome w/SS Mesh	964.00
-CL Angular Underdeck Clamp	759.00
-E Ext Per Inch, CI	131.00
-C2E04P Sec. Flashing Clamp w/4" Perf SS Extension	1,272.00
-G Galvanized Cast Iron	615.00
-PDSSM Poly Dome with w/SS Mesh	719.00
-R Sump Receiver	396.00
-RBD Rough Bronze Dome	636.00
-U Vandal Proof Dome	178.00
-WD02 2" Solid Water Dam	298.00

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

FIG. 1330 8 1/2" DIAMETER LOW PROFILE DOME



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	41.5	840.00	30

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

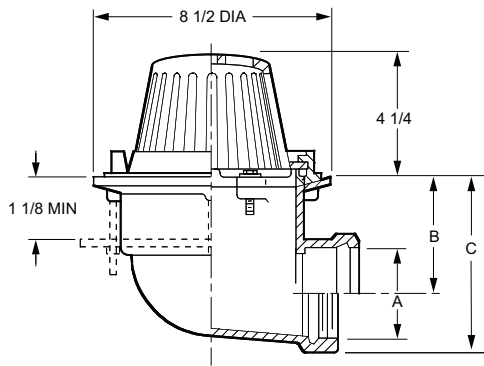
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5 1/2"	N/C
Speedi-Set® SW	L02, L03, L04	5 1/2"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5 1/2"	N/C
Threaded	T02, T03, T04	4 1/4"	120.00
No-Hub	Y02, Y03, Y04	5 1/2"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	279.00
-C Underdeck Clamp	232.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P Sec. Flashing Clamp w/4" Perf SS Extension	1,009.00
-CID Cast Iron Dome	147.00
-CIDG Cast Iron Dome with Galvanizing	372.00
-CIDSSM Cast Iron Dome w/SS Mesh	692.00
-CL Angular Underdeck Clamp	759.00
-E Ext Per Inch, CI	131.00
-G Galvanized Cast Iron	306.00
-PDSSM Poly Dome with w/SS Mesh	543.00
-R Sump Receiver	396.00
-RBD Rough Bronze Dome	528.00
-RDP Roof Deck Plate	528.00
-U Vandal Proof Dome	178.00
-WD02 2" Solid Water Dam	298.00

ROOF DRAINS

FIG. 1340 8 1/2" DIAMETER LOW PROFILE DOME



A OUTLET SIZE	FLANGE DIA.	B	FREE AREA SQ. IN.	*DUCO CI POLY DOME	DUCO CI CI DOME	APPROX. WEIGHT LBS.
02"	8 1/2"	4 1/2"	41.5	1,109.00	1,256.00	30
03"	8 1/2"	4"	41.5	1,109.00	1,256.00	30
04"	8 1/2"	3 1/2"	41.5	1,109.00	1,256.00	30

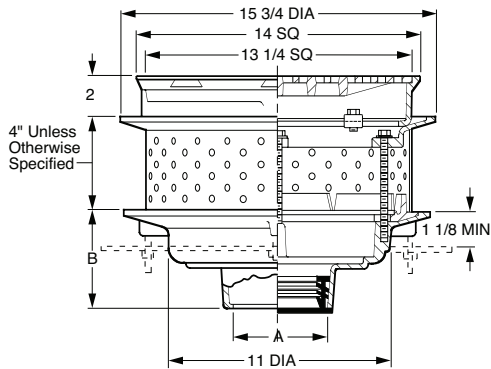
REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6 1/4"	N/C
Threaded	T02, T03, T04	6 1/4"	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-AD	Aluminum Dome	279.00
-C	Underdeck Clamp	232.00
-C2	Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P	Sec. Flashing Clamp w/4" Perf SS Extension	1,009.00
-CIDG	Cast Iron Dome with Galvanizing	372.00
-CIDSSM	SS Mesh on Metal Dome	692.00
-CL	Angular Underdeck Clamp	759.00
-E	Ext Per Inch, CI	131.00
-G	Galvanized Cast Iron	306.00
-PDSSM	Poly Dome with w/SS Mesh	543.00
-R	Sump Receiver	396.00
-RBD	Rough Bronze Dome	528.00
-U	Vandal Proof Dome	178.00
-WD02	2" Solid Water Dam	298.00

FIG. 1409 PROMENADE DECK DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	14"	50.25	3,108.00	4,381.00	4,681.00	65
05, 06"	14"	50.25	3,574.00	4,848.00	5,147.00	72

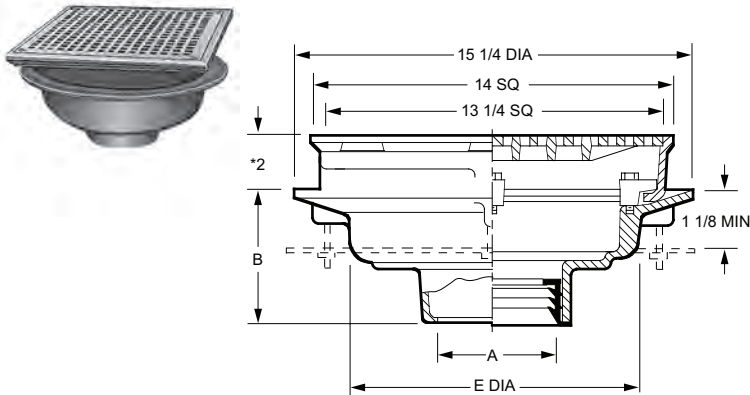
REGULARLY FURNISHED: Duco Cast Iron Body, Perforated Stainless Steel Extension with Secondary Flashing Clamp, Cast Iron Top Frame and ADA Secured Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-B	Sediment Bucket	396.00
-C	Aluminum Underdeck Clamp	376.00
-CL	Angular Underdeck Clamp	759.00
-E	Perf. Extension, to 4"	N/C
	Over 4", per inch	119.00
-G	Galvanized Cast Iron	1,383.00
-HP	Heelproof Grate	N/C
-M	Ductile Iron Grate	955.00
-R	Sump Receiver	418.00
-U	Vandal Proof Grate	228.00
-W	3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	298.00

*REGULARLY FURNISHED



A OUTLET SIZE	TOP SIZE	E DIA.	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	14"	11"	50.25	1,899.00	3,173.00	3,472.00	47
05, 06"	14"	11"	50.25	2,351.00	3,625.00	3,924.00	48
08"	14"	12 1/2"	50.25	2,823.00	4,096.00	4,396.00	65

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole ADA Grate.

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

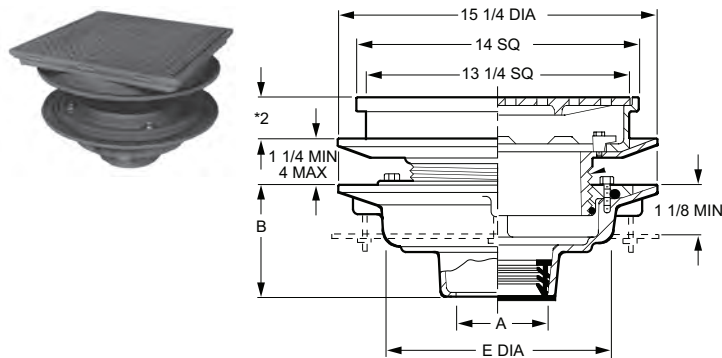
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:	ADD
-B Sediment Bucket	396.00
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CL Angular Underdeck Clamp	759.00
-DE Deck Elevator Extension	1,607.00
-DX Wide Flange	2,057.00
-E Extension, Up to 4"	1,030.00
per inch over 4"	245.00
-G Galvanized Cast Iron	1,383.00
-HP Heelproof Grate	N/C
-M Ductile Iron Grate	955.00
-NBM DI Undergrate with NB Top, add to CI	2,525.00
-PBM DI Undergrate with PB Top, add to CI	2,231.00
-R Sump Receiver	418.00
-RDP Roof Deck Plate	674.00
-U Vandal Proof Grate	228.00
-W 3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	298.00

*Add 1/8" when bronze top is specified.

FIG. 1415 ADJUSTABLE ROOF DRAIN



A OUTLET SIZE	TOP SIZE	E DIA.	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	14"	11"	50.25	2,997.00	4,271.00	4,570.00	65
05, 06"	14"	11"	50.25	3,449.00	4,722.00	5,022.00	72
08"	14"	12 1/2"	50.25	3,921.00	5,195.00	5,494.00	89

REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Extension Sleeve, Reversible Collar, Combined Flashing Collar and Clamp and Secured Square Hole ADA Grate.

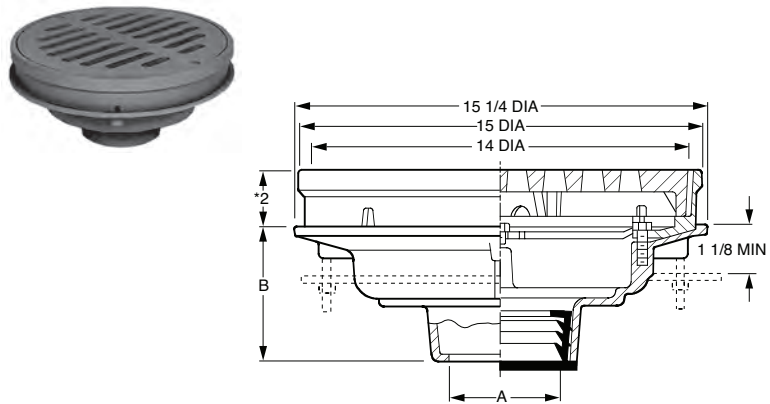
NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:	ADD
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp	289.00
-CL Angular Underdeck Clamp	759.00
-G Galvanized Cast Iron	1,383.00
-HP Heelproof Grate	N/C
-M Ductile Iron Grate	955.00
-NBM DI Undergrate with NB Top, add to CI	2,525.00
-PBM DI Undergrate with PB Top, add to CI	2,231.00
-R Sump Receiver	418.00
-U Vandal Proof Grate	228.00
-W 3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	298.00

*Add 1/8" when bronze top is specified.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	15"	45	2,441.00	6,031.00	6,447.00	47
05, 06"	15"	45	2,905.00	6,496.00	6,911.00	48
08"	15"	45	3,379.00	6,971.00	7,387.00	65
10"	15"	45	4,566.00	8,157.00	8,572.00	65

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Collar and Heavy Duty Loose Set ADA Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

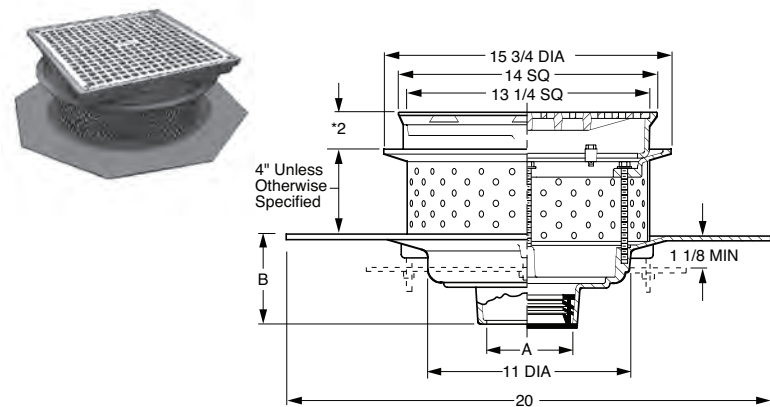
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
	C08, C10	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
	T08, T10	6"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C
	Y08, Y10	6"	N/C

OPTIONS:	ADD
-B Sediment Bucket	396.00
-C Aluminum Underdeck Clamp	376.00
-CL Angular Underdeck Clamp	759.00
-D Dome Grate, CI	626.00
-DNB Dome Grate, add to CI	5,403.00
-DPB Dome Grate, add to CI	4,894.00
-G Galvanized Cast Iron	1,708.00
-M Ductile Iron Grate	1,026.00
-R Sump Receiver	418.00
-S Square Top, CI	736.00
-SNB Square Top, add to CI	5,039.00
-SPB Square Top, add to CI	4,565.00
-U Vandal Proof Grate	228.00

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

*Add 1/4" when bronze top is specified.

FIG. 1419 PROMENADE DECK DRAIN FOR SPECIAL APPLICATIONS



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	14"	50.25	5,159.00	6,434.00	6,732.00	47
05, 06"	14"	50.25	5,628.00	6,901.00	7,201.00	48

REGULARLY FURNISHED: Duco Cast Iron Body, Perforated Stainless Steel Extension, Cast Iron Top Frame and ADA Secured Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

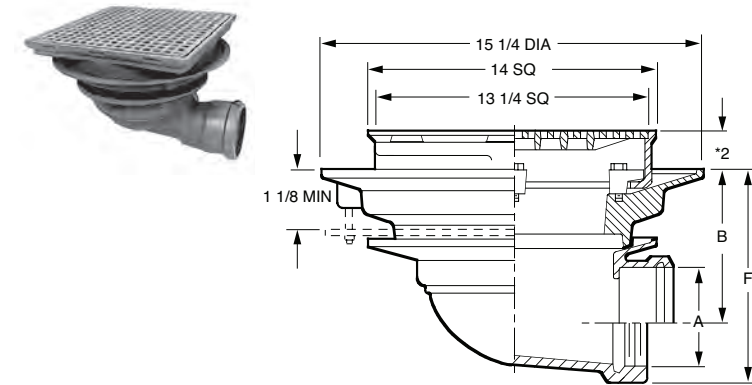
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	376.00
-CL	Angular Underdeck Clamp	759.00
-E	Perf. Extension, to 4"	N/C
	Over 4", per inch	119.00
-G	Galvanized Cast Iron	1,944.00
-HP	Heelproof Grate	N/C
-M	Ductile Iron Grate	955.00
-U	Vandal Proof Grate	228.00
-W	3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	298.00

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

*Add 1/8" when bronze top is specified.

FIG. 1420 LARGE - 14" DECK DRAIN



A OUTLET SIZE	TOP SIZE	B	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	14"	6 7/8"	50.25	2,455.00	3,729.00	4,028.00	47
03"	14"	6 3/8"	50.25	2,455.00	3,729.00	4,028.00	47
04"	14"	5 7/8"	50.25	2,455.00	3,729.00	4,028.00	47
05"	14"	5"	50.25	2,928.00	4,202.00	4,501.00	48
06"	14"	4 1/2"	50.25	2,928.00	4,202.00	4,501.00	48

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole ADA Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

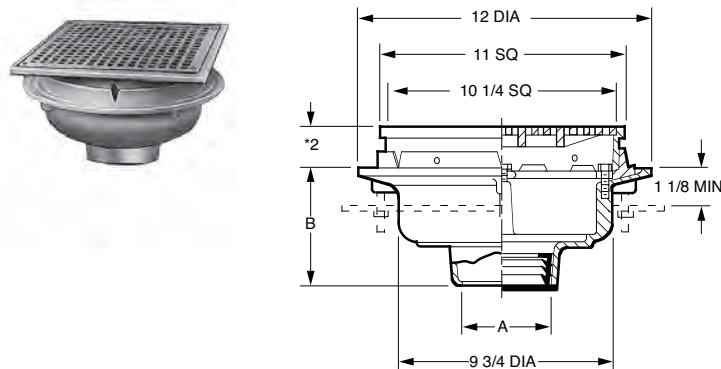
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-B Sediment Bucket	396.00
-C Aluminum Underdeck Clamp	376.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-CL Angular Underdeck Clamp	759.00
-E Extension, Up to 4" per inch over 4"	1,030.00 245.00
-G Galvanized Cast Iron	1,383.00
-HP Heelproof Grate	N/C
-M Ductile Iron Grate	955.00
-NBMI DI Undergrate with NB Top, add to CI	2,525.00
-PBMI DI Undergrate with PB Top, add to CI	2,231.00
-R Sump Receiver	418.00
-U Vandal Proof Grate	228.00
-W 3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	298.00

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

*Add 1/8" when bronze top is specified.

FIG. 1450 MEDIUM - 11" SQUARE DECK DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	11"	31	1,687.00	2,687.00	2,844.00	48
05, 06"	11"	31	1,687.00	2,687.00	2,844.00	48

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole Light Duty ADA Grate.

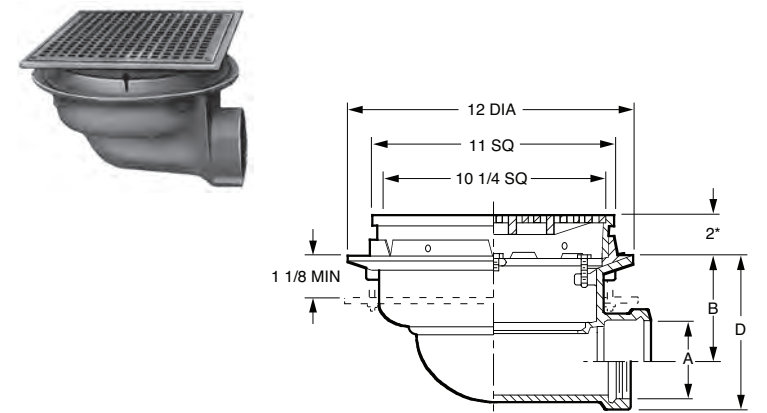
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04, T05, T06	4 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	N/C

OPTIONS:	ADD
-B Sediment Bucket	396.00
-C Underdeck Clamp	232.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P Sec. Flashing Clamp w/4" Perf SS Extension	1,272.00
-CL Angular Underdeck Clamp	759.00
-E Extension per inch to 4"	131.00
-G Galvanized Cast Iron	777.00
-HP Heelproof Grate	N/C
-M Ductile Iron Grate	842.00
-R Sump Receiver	396.00
-U Vandal Proof Grate	228.00

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

*Add 3/16" when bronze top is specified.



A OUTLET SIZE	TOP SIZE	B	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	11"	4 1/2"	31	1,962.00	2,962.00	3,119.00	51
03"	11"	4"	31	1,962.00	2,962.00	3,119.00	51
04"	11"	3 1/2"	31	1,962.00	2,962.00	3,119.00	51

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole Light Duty ADA Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

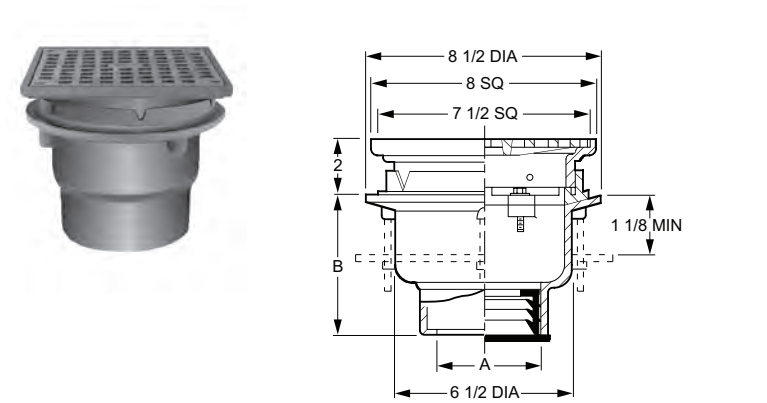
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"D" Body HT. DIM.	ADD
Inside Caulk	C02	6 1/2"	N/C
	C03, C04	6 5/8"	N/C
Threaded	T02	6 1/2"	N/C
	T03, T04	6 5/8"	N/C
No-Hub	Y02	6 1/2"	N/C
	Y03, Y04	6 5/8"	N/C

OPTIONS:		ADD
-C	Underdeck Clamp	232.00
-C2	Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P	Sec. Flashing Clamp w/4" Perf SS Extension	1,272.00
-E	Extension per inch to 4"	131.00
-G	Galvanized Cast Iron	777.00
-HP	Heelproof Grate	N/C
-M	Ductile Iron Grate	842.00
-R	Sump Receiver	396.00
-U	Vandal Proof Grate	228.00

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.

*Add 3/16" when bronze top is specified.

FIG. 1470 SMALL - 8" SQUARE PROMENADE DECK DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8"	19	1,278.00	1,868.00	1,948.00	21

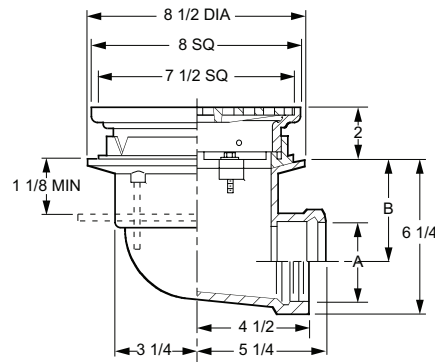
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole Light Duty ADA Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5 1/2"	N/C
Speedi-Set® SW	L02, L03, L04	5 1/2"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5 1/2"	N/C
Threaded	T02, T03, T04	4 1/4"	120.00
No-Hub	Y02, Y03, Y04	5 1/2"	N/C

OPTIONS:		ADD
-B	Sediment Bucket	329.00
-C	Underdeck Clamp	232.00
-C2	Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P	Sec. Flashing Clamp w/4" Perf SS Extension	1,272.00
-E	Extension per inch to 4"	131.00
-G	Galvanized Cast Iron	418.00
-HP	Heelproof Grate	N/C
-M	Ductile Iron Grate	741.00
-R	Sump Receiver	396.00
-U	Vandal Proof Grate	228.00

NOTE: Floor drains or area drains used to drain areas subject to rainfall should have an open area equal to twice the cross sectional area of the connecting pipe.



A OUTLET SIZE	TOP SIZE	B	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8"	4 1/2"	19	1,568.00	2,156.00	2,237.00	30
03"	8"	4"	19	1,568.00	2,156.00	2,237.00	30
04"	8"	3 1/2"	19	1,568.00	2,156.00	2,237.00	30

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole Light Duty ADA Grate.

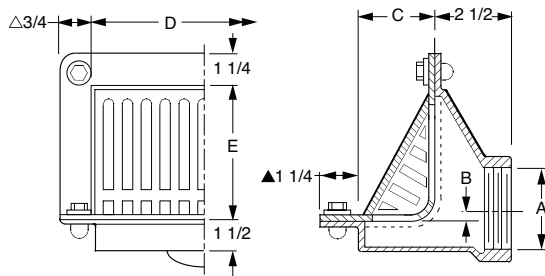
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6 1/4"	N/C
Threaded	T02, T03, T04	6 1/4"	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body	

OPTIONS:

	ADD
-B Sediment Bucket	329.00
-C Underdeck Clamp	232.00
-C2 Secondary Flashing Clamp (Requires Extension)	289.00
-C2E04P Sec. Flashing Clamp w/4" Perf SS Extension	1,272.00
-E Extension per inch to 4"	131.00
-G Galvanized Cast Iron	418.00
-HP Heelproof Grate	N/C
-M Ductile Iron Grate	741.00
-R Sump Receiver	396.00
-U Vandal Proof Grate	228.00

FIG. 1510 SCUPPER DRAIN - ANGLE GRATE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
	T05, T06	N/C

OPTIONS:

	ADD
-G Galvanized Cast Iron	
02, 03, 04"	373.00
05, 06"	748.00
-SEC Secured Grate	86.00
-U Vandal Proof Grate	86.00

A OUTLET SIZE	B	C	D	E	FREE AREA SQ. IN.	*DUCO CI	DUCO CI RB FACE	DUCO CI PB FACE	DUCO CI NB FACE	APPROX. WEIGHT LBS.
02"	*	3 1/4"	8 3/4"	5	17.75	964.00	1,634.00	2,138.00	2,539.00	16
03"	1/4"	3 1/4"	8 3/4"	5	17.75	964.00	1,634.00	2,138.00	2,539.00	16
04"	1"	3 1/4"	8 3/4"	5	17.75	964.00	1,634.00	2,138.00	2,539.00	16
05"	1 3/4"	4 1/4"	10 1/2"	6 1/2"	35	1,869.00	2,961.00	3,467.00	3,864.00	23
06"	1 3/4"	4 1/4"	10 1/2"	6 1/2"	35	1,869.00	2,961.00	3,467.00	3,864.00	23

* 02" Size "B" Dimension is 1/4" below flange, not above as shown.

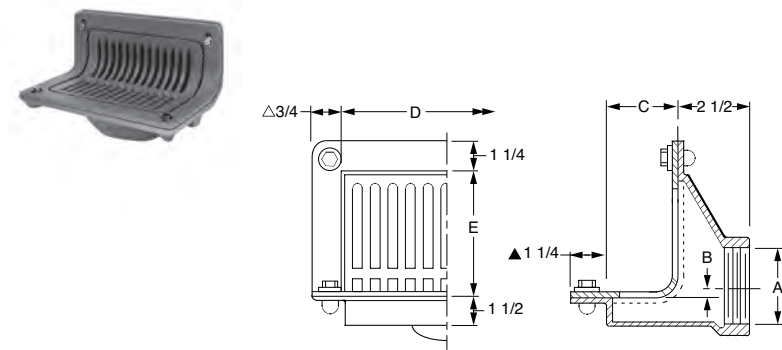
△For 05 & 06" size, add 1/2".

▲For 05 & 06" size, reduce by 3/16".

REGULARLY FURNISHED:

Duco Cast Iron Body, Flashing Clamp and Loose Set Grate.

*REGULARLY FURNISHED



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Table with 3 columns: Outlet Type, Outlet Designation (Outlet Type/Pipe Size), and ADD. Rows include Threaded outlets T02, T03, T04, T05, and T06.

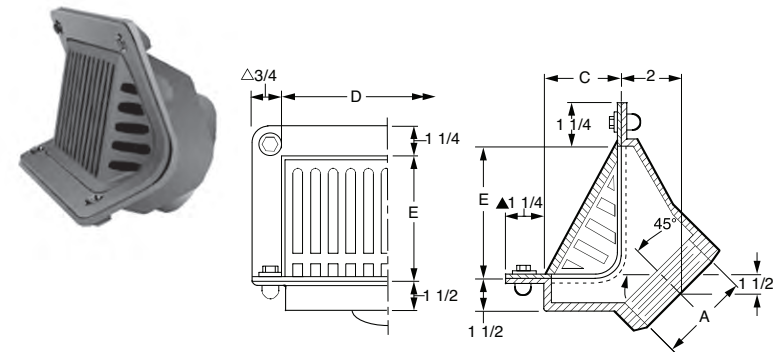
Table with 2 columns: OPTIONS and ADD. Options include Galvanized Cast Iron (-G), Secured Grate (-SEC), and Vandal Proof Grate (-U).

* 02" Size "B" Dimension is 1/4" below flange, not above as shown.
△For 05 & 06" size, add 1/2".
▲For 05 & 06" size, reduce by 3/16".

Table with 11 columns: A OUTLET SIZE, B, C, D, E, FREE AREA SQ. IN., and four DUCO CI price columns (RB FACE, PB FACE, NB FACE), plus APPROX. WEIGHT LBS.

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Loose Set Grate.

FIG. 1530 SCUPPER DRAIN - ANGLE GRATE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Table with 3 columns: Outlet Type, Outlet Designation (Outlet Type/Pipe Size), and ADD. Rows include Threaded outlets T02, T03, T04, T05, and T06.

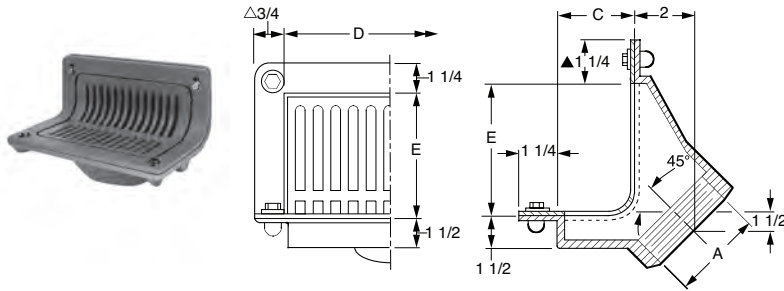
Table with 2 columns: OPTIONS and ADD. Options include Galvanized Cast Iron (-G), Secured Grate (-SEC), and Vandal Proof Grate (-U).

△For 05 & 06" size, add 1/2".
▲For 05 & 06" size, reduce by 3/16".

Table with 11 columns: A OUTLET SIZE, C, D, E, FREE AREA SQ. IN., and four DUCO CI price columns (RB FACE, PB FACE, NB FACE), plus APPROX. WEIGHT LBS.

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Loose Set Grate.

*REGULARLY FURNISHED

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
	T05, T06	N/C

OPTIONS:		ADD
-G	Galvanized Cast Iron	
	02, 03, 04"	373.00
	05, 06"	748.00
-SEC	Secured Grate	86.00
-U	Vandal Proof Grate	86.00

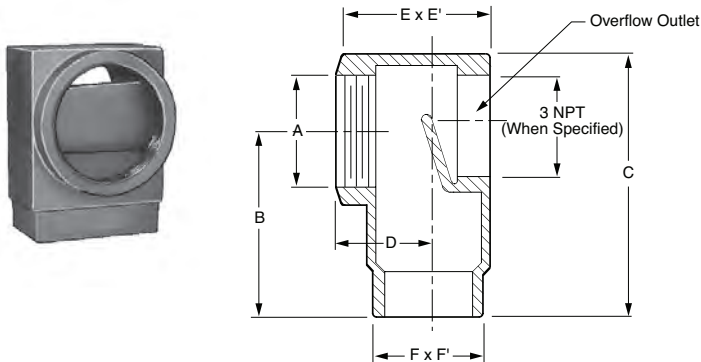
A OUTLET SIZE	C	D	E	FREE AREA SQ. IN.	*DUCO CI RB FACE	DUCO CI PB FACE	DUCO CI NB FACE	APPROX. WEIGHT LBS.
02"	3 1/4"	8 3/4"	5"	20	1,043.00	1,713.00	2,217.00	16
03"	3 1/4"	8 3/4"	5"	20	1,043.00	1,713.00	2,217.00	16
04"	3 1/4"	8 3/4"	5"	20	1,043.00	1,713.00	2,217.00	16
05"	4 1/4"	10 1/2"	6 1/2"	40	1,961.00	3,054.00	3,560.00	23
06"	4 1/4"	10 1/2"	6 1/2"	40	1,961.00	3,054.00	3,560.00	23

△For 05 & 06" size, add 1/2".

▲For 05 & 06" size, reduce by 3/16".

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Loose Set Grate.

FIG. 1550 - DOWNSPOUT ADAPTOR

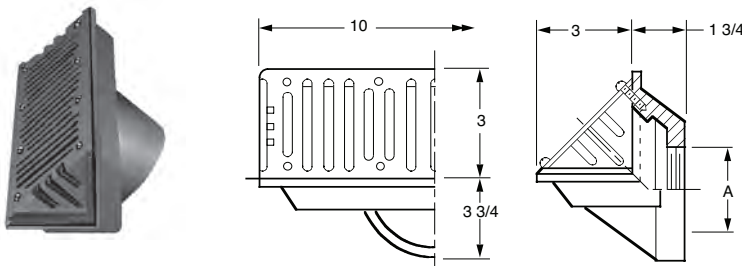


OPTIONS:		ADD
-N3	3" NPT Tapping	120.00

A OUTLET SIZE	B	C	D	E x E' TOP SIZE	F x F'	*DUCO CI	GALV CI	APPROX. WEIGHT LBS.
02, 03, 04"	4 3/4"	7 1/4"	2 3/4"	4 1/4" x 5 3/8"	3" x 5"	534.00	792.00	16

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 1560 SCUPPER DRAIN - 90° OUTLET

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03	N/C

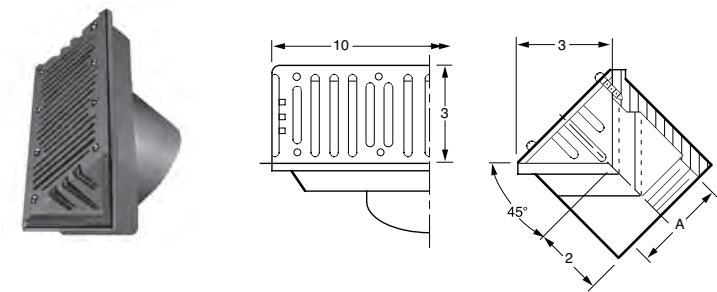
A OUTLET SIZE	FLANGE SIZE	FREE AREA SQ. IN.	*ALL RB	RB BODY PB TOP(PB)	RB BODY NB TOP(NB)	APPROX. WEIGHT LBS.
02, 03"	3 x 10"	14.5	1,755.00	2,254.00	2,781.00	21

REGULARLY FURNISHED: Cast Bronze Body with Combined Rough Bronze Grate, Flashing Clamp and Gasket.

*REGULARLY FURNISHED

ROOF DRAINS

FIG. 1570 SCUPPER DRAIN - 45° OUTLET



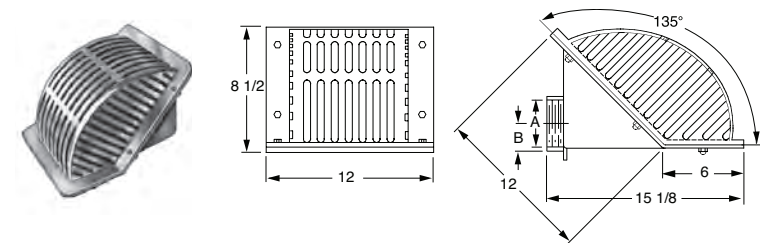
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03	N/C

A OUTLET SIZE	FLANGE SIZE	FREE AREA SQ. IN.	†ALL RB	RB BODY PB TOP(PB)	RB BODY NB TOP(NB)	APPROX. WEIGHT LBS.
02, 03"	3 x 10"	14.5	1,755.00	2,254.00	2,781.00	21

REGULARLY FURNISHED: Cast Bronze Body with Combined Rough Bronze Grate, Flashing Clamp and Gasket.

FIG. 1580 SCUPPER DRAIN - CONVEX GRATE



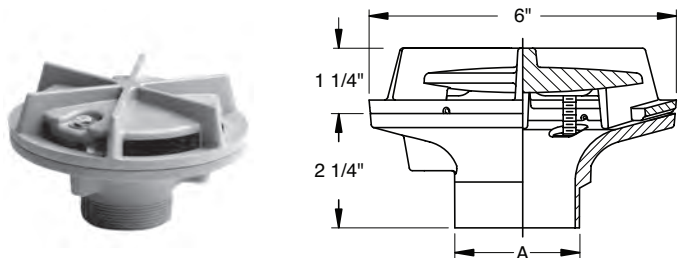
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
	T05, T06	N/C

A OUTLET SIZE	B	FLANGE SIZE	FREE AREA SQ. IN.	†GALV. STL RB TOP	GALV. w/ PB TOP	GALV. w/ NB TOP	APPROX. WEIGHT LBS.
02"	1 3/4"	12" Wd	111	5,851.00	6,689.00	7,043.00	52
03"	2 1/4"	12" Wd	111	5,851.00	6,689.00	7,043.00	52
04"	2 3/4"	12" Wd	111	5,851.00	6,689.00	7,043.00	52
05"	3 1/4"	12" Wd	111	5,851.00	6,689.00	7,043.00	52
06"	4"	12" Wd	111	5,851.00	6,689.00	7,043.00	52

REGULARLY FURNISHED: Cold Galvanized Steel Body with Rough Bronze Grate and Flashing Clamp.

FIG. 1605 6" DIAMETER LOW PROFILE SIPHONIC GUTTER DRAIN



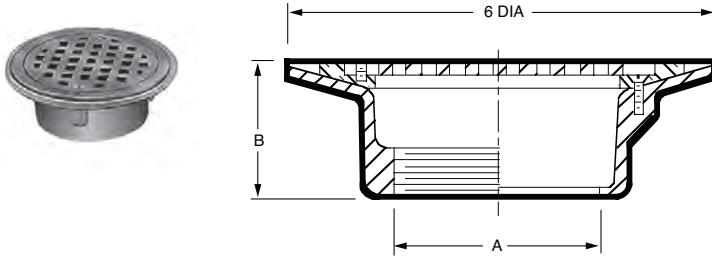
A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI	APPROX. WEIGHT LBS.
02"	6"	5.42	POA	16

REGULARLY FURNISHED: Duco Cast Iron Body with Combination Flashing Clamp and Air Baffle.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
No-Hub	Y02	POA

OPTIONS:		ADD
-G	Galvanized CI	POA
-U	Vandal Proof	POA



A OUTLET SIZE	B BODY HT.	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02, 03"	2"	6"	7	650.00	1,079.00	4
03"	*4"	6"	7	1,233.00	1,660.00	5
04"	4"	6"	7	1,728.00	3,075.00	6

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze ADA Top Secured with Brass Screws.

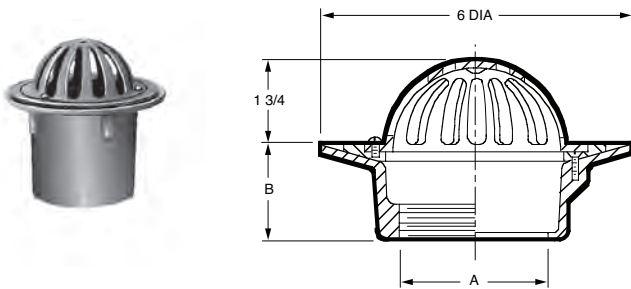
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	N/C
Threaded	T02, T03	N/C
Threaded	T04 (Available in 4" Deep Body Only)	N/C

OPTIONS:	ADD
-CP Chrome Plated Dome	355.00
-G Galvanized Cast Iron	259.00
-NB Nickel Bronze Dome	320.00
-PB Polished Bronze Dome	189.00
-SSM SS Mesh on Dome	183.00
-U Vandal Proof Grate	86.00
-WD02 2" High Water Dam on Collar	583.00

*For 4" deep body, specify B4 option when ordering.

FIG. 1620 LOW DOME - BOTTOM OUTLET GUTTER DRAIN



A OUTLET SIZE	B BODY HT.	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02, 03"	2"	6"	8	650.00	1,079.00	4
02, 03"	*4"	6"	8	1,233.00	1,660.00	5
04"	4"	6"	8	1,728.00	3,075.00	6

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

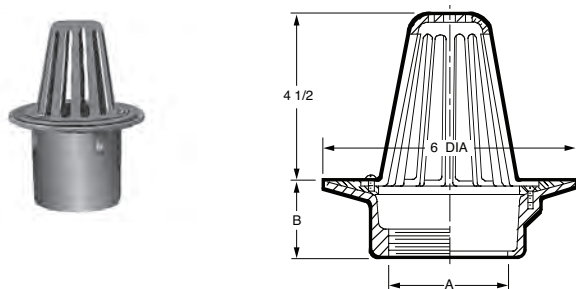
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	N/C
Threaded	T02, T03	N/C
Threaded	T04 (Available in 4" Deep Body Only)	N/C

OPTIONS:	ADD
-CP Chrome Plated Dome	355.00
-G Galvanized Cast Iron	259.00
-NB Nickel Bronze Dome	320.00
-PB Polished Bronze Dome	189.00
-SSM SS Mesh on Dome	365.00
-U Vandal Proof Grate	86.00
-WD02 2" High Water Dam on Collar	583.00

*For 4" deep body, specify B4 option when ordering.

FIG. 1630 HIGH DOME - BOTTOM OUTLET GUTTER DRAIN



A OUTLET SIZE	B BODY HT.	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02, 03"	2"	6"	24.5	777.00	1,205.00	5
02, 03"	*4"	6"	24.5	1,360.00	1,788.00	6
04"	4"	6"	24.5	1,857.00	3,204.00	6

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

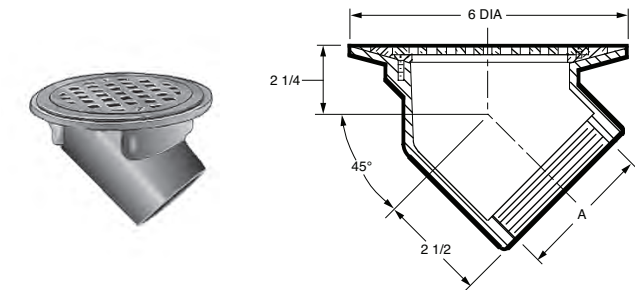
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	N/C
Threaded	T02, T03	N/C
Threaded	T04 (Available in 4" Deep Body Only)	N/C

OPTIONS:	ADD
-CP Chrome Plated Dome	536.00
-G Galvanized Cast Iron	259.00
-NB Nickel Bronze Dome	495.00
-PB Polished Bronze Dome	332.00
-SSM SS Mesh on Dome	670.00
-U Vandal Proof Grate	86.00
-WD02 2" High Water Dam on Collar	583.00

*For 4" deep body, specify B4 option when ordering.

ROOF DRAINS

FIG. 1640 FLAT STRAINER - 45° OUTLET GUTTER DRAIN



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02"	6"	7	828.00	1,356.00	7
03"	6"	7	1,121.00	2,024.00	10
04"	6"	7	1,121.00	2,024.00	10

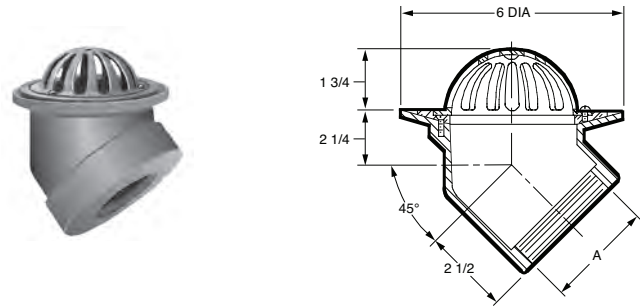
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze ADA Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C

OPTIONS:	ADD
-CP Chrome Plated Dome	355.00
-G Galvanized Cast Iron	259.00
-NB Nickel Bronze Dome	320.00
-PB Polished Bronze Dome	189.00
-SSM SS Mesh on Dome	183.00
-U Vandal Proof Grate	86.00
-WD02 2" High Water Dam on Collar	583.00

FIG. 1650 LOW DOME - 45° OUTLET GUTTER DRAIN



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02"	6"	8	828.00	1,356.00	7
03"	6"	8	1,121.00	2,024.00	10
04"	6"	8	1,121.00	2,024.00	12

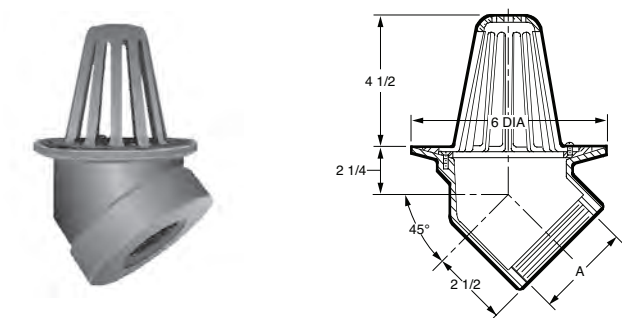
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C

OPTIONS:	ADD
-CP Chrome Plated Dome	355.00
-G Galvanized Cast Iron	259.00
-NB Nickel Bronze Dome	320.00
-PB Polished Bronze Dome	189.00
-SSM SS Mesh on Dome	365.00
-U Vandal Proof Grate	86.00
-WD02 2" High Water Dam on Collar	583.00

FIG. 1660 HIGH DOME - 45° OUTLET GUTTER DRAIN



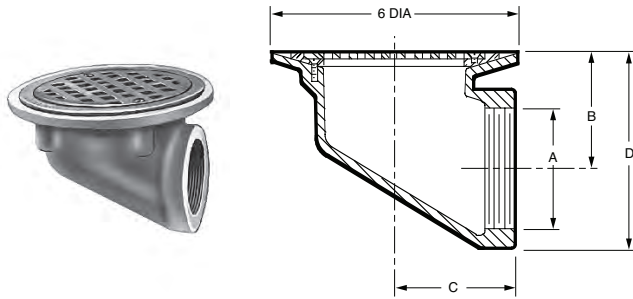
A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	*DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02"	6"	24.5	949.00	1,477.00	7
03"	6"	24.5	1,385.00	2,288.00	10
04"	6"	24.5	1,385.00	2,288.00	12

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C

OPTIONS:	ADD
-CP Chrome Plated Dome	536.00
-G Galvanized Cast Iron	259.00
-NB Nickel Bronze Dome	495.00
-PB Polished Bronze Dome	332.00
-SSM SS Mesh on Dome	670.00
-U Vandal Proof Grate	86.00
-WD02 2" High Water Dam on Collar	583.00



A OUTLET SIZE	B	C	D	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02"	2 1/2"	2 1/2"	4"	6"	7	828.00	1,356.00	7
03"	3"	3"	5"	6"	7	1,121.00	2,024.00	10
04"	3 1/2"	4"	6 1/4"	6"	7	1,121.00	2,024.00	12

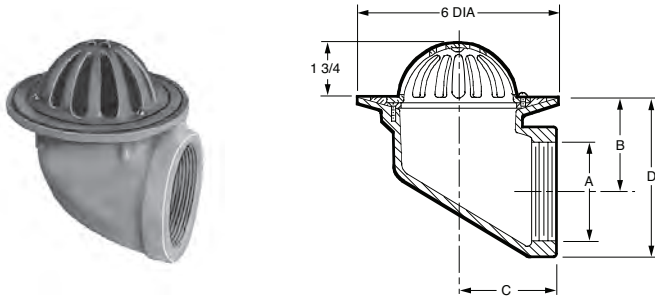
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze ADA Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C

OPTIONS:		ADD
-CP	Chrome Plated Dome	355.00
-G	Galvanized Cast Iron	259.00
-NB	Nickel Bronze Dome	320.00
-PB	Polished Bronze Dome	189.00
-SSM	SS Mesh on Dome	183.00
-U	Vandal Proof Grate	86.00
-WD02	2" High Water Dam on Collar	583.00

FIG. 1680 LOW DOME - SIDE OUTLET GUTTER DRAIN



A OUTLET SIZE	B	C	D	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02"	2 1/2"	2 1/2"	4"	6"	8	828.00	1,356.00	7
03"	3"	3"	5"	6"	8	1,121.00	2,024.00	10
04"	3 1/2"	4"	6 1/4"	6"	8	1,121.00	2,024.00	12

REGULARLY FURNISHED:

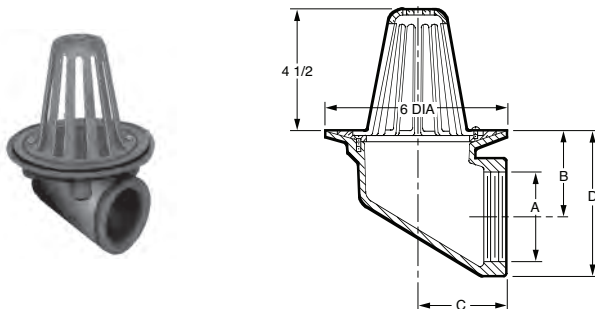
Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C

OPTIONS:		ADD
-CP	Chrome Plated Dome	355.00
-G	Galvanized Cast Iron	259.00
-NB	Nickel Bronze Dome	320.00
-PB	Polished Bronze Dome	189.00
-SSM	SS Mesh on Dome	365.00
-U	Vandal Proof Grate	86.00
-WD02	2" High Water Dam on Collar	583.00

FIG. 1690 HIGH DOME - SIDE OUTLET GUTTER DRAIN



A OUTLET SIZE	B	C	D	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI RB TOP	ALL ROUGH BRZ (-BB)	APPROX. WEIGHT LBS.
02"	2 1/2"	2 1/2"	4"	6"	24.5	949.00	1,477.00	7
03"	3"	3"	5"	6"	24.5	1,385.00	2,288.00	10
04"	3 1/2"	4"	6 1/4"	6"	24.5	1,385.00	2,288.00	10

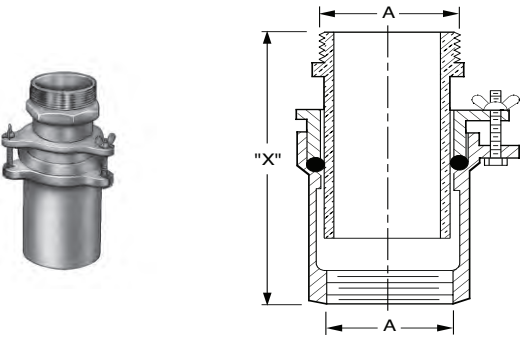
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C

OPTIONS:		ADD
-CP	Chrome Plated Dome	536.00
-G	Galvanized Cast Iron	259.00
-NB	Nickel Bronze Dome	495.00
-PB	Polished Bronze Dome	332.00
-SSM	SS Mesh on Dome	670.00
-U	Vandal Proof Grate	86.00
-WD02	2" High Water Dam on Collar	583.00

*REGULARLY FURNISHED



REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Bronze Expansion Sleeve and Bronze Bolts and Wing Nuts.

*02" not available. [For 2" leaders, a 03" - 1710 will be provided with a 02" threaded connection in outlet of cast iron body. This requires using a 3" drain body.]

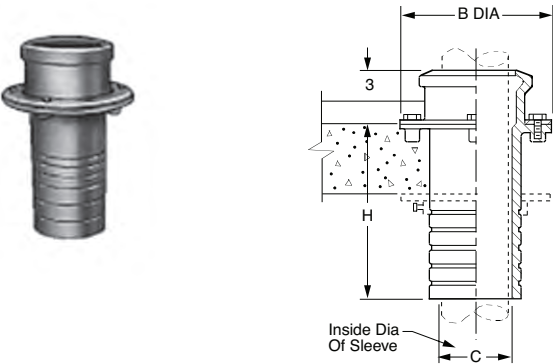
Must be installed in vertical installation only, in an accessible location preferably under the roof drain. Should be installed in an open space where the expansion sleeve can move freely. Never install encased in a slab, in soil or a similar substrate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04, S05, S06, S08	See Fig. 2646S
Threaded	T02, T03, T04, T05, T06, T08	N/C
No-Hub	Y02, Y03, Y04, Y05, Y06, Y08	See Fig. 2646Y for list add to THREADED body price

A OUTLET SIZE	"X"		+DUCO CI	GALV CI	APPROX. WEIGHT LBS.
	MIN.	MAX.			
*02"	7 5/16"	9 3/4"	1,030.00	1,307.00	9
03"	7 11/16"	9 3/4"	1,101.00	1,378.00	10
04"	7 11/16"	9 3/4"	1,247.00	1,525.00	12
05"	8 3/4"	10 5/16"	1,805.00	2,082.00	18
06"	8 3/8"	10 1/4"	2,076.00	2,353.00	21
08"	8 5/8"	11 1/16"	3,655.00	3,933.00	40

FIG. 1720 ROOF ACCESSORY - STACK OR WALL SLEEVE



H= -5, -10 or -14"
(Specify Height)

OPTIONS:		ADD
-C	Underdeck Clamp	
	050 thru 06"	218.00
	08 thru 12"	411.00
-G	Galvanized Cast Iron	410.00

PIPE SIZE	B DIA.	C INSIDE DIA.	+DUCO CI 5" HEIGHT	H DUCO CI 10" HEIGHT	DUCO CI 14" HEIGHT	APPROX. WEIGHT LBS.
050, 075, 01"	5"	11 1/2"	504.00	1,099.00	1,447.00	10
0125, 0150, 02"	6 3/4"	2 3/4"	504.00	1,099.00	1,447.00	10
0250, 03"	7 1/2"	3 3/4"	828.00	1,488.00	2,662.00	12
04"	8 1/2"	4 3/4"	828.00	1,488.00	2,662.00	16
05"	9 1/2"	5 3/4"	1,508.00	2,555.00	6,823.00	24
06"	10 1/2"	6 3/4"	1,508.00	2,555.00	6,823.00	24
08"	13 1/2"	9"	1,763.00	3,456.00	8,199.00	29
10"	15 1/2"	11 1/4"	1,837.00	4,870.00	10,120.00	31
12"	19"	13 1/4"	2,936.00	6,303.00	10,622.00	40

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp.

FIG. 1730 ROOF ACCESSORY - PARAPET SLEEVE

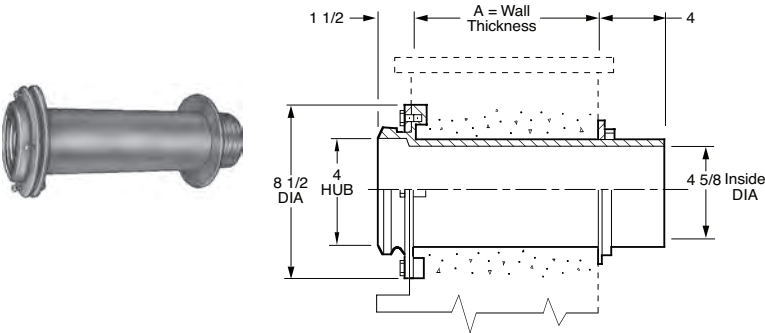
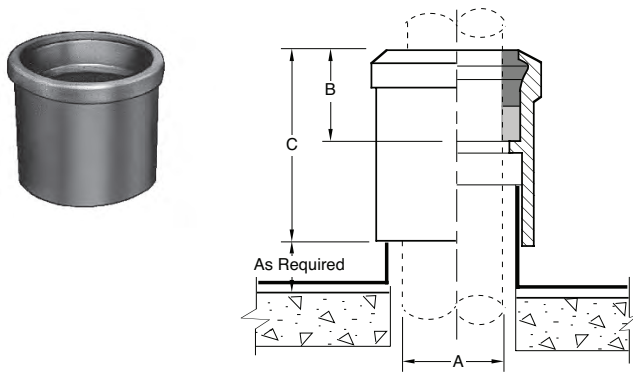


FIGURE NUMBER	A WALL THICKNESS	HUB SIZE	+DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
1730-0850	8 1/2" (0850)	04"	1,460.00	1,825.00	20
1730-0950	9 1/2" (0950)	04"	1,460.00	1,825.00	26
1730-1350	13 1/2" (1350)	04"	1,660.00	2,025.00	32
1730-1750	17 1/2" (1750)	04"	2,047.00	2,411.00	38
1730-2250	22 1/2" (2250)	04"	2,191.00	2,556.00	45

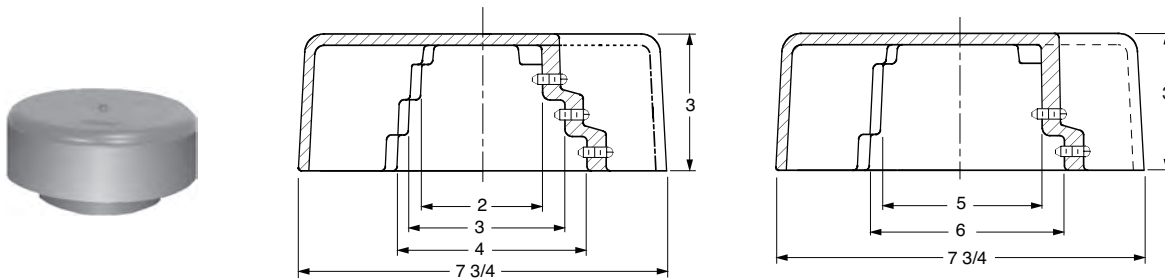
REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp and Adjustable Wall Flange.



A SIZE	B	C	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02"	1 3/4"	3 1/2"	92.00	213.00	2
03"	1 3/4"	3 3/4"	168.00	290.00	4
04"	1 3/4"	3 3/4"	191.00	314.00	5
05"	1 3/4"	3 3/4"	250.00	371.00	6
06"	1 3/4"	3 3/4"	495.00	617.00	7
08"	2 1/4"	4 1/4"	1,026.00	1,148.00	9

REGULARLY FURNISHED: Duco Cast Iron.

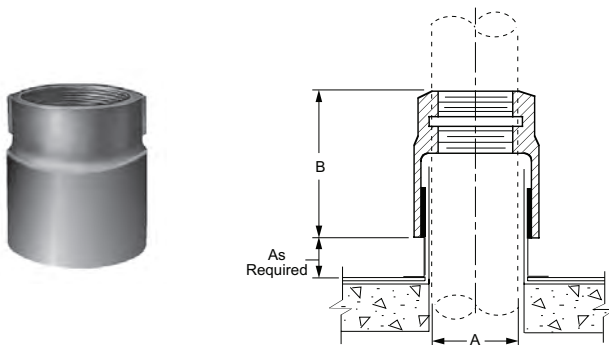
FIG. 1748 ROOF ACCESSORY - VENT CAP



REGULARLY FURNISHED: Duco Cast Iron Dome Secured with Recessed Allen Socket Set Screws.

PIPE SIZE	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
0150, 02"	650.00	911.00	15
03"	736.00	997.00	15
04"	818.00	1,080.00	15
05"	964.00	1,224.00	22
06"	1,046.00	1,308.00	22

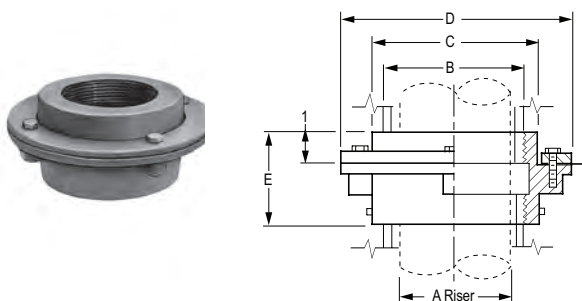
FIG. 1750 ROOF ACCESSORY - THREADED TYPE ROOF COUPLING



REGULARLY FURNISHED: Duco Cast Iron.

A SIZE	B	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
0125"	5"	298.00	585.00	5
0150"	4"	POA	POA	5
02"	4"	298.00	585.00	5
0250"	4 3/4"	POA	POA	7
03"	4 1/2"	342.00	629.00	7
04"	4 1/2"	442.00	730.00	8
05"	5 1/2"	636.00	923.00	11
06"	5 1/2"	636.00	923.00	11
08"	6 1/2"	1,579.00	1,969.00	20

FIG. 1760 ROOF ACCESSORY - RISER SLEEVE ADAPTOR

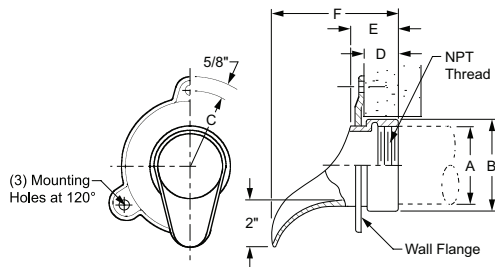


A RISER	B SIZE	C DIA.	D DIA.	E	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
0150"	2 1/2"	4"	6 1/2"	3"	655.00	1,046.00	12
02"	3"	4"	6 1/2"	3"	686.00	1,078.00	14
0250, 03"	4"	5"	7 1/4"	3"	686.00	1,078.00	16
04"	5"	6 1/2"	9 1/4"	3 1/2"	955.00	1,346.00	18
05"	6"	7 1/2"	10 1/4"	3 3/4"	985.00	1,376.00	21
06"	8"	10"	13 1/4"	4"	1,385.00	1,777.00	31

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp.

ROOF DRAINS

FIG. 1770 ROOF ACCESSORY - DOWNSPOUT NOZZLE

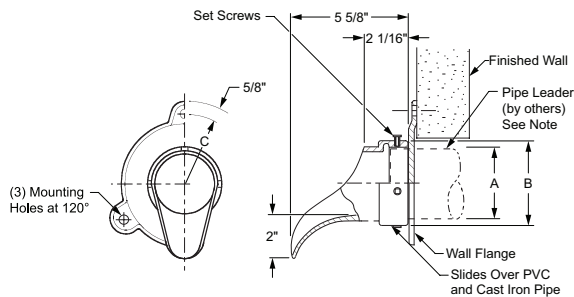


OPTIONS:		ADD
-BS	Bird Screen	855.00

REGULARLY FURNISHED: Cast Bronze Nozzle and Flange.

A SIZE	B SIZE	C RAD	D	E	F	†ROUGH BRONZE	NB	PB	CP	APPROX. WEIGHT LBS.
02"(No-Hub & Thrd)	2 3/4"	2 3/4"	13/8"	2 1/16"	5 5/8"	998.00	1,703.00	1,520.00	1,857.00	9
03"(No-Hub & Thrd)	4"	3 1/2"	13/8"	2 1/16"	5 5/8"	998.00	1,703.00	1,520.00	1,857.00	9
04"(No-Hub & Thrd)	5"	3 7/8"	13/8"	2 1/16"	5 5/8"	998.00	1,703.00	1,520.00	1,857.00	9
05"(No-Hub & Thrd)	6"	4 3/8"	13/8"	2 1/16"	5 5/8"	2,355.00	3,027.00	2,728.00	3,340.00	16
06"(Thrd)	7 1/4"	5"	13/8"	2 1/16"	5 5/8"	2,355.00	3,027.00	2,728.00	3,340.00	16
06"(No-Hub)	7 1/4"	5"	13/16"	2 1/2"	6 1/4"	2,355.00	3,027.00	2,728.00	3,340.00	16
08"(No-Hub & Thrd)	9 1/4"	5 7/8"	15/8"	2 3/8"	5 15/16"	3,563.00	4,181.00	3,993.00	4,564.00	23
10"(No-Hub & Thrd)	11 1/8"	7 1/4"	13/4"	2 3/4"	5 3/8"	4,625.00	5,460.00	5,181.00	5,955.00	28
12"(No-Hub & Thrd)	13 1/4"	8"	2"	2 15/16"	7 9/16"	5,819.00	6,755.00	6,416.00	7,372.00	33

FIG. 1771 ROOF ACCESSORY - DOWNSPOUT NOZZLE



OPTIONS:		ADD
-BS	Bird Screen	855.00

NOTE: Pipe (Leader) must extend past the face of the finished wall in order to install the wall flange and attach the downspout nozzle. Dimension shall be field determined by installer.

A PIPE SIZE	B SIZE	C RAD	†ROUGH BRONZE	NB	PB	APPROX. WEIGHT LBS.
02"	2 3/4"	2 3/4"	998.00	1,703.00	1,520.00	9
03"	4"	3 1/2"	998.00	1,703.00	1,520.00	9
04"	5"	3 7/8"	998.00	1,703.00	1,520.00	9
05"	6"	4 3/8"	2,355.00	3,027.00	2,728.00	16
06"	7 1/4"	5"	2,355.00	3,027.00	2,728.00	16
08"	9 1/4"	5 7/8"	3,563.00	4,181.00	3,993.00	23
10"	11 1/8"	7 1/4"	4,625.00	5,460.00	5,181.00	28
12"	13 1/4"	8"	5,819.00	6,755.00	6,416.00	33

REGULARLY FURNISHED: Cast Bronze Nozzle and Flange, Machined Nozzle Slides Over PVC and Cast Iron Pipe.

†REGULARLY FURNISHED

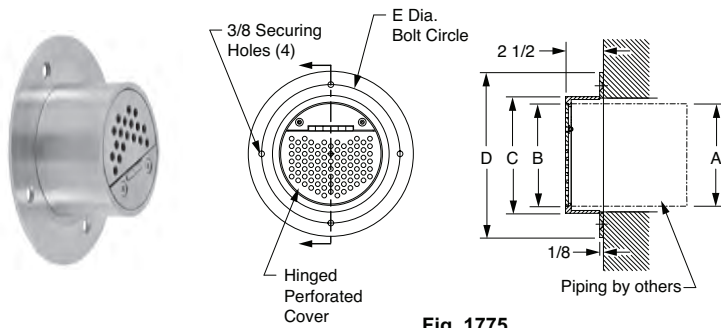


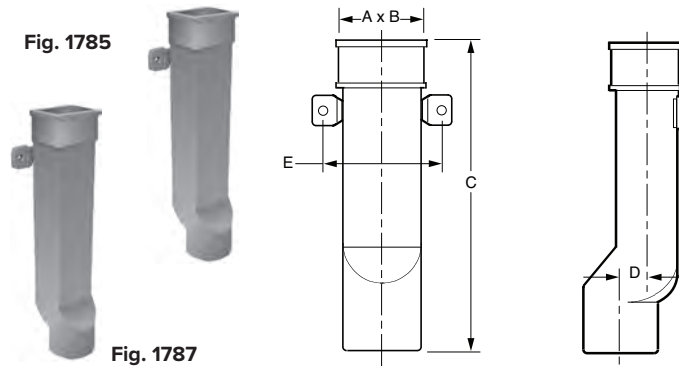
Fig. 1775

OPTIONS:		ADD
-U	Vandal Proof	226.00
-H5	5" Long Downspout Frame (Specify 1775H5)	POA

A PIPE SIZE	B DIA.	C DIA.	D DIA.	E DIA.	+SS	CP	PB
03"	4"	4 1/2"	7 11/16"	5 15/16"	4,587.00	5,390.00	4,995.00
04"	5"	5 9/16"	8 3/4"	7"	4,587.00	5,390.00	4,995.00
05"	6 1/4"	6 5/8"	9 13/16"	8 1/8"	4,838.00	5,641.00	5,270.00
06"	7 3/16"	7 9/16"	10 7/8"	9 1/8"	4,838.00	5,641.00	5,270.00
08"	9 3/16"	9 9/16"	12 7/8"	11 1/8"	5,076.00	5,879.00	5,524.00
10"	11 5/16"	11 11/16"	15"	13 1/4"	5,371.00	6,174.00	5,845.00
12"	13 5/16"	13 11/16"	17"	15 1/4"	5,691.00	6,494.00	6,201.00
15"	16 7/16"	16 13/16"	20 1/8"	18 3/8"	6,018.00	6,821.00	6,554.00
16"	16 7/16"	16 13/16"	20 1/8"	18 3/8"	6,114.00	6,917.00	6,725.00

REGULARLY FURNISHED: Fabricated Type 304 Stainless Steel
Downspout Cover with Hinged Perforated Cover.

FIG. 1785, 1786, 1787 ROOF ACCESSORY - DOWNSPOUT BOOTS



OPTIONS:		ADD
-G	Galvanized Cast Iron 1785	818.00
-G	Galvanized Cast Iron 1786, 1787	1,514.00

FIG. NO.	A X B SIZE	C LENGTH	D	E	CAST IRON	APPROX. WEIGHT LBS.
1785-12	04 X 03" RECT.	12"	1 1/2"	6 5/8"	985.00	16
*1785-12CA	04 X 03" RECT.	12"	1 1/2"	6 5/8"	2,072.00	16
1785-18	04 X 03" RECT.	18"	1 1/2"	6 5/8"	1,285.00	22
*1785-18CA	04 X 03" RECT.	18"	1 1/2"	6 5/8"	2,373.00	22
1785-24	04 X 03" RECT.	24"	1 1/2"	6 5/8"	2,294.00	28
*1785-24CA	04 X 03" RECT.	24"	1 1/2"	6 5/8"	3,379.00	28
1786-24	05 X 04" RECT.	24"	1"	7 5/8"	2,184.00	37
*1786-24CA	05 X 04" RECT.	24"	1"	7 5/8"	3,262.00	37
1786-36	05 X 04" RECT.	36"	1"	7 5/8"	3,183.00	37
1787-18	04" ROUND	18"	1"	6 1/8"	1,514.00	26
*1787-18CA	04" ROUND	18"	1"	6 1/8"	2,591.00	26

*With cleanout access.

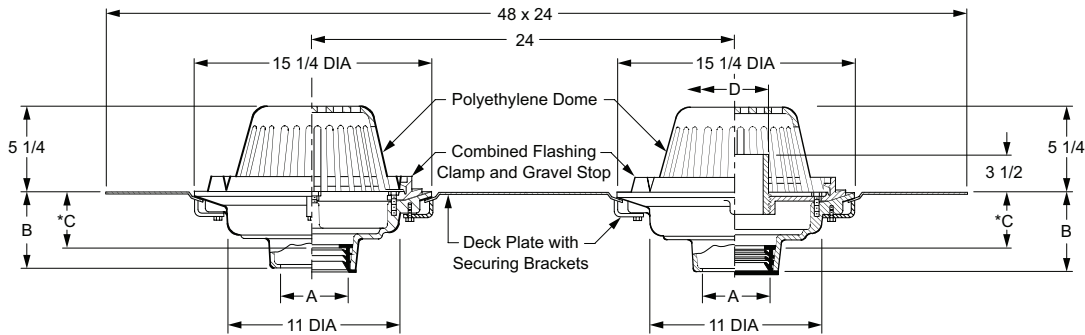
REGULARLY FURNISHED: Cast Iron Body and Strap with 5/16" Dia. Cast Holes for Flat Head Bolts, Typical. All Shapes Unpainted.

*REGULARLY FURNISHED



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	240.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

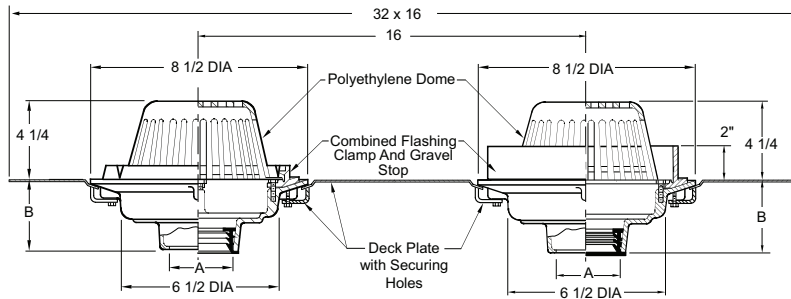


*Note: This dimension to internal stop of Speedi-Set gasket

A OUTLET SIZE	*C DIA.	D STANDPIPE SIZE	FREE AREA SQ. IN.	†DUCO CI POLY DOME
02, 03, 04"	3 3/4"	4"	102.5	3,918.00
05, 06"	3 3/4"	6"	102.5	4,809.00

REGULARLY FURNISHED: Duco cast iron bodies with combined flashing clamp and gravel stop for roof drain and combined flashing clamp for gravel stop with 3 1/2" high internal water dam standpipe for overflow drain. Deck plate with securing holes provided to receive both drains. Both drains provided with polyethylene domes.

OPTIONS:		ADD
-AD	Aluminum Dome	764.00
-AE	Adjustable Extension	2,198.00
-C2	Secondary Flashing Clamp (Requires Extension)	578.00
-CID	Cast Iron Domes	658.00
-CIDG	Cast Iron Domes with Galvanizing	1,772.00
-CID8	8" High Cast Iron Dome	1,428.00
-E	Extension up to 4"	2,060.00
	per inch over 4"	490.00
-G	Galvanized Cast Iron Body	2,982.00
-PDSSM	SS Mesh on Poly Dome	1,558.00
-RBD	Rough Bronze Dome	2,578.00
-RBDSSM	Rough Bronze Dome w/SS Mesh	4,136.00
-SSM	SS Mesh on Metal Domes	1,558.00
-U	Vandal Proof Dome	382.00
-WD02	External Water Dam in Lieu of Internal	N/C



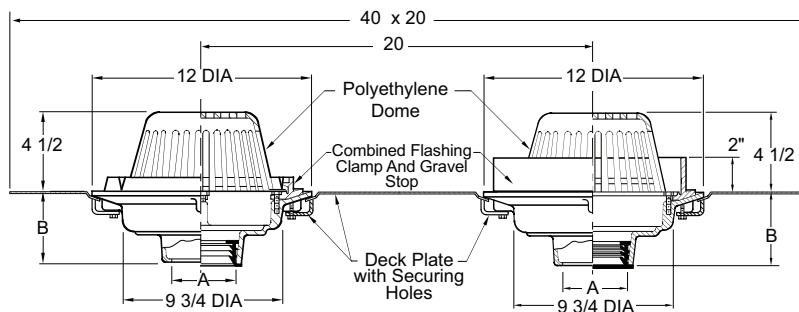
A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	41.5	2,721.00	30

REGULARLY FURNISHED: Duco Cast Iron Body, Double Deck Plate with Securing Holes, Combined Flashing Clamp and Gravel Stop for Roof Drain and External Water Dam for Overflow Drain, both with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5 1/2"	N/C
Speedi-Set® SW	L02, L03, L04	5 1/2"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5 1/2"	N/C
Threaded	T02, T03, T04	4 1/4"	240.00
No-Hub	Y02, Y03, Y04	5 1/2"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	558.00
-C2 Secondary Flashing Clamp (Requires Extension)	578.00
-C2E04P Sec. Flashing Clamp w/4" Perf SS Extension	2,018.00
-CID Cast Iron Domes	294.00
-CIDG Cast Iron Domes w/ Galvanizing	744.00
-E Ext. to 4" Per Inch, CI	262.00
-G Galvanized Cast Iron Body	612.00
-RBD Rough Bronze Dome	1,056.00
-SSM SS Mesh on Metal Domes	1,086.00
-U Vandal Proof Dome	356.00

FIG. 1850 ROOF DRAIN AND OVERFLOW DRAIN WITH DECK TOP MOUNTING PLATE


A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	APPROX. WEIGHT LBS.
02, 03, 04"	12"	71.5	3,029.00	27
05, 06"	12"	71.5	3,029.00	27

REGULARLY FURNISHED: Duco Cast Iron Body, Double Deck Plate with Securing Holes, Combined Flashing Clamp and Gravel Stop for Roof Drain and External Water Dam for Overflow Drain, both with Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04, T05, T06	4 3/4"	240.00
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	N/C

OPTIONS:	ADD
-AD Aluminum Dome	558.00
-C2 Secondary Flashing Clamp (Requires Extension)	578.00
-C2E04P Secondary Flashing Clamp w/4" Perf SS Extension	2,544.00
-CID Cast Iron Domes	490.00
-CIDG Cast Iron Domes w/ Galvanizing	1,618.00
-E Ext. to 4" Per Inch, CI	262.00
-G Galvanized Cast Iron Body	1,230.00
-RBD Rough Bronze Dome	1,272.00
-SSM SS Mesh on Metal Domes	1,438.00
-U Vandal Proof Dome	356.00



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA
08	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-CL	Angular Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-WD02	External Water Dam	POA
	Gravel Guard & Standpipe Per 1"	POA

FIG. 1901 15 1/4" DIAMETER - PLANTER DRAIN AND OVERFLOW STANDPIPE



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA
08	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-AE	Adjustable Extension	POA
-BZS	Bronze Standpipe	POA
-C	Underdeck Clamp	POA
-CIS	Cast Iron Standpipe	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-U	Vandal Proof Screws	POA
	Gravel Guard & Standpipe Per 1"	POA

FIG. 1902 LOW PROFILE PERFORATED DOME WITH REMOVABLE LID



Outlet Size	†DUCO CI
02, 03, 04	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-U	Vandal Proof	POA
-WD02	Water Dam 2"	POA
	Gravel Guard Per 1" over 5"	POA

FIG. 1905 MULTI-LEVEL PLANTER DRAIN AND PERFORATED STANDPIPE



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-R	Sump Receiver	POA
-U	Vandal Proof	POA
-WD02	External 2" Water Dam Lower Drain	POA
	Standpipe Per 1" over 20"	POA

FIG. 1906 PLANTING AREA DRAIN



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-U	Vandal Proof	POA
	Standpipe Per 1" over 22"	POA



Outlet Size	+DUCO CI
02, 03, 04	POA
05, 06	POA
08	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-AD	Aluminum Dome	POA
-C	Underdeck Clamp	POA
-CID	Cast Iron Dome	POA
-CIDG	CI Dome w/ Galvanizing	POA
-G	Galvanized CI	POA
-R	Sump Receiver	POA
-SSM	Stainless Steel Mesh on Standpipe	POA
-U	Vandal Proof Screws	POA
	Standpipe Per 1" over 21"	POA

FIG. 1910 ROOF DRAIN WITH STANDPIPE-LARGE AREA PLANTER TYPE



Outlet Size	+DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-G	Galvanized CI	POA
-P	Trap Primer Connection	POA
-R	Sump Receiver	POA
-U	Vandal Proof Screws	POA
	Standpipe Per 1" over 6"	POA

FIG. 1913 PLANTER DRAIN



Outlet Size	+DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-G	Galvanized CI	POA
-R	Sump Receiver	POA
	Gravel Guard Per 1" over 12"	POA

Note: Specify bottom and side outlet size when ordering. ex: 1913C02-02

FIG. 1915 PLAZA AND PLANTER DRAIN FOR NON-PEDESTRIAN TRAFFIC



Outlet Size	+DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-CIDG	CI Dome w/ Galvanizing	POA
-G	Galvanized CI	POA
-R	Sump Receiver	POA
-U	Vandal Proof Screws	POA
	Standpipe Per 1" over 20"	POA

FIG. 1920 PLAZA AND PLANTER DRAIN FOR PEDESTRIAN TRAFFIC



Outlet Size	+DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-G	Galvanized CI	POA
-M	Ductile Iron Grate	POA
-NB	Nickel Bronze Top	POA
-PB	Polished Bronze Top	POA
-R	Sump Receiver	POA
-U	Vandal Proof Screws	POA
	Standpipe Per 1" over 20"	POA

FIG. 1930 PLANTER AREA DRAIN



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-R	Sump Receiver	POA
	Gravel Guard Per 1" over reg. furn	POA

FIG. 1935 20" DIAMETER - PLANTER AREA OVERFLOW DRAIN



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-AD	Aluminum Dome	POA
-AE	Adjustable Extension	POA
-C	Underdeck Clamp	POA
-CID	Cast Iron Dome	POA
-CIDG	Cast Iron Dome w/Galvanizing	POA
-CIS	Cast Iron Standpipe	POA
-G	Galvanized Cast Iron Body & Collar	POA
-U	Vandal Proof Screws	POA
	Gravel Guard Per 1" over 12"	POA

FIG. 1936 PLANTING AREA DRAIN



Outlet Size	†DUCO CI
02, 03, 04	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-U	Vandal Proof Screws	POA
	Gravel Guard & Standpipe Per 1"	POA

FIG. 1937 LOW PROFILE PERFORATED DOME COVER WITH REMOVABLE LID



Outlet Size	†DUCO CI
02, 03, 04	POA
05, 06	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-C	Underdeck Clamp	POA
-CID	Cast Iron Dome	POA
-CIDG	Cast Iron Dome w/Galvanizing	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-RDP	Roof Deck Plate	POA
-SSM	SS Mesh on Dome	POA
-U	Vandal Proof Screws	POA
-WD2	2" Internal Water Dam Standpipe	POA
	Gravel Guard Per 1" over 6"	POA

FIG. 1940 8 1/2" DIAMETER PLANTER DRAIN WITH LOW PROFILE DOME



Outlet Size	†DUCO CI
02, 03, 04	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-AD	Aluminum Dome	POA
-C	Underdeck Clamp	POA
-CID	Cast Iron Dome	POA
-CIDG	Cast Iron Dome w/Galvanizing	POA
-CL	"L" Shaped Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-RBD	Rough Bronze Dome	POA
-U	Vandal Proof Screws	POA
	Gravel Guard Per 1" over 8"	POA

FIG. 1950 8 1/2" DIAMETER SIDE OUTLET PLANTER DRAIN WITH LOW PROFILE DOME



Outlet Size	†DUCO CI
02, 03, 04	POA

C	Caulk Outlet	POA
Y	No-Hub Outlet	POA
T	Threaded Outlet	POA

ADD FOR:

-AD	Aluminum Dome	POA
-C	Underdeck Clamp	POA
-CIDG	Cast Iron Dome w/Galvanizing	POA
-CL	"L" Shaped Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
-RBD	Rough Bronze Dome	POA
-U	Vandal Proof Screws	POA
	Gravel Guard Per 1" over 8"	POA

FLOOR DRAINS



Fig. 2005 (A-Round)



Fig. 2005 (B-Square)



Fig. 2100 (A-Round)



Fig. 2100 (B-Square)



Fig. DX2010 (A-Round)



Fig. DX2010 (B-Square)



Fig. 2115 (A-Round)



Fig. 2166



Fig. 2200 (A-Round)



Fig. 2300 (A-Round)



Fig. 2038

Photo not
available

Fig. 2039



Fig. 2040 (A-Round)

Photo not
available

Fig. 2050

Photo not
available

Fig. 2051



Fig. 2110



Fig. 2115



Fig. 2120



Fig. 2125



Fig. 2130



Fig. 2135



Fig. 2140



Fig. 2142



Fig. 2143



Fig. 2145



Fig. 2147



Fig. 2210



Fig. 2215



Fig. 2220



Fig. 2225



Fig. 2230



Fig. 2233



Fig. 2235



Fig. 2238



Fig. 2240



Fig. 2242



Fig. 2245



Fig. 2247



Fig. 2250



Fig. 2255

FLOOR DRAINS



Fig. 2270



Fig. 2275



Fig. 2280



Fig. 2285

Photo not
available



Fig. 2295

Fig. 2310



Fig. 2315



Fig. DX2312



Fig. 2320



Fig. 2325



Fig. 2330



Fig. 2335



Fig. 2340



Fig. 2345



Fig. 2350



Fig. 2355



Fig. 2360



Fig. 2365



Fig. 2410



Fig. 2420



Fig. 2450



Fig. 2455



Fig. 2470



Fig. 2475



Fig. 2484

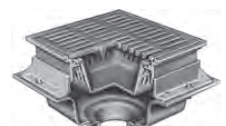


Fig. 2488



Fig. 2490



Fig. 2495



Fig. 2500



Fig. 2505



Fig. 2508



Fig. 2510



Fig. 2515



Fig. 2530



Fig. DX2565



Fig. DX2566

FLOOR DRAINS



Fig. DX2568



Fig. 2570



Fig. 2585



Fig. 2589



Fig. 2614



Fig. 2624



Fig. 2630



Fig. 2640



Fig. 2641



Fig. 2643



Fig. 2645



Fig. 2646



Fig. 2646Y



Fig. 2650



Fig. 2651



Fig. 2652



Fig. 2670



Fig. 2673



Fig. 2674



Fig. 2675



Fig. 2680



Fig. 2685



Fig. 2690



Fig. 2692



Fig. 2695



Fig. 2698



Fig. 2699LF



Fig. 2710



Fig. 2810



Fig. 2901



Fig. 2911



Fig. 2941



Fig. 2952



Fig. 2971



Fig. 2982

FOR STAINLESS STEEL FLOOR DRAINS SEE 9000 SECTION



Fig. 9710



Fig. 9715



Fig. 9730



Fig. 9740



Fig. 9760

ORDERING GUIDELINES



2000 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

2005Y04 (-A06-PB-B-U)

Figure No. _____
Type of Outlet (No-Hub) _____
Pipe Size (Inches) _____
Strainer Size (6") _____
Strainer Material _____
Sediment Bucket _____
Vandal Proof _____

Drain Outlet Types:

C Caulk Outlet
T Threaded Outlet
Y NO-HUB Outlet
L Speedi-Set® Service Weight
(02, 03 & 04" sizes only)
LXH Speedi-Set® Extra Heavy
(02, 03 & 04" sizes only)

Example: Pipe Size (Inches)

02 - 2"
03 - 3"
04 - 4"
etc.

Example: Extensions 3/4" and up

Order as follows:
3/4" -E075
1" -E01
1 1/2" -E015
etc.

FLOOR DRAINS TECHNICAL DATA



HOW TO SELECT A FLOOR DRAIN

Floor drains are primarily used for inside locations where the flow rate into the drain can be anticipated. Sufficient top size and grate free area to pass the anticipated flow are required. Grate free area is defined as "the total area of the drainage openings in the grate." The drain outlet should be sized large enough to safely discharge the maximum flow through the grate without creating water build-up (ponding). The Design Professional shall determine the required flow rate.

Sizing and Location—For most indoor locations, the grate free area should be 1 1/2 times the transverse area of the connecting pipe. See Table 1. The number and location of drains are determined by the Design Professional based on the configuration of the floor plan, type of operation, location of equipment and other factors known to the Design Professional.

When used to drain small exterior areas, area drains should have an open area equal to twice the transverse area of the connecting pipe. See Table 1. The Design Professional shall determine whether the 2 to 1 ratio is sufficient or if exterior surface flow calculations are required.

Recommended Grate Free Areas for Various Outlet Pipe Sizes			
Nominal Pipe Size, IN	Transverse Area of Pipe, SQ. IN.	Minimum Flow Requirements (Interior Areas) SQ. IN.	Maximum Flow Requirements (Exterior Areas) SQ. IN.
1 1/2	2.04	3.06	4.08
2	3.14	4.71	6.28
3	7.06	10.59	14.12
4	12.60	18.90	25.20
5	19.60	29.40	39.20
6	28.30	42.45	56.60
8	50.25	75.38	100.50

Table 1

SELECTING THE DRAIN

After the top size and anticipated flow are determined by the Design Professional, the following points shall be taken into consideration when selecting the floor drain.

Selection of Grate or Cover (Based on Anticipated Traffic)—ASME A12.6.3 (Floor Drains) ratings are as follows. These are static load ratings and do not take into consideration impact or dynamic loading. These load ratings are general categories and are provided for guide purposes only. The Design Professional shall contact the factory for unusual applications, where conditions of use, load concentration, installations, etc., can affect results and service.

Per ASME A12.6.3 (Formerly ANSI A12.21.1M):

- LIGHT DUTY:** All grates/covers having a safe live load under 2,000 lbs. (900 KG).
- MEDIUM DUTY:** All grates/covers having a safe live load between 2,000 lbs. (900 KG) and 4,999 lbs. (2250 KG).
- HEAVY DUTY:** All grates/covers having a safe live load between 5,000 lbs. (2250 KG) and 7,499 lbs. (3375 KG).
- EXTRA HEAVY DUTY:** All grates/covers having a safe live load between 7,500 lbs. (3375) and 10,000 lbs. (4500 KG).
- SPECIAL DUTY:** When the grate safe live load is greater than 10,000 lbs. (4,500 KG).

After the weight capacity is established, a suitable drain can be selected.

IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL TO CONTACT THE FACTORY AND OBTAIN SPECIFIC LOAD RATINGS FOR EACH SPECIFIC DRAIN WHETHER IT IS A STANDARD OR UNUSUAL APPLICATION.

Selection of Top Material—(Unfinished Areas)—Drains located in heavy traffic areas should be specified with heavy duty cast iron grates. In areas where shock loads are anticipated, a ductile iron grate should be specified in lieu of the cast iron grate.

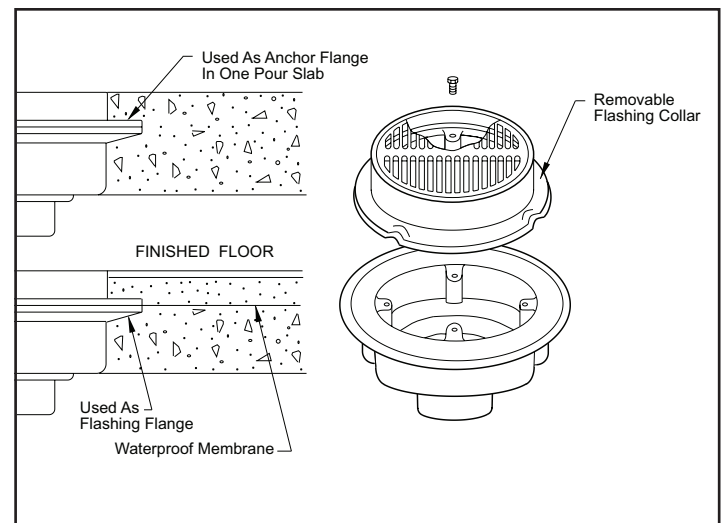
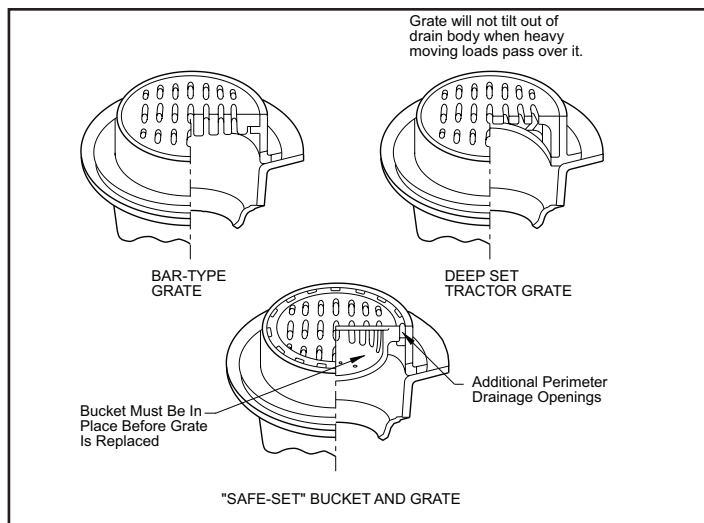
(Finished Areas)—Most drains are available with nickel bronze or bronze tops to match the surrounding trim in finished areas. Usually finished areas require light duty or medium duty tops.

(Finished Areas with Increased Load)—Many finished floor areas are subject to increased loadings. Examples are convention centers, equipment showrooms and industrial plants. Heavy duty cast iron tractor grates SHALL be specified with bronze or nickel bronze veneered tops.

Top Shape—Round, square or rectangular styles are available to blend with all types of construction and floor patterns. The round top is the most flexible type since it can be easily oriented to most floor patterns.

Body Selection—Body depth is proportioned to the top size. Many Smith floor drains can be specified with various body depths. The deeper body is desirable when unusually large amounts of water are to be drained or an extra large sediment bucket is required.

Most floor drain bodies are available with a flange for either anchoring the drain in the floor slab or for use as a flashing flange in upper floors and waterproofed areas. Many Smith drains are regularly furnished with a flanged body and a combination "top flashing collar" which can be used to clamp the waterproof membrane.



FORMULA TO CONVERT FREE (OPEN) AREA TO GPM

VALUES:

Q= Flow Rate in Gallons Per Minute (GPM)
Cd= Discharge Coefficient .06 (assumed)
A= Free (Open) Area of Grate in **SQUARE FEET**
g= Acceleration in Feet Per Second .32 FPS
h= Head of Water Above Grate in **FEET**

$$Q = 448.2 \times Cd \times A \times \sqrt{2gh}$$

Note: The 'A' factor which is the free (open) area of the grate in square inches must be converted to 'square feet'.

Square Inches x .00694 = Square Feet

Note: The 'h' factor which is the head of water above the grate in inches must be converted from inches to 'feet'.

Inches x .08333 = Feet

EXAMPLE:

Find the GPM for a floor drain with 12 square inches of free (open) area with a 1/2 (.5) inch head of water over the grate.

Q = GPM
A = .0833 SQ. FT. (12 SQ. Inches)
g = 32.2
h = 0.041667 Feet (1/2 [.5] Inch)

$$Q = 448.2 \times 0.6 \times .0833 \times \sqrt{2gh}$$

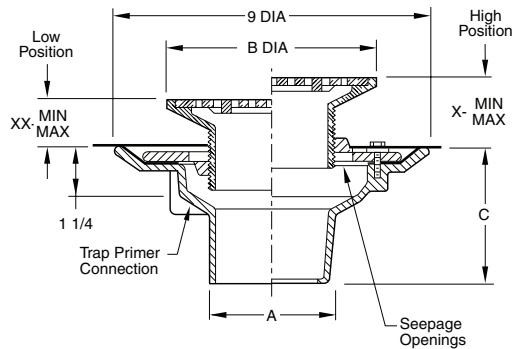
$$\sqrt{2gh} = 2 \times 32.2 \times 0.041667 \times \frac{1.6380}{\sqrt{2.6833}}$$

$$Q = 448.2 \times 0.6 \times .0833 \times 1.6380 = 36.7 \text{ GPM}$$

NOTES

FLOOR DRAINS

FIG. 2005 (-A) FLOOR DRAIN WITH ADJ. ROUND STRAINER
FIG. 2010 (-A) FLOOR DRAIN WITH ADJ. ROUND STRAINER



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-H Hinged Grate	432.00
-HP Heel Proof Grate	N/C
-P Trap Primer Conn	N/C
-U Vandal Proof Screws	86.00
-V Flapper Backwater Valve	587.00

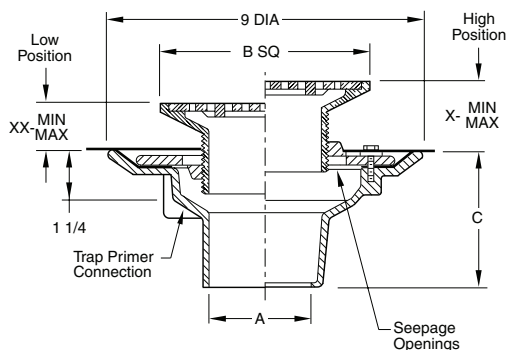
A OUTLET SIZE	B TOP SIZE	*X MIN.	*X MAX.	*XX MIN.	*XX MAX.	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05"	1 1/4"	2 1/4"	3/4"	1 5/8"	711.00	747.00	788.00	12
02, 03, 04"	06"	1 1/4"	2 1/4"	3/4"	1 5/8"	828.00	919.00	978.00	13
02, 03, 04"	07"	1 1/4"	2 1/4"	7/8"	1 7/8"	1,002.00	1,057.00	1,130.00	14
02, 03, 04"	08"	1 1/2"	2 1/2"	1"	1 7/8"	1,260.00	1,327.00	1,432.00	15
02, 03, 04"	09"	1 1/2"	2 3/8"	1"	1 7/8"	1,719.00	1,811.00	1,962.00	18
02, 03, 04"	10"	1 1/2"	2 3/8"	1"	1 7/8"	1,719.00	1,811.00	1,962.00	21

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Round Strainer Head.

• Add 3/8" to min/max dimensions for round strainers.

* Collar is reversible to obtain extreme high and low strainer positions.

FIG. 2005 (-B) FLOOR DRAIN WITH ADJ. SQUARE STRAINER
FIG. 2010 (-B) FLOOR DRAIN WITH ADJ. SQUARE STRAINER



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-H Hinged Grate	432.00
-HP Heel Proof Grate	N/C
-P Trap Primer Conn	N/C
-U Vandal Proof Screws	86.00
-V Flapper Backwater Valve	587.00

A OUTLET SIZE	B TOP SIZE	*X MIN.	*X MAX.	*XX MIN.	*XX MAX.	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05 x 05"	1 1/4"	2 1/4"	3/4"	1 5/8"	920.00	1,003.00	1,070.00	12
02, 03, 04"	06 x 06"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,064.00	1,117.00	1,203.00	13
02, 03, 04"	07 x 07"	1 1/4"	2 1/4"	7/8"	1 7/8"	1,253.00	1,341.00	1,448.00	14
02, 03, 04"	08 x 08"	1 1/2"	2 1/2"	1"	1 7/8"	1,464.00	1,623.00	1,742.00	15
02, 03, 04"	09 x 09"	1 1/2"	2 3/8"	1"	1 7/8"	1,876.00	2,053.00	2,223.00	18
02, 03, 04"	10 x 10"	1 1/2"	2 3/8"	1"	1 7/8"	2,407.00	2,581.00	2,814.00	21

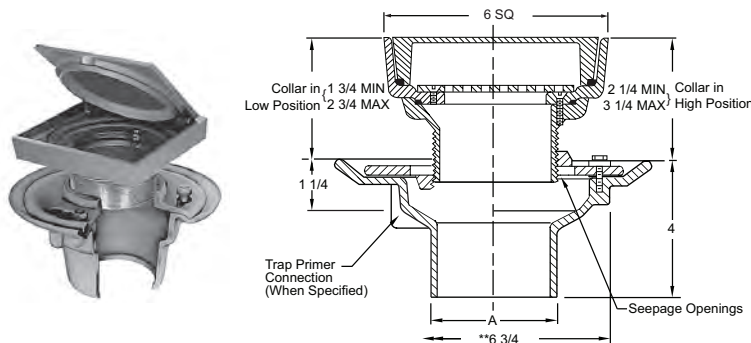
REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Square Strainer Head.

*Collar is reversible to obtain extreme high and low strainer positions.
 When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2005 (-BS) FLOOR DRAIN AND ADJ. STRAINER WITH SQUARE SOLID HINGED COVER
FIG. 2010 (-BS) FLOOR DRAIN AND ADJ. STRAINER WITH SQUARE SOLID HINGED COVER



A OUTLET SIZE	B TOP SIZE	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	06 x 06"	1,689.00	1,929.00	2,098.00	11

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Strainer with Hinged Solid Cover.

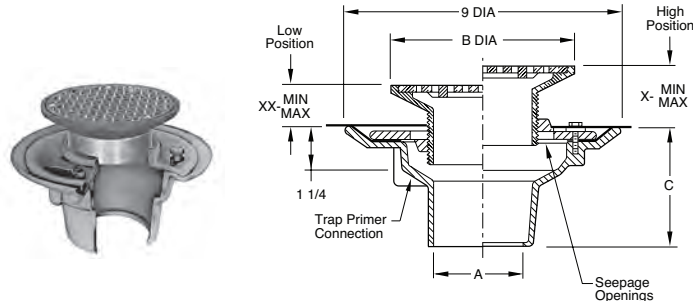
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	POA
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-GC Gasketed/Water Tight	125.00
-P Trap Primer Conn	N/C
-SEC Secured Cover	86.00
-SG Secondary Strainer Grade	96.00
-U Vandal Proof Screws	86.00

**MIN 6 3/4 hole required for core drilled application.

FIG. 2005 (-C) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND REINFORCED GRATE
FIG. 2010 (-C) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND REINFORCED GRATE



A OUTLET SIZE	B TOP SIZE	X MIN.	X MAX.	XX MIN.	XX MAX.	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	5"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,042.00	1,075.00	1,113.00	13
02, 03, 04"	6"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,151.00	1,241.00	1,298.00	15
02, 03, 04"	8"	1 1/2"	2 1/2"	1"	1 7/8"	1,577.00	1,645.00	1,736.00	17
02, 03, 04"	10"	1 1/2"	2 3/8"	1"	1 7/8"	2,037.00	2,132.00	2,285.00	19

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Strainer with Round Reinforced Grate.

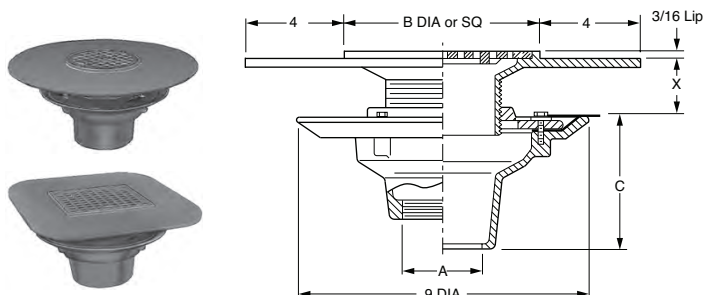
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-P Trap Primer Conn	N/C
-U Vandal Proof Screws	86.00
-V Flapper Backwater Valve	587.00

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

FIG. DX2005 (A) FLOOR OR SHOWER DRAIN AND ADJ. WIDE FLANGE STRAINER WITH ROUND GRATE
FIG. DX2010 (B) FLOOR OR SHOWER DRAIN AND ADJ. WIDE FLANGE STRAINER WITH SQUARE GRATE



A OUTLET SIZE	B STRAINER SIZE	X MIN.	X MAX.	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05"	1 1/4"	2"	2,083.00	2,167.00	2,355.00	27
02, 03, 04"	06"	1 1/4"	2"	2,083.00	2,167.00	2,355.00	29

REGULARLY FURNISHED: Duco Cast Iron Body, Adjustable Strainer as Indicated by Suffix Letter Selected with 4" Wide Flange and Secondary Flashing Flange.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

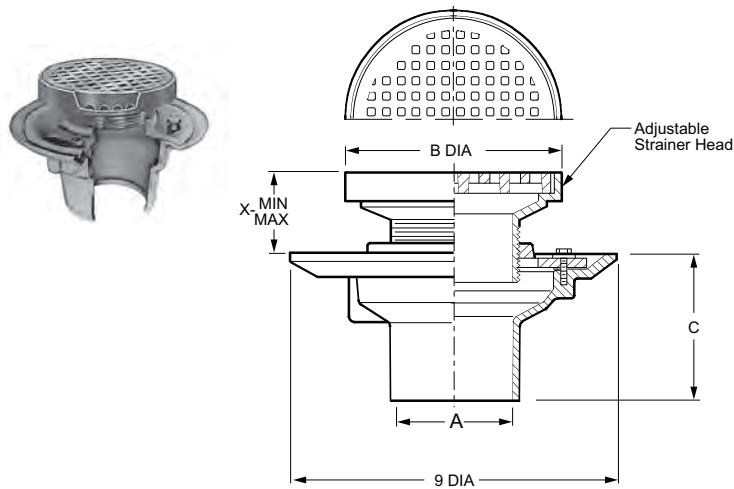
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-LWH Less Weep Holes	N/C
-P Trap Primer Conn	N/C
-SH Sec Holes in Flange	189.00
-U Vandal Proof Screws	86.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2005(-D) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND REINFORCED TRACTOR GRATE
FIG. 2010(-E) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND REINFORCED TRACTOR GRATE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

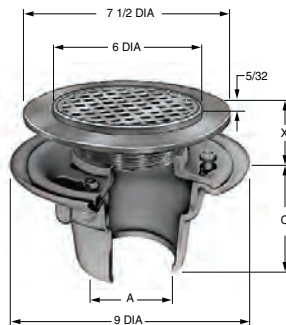
OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized CI Body	305.00
-P Trap Primer Conn	N/C
-U Vandal Proof Screws	86.00
-V Flapper Backwater Valve	587.00

A OUTLET SIZE	STRAINER SUFFIX	B TOP SIZE	X MIN.	X MAX.	CI TOP	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	D	07"	2 1/4"	3 1/4"	838.00	1,586.00	1,734.00	1,873.00	14
02, 03, 04"	E	09"	2 3/4"	3 1/2"	1,034.00	2,237.00	2,416.00	2,619.00	6

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected. Light Duty Tractor Grate.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

FIG. 2005 (-F) FLOOR DRAIN AND ADJ. TILE FLANGE STRAINER WITH ROUND GRATE
FIG. 2010 (-F) FLOOR DRAIN AND ADJ. TILE FLANGE STRAINER WITH ROUND GRATE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

A OUTLET SIZE	STRAINER SIZE	X MIN.	X MAX.	DUCO CI PB TOP	DUCO CI †NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	06"	1 1/4"	2 1/8"	1,588.00	1,739.00	1,876.00	14

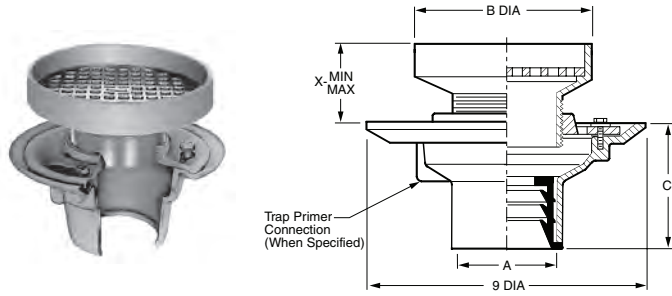
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-P Trap Primer Conn	N/C
-SH Tapped Holes in Flange	189.00
-U Vandal Proof Screws	86.00
-V Flapper Backwater Valve	587.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2005 (-F37) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND RECESSED GRATE
FIG. 2010 (-F38) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND RECESSED GRATE



A OUTLET SIZE	STRAINER SUFFIX	B TOP SIZE	X MIN.	X MAX.	CI TOP	PB TOP	+NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	F37	07"	2 5/8"	3 1/2"	834.00	1,591.00	1,739.00	1,881.00	19
02, 03, 04"	F38	09"	2 3/4"	3 1/2"	1,034.00	2,240.00	2,441.00	2,647.00	22

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Nickel Bronze Strainer Head as Indicated by Suffix Letter Selected. Flush with Floor Funnel with Anti-Splash Rim and Grate.

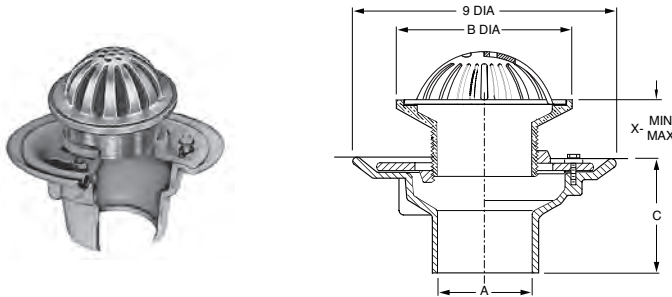
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized CI Body	305.00
-GS Galvanized Body & Strainer	
F37 (add to CI)	536.00
F38 (add to CI)	736.00
-P Trap Primer Conn	N/C

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

FIG. 2005 (-G) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND LOW DOME GRATE
FIG. 2010 (-G) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND LOW DOME GRATE



A OUTLET SIZE	B STRAINER SIZE	X MIN.	X MAX.	DUCO CI PB TOP	DUCO CI +NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05"	1 1/4"	2 1/4"	999.00	1,057.00	1,131.00	11
02, 03, 04"	06"	1 1/4"	2 1/4"	1,144.00	1,266.00	1,356.00	13
02, 03, 04"	08"	1 1/2"	2 1/2"	1,504.00	1,587.00	1,718.00	16

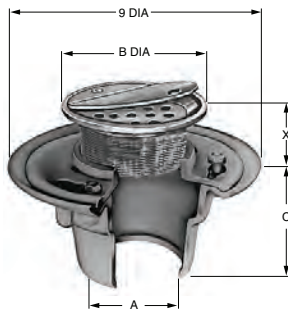
REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Low Dome Strainer Head.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-B Sediment Bucket	168.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-MS SS Mesh on Dome	365.00
-P Trap Primer Conn	N/C
-U Vandal Proof Screws	86.00
-V Flapper Type Backwater Valve	587.00

FIG. 2005 (-H) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND SOLID HINGED COVER
FIG. 2010 (-H) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND SOLID HINGED COVER



A OUTLET SIZE	B STRAINER SIZE	X MIN.	X MAX.	DUCO CI PB TOP	DUCO CI +NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05"	1 1/4"	2 1/4"	1,266.00	1,350.00	1,448.00	13
02, 03, 04"	06"	1 1/4"	2 1/4"	1,334.00	1,504.00	1,623.00	14
02, 03, 04"	07"	1 1/4"	2 1/4"	1,942.00	2,167.00	2,355.00	16
02, 03, 04"	08"	1 1/2"	2 1/2"	2,026.00	2,195.00	2,393.00	16

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

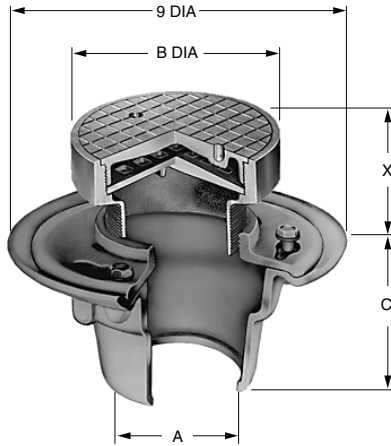
OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-BFV Ball Float Backwater Valve	587.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-P Trap Primer Conn	N/C
-U Vandal Proof Screws	86.00
-V Flapper Type Backwater Valve	587.00

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2005 (-J) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND SPANNER WRENCH COVER
FIG. 2010 (-J) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND SPANNER WRENCH COVER



A OUTLET SIZE	B STRAINER SIZE	X		DUCO CI PB TOP	DUCO CI *NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
MIN.	MAX.						
02, 03, 04"	06"	2"	3"	1,640.00	1,759.00	1,907.00	19

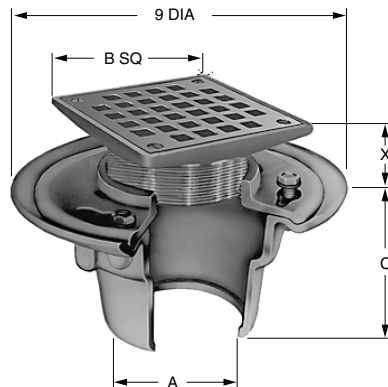
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	261.00
-ARIO	Acid Resistant Inside & Outside	261.00
-B	Sediment Bucket	168.00
-BB	Bronze Body, 02-04"	1,878.00
	05-06"	5,775.00
-BFV	Ball Float Backwater Valve	587.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	305.00
-P	Trap Primer Conn	N/C
-SC	Smooth Cover	318.00
-SW	Spanner Wrench	215.00
-V	Flapper Type Backwater Valve	587.00

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

FIG. 2005 (-K) FLOOR DRAIN AND ADJ. STRAINER WITH SQUARE REINFORCED GRATE
FIG. 2010 (-K) FLOOR DRAIN AND ADJ. STRAINER WITH SQUARE REINFORCED GRATE



A OUTLET SIZE	B STRAINER SIZE	X		DUCO CI PB TOP	DUCO CI *NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
MIN.	MAX.						
02, 03, 04"	05 x 05"	1 1/4"	2 1/4"	1,098.00	1,168.00	1,261.00	14
02, 03, 04"	06 x 06"	1 1/4"	2 1/4"	1,298.00	1,372.00	1,467.00	16
02, 03, 04"	07 x 07"	1 1/4"	2 1/4"	1,495.00	1,568.00	1,689.00	17
02, 03, 04"	08 x 08"	1 1/2"	2 1/2"	1,788.00	1,929.00	2,098.00	18

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	261.00
-ARIO	Acid Resistant Inside & Outside	261.00
-B	Sediment Bucket	168.00
-BB	Bronze Body, 02-04"	1,878.00
	05-06"	5,775.00
-BFV	Ball Float Backwater Valve	587.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	305.00
-P	Trap Primer Conn	N/C
-U	Vandal Proof Screws	86.00
-V	Flapper Type Backwater Valve	587.00

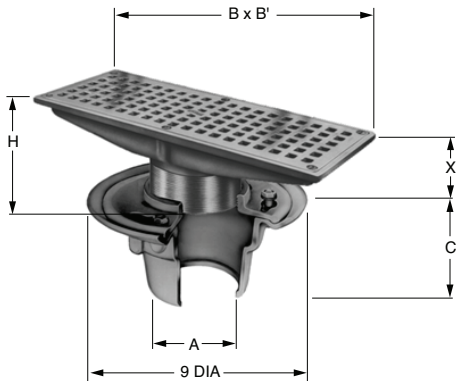
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

When ordering, specify drain body and strainer type, size and finish.
 Ex. 2005Y04 w/A05NB.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2005 (L-T) FLOOR DRAIN AND ADJ. STRAINER WITH RECTANGULAR GRATE
FIG. 2010 (L-T) FLOOR DRAIN AND ADJ. STRAINER WITH RECTANGULAR GRATE



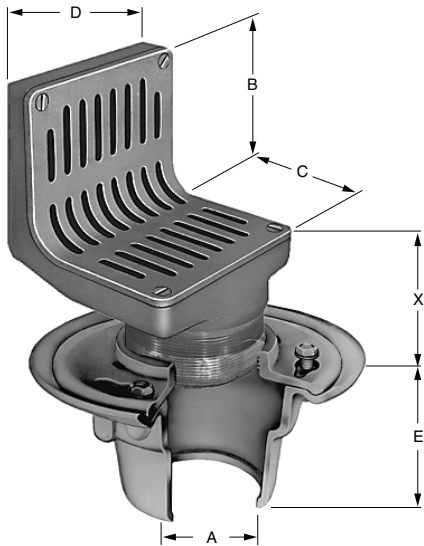
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
OPTIONS:			ADD
-ARI	Acid Resistant Inside or Outside		261.00
-ARIO	Acid Resistant Inside & Outside		261.00
-B	Sediment Bucket		168.00
-BB	Bronze Body, 02-04"		1,878.00
	05-06"		5,775.00
-BFV	Ball Float Backwater Valve		587.00
-DID	Drain Installation Device		See Fig. 2038
-G	Galvanized Body		305.00
-P	Trap Primer Conn		N/C
-U	Vandal Proof Screws		86.00
-V	Flapper Type Backwater Valve		587.00

A OUTLET SIZE	STRAINER SUFFIX	B X B STRAINER SIZE	X		H	DUCO CI PB TOP	DUCO CI NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
			MIN.	MAX.					
02, 03, 04"	L	4 1/2 X 08"	1 3/8"	2 3/8"	2 1/4"	1,525.00	1,645.00	1,783.00	17
02, 03, 04"	M	04 X 12"	1 7/8"	2 3/4"	2 1/2"	1,734.00	1,986.00	2,151.00	19
02, 03, 04"	N	05 X 09"	1 3/8"	2 3/8"	2 1/4"	1,525.00	1,645.00	1,778.00	21
02, 03, 04"	P	05 X 13"	2 1/8"	3"	3"	2,026.00	2,232.00	2,419.00	24
02, 03, 04"	R	06 X 10"	1 3/8"	2 3/8"	2 1/4"	2,026.00	2,232.00	2,419.00	26
02, 03, 04"	T	05 X 17"	2 1/4"	3 1/8"	3"	2,167.00	2,377.00	2,585.00	29

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

FIG. 2005 (-V) FLOOR DRAIN AND ADJ. STRAINER WITH ANGLE GRATE
FIG. 2010 (-W) FLOOR DRAIN AND ADJ. STRAINER WITH ANGLE GRATE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"E" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
OPTIONS:			ADD
-ARI	Acid Resistant Inside or Outside		261.00
-ARIO	Acid Resistant Inside & Outside		261.00
-B	Sediment Bucket		168.00
-BB	Bronze Body, 02-04"		1,878.00
	05-06"		5,775.00
-DID	Drain Installation Device		See Fig. 2038
-G	Galvanized Body		305.00
-P	Trap Primer Conn		N/C
-U	Vandal Proof Screws		86.00

A OUTLET SIZE	STRAINER SUFFIX	B	C	D	X		DUCO CI PB TOP	DUCO CI NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
					MIN.	MAX.				
02, 03, 04"	V	3 1/2"	3 1/2"	4 1/2"	1 5/8"	2 5/8"	2,814.00	3,046.00	3,328.00	19
02, 03, 04"	W	6 3/4"	6 3/4"	6 1/2"	1 5/8"	2 5/8"	3,515.00	3,815.00	4,157.00	28

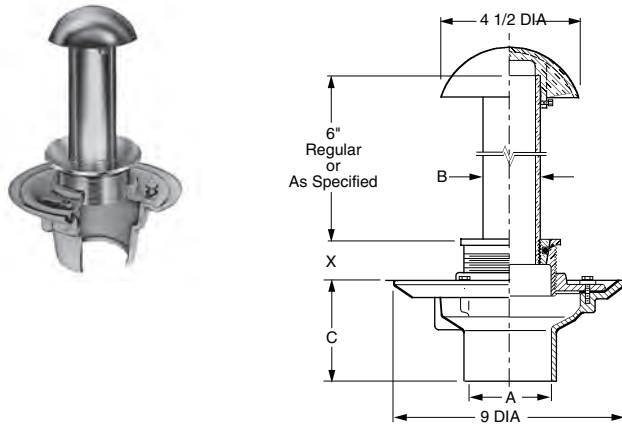
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2005 (-Y) FLOOR DRAIN AND ADJ. STRAINER WITH OVERFLOW STANDPIPE
FIG. 2010 (-Z) FLOOR DRAIN AND ADJ. STRAINER WITH OVERFLOW STANDPIPE



A OUTLET SIZE	STRAINER SUFFIX	B STANDPIPE SIZE	X MIN.	X MAX.	DUCO CI PB TOP	DUCO CI *NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	Y	2"	3/4"	2 1/8"	2,584.00	3,046.00	3,328.00	18
02, 03, 04"	Z	3"	3/4"	2 1/8"	3,524.00	3,815.00	4,157.00	24

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

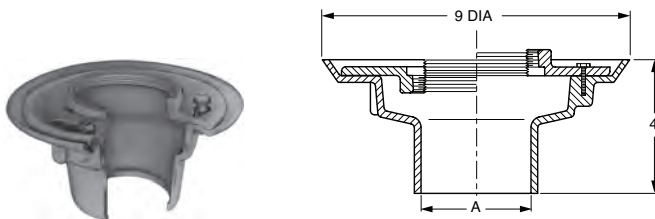
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-DID Drain Installation Device	See Fig. 2038
-G Galvanized Body	305.00
-P Trap Primer Conn	N/C

Higher Standpipe, over 6"	PB	NB	CP
Per inch Y	149.00	211.00	224.00
Per inch Z	261.00	298.00	320.00

FIG. 2005 NO-HUB OUTLET FLOOR DRAIN BODY AND COLLAR ASSEMBLY



A OUTLET SIZE	COLLAR DIA.	*DUCO CI	GALV CI (G)	APPROX. WEIGHT LBS.
02, 03, 04"	9"	298.00	603.00	9
05, 06"	9"	1,156.00	1,461.00	20

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

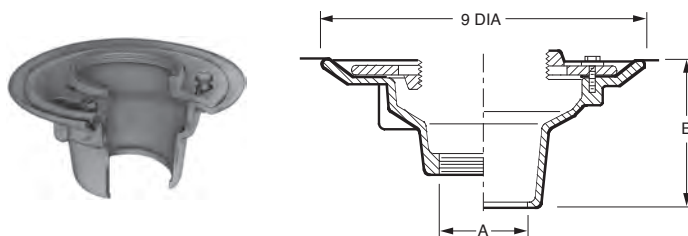
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Speedi-Set® SW	L02, L03, L04	4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	4"	N/C
No-Hub	Y02, Y03, Y04, Y05, Y06	4"	N/C

OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-DID Drain Installation Device	For Body & DID price, See Fig. 2038
-P050 1/2" Trap Primer Conn	N/C
-P075 3/4" Trap Primer Conn	N/C

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

FIG. 2010 CAULK OUTLET FLOOR DRAIN BODY AND COLLAR ASSEMBLY



A OUTLET SIZE	COLLAR DIA.	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02, 03, 04"	9"	298.00	603.00	9
05, 06"	9"	1,156.00	1,461.00	20

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	4"	N/C
Threaded	T02, T03, T04, T05, T06	3"	120.00

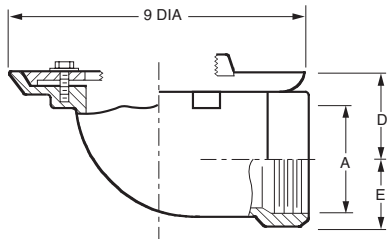
OPTIONS:	ADD
-ARI Acid Resistant Inside or Outside	261.00
-ARIO Acid Resistant Inside & Outside	261.00
-BB Bronze Body, 02-04"	1,878.00
05-06"	5,775.00
-P050 1/2" Trap Primer Conn	N/C
-P075 3/4" Trap Primer Conn	N/C

Note: For body with adjustable strainer head and 4" DIA funnel see Figure 3510-F11.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2015 SIDE OUTLET FLOOR DRAIN BODY AND COLLAR ASSEMBLY



A OUTLET SIZE	COLLAR DIA.	D	E	+DUCO CI	GALV. CI (-G)	APPROX. WEIGHT LBS.
02"	9"	2 3/4"	1 1/4"	636.00	941.00	12
03"	9"	2 3/4"	2 1/4"	636.00	941.00	12
04"	9"	3 1/4"	3 1/4"	779.00	1,084.00	13

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

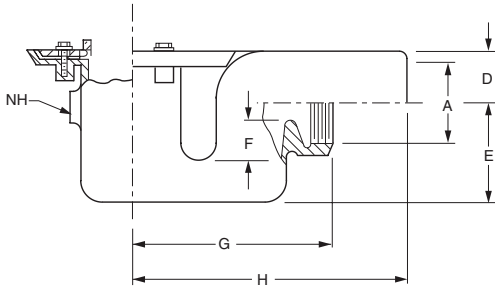
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C04	N/C
Threaded	T02, T03, T04	N/C

OPTIONS:		ADD
-P050	1/2" Trap Primer Conn	N/C
-P075	3/4" Trap Primer Conn	N/C

NOTE: For body with adjustable strainer head and 4" DIA funnel see Fig. 3520-F11, 3521-F11.

FIG. 2020 SIDE OUTLET - SHALLOW TRAP FLOOR DRAIN BODY AND COLLAR ASSEMBLY
FIG. 2021 SIDE OUTLET - SHALLOW TRAP FLOOR DRAIN BODY AND COLLAR ASSEMBLY



A OUTLET SIZE	D	E	F SEAL	G	H	+DUCO CI	GALV. CI (-G)	APPROX. WEIGHT LBS.
02"	1 3/4"	5"	2"	6 3/4"	9 1/2"	878.00	1,526.00	18
03"	2 1/4"	4 1/2"	2"	9"	12 1/4"	878.00	1,526.00	18
04"	3"	8 1/2"	2 1/2"	10"	12 3/4"	1,385.00	2,033.00	18

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

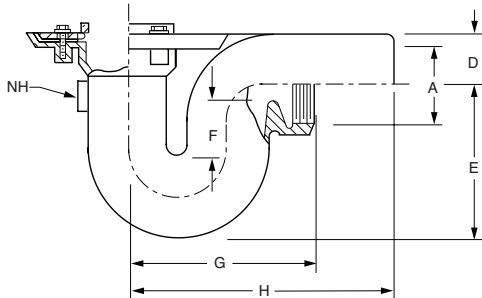
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (2021)	S02, S03, S04	N/C
Threaded (2020)	T02, T03, T04	N/C

OPTIONS:		ADD
-NH	High Aux Inlet (Specify 1 1/2 or 2")	536.00
-P050	1/2" Trap Primer Conn	255.00
-P075	3/4" Trap Primer Conn	255.00

NOTE: For body with adjustable strainer head and 4" DIA funnel see Fig. 3520-F11, 3521-F11.

FIG. 2030 SIDE OUTLET - DEEP TRAP FLOOR DRAIN BODY AND COLLAR ASSEMBLY
FIG. 2031 SIDE OUTLET - DEEP TRAP FLOOR DRAIN BODY AND COLLAR ASSEMBLY



A OUTLET SIZE	D	E	F SEAL	G	H	+DUCO CI	GALV. CI (-G)	APPROX. WEIGHT LBS.
02"	1 3/4"	5 1/4"	2"	5"	8"	1,030.00	1,678.00	18
03"	2"	7"	2 1/4"	8"	10"	1,030.00	1,678.00	18
04"	3"	8 1/2"	2 1/2"	10"	12"	1,174.00	1,822.00	18

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

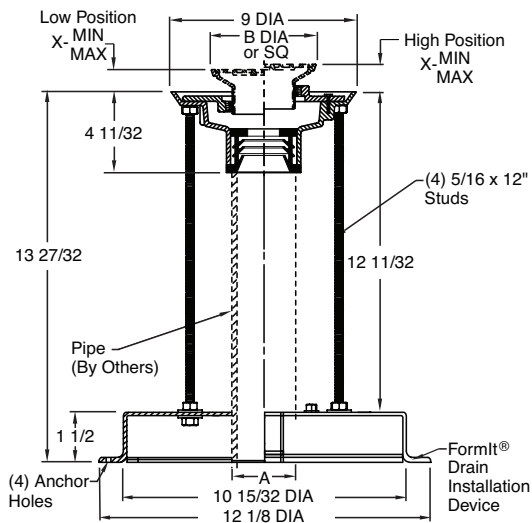
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (2031)	S02, S03, S04	N/C
Threaded (2030)	T02, T03, T04	N/C

OPTIONS:		ADD
-NH	High Aux Inlet (Specify 1 1/2 or 2")	536.00
-P050	1/2" Trap Primer Conn	255.00
-P075	3/4" Trap Primer Conn	255.00

NOTE: For body with adjustable strainer head and 4" DIA funnel see Fig. 3530-F11, 3531-F11.

*REGULARLY FURNISHED



OUTLET SIZE	**BODY W/DRAIN INSTALLATION DEVICE
02"	510.00
03"	510.00
04"	510.00

**Add price of strainer & options to price above.

Fig. 2038 Stabilizer Device cannot be sold independently. It must be purchased with body.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size		ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	N/C
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	N/C
Threaded (2010)	T02, T03, T04	3"	120.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C

OPTIONS:		ADD
-P050	1/2" Trap Primer Conn	N/C
-P075	3/4" Trap Primer Conn	N/C
For all other options, see Strainer Head Specified		

STRAINER SIZE B DIA. OR SQ.	*COLLAR IN HIGH POSITION X		*COLLAR IN LOW POSITION X		FREE AREA SQ. IN.	
	MIN.	MAX.	MIN.	MAX.	ROUND	SQUARE
05"	1 1/4"	2 1/4"	3/4"	1 5/8"	7	6.5
06"	1 1/4"	2 1/4"	3/4"	1 5/8"	9	12.5
07"	1 1/4"	2 1/4"	7/8"	1 7/8"	14	11
08"	1 1/2"	2 1/2"	1"	1 7/8"	17	14
• 09"	1 1/2"	2 3/8"	1"	1 7/8"	18	16
• 10"	1 1/2"	2 3/8"	1"	1 7/8"	23	16

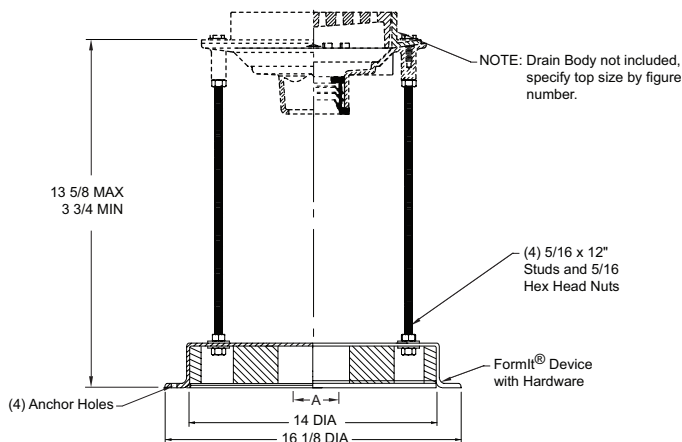
* Add 3/8" to min/max dimensions for round strainers.

*Collar is reversible to obtain extreme high and low strainer positions.

REGULARLY FURNISHED: Duco Cast Iron Body with Speedi-Set® Outlet and **Adjustable Strainer Head (as specified) with Formit® Drain Installation Device and Hardware.

For available strainer heads, refer to Pages 140 to 144. (Additional charges will apply)

FIG. 2039-DID FORMIT® DRAIN INSTALLATION DEVICE FOR 8 1/2" & 12" DIA TOP CAST IRON FLOOR DRAINS

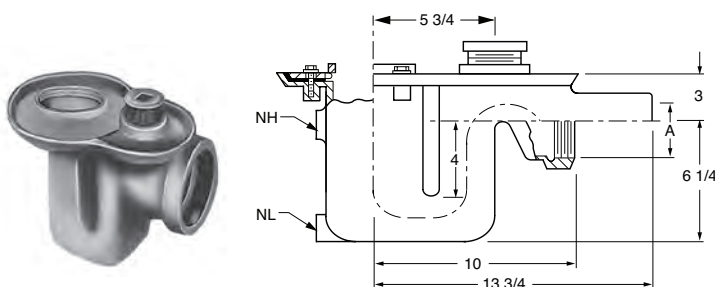


NOTE: For use with the following floor drains: 2110, 2120, 2220, 2310, 2320, 2350 and 2360. Refer to appropriate figure number for price.

For Pricing on 2039-DID only contact factory.

REGULARLY FURNISHED: Formit® Drain is Provided with Hardware. Stud Holes on 9 3/4" Bolt Circle for 8 1/2" Dia. Top Drain and 13 3/16" Bolt Circle for 12" Dia. Top Drains.

FIG. 2040 SIDE OUTLET - DEEP TRAP FLOOR DRAIN WITH FLOOR CLEANOUT BODY AND COLLAR ASSEMBLY FIG. 2041 SIDE OUTLET - DEEP TRAP FLOOR DRAIN WITH FLOOR CLEANOUT BODY AND COLLAR ASSEMBLY



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (2041)	S02, S03, S04	N/C
Threaded (2040)	T02, T03, T04	N/C

OPTIONS:		ADD
-NH	High Auxiliary Inlet (Specify 1 1/2 or 2")	536.00
-NL	Low Auxiliary Inlet (Specify 1 1/2 or 2")	536.00
-P050	1/2" Trap Primer Conn	255.00
-P075	3/4" Trap Primer Conn	255.00

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

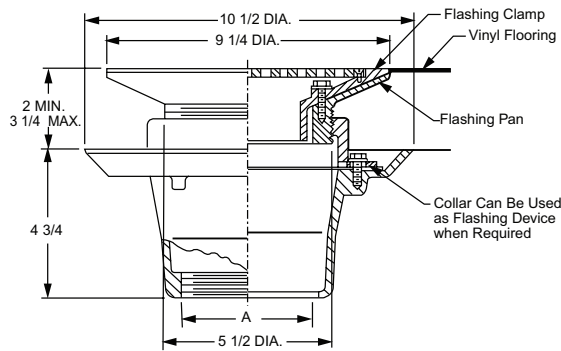
A OUTLET SIZE	*DUCO CI	GALV. CI (-G)	APPROX. WEIGHT LBS.
02, 03, 04"	1,755.00	2,573.00	12

NOTE: For body with adjustable strainer head and 4" DIA funnel see Fig. 3540-F11, 3541-F11.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2050 - ADJUSTABLE FLOOR OR SHOWER DRAIN - FLASHING STRAINER TYPE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI W/NB TOP	APPROX. WEIGHT LBS.
*02"	9 1/4"	15	3,158.00	27
03"	9 1/4"	15	3,158.00	27
04"	9 1/4"	15	3,158.00	27

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Nickel Bronze Adjustable Strainer.

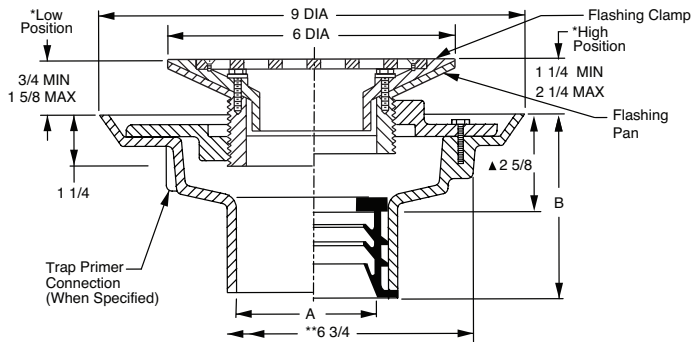
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02*, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-CP Chrome Plated Top	287.00
-G Galvanized Body	305.00
-P050 1/2" Trap Primer Conn	N/C
-P075 3/4" Trap Primer Conn	N/C
-R Sump Receiver	396.00
-U Vandal Proof Screws	89.00
	DEDUCT
-PB Polished Bronze Top	339.00

*2" Inside Caulk Outlet only available by using 3" Inside Caulk Outlet with Caulk Reducer.

FIG. 2051 - FLOOR OR SHOWER DRAIN - FLASHING STRAINER TYPE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI W/NB TOP	APPROX. WEIGHT LBS.
02"	6"	7	2,306.00	11
03"	6"	7	2,306.00	11
04"	6"	7	2,306.00	11
▲▲05"	6"	7	3,159.00	12
▲▲06"	6"	7	3,159.00	14

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Flashing Type Nickel Bronze Strainer.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Speedi-Set® SW	L02, L03, L04	4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	4"	N/C
Threaded	T03, T04	3"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	4"	N/C

OPTIONS:	ADD
-CP Chrome Plated Top	218.00
-G Galvanized Body	305.00
-P050 1/2" Trap Primer Conn	N/C
-P075 3/4" Trap Primer Conn	N/C
-R Sump Receiver	396.00
-U Vandal Proof Screws	86.00
	DEDUCT
-PB Polished Bronze Top	245.00

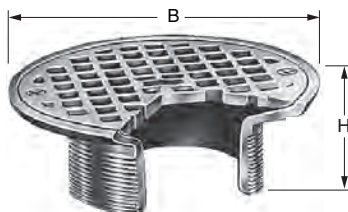
* Collar is reversible to obtain extreme high and low strainer positions.

** MIN 6 3/4" hole required for core drilled application.

▲ This dimension to internal stop of Speedi-Set® Gasket.

▲▲ NOTE: 5 & 6" outlet sizes available in No-Hub outlet only.

SUFFIX A - ADJUSTABLE STRAINER WITH ROUND GRATE



B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
05"	2"	413.00	449.00	488.00	3
06"	2"	531.00	620.00	682.00	4
07"	2 1/4"	705.00	759.00	831.00	5
08"	2 1/2"	960.00	1,030.00	1,134.00	6
09"	2 1/2"	1,419.00	1,514.00	1,664.00	9
10"	2 3/4"	1,422.00	1,514.00	1,664.00	12

REGULARLY FURNISHED: Adjustable Round Strainer with Secured Grate.

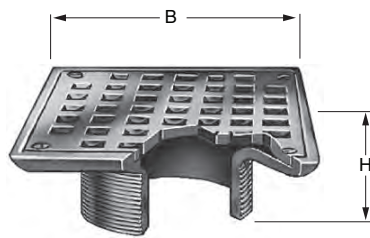
OPTIONS:	ADD
-B Sediment Bucket	168.00
-BFV Ball Float Backwater Valve	587.00
-H Hinged Grate (6, 7 and 8" only)	432.00
-HP Heel Proof Grate	N/C
-U Vandal Proof Screws	86.00
-V Flapper Backwater Valve	587.00

List price for complete strainer & grate	
A05NBSS 5" NB Strainer w/SS Top	1,868.00
-HP Heelproof	161.00
A06NBSS 6" NB Strainer w/SS Top	1,896.00
-HP Heelproof	204.00

*REGULARLY FURNISHED

FLOOR DRAINS

SUFFIX B - ADJUSTABLE STRAINER WITH SQUARE GRATE



B TOP SIZE	H	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
05 x 05"	2"	620.00	706.00	772.00	2
06 x 06"	2"	765.00	818.00	906.00	3
07 x 07"	2 1/4"	957.00	1,043.00	1,148.00	5
08 x 08"	2 1/2"	1,169.00	1,324.00	1,445.00	7
09 x 09"	2 1/4"	1,576.00	1,755.00	1,923.00	8
10 x 10"	2 1/4"	2,109.00	2,283.00	2,516.00	12

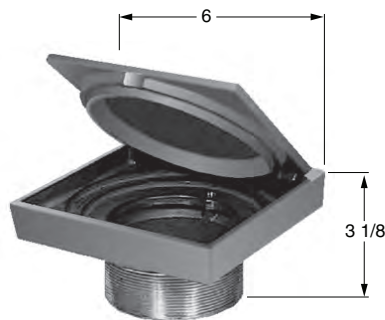
OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-H	Hinged Grate	429.00
-HP	Heelproof Grate	N/C
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

List price for complete strainer & grate

B05NBSS	5" NB Strainer w/SS Top	2,109.00
-HP	Heelproof	208.00
B06NBSS	6" NB Strainer w/SS Top	2,196.00
-HP	Heelproof	212.00

REGULARLY FURNISHED: Adjustable Square Strainer with Secured Grate.

SUFFIX BS - ADJUSTABLE STRAINER WITH SQUARE HINGED SOLID COVER

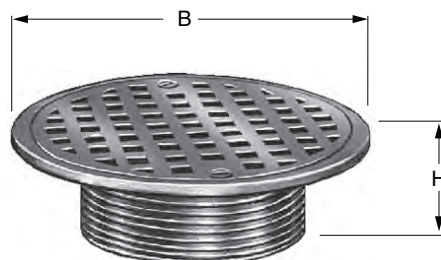


TOP SIZE	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
06 x 06"	1,388.00	1,631.00	1,797.00	4

OPTIONS:		ADD
-B	Sediment Bucket	POA
-GC	Gasketed Water Tight	125.00
-SEC	Secured Cover	86.00
-SG	Secondary Strainer Grate	96.00
-U	Vandal Proof Screws	86.00

REGULARLY FURNISHED: Adjustable Square Strainer with Solid Hinged Cover.

SUFFIX C - ADJUSTABLE STRAINER WITH ROUND REINFORCED GRATE



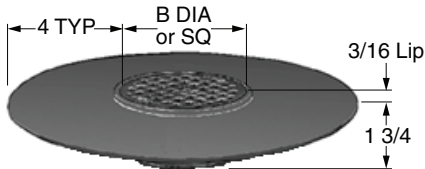
OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

B TOP SIZE	H	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
05"	2"	743.00	777.00	813.00	4
06"	2"	854.00	943.00	1,000.00	6
08"	2 1/2"	1,279.00	1,346.00	1,439.00	8
10"	2 3/4"	1,741.00	1,834.00	1,987.00	10

REGULARLY FURNISHED: Adjustable Round Strainer with Reinforced Secured Grate.

FLOOR DRAINS

SUFFIX DXA - ADJUSTABLE WIDE FLANGE STRAINER WITH ROUND GRATE
SUFFIX DXB - ADJUSTABLE WIDE FLANGE STRAINER WITH SQUARE GRATE

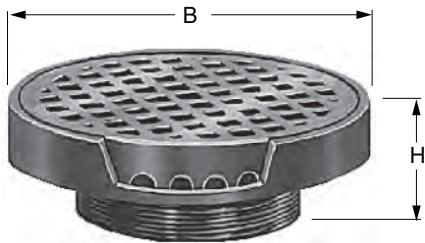


REGULARLY FURNISHED: Adjustable Wide Flange Strainer with Round (A) or Square (B) Secured Grate.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-LWH	Less Weep Holes (Specify Reversible Collar Less Weep Holes)	N/C
-SH	Securing Holes in Flange	189.00
-U	Vandal Proof Screws	86.00

B TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
05"	1,785.00	1,869.00	2,057.00	18
06"	1,785.00	1,869.00	2,057.00	20

SUFFIX D, E - ADJUSTABLE STRAINER WITH ROUND REINFORCED TRACTOR GRATE

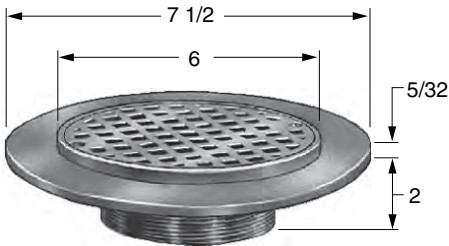


REGULARLY FURNISHED: Adjustable Strainer with Round Reinforced Tractor Grate.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

STRAINER SUFFIX	B TOP SIZE	H	†DUCO CI	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
D	07"	3 1/4"	540.00	1,289.00	1,437.00	1,576.00	10
E	09"	3 1/2"	736.00	1,943.00	2,119.00	2,323.00	13

SUFFIX F - ADJUSTABLE TILE FLANGE STRAINER WITH ROUND GRATE

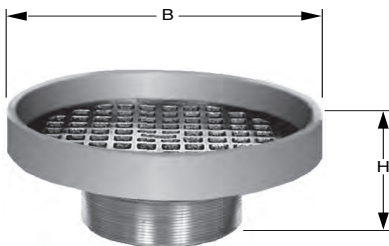


REGULARLY FURNISHED: Adjustable Tile Flange Strainer with Round Secured Grate.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-SH	Tapped Holes in Flange	189.00
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
06"	1,290.00	1,441.00	1,584.00	5

SUFFIX F37, F38 - ADJUSTABLE STRAINER WITH ROUND RECESSED GRATE



REGULARLY FURNISHED: Adjustable Round Strainer with Anti-Flood Rim and Grate.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-G	Galvanized, F37 (add to CI)	218.00
-G	Galvanized, F38 (add to CI)	512.00
-U	Vandal Proof Screws	86.00

STRAINER SUFFIX	B TOP SIZE	H	†DUCO CI	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
F37	07"	3 1/4"	536.00	1,295.00	1,439.00	1,584.00	10
F38	09"	3 1/2"	736.00	1,943.00	2,141.00	2,347.00	13

FLOOR DRAINS

SUFFIX G - ADJUSTABLE STRAINER WITH ROUND LOW DOME GRATE

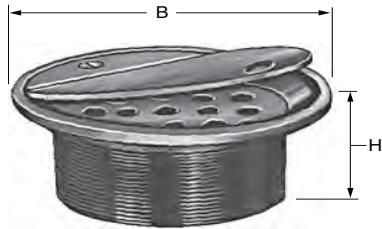


REGULARLY FURNISHED: Adjustable Round Strainer with Secured Dome Grate.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-MS	SS Mesh on Dome	365.00
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

B TOP SIZE	H	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
05"	2"	697.00	759.00	831.00	3
06"	2"	847.00	968.00	1,057.00	4
08"	2 1/2"	1,200.00	1,289.00	1,415.00	7

SUFFIX H - ADJUSTABLE STRAINER WITH ROUND SOLID HINGED COVER

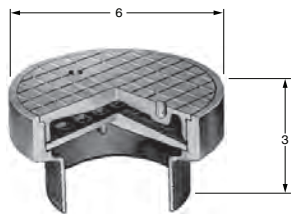


REGULARLY FURNISHED: Adjustable Round Strainer with Hinged Solid Cover and Secondary Strainer.

OPTIONS:		ADD
-BFV	Ball Float Backwater Valve	587.00
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

B TOP SIZE	H	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
05"	2"	966.00	1,053.00	1,148.00	4
06"	2"	1,037.00	1,206.00	1,327.00	5
07"	2 1/4"	1,641.00	1,869.00	2,058.00	6
08"	2 1/2"	1,728.00	1,896.00	2,094.00	7

SUFFIX J - ADJUSTABLE STRAINER WITH ROUND SPANNER WRENCH COVER

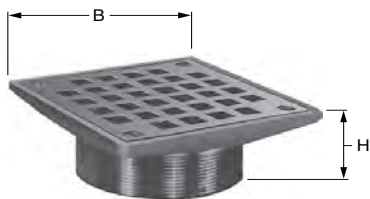


REGULARLY FURNISHED: Adjustable Round Strainer with Spanner Wrench Cover and Secondary Strainer.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-SC	Smooth Cover	318.00
-SW	Spanner Wrench	215.00
-V	Flapper Backwater Valve	587.00

TOP SIZE	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
06"	1,342.00	1,461.00	1,610.00	6

SUFFIX K - ADJUSTABLE STRAINER WITH SQUARE REINFORCED GRATE

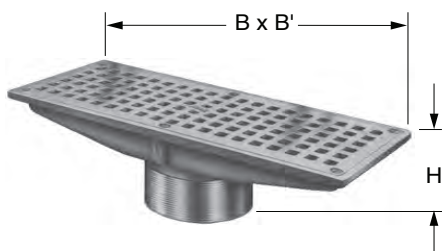


REGULARLY FURNISHED: Adjustable Square Strainer with Reinforced Secured Grate

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-U	Vandal Proof Screws	86.00
-V	Flapper Backwater Valve	587.00

B TOP SIZE	H	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
05 x 05"	2"	799.00	870.00	963.00	5
06 x 06"	2"	1,000.00	1,075.00	1,170.00	7
07 x 07"	2 1/4"	1,213.00	1,269.00	1,389.00	8
08 x 08"	2 1/2"	1,491.00	1,631.00	1,797.00	9

SUFFIX L, M, N, P, R, T - ADJUSTABLE STRAINER WITH RECTANGULAR GRATE



REGULARLY FURNISHED: Adjustable Rectangular Strainer with Secured Grate.

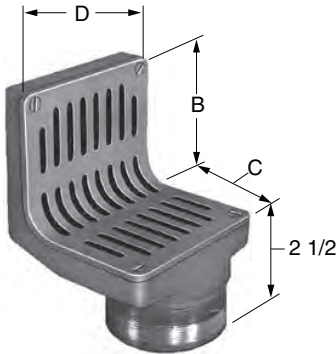
OPTIONS:		ADD
-B	Sediment Bucket	168.00
-U	Vandal Proof Screws	86.00

STRAINER SUFFIX	B X B TOP SIZE	H	PB TOP	*NB TOP	CP TOP	APPROX. WEIGHT LBS.
L	4 1/2 x 8"	2 1/4"	1,227.00	1,346.00	1,477.00	8
M	4 x 12"	2 1/2"	1,438.00	1,687.00	1,854.00	10
N	5 x 9"	2 1/4"	1,227.00	1,346.00	1,477.00	12
P	5 x 13"	3"	1,723.00	1,934.00	2,123.00	15
R	6 x 10"	2 1/4"	1,723.00	1,934.00	2,123.00	17
T	5 x 17"	3"	1,880.00	2,079.00	2,287.00	20

*REGULARLY FURNISHED

FLOOR DRAINS

SUFFIX V, W - ADJUSTABLE STRAINER WITH ANGLE GRATE

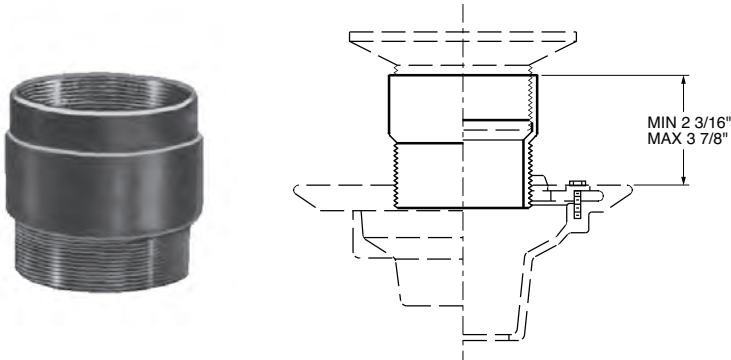


OPTIONS:		ADD
-U	Vandal Proof Top	86.00

STRAINER SUFFIX	TOP SIZE			PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
	B	C	D				
V	3 1/2"	3 1/2"	4 1/2"	2,516.00	2,748.00	3,035.00	10
W	6 3/4"	6 3/4"	6 1/2"	3,226.00	3,517.00	3,860.00	19

REGULARLY FURNISHED: Adjustable Angle Strainer with Secured Grate.

SUFFIX X - ADJUSTABLE STRAINER EXTENSION ADAPTOR

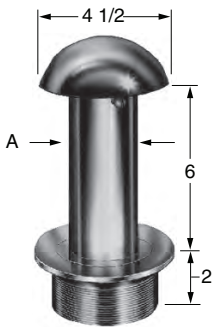


†DUCO CI (2010X)	GALV CI (2010XG)	CAST BRONZE (2010XCB)	APPROX. WEIGHT LBS.
215.00	475.00	791.00	5

REGULARLY FURNISHED: Duco Cast Iron Adjustable Extension Adaptor.

NOTE: Extensions can be stacked for increased maximum adjustment.

SUFFIX Y, Z - ADJUSTABLE OVERFLOW STRAINER WITH STANDPIPE

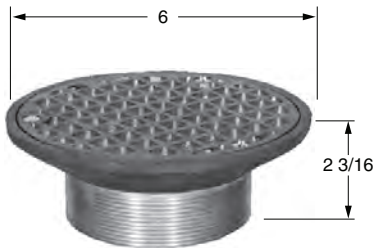


OPTIONS:	ADD		
	PB	NB	CP
-Higher Standpipe, over 6"			
Suffix Y, per inch	149.00	211.00	224.00
Suffix Z, per inch	261.00	298.00	320.00

STRAINER SUFFIX	STANDPIPE		PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
	A DIA.	HEIGHT				
Y	2"	6"	2,286.00	2,748.00	3,035.00	9
Z	3"	6"	3,226.00	3,517.00	3,860.00	15

REGULARLY FURNISHED: Adjustable Overflow Strainer with Standpipe and Dome.

SUFFIX -69 - HEAVY DUTY ADJUSTABLE STRAINER

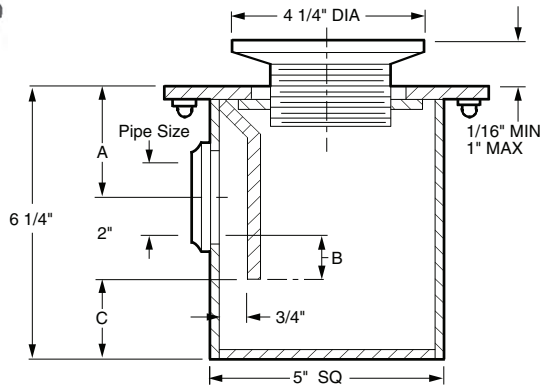


REGULARLY FURNISHED: Adjustable Round Strainer with Heavy Duty Grate.

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-U	Vandal Proof Grate	86.00
-V	Flapper Type Backwater Valve	587.00

TOP SIZE	RB TOP	PB TOP	†NB TOP	APPROX. WEIGHT LBS.
06"	993.00	1,067.00	1,157.00	5

*REGULARLY FURNISHED

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T0150, T02, T03	POA

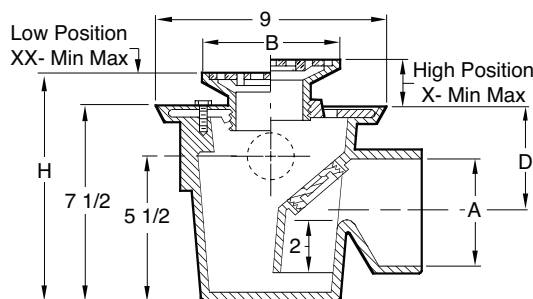
OUTLET SIZE	A	B (TRAP SEAL)	C	*PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
0150"	2 1/2"	1 1/4"	1 3/4"	POA	POA	POA	25
02"	2 1/2"	1"	1 3/4"	POA	POA	POA	25
03"	3"	1/2"	1 1/4"	POA	POA	POA	25

REGULARLY FURNISHED: Galvanized Fabricated Steel Body, Flanged Deck Top, Vandal Proof Polished Bronze Adjustable Strainer Head, Integral Trap and Threaded Outlet.

FIG. 2095 MULTI-INLET ADJUSTABLE FLOOR DRAIN WITH TRAP



Photo shown w/Suffix A Strainer Head

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:	ADD
-G Galvanized CI	582.00
-N Auxiliary Inlet (each)	298.00
-U Vandal Proof Grate	86.00

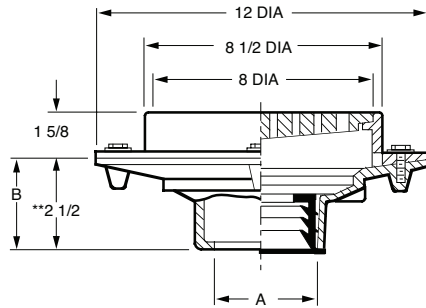
Drain Body Only	Duco CI
02, 03"	1,312.00
04"	1,453.00

A OUTLET SIZE	B STRAINER SIZE	D	COLLAR IN HIGH POSITION X		COLLAR IN LOW POSITION XX		FREE AREA SQ. IN.	H MIN.	BODY WITH PB TOP	BODY WITH NB TOP	BODY WITH CP TOP	APPROX WEIGHT LBS.
			MIN.	MAX.	MIN.	MAX.						
02"	5" DIA.	3 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	7	8 1/4"	1,728.00	1,761.00	1,811.00	35
03"	5" DIA.	3 11/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	7	8 1/4"	1,728.00	1,761.00	1,811.00	35
04"	5" DIA.	4 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	7	8 1/4"	1,869.00	1,902.00	1,953.00	35
02"	6" DIA.	3 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	9	8 1/4"	1,846.00	1,933.00	1,992.00	36
03"	6" DIA.	3 11/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	9	8 1/4"	1,846.00	1,933.00	1,992.00	36
04"	6" DIA.	4 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	9	8 1/4"	1,987.00	2,074.00	2,133.00	36
02"	5" SQ.	3 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	6.5	8 1/4"	1,933.00	2,017.00	2,085.00	35
03"	5" SQ.	3 11/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	6.5	8 1/4"	1,933.00	2,017.00	2,085.00	35
04"	5" SQ.	4 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	6.5	8 1/4"	2,074.00	2,158.00	2,225.00	35
02"	6" SQ.	3 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	12.5	8 1/4"	2,078.00	2,131.00	2,215.00	36
03"	6" SQ.	3 11/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	12.5	8 1/4"	2,078.00	2,131.00	2,215.00	36
04"	6" SQ.	4 3/16"	1 1/4"	2 1/4"	3/4"	1 5/8"	12.5	8 1/4"	2,219.00	2,272.00	2,356.00	36

REGULARLY FURNISHED: Duco Cast Iron Body with Integral Trap and 1" NPT Plug and Flashing Collar and Adjustable Strainer Head as Indicated by Suffix Letter Selected.

FLOOR DRAINS

FIG. 2110 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP



**This dimension to internal stop of Speedi-Set Gasket

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	14.25	806.00	1,489.00	1,647.00	24
05, 06"	8 1/2"	14.25	1,022.00	1,705.00	1,863.00	30

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Bar Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

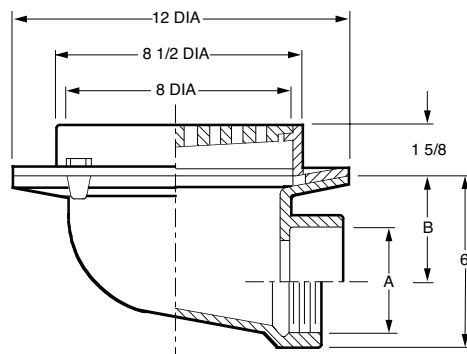
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04, T05	2"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	3 3/4"	N/C

OPTIONS:		ADD
-B	Sediment Bucket	215.00
-BG	Galv Sediment Bucket	306.00
-D	Dome Grate, CI	125.00
-DID*	Drain Installation Device	321.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-FBS	Alum Flat Bottom Strainer	106.00
-G	Galvanized CI	661.00
-H	Hinged Grate	396.00
-M	Ductile Iron Grate	329.00
-P	Trap Primer Conn***	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00
-XP	Closure Plug, 02, 03"	615.00
	04"	1,026.00
	05, 06"	N/A

*Requires body modifications. Must be shipped complete w/drain from the factory.

***Not available on 2110T Threaded Option

FIG. 2115 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	14.25	4 1/4"	1,461.00	2,144.00	2,302.00	33
03"	8 1/2"	14.25	3 3/4"	1,461.00	2,144.00	2,302.00	33
04"	8 1/2"	14.25	3 1/4"	1,461.00	2,144.00	2,302.00	33

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Bar Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

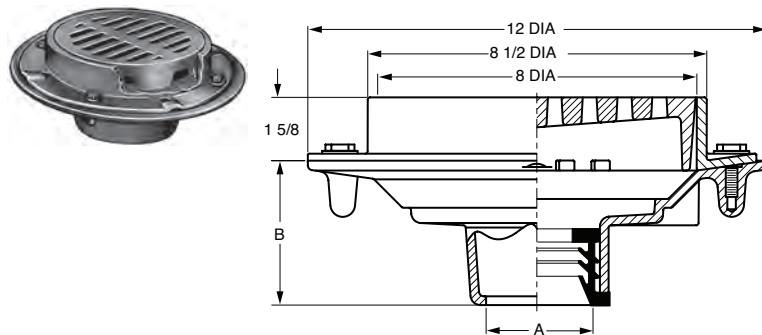
Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6"	N/C
Threaded	T02, T03, T04	6"	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-B	Sediment Bucket	215.00
-BG	Galv Sediment Bucket	306.00
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-G	Galvanized CI	661.00
-H	Hinged Grate	396.00
-M	Ductile Iron Grate	329.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2120 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP W/ TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	13	1,055.00	1,738.00	1,923.00	21

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate.

For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

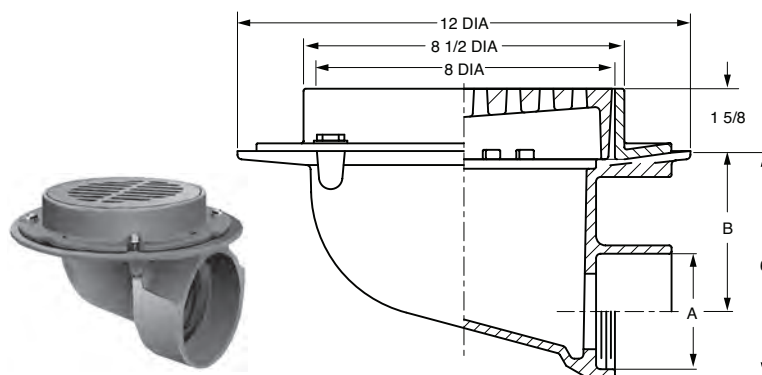
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	120.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
No-Hub	Y06	3 3/4"	211.00

OPTIONS:	ADD
-B Sediment Bucket	215.00
-BG Galv Sediment Bucket	306.00
-DID* Drain Installation Device	321.00
-FBS Alum Flat Bottom Strainer	106.00
-G Galvanized CI	661.00
-M Ductile Iron Grate	332.00
-P Trap Primer Conn**	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Grate	228.00
-XP Closure Plug, 02, 03"	615.00
04"	1,026.00

*Requires body modifications. Must be shipped complete w/drain from the factory.

**Not available on 2120T Threaded Option.

FIG. 2125 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP W/TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	13	4 1/4"	1,711.00	2,394.00	2,578.00	21
03"	8 1/2"	13	3 3/4"	1,711.00	2,394.00	2,578.00	21
04"	8 1/2"	13	3 1/4"	1,711.00	2,394.00	2,578.00	21

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate.

For Heavy Duty: Specify Ductile Iron Grate -M

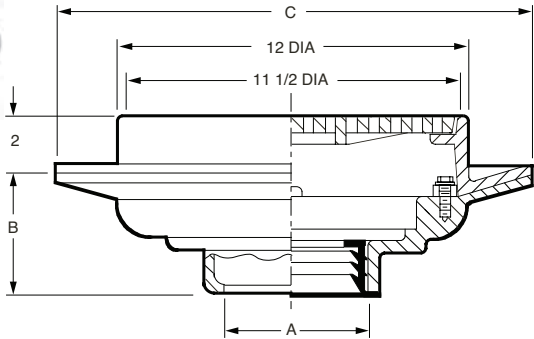
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Threaded	T02, T03, T04, T05, T06	N/C
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-B Sediment Bucket	215.00
-BG Galv Sediment Bucket	306.00
-G Galvanized CI	661.00
-M Ductile Iron Grate	332.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Grate	228.00

FLOOR DRAINS

FIG. 2130 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP



*A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	28.5	16"	1,984.00	2,996.00	3,156.00	45
05, 06"	12"	28.5	16"	1,984.00	2,996.00	3,156.00	45

*Priced for Caulk Outlet. See Outlet Types for variations.

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Slotted ADA Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	3 3/4"	N/C
Speedi-Set® SW	Not Available		Specify Fig. 2131
Speedi-Set® XH	Not Available		Specify Fig. 2131
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-B Sediment Bucket (Caulk & Threaded)	396.00
-D Dome Grate, CI	215.00
-DID Drain Installation Device	556.00
-DNB Dome Grate, add to CI	1,932.00
-DPB Dome Grate, add to CI	1,658.00
-FBSCI Flat Bottom Strainer, CI	92.00
-FP Frost Proof Bucket	572.00
-G Galvanized CI	1,134.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	407.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

NOTE: Trap Primer not available, specify 2131.

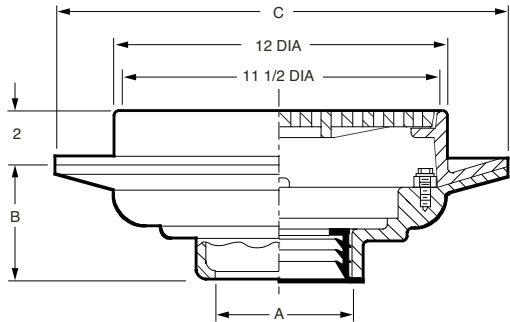
FIG. 2131 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-B Sediment Bucket	396.00
-D Dome Grate, CI	215.00
-DID Drain Installation Device	556.00
-DNB Dome Grate, add to CI	1,932.00
-DPB Dome Grate, add to CI	1,658.00
-FBSCI Flat Bottom Strainer, CI	92.00
-FP Frost Proof Bucket	572.00
-G Galvanized CI	1,134.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	407.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

2131
Same as
2130 but
with deep
body



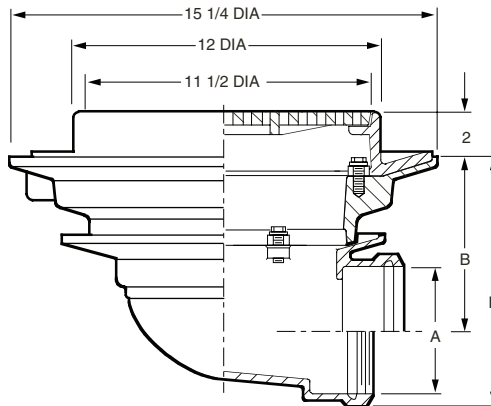
A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	28.5	15 1/4"	1,984.00	2,996.00	3,156.00	55
05, 06"	12"	28.5	15 1/4"	1,984.00	2,996.00	3,156.00	55

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Slotted ADA Grate.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2135 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	28.5	6 7/8"	2,654.00	3,666.00	3,826.00	51
03"	12"	28.5	6 3/8"	2,654.00	3,666.00	3,826.00	51
04"	12"	28.5	5 7/8"	2,654.00	3,666.00	3,826.00	51
05"	12"	28.5	5"	2,654.00	3,666.00	3,826.00	51
06"	12"	28.5	4 1/2"	2,654.00	3,666.00	3,826.00	51

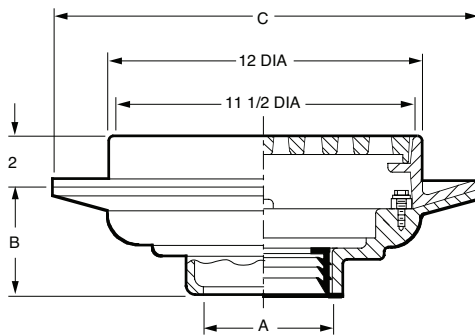
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Slotted ADA Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-ARI	ARC Inside	1,001.00
-ARIO	ARC In and Out	1,327.00
-B	Sediment Bucket	396.00
-D	Dome Grate, CI	215.00
-DNB	Dome Grate, add to CI	1,932.00
-DPB	Dome Grate, add to CI	1,658.00
-G	Galvanized CI	1,134.00
-H	Hinged Grate	396.00
-M	Ductile Iron Grate	407.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC	Solid Scoriated Cover	906.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

FIG. 2140 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	**15 1/4"	2,133.00	3,145.00	3,304.00	45
05, 06"	12"	29	15 1/4"	2,133.00	3,145.00	3,304.00	47

Priced for Caulk Outlet. See Outlet Types for variations.

**Dimension is 16 for Caulk Outlet

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate.

For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	3 3/4"	N/C
Speedi-Set® SW	Not Available	Specify Fig. 2141	
Speedi-Set® XH	Not Available	Specify Fig. 2141	
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,001.00
-ARIO	ARC In and Out	1,327.00
-B	Sediment Bucket	396.00
-DID*	Drain Installation Device (For Caulk Outlet Only)	321.00
-DID*	Drain Installation Device (For No-Hub & Thrd Outlets)	556.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-G	Galvanized CI	1,134.00
-M	Ductile Iron Grate	407.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC	Solid Scoriated Cover	906.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

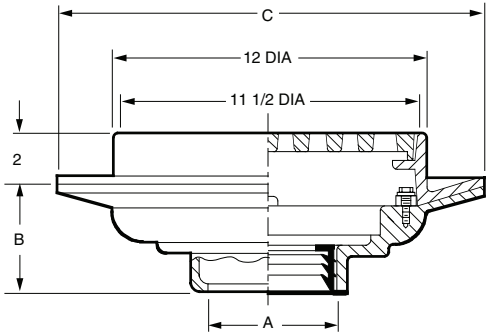
*Requires body modifications. Must be shipped complete from the factory.

Note: Trap Primer (-P) cannot be used when Caulk Outlet is specified. Please specify Fig. 2141.

*REGULARLY FURNISHED



2141
Same as
2140
with deep
body



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	28.5	15 1/4"	2,133.00	3,145.00	3,304.00	90
05, 06"	12"	28.5	15 1/4"	2,133.00	3,145.00	3,304.00	93

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Medium Duty Tractor Grate.

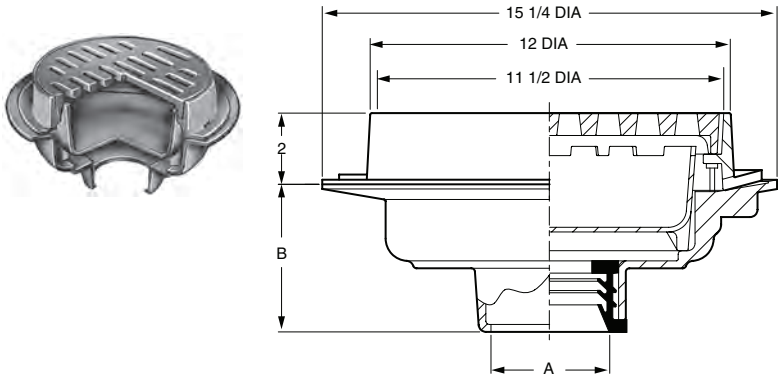
For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,001.00
-ARIO	ARC In and Out	1,327.00
-B	Sediment Bucket	396.00
-DID*	Drain Installation Device	556.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-FP	Bucket w/Seepage Holes	572.00
-G	Galvanized CI	1,134.00
-M	Ductile Iron Grate	407.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC	Solid Scoriated Cover	906.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

FIG. 2142 MEDIUM DUTY FLOOR DRAIN WITH 12" TOP W/ROUND TRACTOR GRATE AND SOLID FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	2,674.00	3,686.00	3,845.00	60
05, 06"	12"	29	2,674.00	3,686.00	3,845.00	62

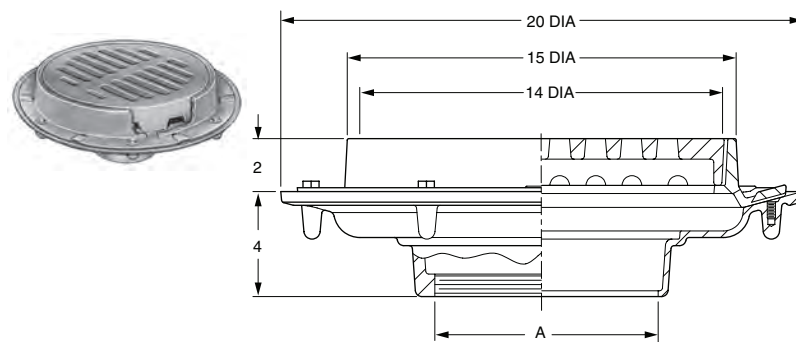
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate and Solid Free Standing Sediment Bucket.

For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,324.00
-ARIO	ARC In and Out	1,742.00
-DID	Drain Installation Device	556.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-FP	Seepage Holes in Bucket	180.00
-G	Galvanized CI	1,507.00
-M	Ductile Iron Grate	407.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC	Solid Scoriated Cover	906.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04, 05"	15"	45	4,247.00	5,935.00	6,293.00	71
06, 08"	15"	45	4,247.00	5,935.00	6,293.00	73

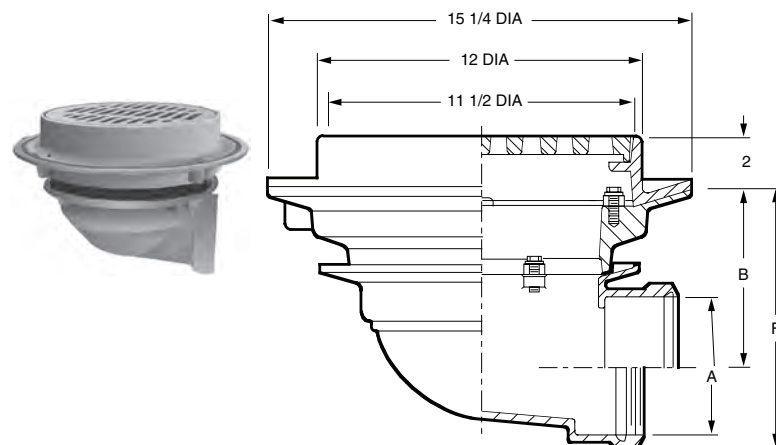
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C03, C04, C05, C06, C08	4"	N/C
Threaded	T03, T04, T05, T06, T08	4"	120.00
No-Hub	See Fig. 2646Y for list add to THREADED body price		

OPTIONS:		ADD
-D	Dome Grate, CI	626.00
-FBS	Alum Flat Bottom Strainer	153.00
-FBSCI	Flat Bottom Strainer, CI	149.00
-G	Galv CI Body	1,640.00
-HC4	4" High Collar	706.00
-M	Ductile Iron Grate	1,026.00
-S	Square Top (Add for CI only. For NB or PB, see below)	736.00
-SNB	Square Top, add to CI	3,069.00
-SPB	Square Top, add to CI	2,654.00
-U	Vandal Proof Grate	228.00

FIG. 2145 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	29	6 7/8"	2,805.00	3,817.00	3,977.00	51
03"	12"	29	6 3/8"	2,805.00	3,817.00	3,977.00	51
04"	12"	29	5 7/8"	2,805.00	3,817.00	3,977.00	51
05"	12"	29	5"	2,805.00	3,817.00	3,977.00	53
06"	12"	29	4 1/2"	2,805.00	3,817.00	3,977.00	53

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate.

For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

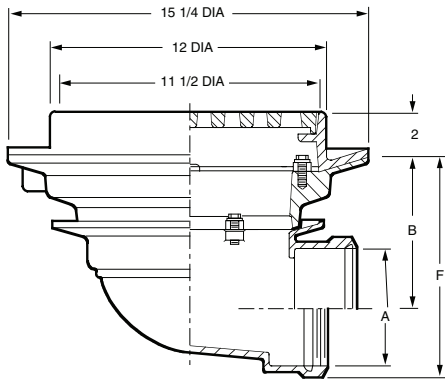
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-ARI	ARC Inside	1,001.00
-ARIO	ARC In and Out	1,327.00
-B	Sediment Bucket	396.00
-G	Galvanized CI	1,134.00
-M	Ductile Iron Grate	407.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC	Solid Scoriated Cover	906.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2147 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE AND SOLID FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	29	6 7/8"	3,352.00	4,364.00	4,523.00	70
03"	12"	29	6 3/8"	3,352.00	4,364.00	4,523.00	70
04"	12"	29	5 7/8"	3,352.00	4,364.00	4,523.00	70
05"	12"	29	5"	3,352.00	4,364.00	4,523.00	72
06"	12"	29	4 1/2"	3,352.00	4,364.00	4,523.00	72

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing
Collar with Medium Duty Cast Iron Tractor Grate and Solid Free Standing
Sediment Bucket.

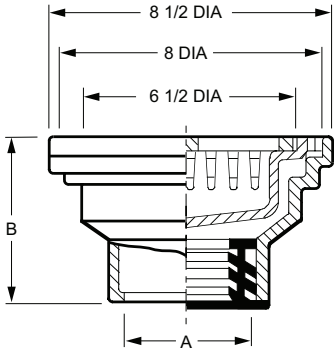
For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06		
See Fig. 2646Y for list add to THREADED body price			

OPTIONS:	ADD
-ARI ARC Inside	1,324.00
-ARIO ARC In and Out	1,742.00
-FP Seepage Holes in Bucket	180.00
-G Galvanized CI	1,507.00
-M Ductile Iron Grate	407.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FIG. 2210 LIGHT DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP AND "SAFE-SET®" SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	9.25	636.00	1,318.00	1,476.00	14

REGULARLY FURNISHED: Duco Cast Iron Body with Cast Iron
Grate and Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

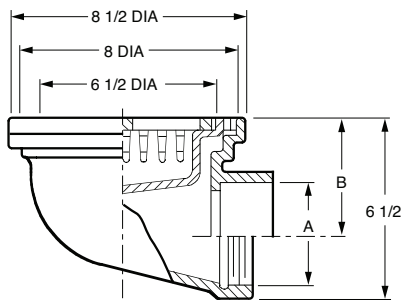
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 1/2"	120.00
No-Hub	Y02, Y03, Y04	5"	N/C

OPTIONS:	ADD
-ARI ARC Inside	583.00
-ARIO ARC In and Out	777.00
-D Dome Grate, CI	125.00
-DNB Dome Grate, add to CI	1,421.00
-DPB Dome Grate, add to CI	1,130.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	661.00
-H Hinged Grate	396.00
-MBG Ductile Iron Bucket & Grate	777.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Grate	228.00
-XP Closure Plug, 02, 03" 04"	615.00 1,026.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2215 LIGHT DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP AND "SAFE-SET" SEDIMENT BUCKET



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

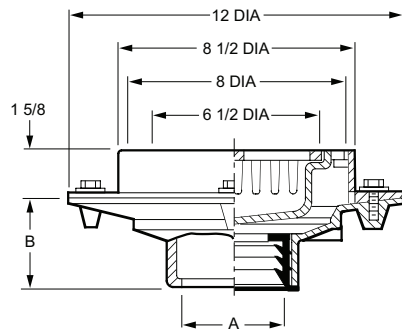
Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6 1/2"	N/C
Threaded	T02, T03, T04	6 1/2"	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-G	Galvanized CI	661.00
-H	Hinged Grate	396.00
-MBG	Ductile Iron Bucket & Grate	777.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	9.25	4 3/4"	1,313.00	1,995.00	2,154.00	16
03"	8 1/2"	9.25	4 1/4"	1,313.00	1,995.00	2,154.00	16
04"	8 1/2"	9.25	3 3/4"	1,313.00	1,995.00	2,154.00	16

REGULARLY FURNISHED: Duco Cast Iron Body with Cast Iron Grate and Sediment Bucket.

FIG. 2220 LIGHT DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP AND "SAFE-SET" SEDIMENT BUCKET WITH FLANGE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	120.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
No-Hub	Y06	3 3/4"	211.00

OPTIONS:		ADD
-D	Dome Grate, CI	125.00
-DID*	Drain Installation Device	321.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-G	Galvanized CI	732.00
-H**	Hinged Grate (Not available in Ductile Iron)	396.00
-MBG	Ductile Iron Bucket & Grate	777.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00
-XP	Closure Plug, 02, 03"	615.00
	04"	1,026.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	9.25	995.00	1,678.00	1,835.00	22

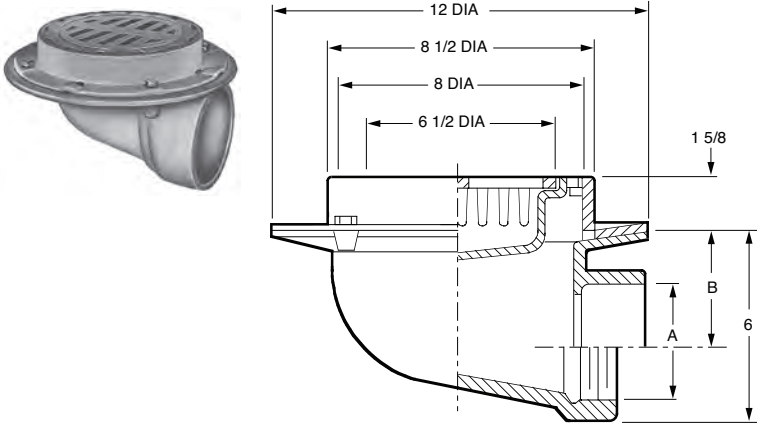
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Sediment Bucket.

*Requires body modifications. Must be shipped complete w/drain from the factory.

**When hinged ductile iron grate is specified, see 2210.

FLOOR DRAINS

FIG. 2225 LIGHT DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP AND "SAFE-SET" SEDIMENT BUCKET WITH FLANGE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	9.25	4 3/4"	1,608.00	2,290.00	2,449.00	30
03"	8 1/2"	9.25	3 3/4"	1,608.00	2,290.00	2,449.00	30
04"	8 1/2"	9.25	3 1/4"	1,608.00	2,290.00	2,449.00	30

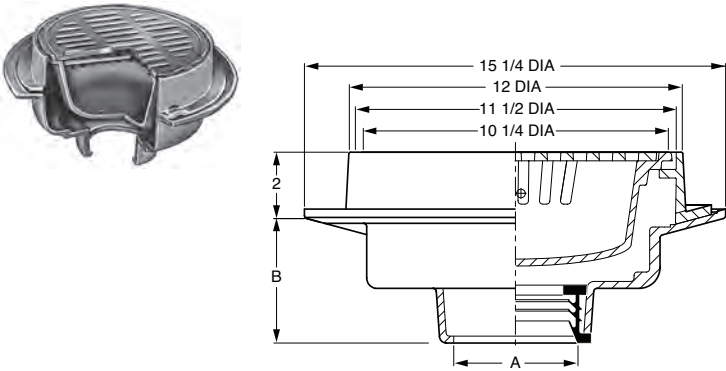
REGULARLY FURNISHED: Ducto Cast Iron Body and Flashing Collar with Cast Iron Grate and Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6"	N/C
Threaded	T02, T03, T04	6"	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to <u>THREADED</u> body price	

OPTIONS:		ADD
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-G	Galvanized CI	732.00
-MBG	Ductile Iron Bucket & Grate	777.00
-H	Hinged Grate	396.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00

FIG. 2230 LIGHT DUTY FLOOR DRAIN WITH 12" ROUND TOP AND "SAFE-SET" SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	25.5	2,370.00	3,382.00	3,542.00	70
05, 06"	12"	25.5	2,370.00	3,382.00	3,542.00	72
08"	12"	25.5	2,854.00	3,866.00	4,026.00	74

REGULARLY FURNISHED: Ducto Cast Iron Body and Flashing Collar with Cast Iron ADA Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5"	N/C
	C05, C06, C08	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
	T05, T06, T08	3 3/4"	120.00
No-Hub	Y02, Y03, Y04	5"	N/C
	Y05, Y06, Y08	5"	N/C

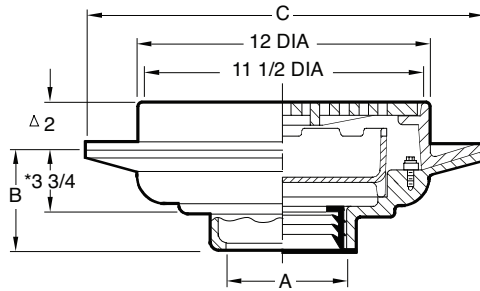
OPTIONS:		ADD
-ARI	ARC Inside	1,324.00
-ARIO	ARC In and Out	1,742.00
-DID	Drain Installation Device	556.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-G	Galvanized CI	1,507.00
-H	Hinged Grate	396.00
-MBG	Ductile Iron Bucket & Grate	1,159.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2231 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP AND SEDIMENT BUCKET

Load Rating: Medium Duty having a Safe Live (Static) Load between 2,000 lbs. (900 kg) and 4,999 lbs. (2,250 kg) per ASME A112.6.3. Floor Drain Standard. For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C	*DUCCO CI	DUCCO CI PB TOP	DUCCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	28.5	15 1/4"	2,370.00	3,382.00	3,542.00	70
05, 06"	12"	28.5	15 1/4"	2,370.00	3,382.00	3,542.00	72
08"	12"	28.5	16"	2,854.00	3,866.00	4,026.00	74

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Bar Grate and Solid Free Standing Bucket.

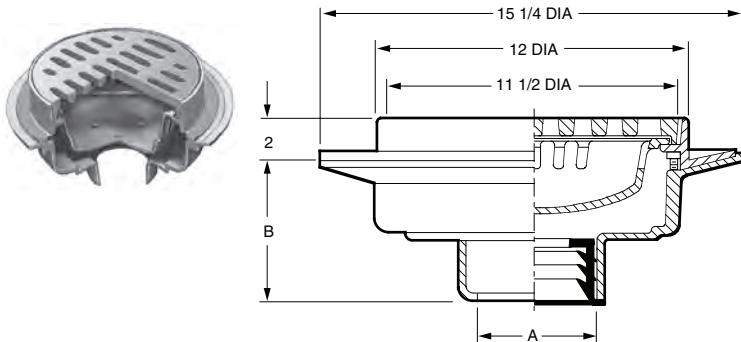
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
	C05, C06, C08	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
	T05, T06, T08	3 3/4"	120.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
	Y05, Y06, Y08	3 3/4"	N/C

OPTIONS:	ADD
-ARI ARC Inside	1,324.00
-ARIO ARC In and Out	1,742.00
-DID Drain Installation Device	556.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	1,507.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	407.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

* This dimension to internal stop of Speedi-Set® Gasket.

FIG. 2233 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE AND SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCCO CI	DUCCO CI PB TOP	DUCCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	2,370.00	3,382.00	3,542.00	58
05, 06"	12"	29	2,370.00	3,382.00	3,542.00	60
08"	12"	29	2,854.00	3,866.00	4,026.00	62

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate and Slotted Sediment Bucket.

For Heavy Duty: Specify Ductile Iron Grate -M

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

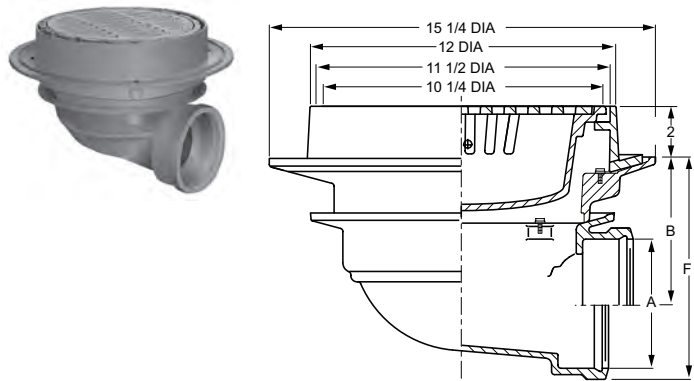
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5"	N/C
	C05, C06	5"	N/C
	C08	6"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
	T05, T06	3 3/4"	120.00
	T08	5"	120.00
No-Hub	Y02, Y03, Y04	5"	N/C
	Y05, Y06	5"	N/C
	Y08	6"	N/C

OPTIONS:	ADD
-ARI ARC Inside	1,324.00
-ARIO ARC In and Out	1,742.00
-BS Bucket with Mesh Screen	670.00
-D Dome Grate, CI	215.00
-DID Drain Installation Device	556.00
-DBSCI Dome Bottom Strainer, CI	228.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	1,507.00
-M Ductile Iron Grate	407.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2235 LIGHT DUTY FLOOR DRAIN WITH 12" ROUND TOP AND "SAFE-SET"™ SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	25.5	6 7/8"	3,023.00	4,035.00	4,194.00	71
03"	12"	25.5	6 3/8"	3,023.00	4,035.00	4,194.00	71
04"	12"	25.5	5 7/8"	3,023.00	4,035.00	4,194.00	71
05"	12"	25.5	5"	3,023.00	4,035.00	4,194.00	73
06"	12"	25.5	4 1/2"	3,023.00	4,035.00	4,194.00	73

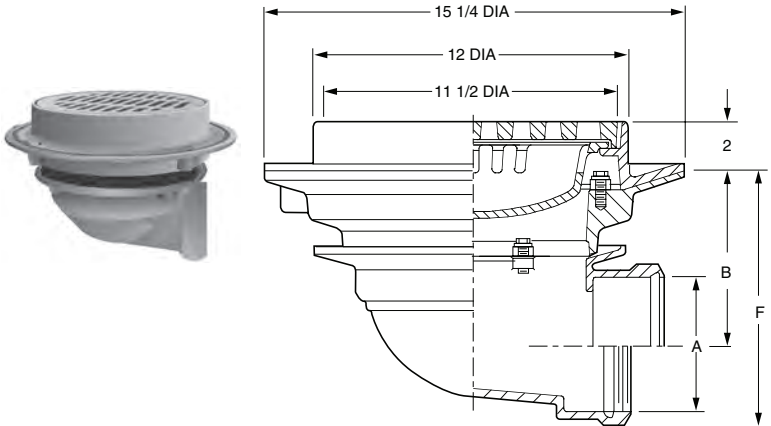
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:		ADD
-G	Galvanized CI	1,507.00
-H	Hinged Grate	396.00
-MBG	Ductile Iron Bucket & Grate	1,159.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

FIG. 2238 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE AND SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	29	6 7/8"	3,023.00	4,035.00	4,194.00	74
03"	12"	29	6 3/8"	3,023.00	4,035.00	4,194.00	74
04"	12"	29	5 7/8"	3,023.00	4,035.00	4,194.00	74
05"	12"	29	5"	3,023.00	4,035.00	4,194.00	76
06"	12"	29	4 1/2"	3,023.00	4,035.00	4,194.00	76

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Medium Duty Cast Iron Tractor Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

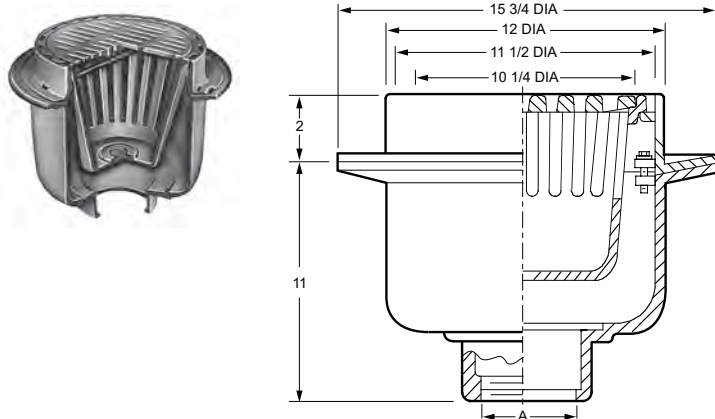
OPTIONS:		ADD
-BS	Bucket with Mesh Screen	670.00
-D	Dome Grate, CI	215.00
-G	Galvanized CI	1,507.00
-M	Ductile Iron Grate	407.00
-S	Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC	Solid Scoriated Cover	906.00
-SNB	Square Top, add to CI	1,932.00
-SPB	Square Top, add to CI	1,673.00
-U	Vandal Proof Grate	228.00

For Heavy Duty: Specify Ductile Iron Grate -M

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2240 DEEP BODY MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP AND "SAFE-SET"® SEDIMENT BUCKET
FIG. 2241 DEEP BODY MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND GRATE AND SOLID FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	25.5	2,780.00	3,792.00	3,951.00	81
05, 06"	12"	25.5	2,780.00	3,792.00	3,951.00	83

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Grate and Slotted Sediment Bucket.

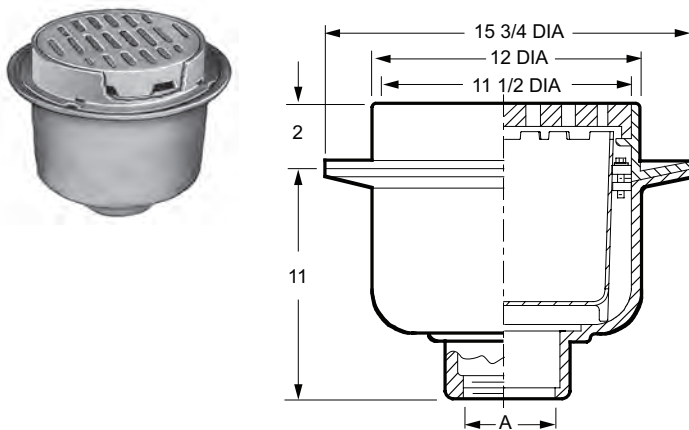
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Threaded	T02, T03, T04, T05, T06	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	N/C

OPTIONS:	ADD
-B Solid Free Standing Bucket (2241)	N/C
-BS Mesh Lined Bucket	650.00
-D Dome Grate, CI	215.00
-DNB Dome Grate add to CI	1,932.00
-DPB Dome Grate add to CI	1,658.00
-FBSCI Flat Bottom Strainer, CI	149.00
-G Galvanized CI	1,892.00
-H Hinged Grate*	396.00
-M Ductile Iron Grate (2241)	411.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*Hinged grate not available in "Safe-Set"® design. Full Grate is provided with a suspended bucket. (Specify Fig. 2241)

FIG. 2242 DEEP BODY HEAVY DUTY FLOOR DRAIN WITH 12" TOP W/TRACTOR GRATE AND SOLID FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	2,780.00	3,792.00	3,951.00	76
05, 06"	12"	29	2,780.00	3,792.00	3,951.00	78

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Solid Free Standing Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

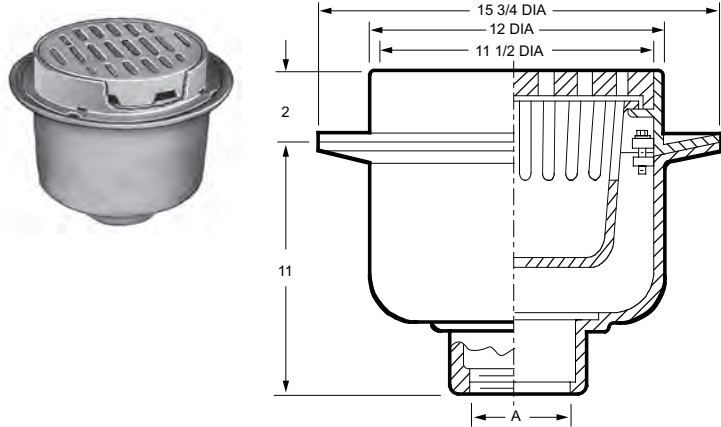
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Threaded	T02, T03, T04, T05, T06	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	N/C

OPTIONS:	ADD
-FBSCI Flat Bottom Strainer, CI	149.00
-FP Seepage Holes in Bucket	211.00
-G Galvanized CI	1,892.00
-M Ductile Iron Grate	411.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2243 DEEP BODY HEAVY DUTY FLOOR DRAIN WITH 12" TOP W/TRACTOR GRATE AND SUSPENDED SLOTTED SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	2,780.00	3,792.00	3,951.00	84
05, 06"	12"	29	2,780.00	3,792.00	3,951.00	86

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Suspended Slotted Sediment Bucket.

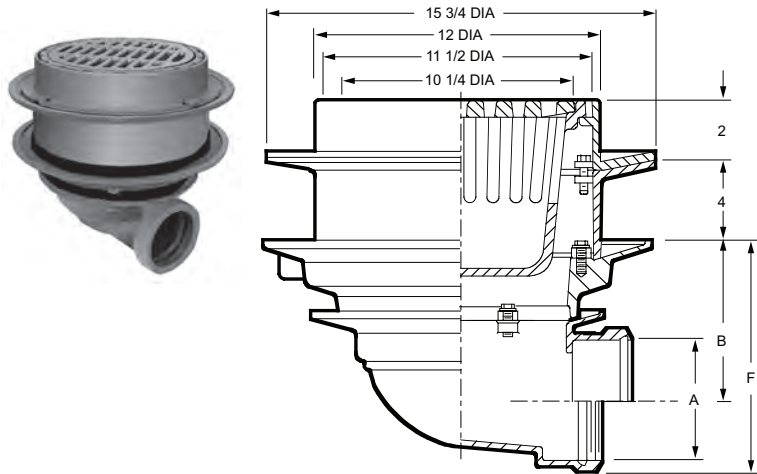
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Threaded	T02, T03, T04, T05, T06	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	N/C

OPTIONS:	ADD
-FBSCI Flat Bottom Strainer, CI	149.00
-G Galvanized CI	1,892.00
-H Hinged Grate*	396.00
-M Ductile Iron Grate	411.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*When hinged grate is specified, drain becomes light duty.

FIG. 2245 DEEP BODY MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP AND "SAFE-SET" SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	25.5	6 7/8"	4,244.00	5,256.00	5,414.00	82
03"	12"	25.5	6 3/8"	4,244.00	5,256.00	5,414.00	82
04"	12"	25.5	5 7/8"	4,244.00	5,256.00	5,414.00	82
05"	12"	25.5	5"	4,244.00	5,256.00	5,414.00	84
06"	12"	25.5	4 1/2"	4,244.00	5,256.00	5,414.00	84

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

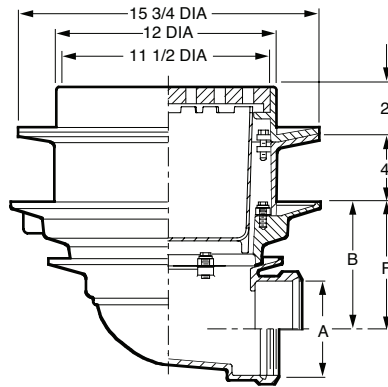
OPTIONS:	ADD
-G Galvanized CI	2,047.00
-H Hinged Grate*	396.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*Hinged grate not available in "Safe-Set" design. Full Grate is provided with a suspended bucket.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2247 DEEP BODY HEAVY DUTY FLOOR DRAIN WITH 12" TOP W/TRACTOR GRATE AND SOLID FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	29	6 7/8"	4,244.00	5,256.00	5,414.00	70
03"	12"	29	6 3/8"	4,244.00	5,256.00	5,414.00	70
04"	12"	29	5 7/8"	4,244.00	5,256.00	5,414.00	70
05"	12"	29	5"	4,244.00	5,256.00	5,414.00	72
06"	12"	29	4 1/2"	4,244.00	5,256.00	5,414.00	72

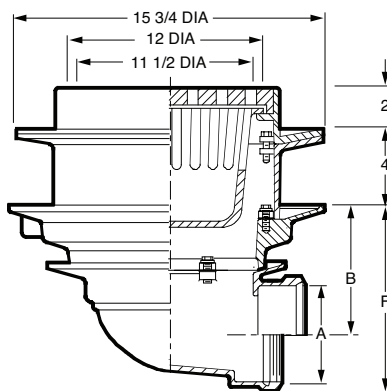
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Solid Free Standing Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02, Y03, Y04		N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-FP Seepage Holes in Bucket	211.00
-G Galvanized CI	2,047.00
-M Ductile Iron Grate	411.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FIG. 2248 DEEP BODY HEAVY DUTY FLOOR DRAIN WITH 12" TOP W/TRACTOR GRATE AND SUSPENDED SLOTTED SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	29	6 7/8"	4,244.00	5,256.00	5,414.00	70
03"	12"	29	6 3/8"	4,244.00	5,256.00	5,414.00	70
04"	12"	29	5 7/8"	4,244.00	5,256.00	5,414.00	70
05"	12"	29	5"	4,244.00	5,256.00	5,414.00	72
06"	12"	29	4 1/2"	4,244.00	5,256.00	5,414.00	72

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Suspended Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

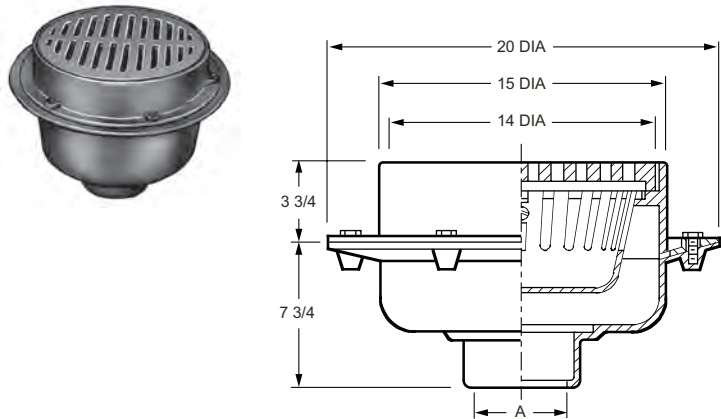
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02, Y03, Y04		N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-BS Bucket w/Mesh Screen	650.00
-FP Seepage Holes in Bucket	211.00
-G Galvanized CI	2,047.00
-M Ductile Iron Grate	411.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SC Solid Scoriated Cover	906.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

†REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2250 LARGE CAPACITY HEAVY DUTY FLOOR DRAIN WITH 15" TOP W/TRACTOR GRATE AND SLOTTED SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
04, 05"	15"	45	4,565.00	8,225.00	8,698.00	110
06, 08"	15"	45	4,565.00	8,225.00	8,698.00	112

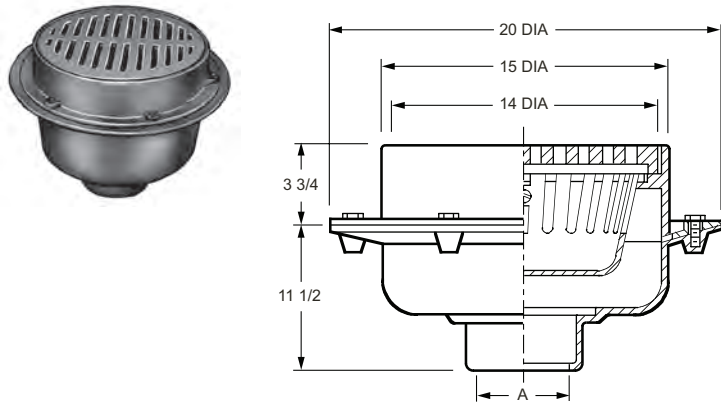
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Tractor Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT DIM.	ADD
Inside Caulk	C04, C05, C06, C08	7 3/4"	N/C
Threaded	T04, T05, T06, T08	7 3/4"	120.00

OPTIONS:	ADD
-BS Bucket w/Mesh Screen	1,192.00
-D Dome Grate, CI	626.00
-DNB Dome Grate, add to CI	6,015.00
-DPB Dome Grate, add to CI	5,233.00
-G Galvanized CI	3,062.00
-HC 2" High Collar	N/C
-M Ductile Iron Grate	1,026.00
-S Square Top (Add for CI & DI only) For NB or PB, see below	736.00
-SNB Square Top, add to CI	5,159.00
-SPB Square Top, add to CI	4,633.00
-U Vandal Proof Grate	320.00

FIG. 2253 LARGE CAPACITY HEAVY DUTY FLOOR DRAIN WITH 15" TOP W/TRACTOR GRATE AND SLOTTED SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
04, 05"	15"	45	5,196.00	8,856.00	9,329.00	110
06"	15"	45	5,196.00	8,856.00	9,329.00	112

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Tractor Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

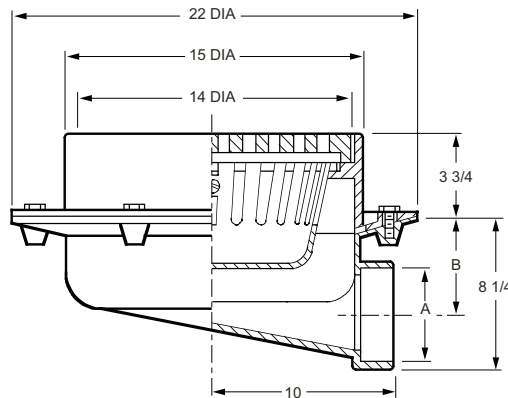
Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT DIM.	ADD
Inside Caulk	C04, C05, C06	11 1/2"	N/C
Threaded	T04, T05, T06	11 1/2"	120.00

OPTIONS:	ADD
-BS Bucket w/Mesh Screen	1,192.00
-D Dome Grate, CI	626.00
-DNB Dome Grate, add to CI	6,015.00
-DPB Dome Grate, add to CI	5,233.00
-FBSCI Flat Bottom Strainer	149.00
-G Galvanized CI	3,062.00
-HC 2" High Collar	N/C
-M Ductile Iron Grate	1,026.00
-S Square Top (Add for CI & DI only) For NB or PB, see below	736.00
-SNB Square Top, add to CI	5,159.00
-SPB Square Top, add to CI	4,633.00
-U Vandal Proof Grate	320.00

†REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2255 LARGE CAPACITY HEAVY DUTY FLOOR DRAIN WITH 15" TOP W/TRACTOR GRATE AND SLOTTED SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
05"	15"	45	4 7/8"	5,603.00	9,263.00	9,735.00	110
06"	15"	45	4 3/8"	5,603.00	9,263.00	9,735.00	112

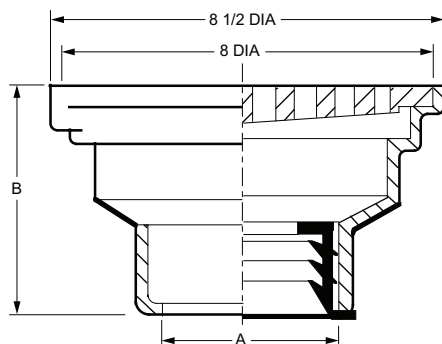
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Tractor Grate and Slotted Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C05, C06	N/C

OPTIONS:	ADD
-BS Bucket w/Mesh Screen	1,192.00
-D Dome Grate, CI	626.00
-DNB Dome Grate, add to CI	6,015.00
-DPB Dome Grate, add to CI	5,233.00
-G Galvanized CI	3,062.00
-HC 2" High Collar	N/C
-M Ductile Iron Grate	1,026.00
-S Square Top (Add for CI & DI only) For NB or PB, see below	736.00
-SNB Square Top, add to CI	5,159.00
-SPB Square Top, add to CI	4,633.00
-U Vandal Proof Grate	320.00

FIG. 2270 SMALL AREA MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP W/BAR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	14.25	544.00	1,227.00	1,384.00	13

REGULARLY FURNISHED: Duco Cast Iron Body and Loose Set ADA Grate.

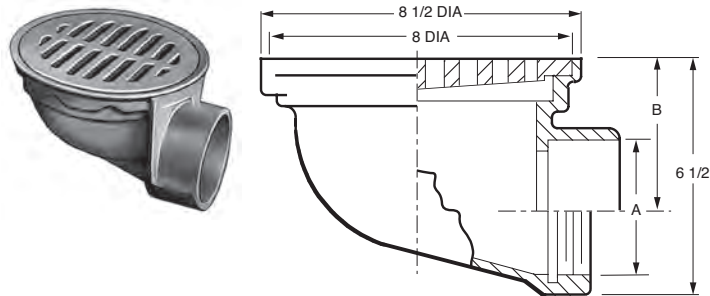
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 1/2"	120.00
No-Hub	Y02, Y03, Y04	5"	N/C

OPTIONS:	ADD
-AB Sediment Bucket, Alum	355.00
-B Sediment Bucket, CI	215.00
-D Dome Grate, CI	125.00
-DNB Dome Grate, add to CI	1,421.00
-DPB Dome Grate, add to CI	1,130.00
-FBSCI Flat Bottom Strainer	92.00
-G Galvanized CI	661.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	329.00
-P Trap Primer Conn.	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-TG Tractor Grates (Spec Fig. 2271)	215.00
-U Vandal Proof Grate	228.00
-XP Closure Plug, 02, 03" 04"	615.00 1,026.00

FLOOR DRAINS

FIG. 2275 SMALL AREA MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP W/BAR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	14.25	4 3/4"	1,180.00	1,863.00	2,022.00	20
03"	8 1/2"	14.25	4 1/4"	1,180.00	1,863.00	2,022.00	24
04"	8 1/2"	14.25	3 3/4"	1,180.00	1,863.00	2,022.00	24

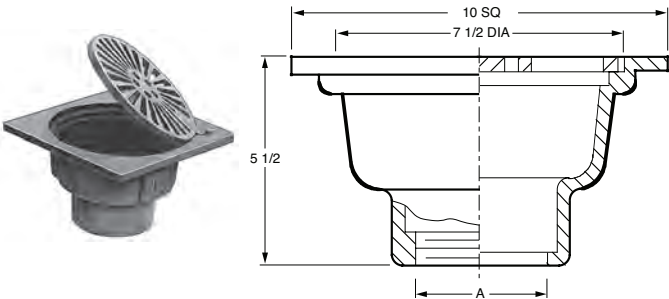
REGULARLY FURNISHED: Duco Cast Iron Body and Loose Set ADA
Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-AB	Sediment Bucket, Alum	355.00
-B	Sediment Bucket	215.00
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-G	Galvanized CI	661.00
-H	Hinged Grate	396.00
-M	Ductile Iron Grate	329.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-TG	Tractor Grate (Specify 2276)	215.00
-U	Vandal Proof Grate	228.00

FIG. 2280 LIGHT DUTY FLOOR DRAIN WITH HINGED GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	10" SQ	16	543.00	2,142.00	2,197.00	20
03"	10" SQ	16	719.00	2,318.00	2,374.00	24
04"	10" SQ	16	1,240.00	2,838.00	2,893.00	29

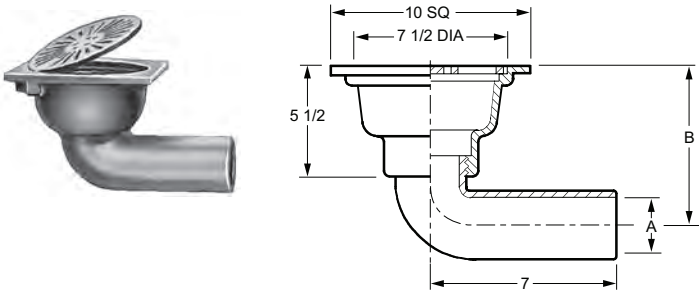
REGULARLY FURNISHED: Duco Cast Iron Body and Slotted
Hinged Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-AB	Sediment Bucket, Alum	355.00
-B	Sediment Bucket, CI	215.00
-BT	Bell Trap	166.00
-D	Hinged Dome Grate	306.00
-G	Galvanized CI	661.00
-U	Vandal Proof Grate	228.00

FIG. 2285 LIGHT DUTY FLOOR DRAIN WITH HINGED GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	10" SQ	16	8"	1,075.00	2,673.00	2,728.00	20
03"	10" SQ	16	8 1/4"	1,549.00	3,147.00	3,203.00	24
04"	10" SQ	16	8 1/2"	2,176.00	3,774.00	3,830.00	29

REGULARLY FURNISHED: Duco Cast Iron Body and Slotted Hinged Grate.

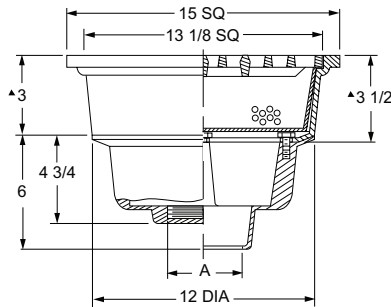
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04	N/C

OPTIONS:		ADD
-B	Sediment Bucket	215.00
-D	Hinged Dome Grate	306.00
-G	Galvanized CI	758.00
-U	Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FIG. 2295 HEAVY DUTY FLOOR DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04, 05, 06"	15"	75	5,159.00	7,410.00	7,990.00	49

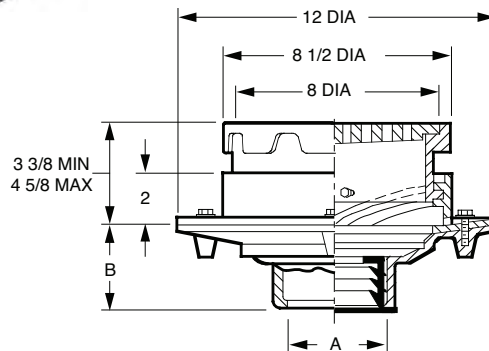
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Secured Ductile Iron Grate and Stainless Steel Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Speedi-Set® SW	L02, L03, L04	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	N/C
Threaded	T02, T03, T04, T05, T06	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	N/C
OPTIONS:		ADD
-FBS	Flat Bottom Strainer	69.00
-G	Galvanized CI	2,173.00
-U	Vandal Proof Grate	232.00

▲ Add 3/16" when Bronze Top is specified.

FIG. 2310 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	120.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
No-Hub	Y06	3 3/4"	211.00

OPTIONS:		ADD
-B	Sediment Bucket	215.00
-D	Dome Grate, CI	125.00
-DBS	Dome Bottom Strainer, Aluminum	183.00
-DG	Deflector Grate	320.00
-DID*	Drain Installation Device	321.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-E	Extension, ea 2" or fraction	298.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-G	Galvanized CI	840.00
-H	Hinged Grate	396.00
-M	Ductile Iron Grate	329.00
-P	Trap Primer Connection	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00
-XP	Closure Plug, 02, 03"	615.00
	04"	1,026.00

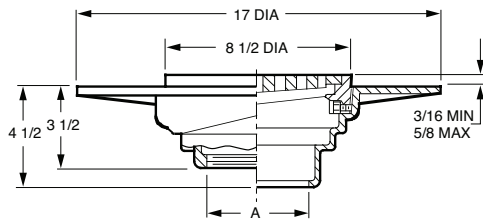
*Requires body modifications. Must be shipped complete w/drain from the factory.

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	14.25	1,110.00	1,793.00	1,950.00	31

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

FLOOR DRAINS

FIG. DX2312 WIDE FLANGE DECK DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP AND ADJUSTABLE LIP DIMENSION



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.		DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	14.25		1,256.00	1,939.00	2,098.00

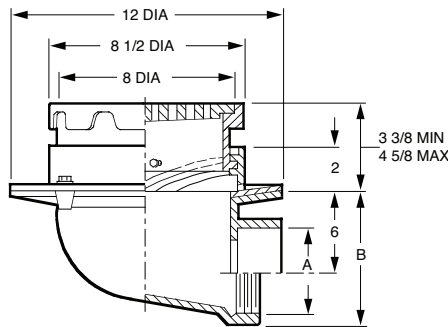
REGULARLY FURNISHED: Duco Cast Iron Body with Cast Iron Adjustable Top.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-ARI ARC Inside	930.00
-ARIO ARC In and Out	1,234.00
-B "Safe-Set" Bucket	199.00
-G Galvanized CI	1,063.00
-SH Securing Holes	189.00
-U Vandal Proof Grate	228.00

FIG. 2315 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	14.25	4 1/4"	1,785.00	2,468.00	2,627.00
03"	8 1/2"	14.25	3 3/4"	1,785.00	2,468.00	2,627.00
04"	8 1/2"	14.25	3 1/4"	1,785.00	2,468.00	2,627.00

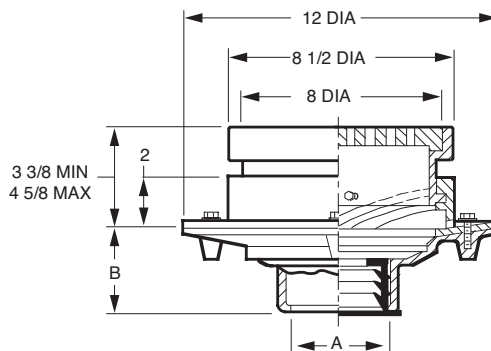
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-AB Aluminum Bucket	355.00
-B Sediment Bucket, CI	215.00
-D Dome Grate, CI	125.00
-DG Deflector Grate	320.00
-DNB Dome Grate, add to CI	1,421.00
-DPB Dome Grate, add to CI	1,130.00
-E Extension, ea 2" or fraction	298.00
-G Galvanized CI	840.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	329.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Grate	228.00

FIG. 2320 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP AND TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.		DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	13		1,359.00	2,041.00	2,199.00

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	120.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
No-Hub	Y06	3 3/4"	211.00

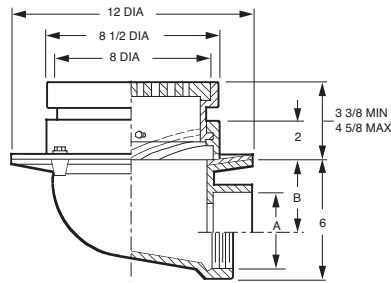
OPTIONS:	ADD
-AB Aluminum Bucket	355.00
-ARI ARC Inside	741.00
-ARIO ARC In and Out	985.00
-B Sediment Bucket	215.00
-DID* Drain Installation Device	321.00
-E Extension, ea 2" or fraction	298.00
-FBS Alum Flat Bottom Strainer	106.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	840.00
-M Ductile Iron Grate	332.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SC Solid Scoriated Cover	754.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Grate	228.00
-XP Closure Plug, 02, 03" 04"	615.00
	1,026.00

*Requires body modifications. Must be shipped complete w/drain from the factory.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2325 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP AND TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	13	4 1/4"	2,027.00	2,709.00	2,868.00	44
03"	8 1/2"	13	3 3/4"	2,027.00	2,709.00	2,868.00	44
04"	8 1/2"	13	3 1/4"	2,027.00	2,709.00	2,868.00	44

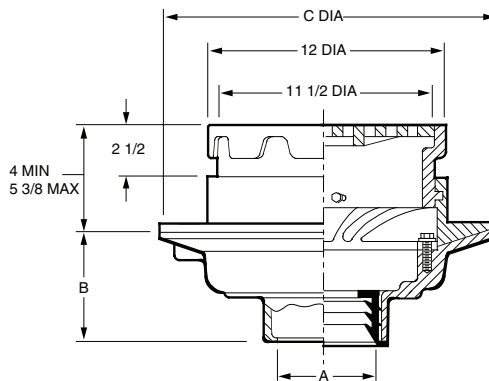
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-AB Aluminum Bucket	355.00
-B Sediment Bucket	215.00
-E Extension, ea 2" or fract	298.00
-G Galvanized CI	840.00
-M Ductile Iron Grate	332.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SC Solid Scoriated Cover	754.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Grate	228.00

FIG. 2330 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	28.5	15 1/4"	2,647.00	3,659.00	3,817.00	57
05, 06"	12"	28.5	15 1/4"	2,647.00	3,659.00	3,817.00	57

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

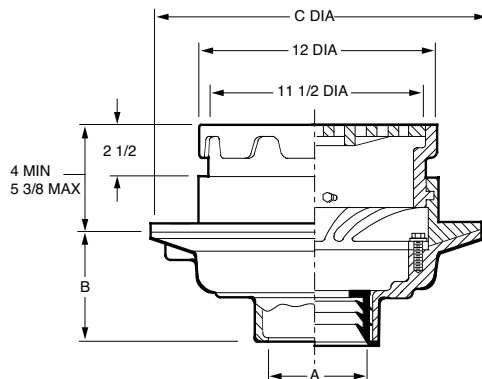
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-B Sediment Bucket	396.00
-D Dome Grate, CI	215.00
-DID Drain Installation Device	556.00
-DNB Dome Grate, add to CI	1,932.00
-DPB Dome Grate, add to CI	1,673.00
-E Extension, ea 2" or fraction	384.00
-FBSCI Flat Bottom Strainer, CI	92.00
-FP Frost Proof Bucket	572.00
-G Galvanized CI	1,256.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	407.00
-P Trap Primer Connection	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FIG. 2331 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP

2331
Same as
2330
with shallow
body



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	28.5	16"	2,300.00	3,311.00	3,471.00	52
05, 06"	12"	28.5	16"	2,300.00	3,311.00	3,471.00	52

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

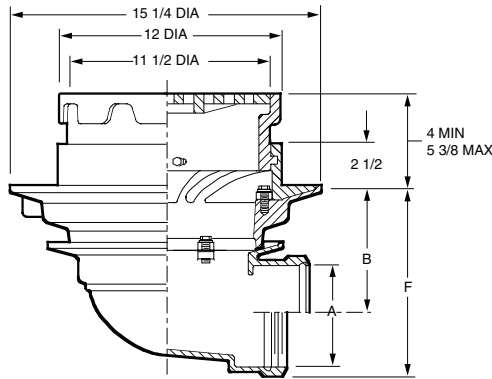
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	3 3/4"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-B Sediment Bucket	396.00
-D Dome Grate, CI	215.00
-DNB Dome Grate, add to CI	1,932.00
-DPB Dome Grate, add to CI	1,673.00
-E Extension, ea 2" or fraction	384.00
-FP Frost Proof Bucket	572.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	1,256.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	407.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2335 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	28.5	6 7/8"	2,969.00	3,980.00	4,139.00	76
03"	12"	28.5	6 3/8"	2,969.00	3,980.00	4,139.00	76
04"	12"	28.5	5 7/8"	2,969.00	3,980.00	4,139.00	76
05"	12"	28.5	5"	2,969.00	3,980.00	4,139.00	78
06"	12"	28.5	4 1/2"	2,969.00	3,980.00	4,139.00	78

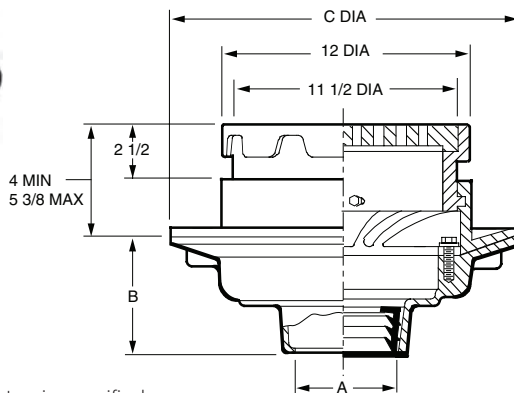
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-B Sediment Bucket	396.00
-D Dome Grate, CI	215.00
-DNB Dome Grate, add to CI	1,932.00
-DPB Dome Grate, add to CI	1,673.00
-E Extension, ea 2" or fraction	384.00
-G Galvanized CI	1,256.00
-H Hinged Grate	396.00
-M Ductile Iron Grate	407.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FIG. 2340 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP AND TRACTOR GRATE



▲ Add 1/8" when bronze top is specified.

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	15 1/4"	2,793.00	3,805.00	3,964.00	62
05, 06"	12"	29	15 1/4"	2,793.00	3,805.00	3,964.00	64

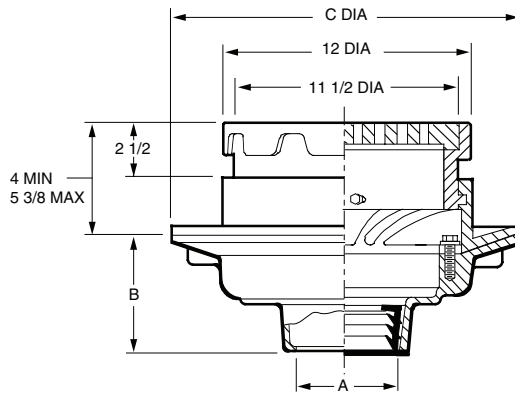
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-B Sediment Bucket	396.00
-DID Drain Installation Device	556.00
-FBSCI Flat Bottom Strainer, CI	92.00
-FP Frost Proof Bucket	572.00
-E Extension, ea 2" or fraction	384.00
-G Galvanized CI	1,256.00
-M Ductile Iron Grate	407.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

2341
 Same as
2340
 with shallow
 body



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	C DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	29	16"	2,793.00	3,805.00	3,964.00	57
05, 06"	12"	29	16"	2,793.00	3,805.00	3,964.00	59

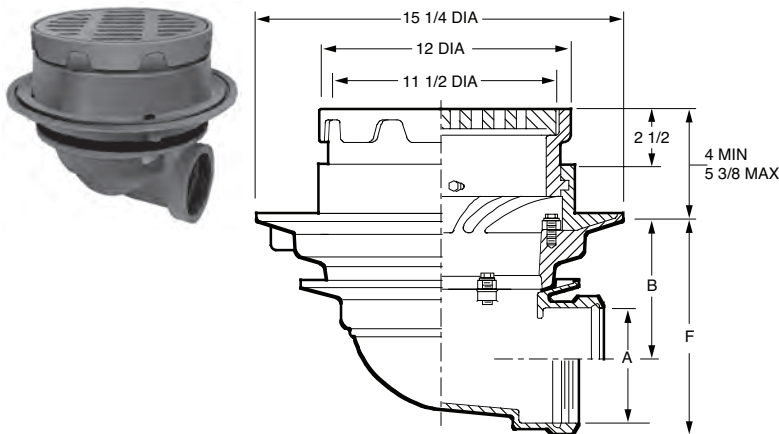
REGULARLY FURNISHED: Ducto Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	3 3/4"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-B Sediment Bucket	396.00
-E Extension, ea 2" or fraction	384.00
-FBSCI Flat Bottom Strainer, CI	92.00
-FP Frost Proof Sediment Bucket	572.00
-G Galvanized CI	1,256.00
-M Ductile Iron Grate	407.00
-P Trap Primer Connection	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FIG. 2345 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP AND TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	29	6 7/8"	3,468.00	4,480.00	4,640.00	74
03"	12"	29	6 3/8"	3,468.00	4,480.00	4,640.00	74
04"	12"	29	5 7/8"	3,468.00	4,480.00	4,640.00	74
05"	12"	29	5"	3,468.00	4,480.00	4,640.00	76
06"	12"	29	4 1/2"	3,468.00	4,480.00	4,640.00	76

REGULARLY FURNISHED: Ducto Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

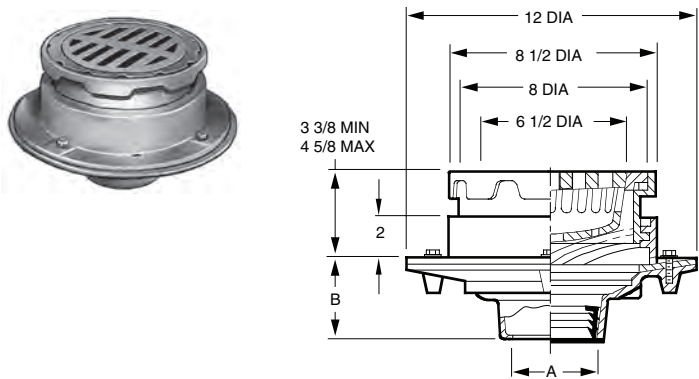
OPTIONS:	ADD
-B Sediment Bucket	396.00
-E Extension, ea 2" or fraction	384.00
-G Galvanized CI	1,256.00
-M Ductile Iron Grate	407.00
-P Trap Primer Connection	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FLOOR DRAINS

FIG. 2350 FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP AND "SAFE-SET"® SEDIMENT BUCKET



LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard. For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	10.5	1,289.00	1,971.00	2,130.00	50

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate with Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

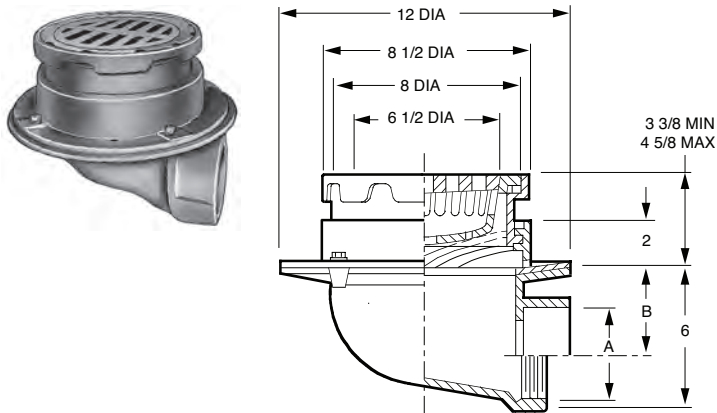
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	120.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
No-Hub	Y06	3 3/4"	211.00

OPTIONS:		ADD
-D	Dome Grate, CI	125.00
-DID*	Drain Installation Device	321.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-E	Extension, ea 2" or fraction	298.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-G	Galvanized CI	910.00
-MBG	Ductile Iron Bucket & Grate	777.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00

*Requires body modifications. Must be shipped complete w/drain from the factory.

FIG. 2355 FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP AND "SAFE-SET"® SEDIMENT BUCKET

LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard. For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/2"	10.5	4 1/4"	1,631.00	2,313.00	2,472.00	62
03"	8 1/2"	10.5	3 3/4"	1,631.00	2,313.00	2,472.00	62
04"	8 1/2"	10.5	3 1/4"	1,631.00	2,313.00	2,472.00	62

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate with Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

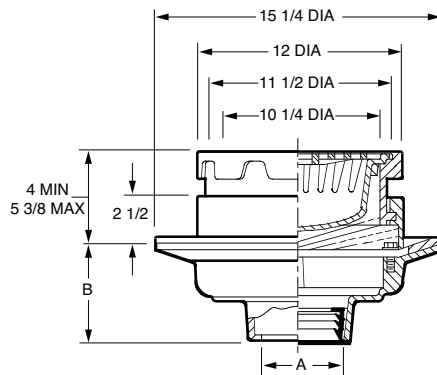
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,421.00
-DPB	Dome Grate, add to CI	1,130.00
-E	Extension, ea 2" or fraction	298.00
-G	Galvanized CI	910.00
-MBG	Ductile Iron Bucket & Grate	777.00
-P	Trap Primer Conn	255.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB	Square Top, add to CI	1,461.00
-SPB	Square Top, add to CI	1,210.00
-U	Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2360 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP AND "SAFE-SET"® SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12"	25.5	3,012.00	4,024.00	4,183.00	87
05, 06"	12"	25.5	3,012.00	4,024.00	4,183.00	89

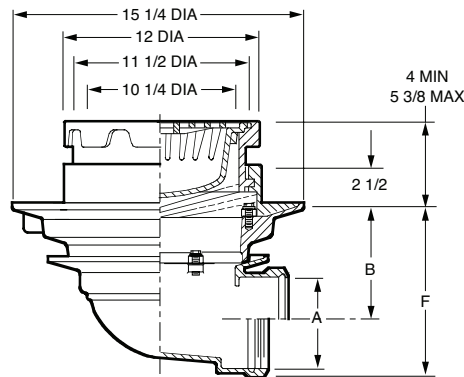
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Slotted ADA Grate with Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	N/C

OPTIONS:	ADD
-ARIO ARC In and Out	1,916.00
-DID Drain Installation Device	321.00
-E Adjus Ext, 4 1/2 to 6"	384.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	1,626.00
-H Hinged Grate	396.00
-MBG Ductile Iron Bucket & Grate	1,065.00
-P Trap Primer Conn	255.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

FIG. 2365 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP AND "SAFE-SET"® SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12"	25.5	6 7/8"	3,686.00	4,697.00	4,857.00	95
03"	12"	25.5	6 3/8"	3,686.00	4,697.00	4,857.00	95
04"	12"	25.5	5 7/8"	3,686.00	4,697.00	4,857.00	95
05"	12"	25.5	5"	3,686.00	4,697.00	4,857.00	97
06"	12"	25.5	4 1/2"	3,686.00	4,697.00	4,857.00	97

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Slotted ADA Grate with Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

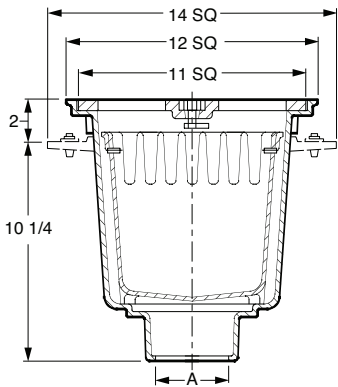
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	N/C
	C03, C04	8 3/4"	N/C
	C05, C06	8 1/2"	N/C
Threaded	T02	8 5/8"	N/C
	T03, T04	8 3/4"	N/C
	T05, T06	8 1/2"	N/C
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body price	

OPTIONS:	ADD
-E Ext, ea 2" or fraction	384.00
-G Galvanized CI	1,626.00
-H Hinged Grate	396.00
-M Ductile Iron Grate Only	407.00
-MBG Ductile Iron Bucket & Grate	1,065.00
-S Square Top (Add for CI only. For NB or PB, see below)	535.00
-SNB Square Top, add to CI	1,932.00
-SPB Square Top, add to CI	1,673.00
-U Vandal Proof Grate	228.00

*REGULARLY FURNISHED

FIG. 2410 TRAFFIC FLOOR DRAIN WITH 12" SQUARE TOP AND FREE STANDING SEDIMENT BUCKET

2410
Same as
2415
less Flange



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	12" SQ	27	3,175.00	4,596.00	4,883.00	85
05, 06"	12" SQ	27	3,175.00	4,596.00	4,883.00	85

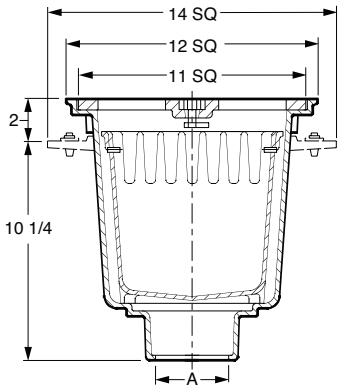
REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate, Locking Device and Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
Threaded	T03, T04, T05, T06	120.00
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,214.00
-ARIO	ARC In and Out	1,608.00
-FBSCI	Flat Bottom Strainer, CI	149.00
-G	Galvanized CI	1,383.00
-M	Ductile Iron Grate	943.00
-P	Trap Primer Conn	255.00
-SC	Solid Scoriated Cover	
	*S316 With/CI Solid Hinged Cover & Lift Ring	996.00
	*S314 With/CI Solid Hinged Cover & Locking Device	1,480.00
	*S317 With/DI Solid Hinged Cover & Lift Ring	1,800.00
	*S315 With/DI Solid Hinged Cover & Locking Device	2,290.00
-SSM	SS Mesh on Bucket	650.00
-U	Vandal Proof Grate	228.00
		DEDUCT
-LB	Less Bucket	260.00
-LLD	Less Locking Device	485.00
-LSG	Loose Set Grate	855.00

FIG. 2415 TRAFFIC FLOOR DRAIN WITH 12" SQUARE TOP AND FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	12" SQ	27	3,175.00	4,596.00	4,883.00	85
05, 06"	12" SQ	27	3,175.00	4,596.00	4,883.00	85

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate, Locking Device and Sediment Bucket.

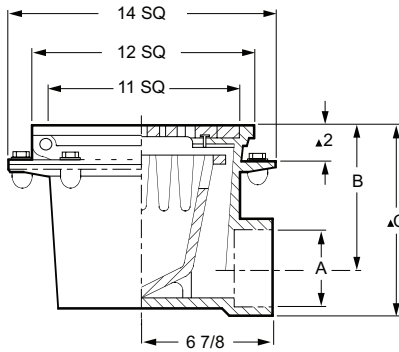
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
Threaded	T03, T04, T05, T06	120.00
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,214.00
-ARIO	ARC In and Out	1,608.00
-C	Flashing Clamp	N/C
-FBSCI	Flat Bottom Strainer, CI	149.00
-G	Galvanized CI	1,383.00
-M	Ductile Iron Grate	943.00
-P	Trap Primer Conn	255.00
-SC	Solid Scoriated Cover	
	*S316 With/CI Solid Hinged Cover & Lift Ring	996.00
	*S314 With/CI Solid Hinged Cover & Locking Device	1,480.00
	*S317 With/DI Solid Hinged Cover & Lift Ring	1,800.00
	*S315 With/DI Solid Hinged Cover & Locking Device	2,290.00
-SSM	SS Mesh on Bucket	650.00
-U	Vandal Proof Grate	228.00
		DEDUCT
-LB	Less Bucket	260.00
-LLD	Less Locking Device	485.00
-LSG	Loose Set Grate	855.00

*REGULARLY FURNISHED

2420
Same as
2425
less Flange



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	C	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03"	12" SQ	27	8 1/4"	10 3/4"	3,467.00	4,888.00	5,176.00	65
04"	12" SQ	27	7 3/4"	10 3/4"	3,467.00	4,888.00	5,176.00	65
05"	12" SQ	27	7 1/4"	10 7/8"	3,467.00	4,888.00	5,176.00	65
06"	12" SQ	27	6 3/4"	10 7/8"	3,467.00	4,888.00	5,176.00	65

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Gate, Locking Device and Sediment Bucket.

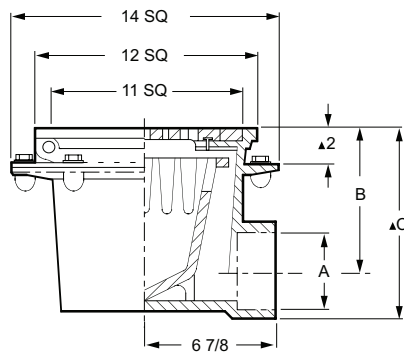
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk Only	C03, C04, C05, C06	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,214.00
-ARIO	ARC In and Out	1,608.00
-G	Galvanized CI	1,383.00
-M	Ductile Iron Grate	943.00
-P	Trap Primer Conn	255.00
-SC	Solid Scoriated Cover	POA
-SSM	SS Mesh on Bucket	650.00
-U	Vandal Proof Grate	228.00
		DEDUCT
-LB	Less Bucket	260.00
-LLD	Less Locking Device	485.00
-LSG	Loose Set Grate	855.00

▲Add 3/16" when bronze top is specified.

FIG. 2425 TRAFFIC FLOOR DRAIN WITH 12" SQUARE TOP AND FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	C	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03"	12" SQ	27	8 1/4"	10 3/4"	3,467.00	4,888.00	5,176.00	65
04"	12" SQ	27	7 3/4"	10 3/4"	3,467.00	4,888.00	5,176.00	65
05"	12" SQ	27	7 1/4"	10 7/8"	3,467.00	4,888.00	5,176.00	65
06"	12" SQ	27	6 3/4"	10 7/8"	3,467.00	4,888.00	5,176.00	65

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Gate, Locking Device and Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

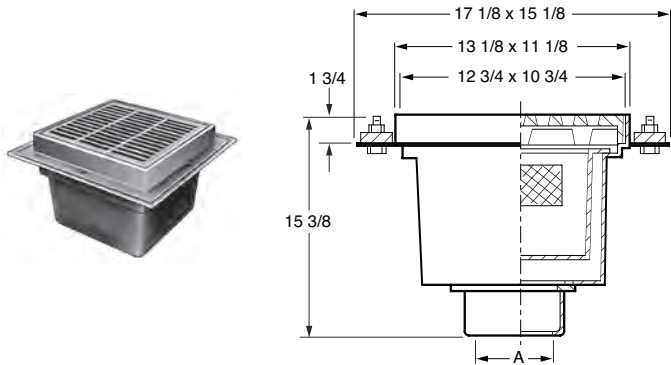
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk Only	C03, C04, C05, C06	N/C

OPTIONS:		ADD
-ARI	ARC Inside	1,214.00
-ARIO	ARC In and Out	1,608.00
-C	Flashing Clamp	N/C
-G	Galvanized CI	1,383.00
-M	Ductile Iron Grate	943.00
-P	Trap Primer Conn	255.00
-SC	Solid Scoriated Cover	POA
-SSM	SS Mesh on Bucket	650.00
-U	Vandal Proof Grate	228.00
		DEDUCT
-LB	Less Bucket	260.00
-LLD	Less Locking Device	485.00
-LSG	Loose Set Grate	855.00

▲Add 3/16" when bronze top is specified.

FLOOR DRAINS

FIG. 2450 TRAFFIC FLOOR DRAIN WITH LARGE CAPACITY SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	13 1/8 x 11 1/8"	40	5,378.00	7,435.00	7,660.00	100
05, 06"	13 1/8 x 11 1/8"	40	5,378.00	7,435.00	7,660.00	105

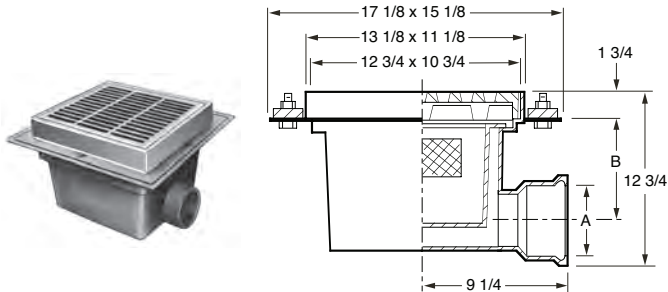
REGULARLY FURNISHED: Fabricated Steel Body with Galvanized Coating Inside and Outside and Cast Iron Grate and Stainless Steel Ported Bucket with Mesh Screen and Lift Bar.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
Threaded	T03, T04, T05, T06	N/C
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:	ADD
-C Flashing Clamp	298.00
-FBSCI Flat Bottom Strainer, CI	149.00
-GG Galvanized CI	1,441.00
-M Ductile Iron Grate	955.00
-SSB SS Perforated Bucket	342.00

FIG. 2455 TRAFFIC FLOOR DRAIN WITH LARGE CAPACITY SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03"	13 1/8 x 11 1/8"	40	8 1/4"	5,751.00	7,808.00	8,033.00	105
04"	13 1/8 x 11 1/8"	40	7 3/4"	5,751.00	7,808.00	8,033.00	105
05"	13 1/8 x 11 1/8"	40	7 1/4"	5,751.00	7,808.00	8,033.00	110
06"	13 1/8 x 11 1/8"	40	6 3/4"	5,751.00	7,808.00	8,033.00	110

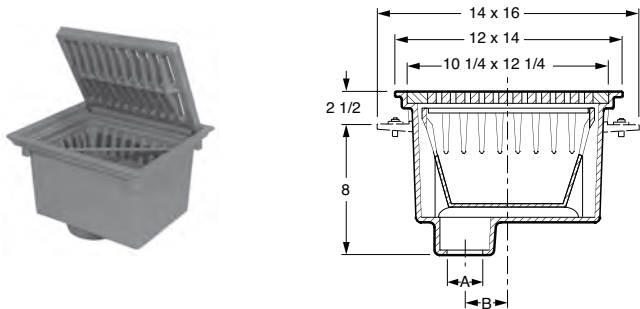
REGULARLY FURNISHED: Fabricated Steel Body with Galvanized Coating Inside and Outside and Cast Iron Grate and Stainless Steel Ported Bucket with Mesh Screen and Lift Bar.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
Threaded	T03, T04, T05, T06	N/C
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:	ADD
-C Flashing Clamp	298.00
-GG Galvanized CI Grate	1,441.00
-M Ductile Iron Grate	955.00
-SSB SS Perforated Bucket	342.00

FIG. 2470 MEDIUM DUTY TRAFFIC FLOOR DRAIN WITH OFFSET OUTLET, HINGED GRATE AND FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03"	12 x 14"	47	2,692.00	4,428.00	4,774.00	69
04, 06"	12 x 14"	47	2,692.00	4,428.00	4,774.00	69

REGULARLY FURNISHED: Duco Cast Iron Body with Medium Duty Hinged Grate and Cast Iron Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C06	N/C
Threaded	T02, T03, T04, T06	120.00
No-Hub	Y02, Y03, Y04, Y06	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-AB Aluminum Bucket	587.00
-FP Frost Proof Bucket	228.00
-G Galvanized CI	1,436.00
-M Ductile Iron Grate	955.00
-U Vandal Proof Screws	228.00

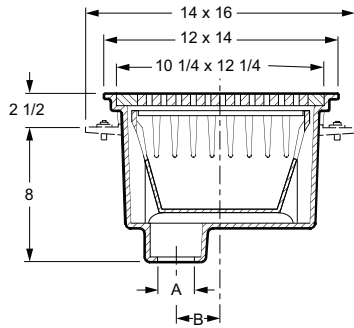
*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2473 MEDIUM DUTY TRAFFIC FLOOR DRAIN WITH OFFSET OUTLET, HINGED GRATE AND FREE STANDING SEDIMENT BUCKET



2473
Same as
2470 with
Flashing
Flange



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12 x 14"	47	2 1/2"	3,288.00	5,025.00	5,371.00	69
03"	12 x 14"	47	2 1/2"	3,288.00	5,025.00	5,371.00	69
04"	12 x 14"	47	2"	3,288.00	5,025.00	5,371.00	69
06"	12 x 14"	47	1"	3,288.00	5,025.00	5,371.00	69

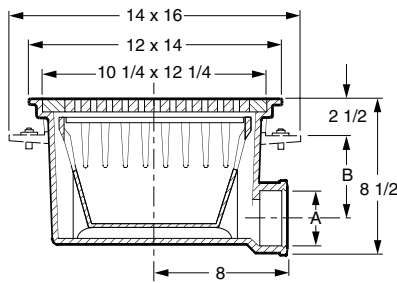
REGULARLY FURNISHED: Duco Cast Iron Body with Medium Duty Hinged Grate and Cast Iron Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C06	N/C
Threaded	T02, T03, T04, T06	120.00
No-Hub	Y02, Y03, Y04, Y06	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-AB Aluminum Bucket	587.00
-C Flashing Clamp	N/C
-FP Frost Proof Bucket	228.00
-G Galvanized CI	1,436.00
-M Ductile Iron Grate	955.00
-U Vandal Proof Screws	228.00

FIG. 2475 MEDIUM DUTY TRAFFIC FLOOR DRAIN W/SIDE OUTLET, HINGED GRATE AND FREE STANDING SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12 x 14"	47	4"	3,467.00	5,203.00	5,550.00	69
03"	12 x 14"	47	3 1/2"	3,467.00	5,203.00	5,550.00	69
04"	12 x 14"	47	3"	3,467.00	5,203.00	5,550.00	69

REGULARLY FURNISHED: Duco Cast Iron Body with Medium Duty Hinged Grate and Cast Iron Sediment Bucket.

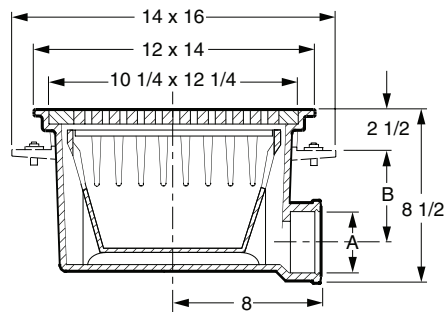
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C

OPTIONS:	ADD
-AB Aluminum Bucket	587.00
-FP Frost Proof Bucket	228.00
-G Galvanized CI	1,436.00
-M Ductile Iron Grate	955.00
-U Vandal Proof Screws	228.00

FIG. 2478 MEDIUM DUTY TRAFFIC FLOOR DRAIN W/SIDE OUTLET, HINGED GRATE AND FREE STANDING SEDIMENT BUCKET

2478
Same as
2475 with
Flashing
Flange



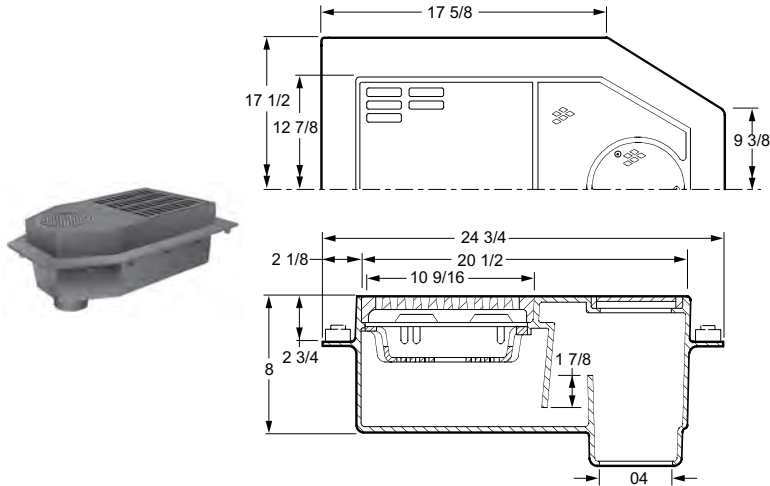
A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	+DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	12 x 14"	47	4"	4,065.00	5,800.00	6,147.00	95
03"	12 x 14"	47	3 1/2"	4,065.00	5,800.00	6,147.00	95
04"	12 x 14"	47	3"	4,065.00	5,800.00	6,147.00	95

REGULARLY FURNISHED: Duco Cast Iron Body with Medium Duty Hinged Grate and Cast Iron Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C

OPTIONS:	ADD
-AB Aluminum Bucket	587.00
-C Flashing Clamp	N/C
-FP Frost Proof Bucket	228.00
-G Galvanized CI	1,436.00
-M Ductile Iron Grate	955.00
-U Vandal Proof Screws	228.00



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

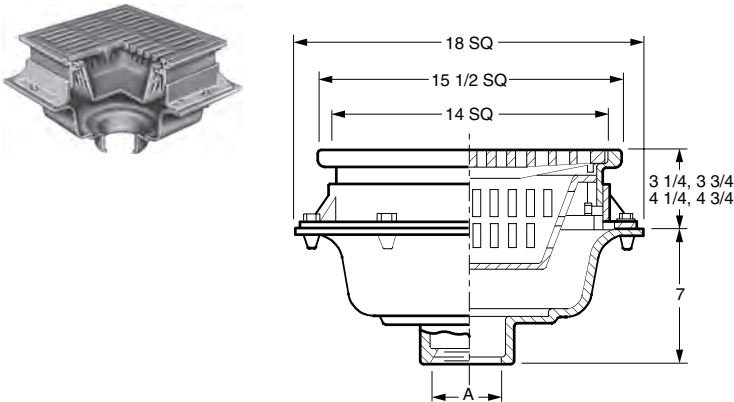
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C04	N/C

OPTIONS:		ADD
-C	Flashing Clamp	616.00
-CIB	Cast Iron Bucket	N/C
-G	Galvanized CI	2,492.00
-M	Ductile Iron Grate	955.00
-U	Vandal Proof Screws	228.00
-W	With Seepage Holes	232.00

OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	APPROX. WEIGHT LBS.
04"	13 1/2 x 20 1/2"	38.5	5,524.00	110

REGULARLY FURNISHED: Fabricated Steel Body with Acid Resistant Coating Inside and Outside with Heavy Duty Cast Iron Tractor Grate, Aluminum Sediment Bucket, and Secured Heavy Duty Cleanout Cover.

FIG. 2488 HEAVY DUTY TRAFFIC PACKING HOUSE FLOOR DRAIN



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

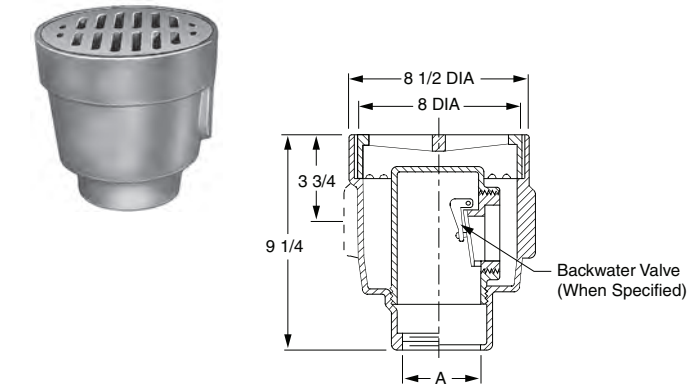
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04	N/C
Threaded	T03, T04	120.00
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:		ADD
-AB	Aluminum Bucket	587.00
-ARI	ARC Inside	2,499.00
-ARIO	ARC In and Out	2,782.00
-E	Adj Ext, 5 to 6 1/2"	2,246.00
-FBSCI	Flat Bottom Strainer	149.00
-G	Galvanized CI	2,640.00
-U	Vandal Proof Screws	228.00
		DEDUCT
-LB	Less Bucket	287.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI DI TOP	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	15 1/2"	63	4,892.00	6,883.00	6,985.00	105
05, 06"	15 1/2"	63	4,892.00	6,883.00	6,985.00	109

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Collar and Adjustable Top with Ductile Iron Grate and Cast Iron Sediment Bucket.

*REGULARLY FURNISHED



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	13	1,894.00	2,602.00	2,735.00	32

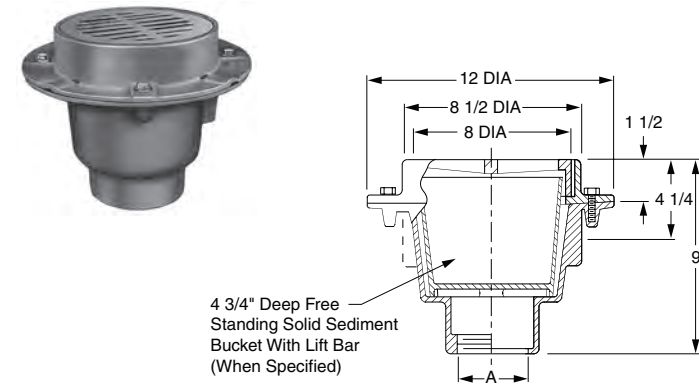
REGULARLY FURNISHED: Duco Cast Iron Body and ADA Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T03, T04	120.00
No-Hub	Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-B	Standing Slotted Bucket	298.00
-DBSCI	Dome Bottom Strainer, CI	373.00
-E	Extension, ea 2" or fract.	298.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-G	Galvanized CI	871.00
-H	Hinged Bar Grate (Light Duty)	396.00
	Hub Adaptor f/Aux Inlet	See Fig. 2645 for list add to THRD body price
-M	Ductile Iron Grate	332.00
-N2	2" NPT Aux Inlet, ea	536.00
-N15	1 1/2" NPT Aux Inlet, ea	536.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SB	Standing Solid Bucket	298.00
-SC	Solid Scoriated Cover	754.00
-SNB	Square NB Top, add to CI	1,461.00
-SPB	Square PB Top, add to CI	1,210.00
-TP	"T" Handle Closure Plug 02, 03" 04"	615.00 1,026.00
-U	Vandal Proof Grate	228.00
-V	Backwater Valve Assembly	955.00

FIG. 2495 HEAVY DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP, FLASHING FLANGE AND TRACTOR GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	13	2,116.00	2,823.00	2,983.00	40

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Flange and ADA Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-B	Standing Slotted Bucket	298.00
-DBSCI	Dome Bottom Strainer, CI	373.00
-E	Extension, ea 2" or fract.	298.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-G	Galvanized CI	871.00
-H	Hinged Bar Grate (Light Duty)	396.00
	Hub Adaptor f/Aux Inlet	See Fig. 2645 for list add to THRD body price
-M	Ductile Iron Grate	332.00
-N2	2" NPT Aux Inlet, ea	536.00
-N15	1 1/2" NPT Aux Inlet, ea	536.00
-S	Square Top (Add for CI only. For NB or PB, see below)	503.00
-SB	Standing Solid Bucket	298.00
-SNB	Square NB Top, add to CI	1,461.00
-SPB	Square PB Top, add to CI	1,210.00
-TP	"T" Handle Closure Plug 02, 03" 04"	615.00 1,026.00
-U	Vandal Proof Grate	228.00
-V	Backwater Valve Assembly	955.00

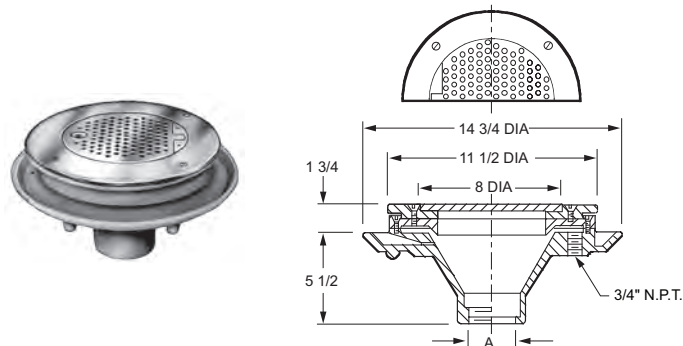
FLOOR DRAINS



FIG. 2500 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND HINGED PERFORATED GRATE - LIGHT DUTY/PEDESTRIAN TRAFFIC ONLY

LOAD RATING: Light duty load rating per ASME A112.6.3 Floor and Trench Drain Standard, Classification and Test Procedures for Grate Loading. All grate selections shall be based on the loading factor, anticipated traffic, drain location and other pertinent factors for the application. Loading classifications are static loads only and categorized into five classifications each having a given range. For the specific safe live static load rating of any grate, contact the Smith representative or factory direct. Pedestrian Traffic Only.

Light Duty is defined as having a Safe Live Static Load less than 2000 lbs.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI ARC IN PB TOP	DUCO CI ARC IN NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	11 1/2"	10	3,696.00	3,994.00	20

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-C Flashing Clamp	298.00
-SSB Stainless Steel Bucket	396.00

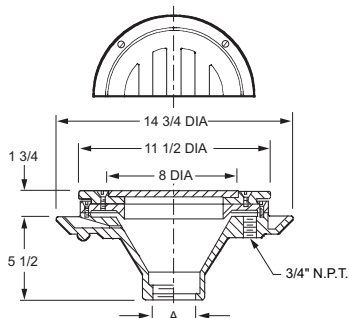
REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

FIG. 2501 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND LOOSE SET WIDE BAR GRATE - LIGHT DUTY/PEDESTRIAN TRAFFIC ONLY

LOAD RATING: Light duty load rating per ASME A112.6.3 Floor and Trench Drain Standard, Classification and Test Procedures for Grate Loading. All grate selections shall be based on the loading factor, anticipated traffic, drain location and other pertinent factors for the application. Loading classifications are static loads only and categorized into five classifications each having a given range. For the specific safe live static load rating of any grate, contact the Smith representative or factory direct. Pedestrian Traffic Only.

Light Duty is defined as having a Safe Live Static Load less than 2000 lbs.

**2501
Same as
2500
w/Loose Set Wide
Bar Grate**



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI ARC IN PB TOP	DUCO CI ARC IN NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	11 1/2"	18	4,144.00	4,442.00	20

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

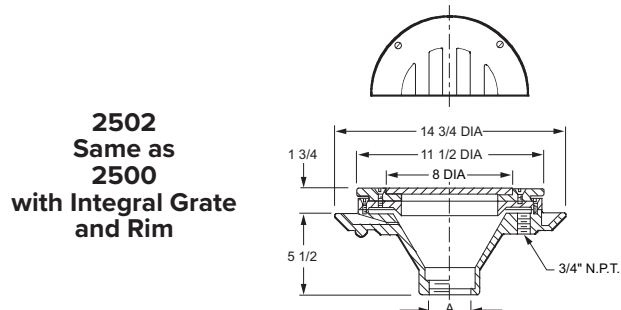
OPTIONS:	ADD
-C Flashing Clamp	298.00
-H Hinged Wide Bar Grate	232.00
-SEC Secured Grate	298.00
-SSB Stainless Steel Bucket	396.00

REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

FIG. 2502 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND INTEGRAL GRATE AND RIM - LIGHT DUTY/PEDESTRIAN TRAFFIC ONLY

LOAD RATING: Light duty load rating per ASME A112.6.3 Floor and Trench Drain Standard, Classification and Test Procedures for Grate Loading. All grate selections shall be based on the loading factor, anticipated traffic, drain location and other pertinent factors for the application. Loading classifications are static loads only and categorized into five classifications each having a given range. For the specific safe live static load rating of any grate, contact the Smith representative or factory direct. Pedestrian Traffic Only.

Light Duty is defined as having a Safe Live Static Load less than 2000 lbs.



**2502
Same as
2500
with Integral Grate
and Rim**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI ARC IN PB TOP	DUCO CI ARC IN NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	11 1/2"	17 1/2	3,858.00	4,156.00	20

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-C Flashing Clamp	298.00
-SSB Stainless Steel Bucket	396.00

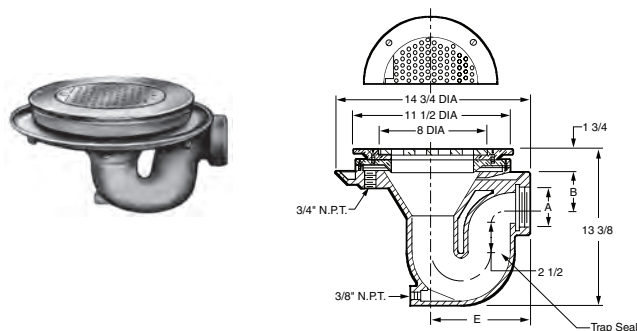
REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

*REGULARLY FURNISHED

FIG. 2505 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND HINGED PERFORATED GRATE - LIGHT DUTY/PEDESTRIAN TRAFFIC ONLY

LOAD RATING: Light duty load rating per ASME A112.6.3 Floor and Trench Drain Standard, Classification and Test Procedures for Grate Loading. All grate selections shall be based on the loading factor, anticipated traffic, drain location and other pertinent factors for the application. Loading classifications are static loads only and categorized into five classifications each having a given range. For the specific safe live static load rating of any grate, contact the Smith representative or factory direct. Pedestrian Traffic Only.

Light Duty is defined as having a Safe Live Static Load less than 2000 lbs.



REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to <u>THREADED</u> body price

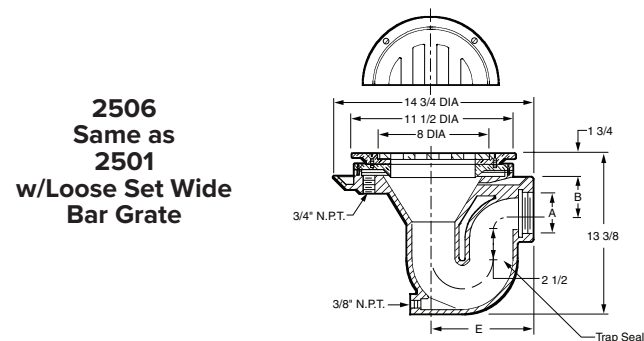
OPTIONS:	ADD
-C Flashing Clamp	298.00
-SSB Stainless Steel Bucket	396.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	E	DUCO CI ARC IN PB TOP	DUCO CI ARC IN †NB TOP	APPROX. WEIGHT LBS.
02"	11 1/2"	10	3 5/8"	10 1/2"	3,597.00	3,895.00	50
03"	11 1/2"	10	3 1/8"	10 1/2"	3,735.00	4,033.00	50
04"	11 1/2"	10	2 15/16"	9 1/2"	3,735.00	4,033.00	50

FIG. 2506 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND LOOSE SET WIDE BAR GRATE - LIGHT DUTY/PEDESTRIAN TRAFFIC ONLY

LOAD RATING: Light duty load rating per ASME A112.6.3 Floor and Trench Drain Standard, Classification and Test Procedures for Grate Loading. All grate selections shall be based on the loading factor, anticipated traffic, drain location and other pertinent factors for the application. Loading classifications are static loads only and categorized into five classifications each having a given range. For the specific safe live static load rating of any grate, contact the Smith representative or factory direct. Pedestrian Traffic Only.

Light Duty is defined as having a Safe Live Static Load less than 2000 lbs.



2506
Same as
2501
w/Loose Set Wide
Bar Grate

REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to <u>THREADED</u> body price

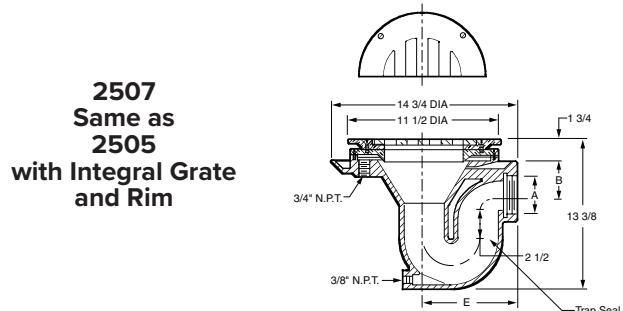
OPTIONS:	ADD
-C Flashing Clamp	298.00
-H Hinged Wide Bar Grate	232.00
-SSB Stainless Steel Bucket	396.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	E	DUCO CI ARC IN PB TOP	DUCO CI ARC IN †NB TOP	APPROX. WEIGHT LBS.
02"	11 1/2"	18	3 5/8"	10 1/2"	4,055.00	4,352.00	50
03"	11 1/2"	18	3 1/8"	10 1/2"	4,189.00	4,487.00	50
04"	11 1/2"	18	2 15/16"	9 1/2"	4,189.00	4,487.00	50

FIG. 2507 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND INTEGRAL GRATE AND RIM - LIGHT DUTY/PEDESTRIAN TRAFFIC ONLY

LOAD RATING: Light duty load rating per ASME A112.6.3 Floor and Trench Drain Standard, Classification and Test Procedures for Grate Loading. All grate selections shall be based on the loading factor, anticipated traffic, drain location and other pertinent factors for the application. Loading classifications are static loads only and categorized into five classifications each having a given range. For the specific safe live static load rating of any grate, contact the Smith representative or factory direct. Pedestrian Traffic Only.

Light Duty is defined as having a Safe Live Static Load less than 2000 lbs.



2507
Same as
2505
with Integral Grate
and Rim

REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to <u>THREADED</u> body price

OPTIONS:	ADD
-C Flashing Clamp	298.00
-SSB Stainless Steel Bucket	396.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	E	DUCO CI ARC IN PB TOP	DUCO CI ARC IN †NB TOP	APPROX. WEIGHT LBS.
02"	11 1/2"	17.5	3 5/8"	10 1/2"	3,763.00	4,061.00	50
03"	11 1/2"	17.5	3 1/8"	10 1/2"	3,900.00	4,198.00	50
04"	11 1/2"	17.5	2 15/16"	9 1/2"	3,900.00	4,198.00	50

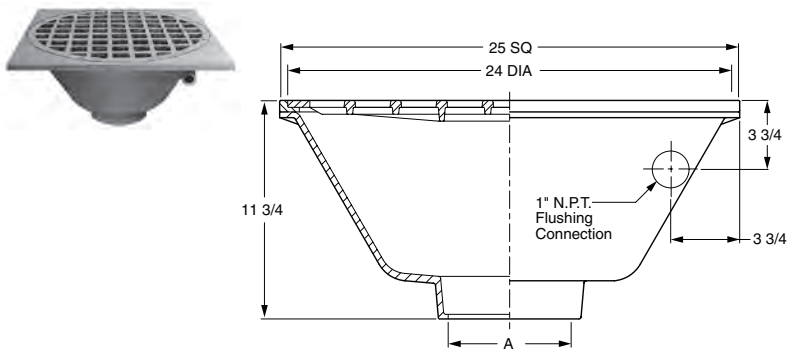
*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2508 LABORATORY AND ANIMAL DEN FLOOR DRAIN WITH SECURED GRATE



LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard.
For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI ARC IN PB TOP	DUCO CI ARC IN NB TOP	APPROX. WEIGHT LBS.
04, 06"	25" SQ.	205	19,390.00	25,219.00	118

REGULARLY FURNISHED: Duco Cast Iron Body with Acid Resistant Coated Interior, Nickel Bronze Top with Secured Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

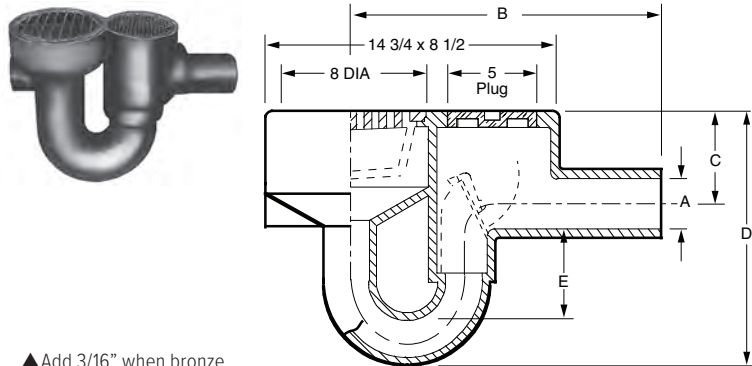
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C04, C06	N/C

OPTIONS:		ADD
-B	Sediment Bucket	1,805.00
-G	Galvanized CI	2,498.00
-SC	Solid Scoriated Cover	27,843.00
-U	Vandal Proof Grate	320.00

*NOTE: The potable water supply to which a flushing type drain is connected must be protected by a suitable vacuum breaker.

FIG. 2510 INTEGRAL TRAP AND FLOOR-LEVEL CLEANOUT DRAIN

LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard.
For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



▲Add 3/16" when bronze top is specified

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04	N/C

OPTIONS:		ADD
-B	"Safe-Set®" Sediment Bucket, CI	191.00
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,766.00
-DPB	Dome Grate, add to CI	1,541.00
-G	Galvanized CI	1,172.00
-H	Hinged Grate	396.00
-MBG	Ductile Iron Bucket & Grate	777.00
-N2	2" NPT Aux Inlet, ea	536.00
-N15	1 1/2" NPT Aux Inlet, ea	536.00
-P	Trap Primer Conn	255.00
-U	Vandal Proof Grate	228.00
-V	Backwater Valve, 02"	930.00
	03"	1,030.00
	04"	1,121.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	C	D	E SEAL	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	15 x 8"	14.24	16"	4 1/4"	11 3/4"	4"	1,956.00	3,048.00	3,147.00	40
03"	15 x 8"	14.24	15 3/4"	4"	13 1/2"	4 1/2"	3,078.00	4,171.00	4,270.00	52
04"	15 x 8"	14.24	16"	4 1/2"	15 3/4"	4 3/4"	3,231.00	4,323.00	4,422.00	72

REGULARLY FURNISHED: Duco Cast Iron Body and ADA Grate with Bronze Cleanout Plug.

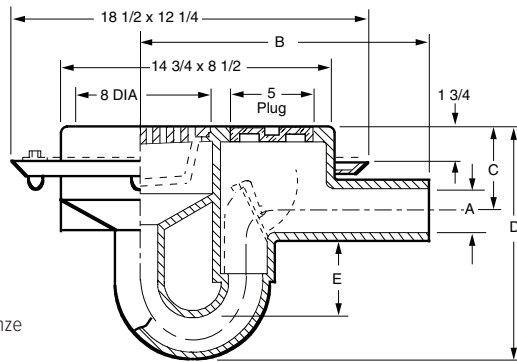
NOTE: When bucket is specified grate cannot be inserted unless bucket is put in place.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2515 INTEGRAL TRAP AND FLOOR-LEVEL CLEANOUT DRAIN

LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard.
For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



- ▲ Add 3/16" when bronze top is specified
- ▲ ▲ 2" size 18 3/4 x 12 1/2

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04	N/C

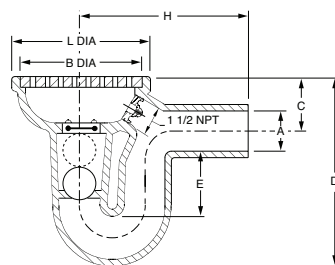
OPTIONS:		ADD
-B	"Safe-Set" Sediment Bucket, CI	191.00
-C	Flashing Clamp	355.00
-D	Dome Grate, CI	125.00
-DNB	Dome Grate, add to CI	1,766.00
-DPB	Dome Grate, add to CI	1,541.00
-H	Hinged Grate	396.00
-G	Galvanized CI	1,172.00
-MBG	Ductile Iron Bucket & Grate	777.00
-N2	2" NPT Aux Inlet, ea	536.00
-N15	1 1/2" NPT Aux Inlet, ea	536.00
-P	Trap Primer Conn	255.00
-U	Vandal Proof Grate	228.00
-V	Backwater Valve, 02"	930.00
	03"	1,030.00
	04"	1,121.00

NOTE: When bucket is specified grate cannot be inserted unless bucket is put in place

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B	C	D	E SEAL	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	15 x 8"	14.24	16"	4 1/4"	11 3/4"	4"	1,956.00	3,048.00	3,147.00	40
03"	15 x 8"	14.24	15 3/4"	4"	13 1/2"	4 1/2"	3,078.00	4,171.00	4,270.00	52
04"	15 x 8"	14.24	16"	4 1/2"	15 3/4"	4 3/4"	3,231.00	4,325.00	4,422.00	72

REGULARLY FURNISHED: Duco Cast Iron Body and ADA Grate with Bronze Cleanout Plug.

FIG. 2530 BALL FLOAT BACKWATER VALVE



- ▲ Add 1/4" when bronze top is specified

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04	N/C

OPTIONS:		ADD
-G	Galvanized CI	758.00
-SEC	Secured Grate	228.00
-U	Vandal Proof Grate	228.00
		DEDUCT
-LBWV	Less Backwater Valve	
	02"	149.00
	03, 04"	298.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	B DIA.	C	D	E SEAL	H	L DIA.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02"	8 1/4"	12	7 1/2"	3 1/4"	11"	4 1/2"	10 1/2"	8 1/4"	1,313.00	1,901.00	1,958.00	40
03"	10"	19.5	9 1/4"	4"	13 1/4"	4 1/2"	12"	10"	1,805.00	2,394.00	2,450.00	52
04"	12 1/2"	28.5	11 1/2"	4 1/2"	15"	4"	15 1/4"	12 1/2"	2,537.00	3,904.00	4,049.00	72

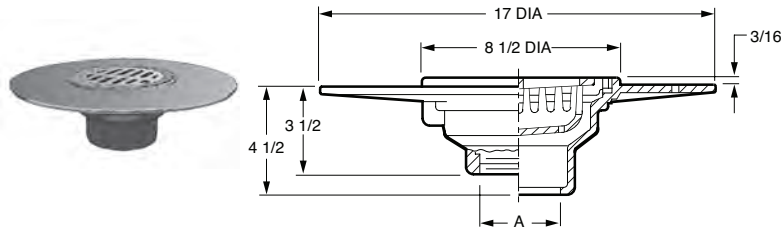
REGULARLY FURNISHED: Duco Cast Iron Body and Slotted ADA Grate with Ball Float Backwater Valve and Bronze Cleanout Plug.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. DX2565 FLOOR DRAIN WITH WIDE FLANGE BODY AND "SAFE-SET"™ BUCKET

LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard.
For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	9.25	2,176.00	2,859.00	3,017.00
					30

REGULARLY FURNISHED: Duco Cast Iron 4" Wide Flange Body with Bucket and Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

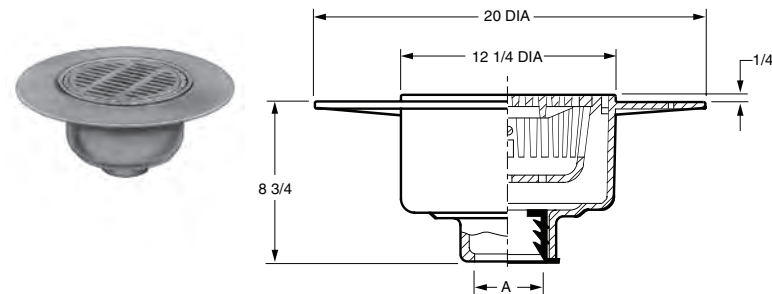
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-C Underdeck Clamp	355.00
-G Galvanized CI	1,063.00
-R Membrane Clamp	N/C
-SH Securing Holes	189.00
-U Vandal Proof Screws	228.00

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

FIG. DX2566 FLOOR DRAIN WITH WIDE FLANGE BODY AND "SAFE-SET"™ BUCKET

LOAD RATING: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard.
For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12 1/4"	25.25	3,144.00	4,156.00	4,315.00
05", 06"	12 1/4"	25.25	3,144.00	4,156.00	4,315.00
					68

REGULARLY FURNISHED: Duco Cast Iron 4" Wide Flange Body with Bucket and Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

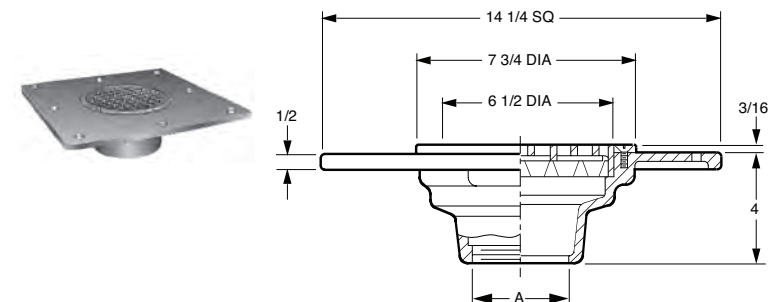
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-C Underdeck Clamp	376.00
-G Galvanized CI	1,491.000
-M Ductile Iron Grate	407.00
-R Membrane Clamp	N/C
-SH Securing Holes	189.00
-U Vandal Proof Screws	228.00

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

FIG. DX2568 SQUARE FLANGE FLOOR DRAIN WITH TRACTOR GRATE FOR WOOD DECK OR CONCRETE CONSTRUCTION

LOAD RATING: - Contact Factory



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	7 3/4"	12.5	1,812.00	2,168.00	31

REGULARLY FURNISHED: Duco Cast Iron Body with Nickel Bronze Tractor Grate and Rim.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

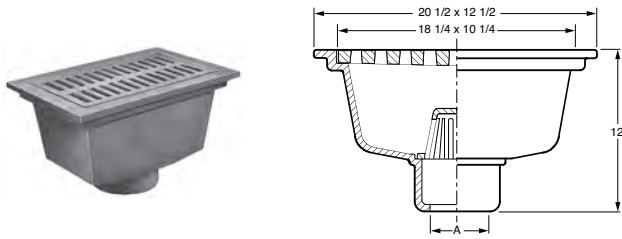
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-B Sediment Bucket	191.00
-C Underdeck Clamp	355.00
-G Galvanized CI	1,063.00
-U Vandal Proof Screws	228.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2570 HEAVY DUTY ROADWAY DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	APPROX. WEIGHT LBS.
03, 04"	20 1/2 x 12 1/2"	47	9,562.00	162
05, 06"	20 1/2 x 12 1/2"	47	9,562.00	162

REGULARLY FURNISHED: Duco Cast Iron Body with Loose Set Grate and Dome Bottom Strainer.

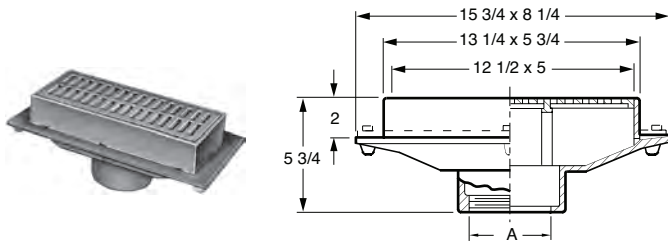
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C

OPTIONS:

		ADD
-B	Sediment Bucket	674.00
-G	Galvanized CI	5,135.00
-M	Ductile Iron Grate	3,078.00
-U	Vandal Proof Screws	373.00

FIG. 2585 GUTTER DRAIN WITH SECURED GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	13 x 6"	21.5	1,078.00	1,915.00	2,020.00	24

REGULARLY FURNISHED: Duco Cast Iron Body with Secured Grate.

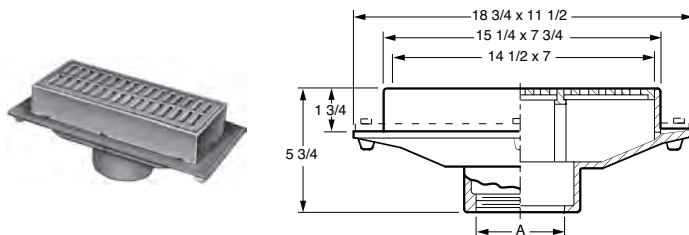
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04	N/C
Threaded	T03, T04	120.00
No-Hub	Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:

		ADD
-C	Flashing Clamp	261.00
-DBS	Alum Dome Bottom Strainer	183.00
-G	Galvanized CI	771.00
-M	Ductile Iron Grate	534.00
-U	Vandal Proof Screws	228.00

FIG. 2586 GUTTER DRAIN WITH SECURED GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	15 x 8"	31	1,950.00	3,319.00	3,475.00	43
05, 06"	15 x 8"	31	1,950.00	3,319.00	3,475.00	43

REGULARLY FURNISHED: Duco Cast Iron Body with Secured Grate.

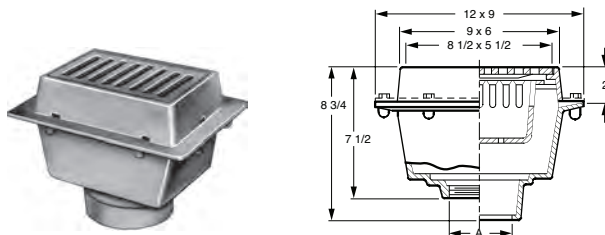
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
Threaded	T03, T04, T05, T06	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body price

OPTIONS:

		ADD
-C	Flashing Clamp	343.00
-G	Galvanized CI	921.00
-M	Ductile Iron Grate	543.00
-U	Vandal Proof Screws	228.00

FIG. 2589 FLOOR DRAIN WITH HINGED GRATE AND SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	9 x 6"	23	1,360.00	1,888.00	2,347.00	30

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate and Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

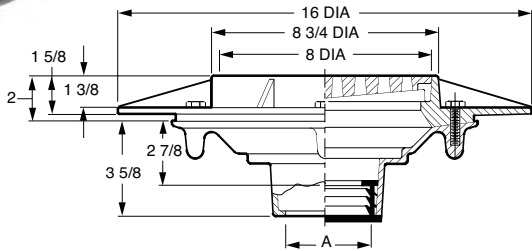
OPTIONS:

		ADD
-C	Flashing Clamp	N/C
-G	Galvanized CI	670.00
-M	Ductile Iron Grate	670.00
-U	Vandal Proof Screws	228.00

†REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2614 FLOOR DRAIN WITH HEAVY DUTY WIDE FLANGE FLASHING COLLAR



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 3/4"	14.25	1,894.00	2,577.00	2,735.00	34

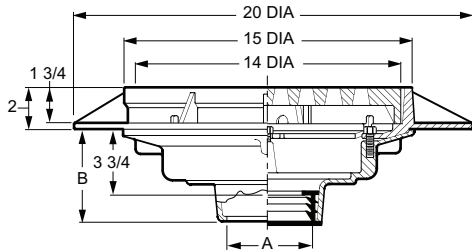
REGULARLY FURNISHED: Duco Cast Iron Body, Heavy Duty Wide Flange Flashing Collar with Heavy Duty Tractor Grate. Gasket Seal Between Body and Collar.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:	ADD
-DBS Dome Bottom Strainer, Aluminum	183.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	1,159.00
-M Ductile Iron Grate	332.00
-S Square Top (Add for CI only. For NB or PB, see below)	503.00
-SNB Square Top, add to CI	1,461.00
-SPB Square Top, add to CI	1,210.00
-U Vandal Proof Screws	228.00

FIG. 2624 FLOOR DRAIN WITH HEAVY DUTY WIDE FLANGE FLASHING COLLAR



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	15"	45	3,939.00	5,627.00	5,985.00	44
05, 06"	15"	45	3,939.00	5,627.00	5,985.00	44
08, 10"	16"	45	4,415.00	6,103.00	6,463.00	48

REGULARLY FURNISHED: Duco Cast Iron Body, Heavy Duty Wide Flange Flashing Collar with Heavy Duty ADA Tractor Grate. Gasket Seal Between Body and Collar.

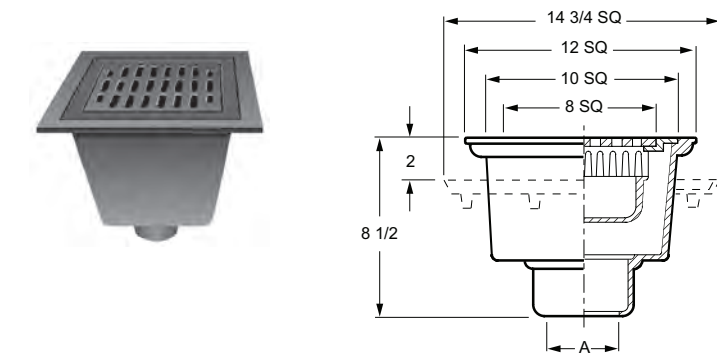
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06 C08, C10	5" 6"	N/C N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04, T05, T06 T08, T10	3 3/4" 5"	120.00 120.00
No-Hub	Y02, Y03, Y04, Y05, Y06 Y08, Y10	5" 6"	N/C N/C

OPTIONS:	ADD
-B Bucket	504.00
-C Underdeck Clamp	376.00
-DBSCI Dome Bottom Strainer, CI	149.00
-FBSCI Flat Bottom Strainer, CI	92.00
-G Galvanized CI	1,708.00
-M Ductile Iron Grate	1,026.00
-R Sump Receiver	418.00
-S Square Top (Add for CI only. For NB or PB, see below)	736.00
-SNB Square Top, add to CI	3,073.00
-SPB Square Top, add to CI	2,654.00
-U Vandal Proof Screws	228.00

FLOOR DRAINS

FIG. 2630 LIGHT DUTY HOPPER DRAIN WITH SEDIMENT BUCKET AND GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12" SQ.	23	1,916.00	3,424.00	3,716.00	30

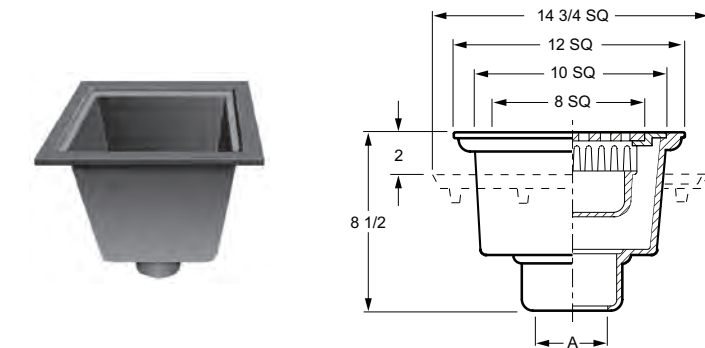
REGULARLY FURNISHED: Duco Cast Iron Body with Sediment Bucket and Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-BT	Bell Trap Assembly	276.00
-F	Flange, Cast Iron	572.00
-FC	Flange w/Flashing Clamp	903.00
-G	Galvanized CI	1,245.00
-M	Ductile Iron Grate	534.00
-MBG	Ductile Iron Bucket & Grate	828.00
-P	Trap Primer Connection	298.00
-U	Vandal Proof Screws	228.00
-12	Half Grate	189.00
-13	Three Quarter Grate	189.00

FIG. 2631 LIGHT DUTY HOPPER DRAIN WITH SEDIMENT BUCKET



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12" SQ.	23	1,612.00	2,685.00	2,803.00	30

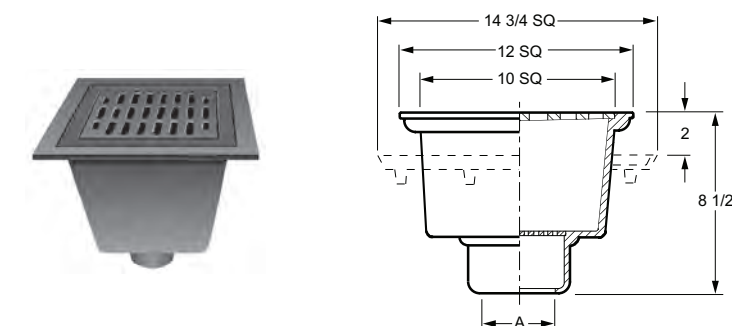
REGULARLY FURNISHED: Duco Cast Iron Body with Sediment Bucket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-BM	Ductile Iron Bucket	292.00
-F	Flange, Cast Iron	572.00
-FC	Flange w/Flashing Clamp	903.00
-G	Galvanized CI	1,172.00
-P	Trap Primer Connection	298.00

FIG. 2632 LIGHT DUTY HOPPER DRAIN WITH FLAT BOTTOM STRAINER AND GRATE



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12" SQ.	28	1,544.00	3,053.00	3,344.00	30

REGULARLY FURNISHED: Duco Cast Iron Body with Flat Bottom Strainer and Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

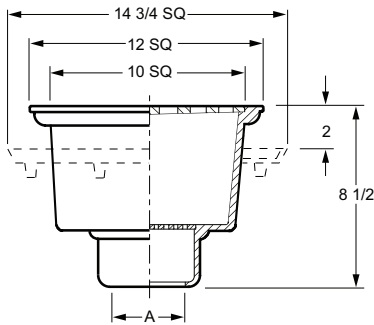
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-BT	Bell Trap Assembly	276.00
-DBS	Aluminum Dome Bottom Strainer	183.00
-F	Flange, Cast Iron	572.00
-FC	Flange w/Flashing Clamp	903.00
-G	Galvanized CI	1,172.00
-M	Ductile Iron Grate	534.00
-P	Trap Primer Connection	298.00
-U	Vandal Proof Screws	228.00
-12	Half Grate	189.00
-13	Three Quarter Grate	189.00

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2633 LIGHT DUTY HOPPER DRAIN WITH FLAT BOTTOM STRAINER



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

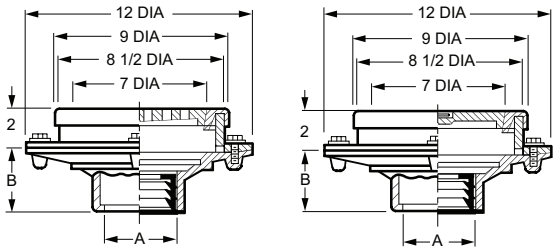
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-DBS	Alum Dome Bottom Strainer	183.00
-F	Flange, Cast Iron	572.00
-FC	Flange w/Flashing Clamp	903.00
-G	Galvanized CI	1,063.00
-P	Trap Primer Connection	298.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	12" SQ.	28	1,247.00	2,322.00	2,440.00	30

REGULARLY FURNISHED: Duco Cast Iron Body with Flat Bottom Strainer.

FIG. 2640 BLOOD AND WATER DRAINS



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

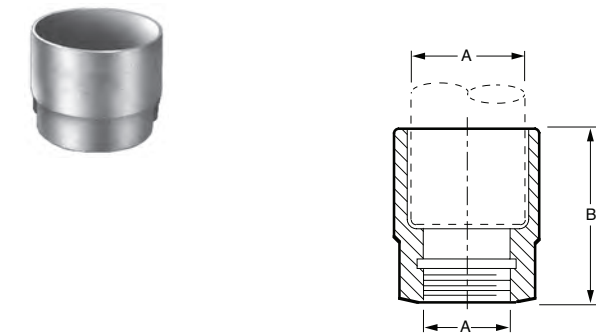
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	240.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C

OPTIONS:		ADD
-FBSCI	Flat Bottom Strainer, CI, ea	92.00
-G	Galvanized CI	1,315.00
-M	Ductile Iron Tops	842.00
-RB	RB Grate & Plug	3,485.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*DUCO CI GRATE & PLUG	DUCO CI W/BRZ GRATE & PLUG (RB)	DUCO CI W/NB GRATE & PLUG (RNB)	APPROX. WEIGHT LBS.
02, 03, 04"	9"	10.3	2,345.00	5,829.00	6,655.00	50

REGULARLY FURNISHED: Two (2) Duco Cast Iron Bodies with Flashing Collar and Bronze Rim, Cast Iron Grate and Ground Joint Plug.

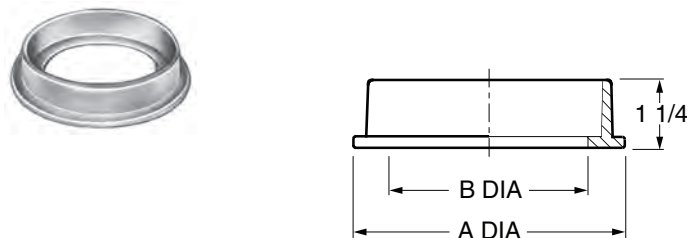
*REGULARLY FURNISHED



A OUTLET SIZE	B	*DUCO CI	ADD FOR: GALV CI (-G)	APPROX. WEIGHT LBS.
0125"	5"	232.00	158.00	5
0150, 02"	4"	232.00	158.00	5
0250"	4 3/4"	232.00	158.00	5
03"	4 1/2"	232.00	158.00	5
04"	4 3/4"	298.00	168.00	6
05"	5 1/2"	616.00	250.00	11
06"	5 1/2"	736.00	289.00	11

REGULARLY FURNISHED: Duco Cast Iron.

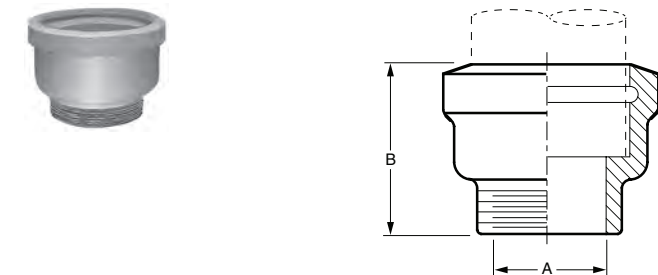
FIG. 2643 CAULK REDUCER



A DIA. x B DIA. OUTLET SIZE	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
03 X 02"	69.00	107.00	1
04 X 02"	86.00	122.00	2
04 X 03"	119.00	156.00	2
05 X 04"	149.00	186.00	3
06 X 04"	183.00	220.00	3
06 X 05"	215.00	252.00	6
08 X 06"	255.00	293.00	9

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 2645T HUB ADAPTOR-MALE THREAD

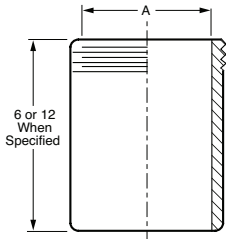


A OUTLET SIZE	B	*DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02"	4 1/2"	149.00	271.00	3
03"	4 1/2"	276.00	397.00	5
04"	4 1/2"	373.00	564.00	6
05"	4 1/2"	616.00	807.00	8
06"	4 1/2"	707.00	899.00	9
08"	4 1/2"	1,290.00	1,482.00	11

REGULARLY FURNISHED: Duco Cast Iron.

FLOOR DRAINS

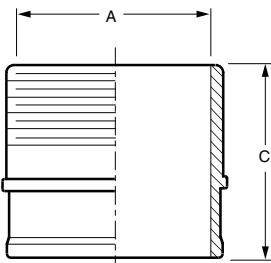
FIG. 2646S STRAIGHT SPIGOT ADAPTOR



A OUTLET SIZE	+DUCO CI 6" Lengths	GALV CI (-G) 6" Lengths	APPROX. WEIGHT LBS.	A OUTLET SIZE	+DUCO CI 12" Lengths (-2)	GALV CI 12" Lengths (-2-G)	APPROX. WEIGHT LBS.
02"	149.00	268.00	2	02"	305.00	424.00	3
03"	215.00	333.00	4	03"	625.00	744.00	4
04"	342.00	461.00	5	04"	712.00	831.00	5
05"	833.00	952.00	7	05"	928.00	1,047.00	14
06"	1,036.00	1,155.00	8	06"	1,103.00	1,222.00	17
08"	1,159.00	1,278.00	10	08"	1,277.00	1,396.00	
10"	1,383.00	1,502.00	12				
12"	1,728.00	1,847.00	15				

REGULARLY FURNISHED: Duco Cast Iron.

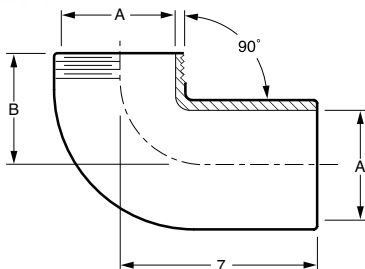
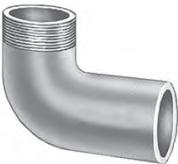
FIG. 2646Y NO-HUB ADAPTOR



A OUTLET SIZE	C	+DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.	A OUTLET SIZE	+DUCO CI 12" Lengths (-2)	GALV CI 12" Lengths (-2-G)	APPROX. WEIGHT LBS.
02"	2 3/4"	149.00	268.00	2	02"	305.00	424.00	3
03"	3"	215.00	333.00	4	03"	625.00	744.00	4
04"	3"	342.00	461.00	5	04"	712.00	831.00	5
05"	4"	833.00	952.00	7	05"	928.00	1,047.00	14
06"	4"	1,036.00	1,155.00	8	06"	1,103.00	1,222.00	17
08"	4 1/2"	1,159.00	1,278.00	10	08"	1,277.00	1,396.00	
10"	4 1/2"	1,383.00	1,502.00	12				
12"	5 1/2"	1,728.00	1,847.00	15				

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 2648S 90° SPIGOT ADAPTOR

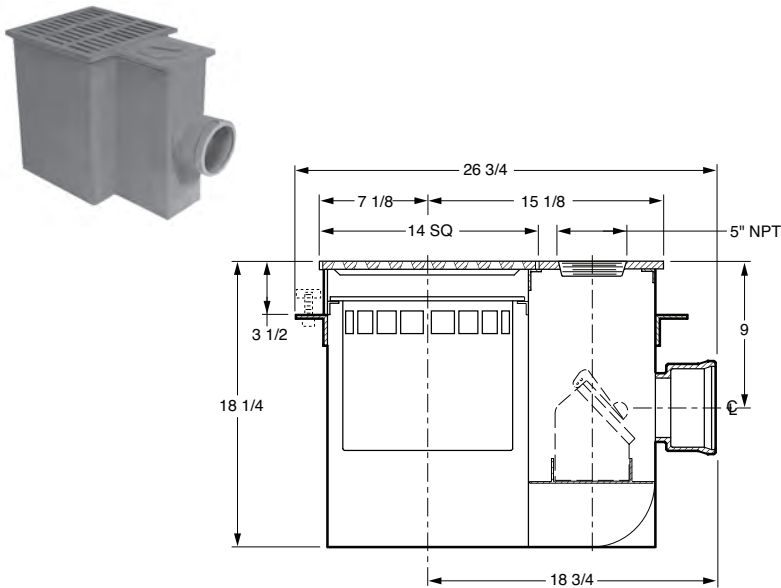


A OUTLET SIZE	B	+DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02"	3"	528.00	694.00	5
03"	3 1/2"	833.00	999.00	8
04"	4"	943.00	1,285.00	13
05"	4 1/2"	1,078.00	1,419.00	15
06"	5"	1,118.00	1,652.00	16

REGULARLY FURNISHED: Duco Cast Iron.

NOTE: When ordering with a bottom outlet drain to provide a side outlet spigot connection, the drain must be specified with a threaded outlet.

*REGULARLY FURNISHED



Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04	N/C
No-Hub	Y03, Y04	N/C

OPTIONS:		ADD
-F	Flashing Flange	N/C
-FC	Flange and Flashing Clamp	833.00
-U	Vandal Proof Screws	373.00
-V	Backwater Valve	1,514.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†GALV STL DI TOP	GALV STL PB TOP	GALV STL NB TOP	APPROX. WEIGHT LBS.
03, 04"	22 x 14"	63	24,868.00	30,447.00	31,075.00	100

REGULARLY FURNISHED: Galvanized Coated Fabricated Steel Body with Heavy Duty Ductile Iron Grate, Suspended Bucket and Bronze Cleanout Plug.

FIG. 2651 ECCENTRIC REDUCER, FIG. 2652 FACE REDUCER BUSHING

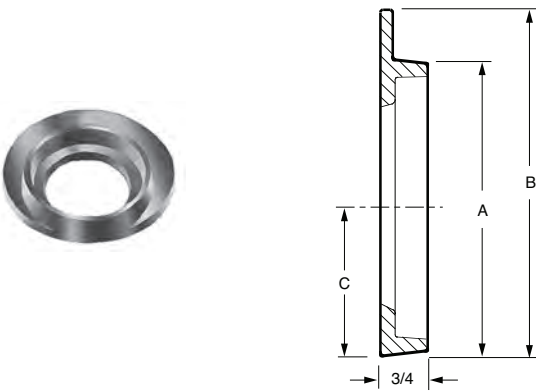


Fig. 2651

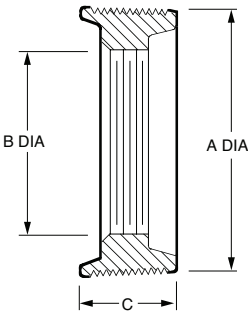


Fig. 2652

FIG. 2651 SIZE	A DIA.	B DIA.	C	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
03 x 02"	3"	4"	1 1/2"	69.00	107.00	1
04 x 03"	4 1/4"	5"	2"	136.00	174.00	2
05 x 04"	5 1/4"	6"	2 3/4"	156.00	193.00	3
06 x 05"	6 1/4"	7"	3"	224.00	261.00	6

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 2652 SIZE	A DIA.	B DIA.	C	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02 x 0150"	2"	1 1/2"	3/4"	125.00	163.00	1
03 x 02"	3"	2"	1 1/4"	153.00	189.00	2
04 x 02"	4"	2"	1 5/16"	166.00	204.00	3
04 x 03"	4"	3"	1 5/16"	166.00	204.00	6
05 x 04"	5"	4"	1 5/16"	215.00	252.00	7
06 x 04"	6"	4"	1 9/16"	215.00	252.00	8

FLOOR DRAINS

FIG. 2670, 2671 PLANTING AREA DRAINS FOR SMALL AREAS

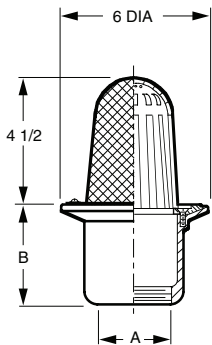


FIG. NO.	A OUTLET SIZE	B BODY DEPTH	FLANGE DIA.	FREE AREA	*DUCO CI BRZ DOME	ALL BRZ (BB)	APPROX. WEIGHT LBS.
2670	02, 03"	2"	6"	25	1,441.00	1,870.00	5
2671	02, 03"	4"	6"	25	2,023.00	2,532.00	7
2671	04"	4"	6"	25	2,522.00	3,870.00	9

REGULARLY FURNISHED: Duco Cast Iron Body, Bronze Flashing Clamp, Secured Bronze Dome with Stainless Steel Mesh Screen.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	N/C
Threaded (2670) (2671)	T02, T03 T02, T03, T04	N/C N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-G	Galvanized CI	259.00
-NBD	Nickel Bronze Dome	495.00
-PBD	Polished Bronze Dome	332.00
-U	Vandal Proof	86.00

FIG. 2673, 2674 PLANTING AREA DRAINS FOR SMALL AREAS

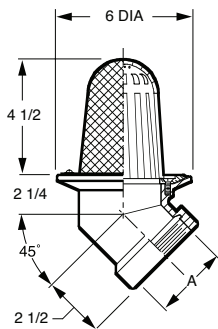


Fig. 2673

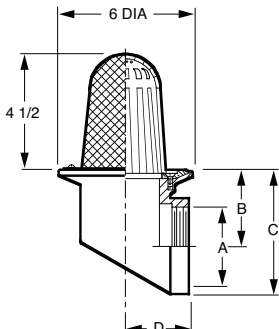


Fig. 2674

A OUTLET SIZE	FLANGE DIA.	B	C	D	FREE AREA	*DUCO CI BRZ DOME	ALL BRZ (BB)	APPROX. WEIGHT LBS.
02"	6"	2 1/2"	4"	2 1/2"	25	1,612.00	2,140.00	6
03"	6"	3"	5 1/4"	3"	25	2,048.00	2,951.00	7
04"	6"	3 1/2"	4"	6 1/4"	25	2,048.00	2,951.00	10

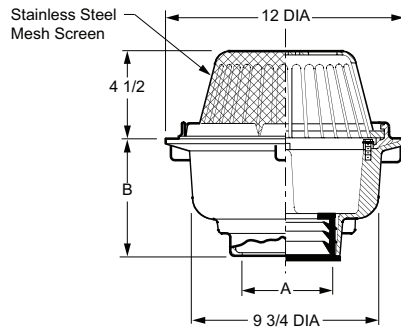
REGULARLY FURNISHED: Duco Cast Iron Body, Bronze Flashing Clamp, Secured Bronze Dome with Stainless Steel Mesh Screen.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-G	Galvanized CI	259.00
-NBD	Nickel Bronze Dome	495.00
-PBD	Polished Bronze Dome	332.00
-U	Vandal Proof	86.00

*REGULARLY FURNISHED



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ. IN.	†DUCO CI POLY DOME	DUCO CI BRZ DOME	APPROX. WEIGHT LBS.
02, 03"	12"	53	1,698.00	2,333.00	24
04, 05"	12"	53	1,698.00	2,333.00	28
06"	12"	53	1,698.00	2,333.00	29

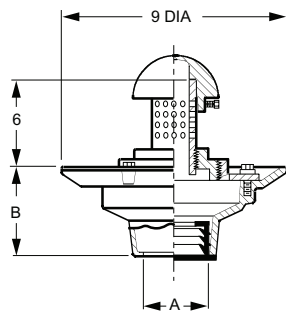
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing
Clamp with Polyethylene Dome and Stainless Steel Mesh Screen.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04, T05, T06	4 3/4"	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	N/C

OPTIONS:		ADD
-AD	Aluminum Dome	279.00
-BB	Bronze Body and Collar	5,775.00
-C2	Secondary Flashing Clamp	289.00
-CID	Cast Iron Dome	N/C
-E	Ext, ea inch or fraction	131.00
-G	Galvanized CI	615.00
-R	Sump Receiver	396.00
-U	Vandal Proof	178.00

FIG. 2680 PLANTING AREA DRAIN FOR LARGE AREAS



A OUTLET SIZE	STANDPIPE HEIGHT	†DUCO CI PB DOME	DUCO CI CP DOME	APPROX. WEIGHT LBS.
02, 03, 04"	6"	3,112.00	3,586.00	21

REGULARLY FURNISHED: Duco Cast Iron Body
and Flashing Clamp with Bronze Standpipe and Polished
Bronze Dome.

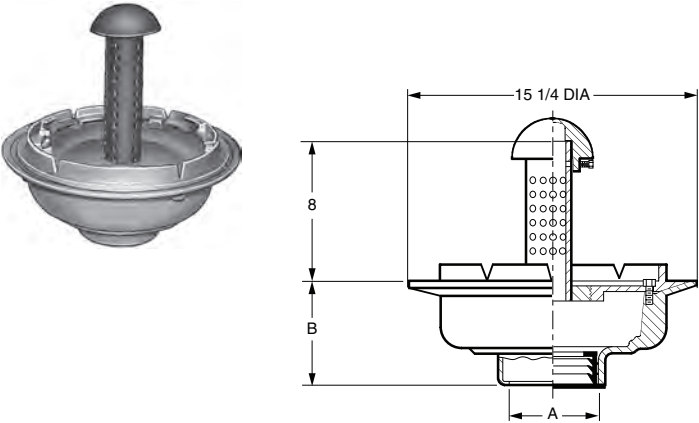
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	4"	N/C
Speedi-Set® SW	L02, L03, L04	4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	4"	N/C
Threaded	T02, T03, T04	3"	120.00
No-Hub	Y02, Y03, Y04	4"	N/C

OPTIONS:		ADD
-CPD	CP Dome & Standpipe	475.00
-G	Galvanized CI	305.00
-LS	Longer Standpipe over 6" per inch	149.00
-NBD	NB Dome, SS Standpipe	1,579.00
-SSM	SS Mesh over 6" Standpipe per inch over 6"	446.00
		72.00
		DEDUCT
-RBD	Rough Bronze Dome	72.00
-SP	Solid Standpipe	536.00

FLOOR DRAINS

FIG. 2685 PLANTING AREA DRAIN FOR LARGE AREAS



A OUTLET SIZE	STANDPIPE HEIGHT	†DUCO CI PB DOME	DUCO CI CP DOME	APPROX. WEIGHT LBS.
02, 03, 04"	8"	3,947.00	4,036.00	32

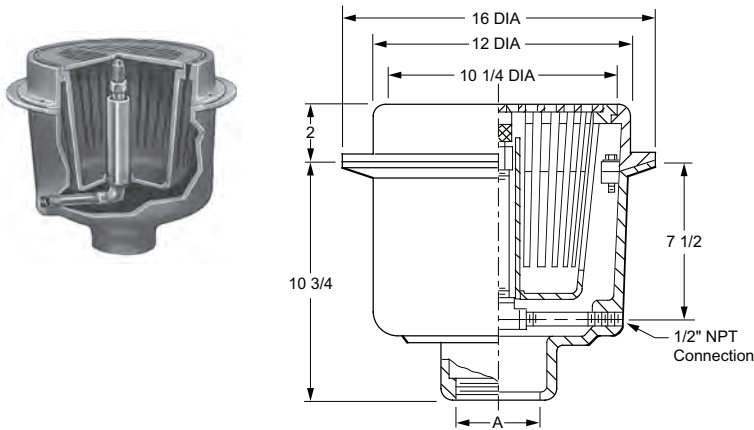
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Bronze 8" High Standpipe and Polished Bronze Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5"	N/C
Speedi-Set® SW	L02, L03, L04	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	N/C
Threaded	T02, T03, T04	3 3/4"	120.00
No-Hub	Y02, Y03, Y04	5"	N/C

OPTIONS:		ADD
-G	Galvanized CI	1,000.00
-LS	Longer Standpipe over 8" per inch	355.00
-NBD	NB Dome, SS Standpipe	2,115.00
-SSM	SS Mesh over 8" Standpipe per inch over 8"	615.00
		84.00
		DEDUCT
-RBD	Rough Bronze Dome	92.00
-SP	Solid Standpipe	536.00

FIG. 2690 COMBINATION GARBAGE CAN WASHER AND DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†GALV CI	GALV CI PB TOP	GALV CI NB TOP	APPROX. WEIGHT LBS.
03, 04"	12"	28.5	5,803.00	6,896.00	7,042.00	86
05, 06"	12"	28.5	5,803.00	6,896.00	7,042.00	86

REGULARLY FURNISHED: All Galvanized Cast Iron Body with Flashing Collar, Loose Set Grate, Sediment Bucket, Pipe Assembly with Chrome Plated Bronze Adjustable Spray Nozzle.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

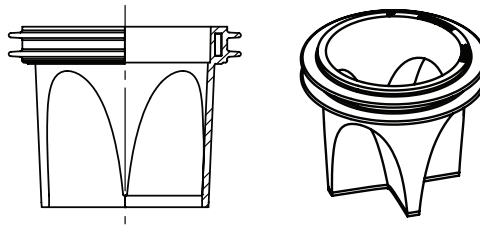
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
Threaded	T03, T04, T05, T06	120.00
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:		ADD
-BS	SS Mesh lined Bucket	736.00
-FBSCI	Flat Bottom Strainer, CI	92.00
-S	Square Top, CI only. For NB or PB, see below)	535.00
-SNB	Square Top, add to CI	1,993.00
-SPB	Square Top, add to CI	1,755.00
		DEDUCT
-CI	Duco Cast Iron	1,421.00

For Water Supply Control Box, See Fig. 3380 or 3385

†REGULARLY FURNISHED

FIG. NO.	PIPE SIZE	
2692-0150	1 1/2"	POA
2692-02	2"	POA
2692-03	3"	POA
2692-0350*	3 1/2"	POA
2692-04	4"	POA
2692-06	6"	POA

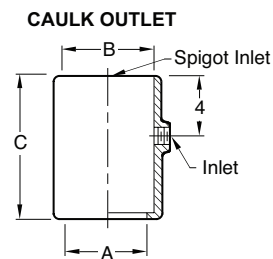
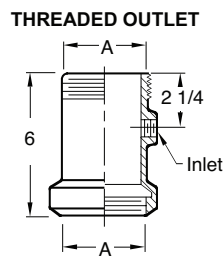
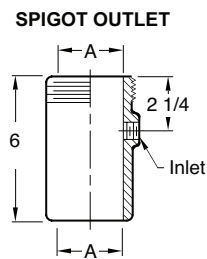


*A bucket cannot be used with the 2692-0350 or any other version used in a strainer head.

Patent No. 8,844,572

Refer to submittal for more information.

FIG. 2695 AUXILIARY INLET FITTINGS-SPIGOT OUTLET



INLET/OUTLET SIZE	AUXILIARY INLET SIZE*	†DUCO CI	GALV CI	APPROX. WEIGHT LBS.
02"	050, 075"	298.00	447.00	3
03"	050, 075"	298.00	447.00	6
04"	050, 075"	298.00	447.00	10

Fig. 2695S (Shown)

Fig. 2695Y Same as 2695S except spigot is sized for Service Weight and/or No-Hub

Fig. 2695Y-2 Same as 2695S except both ends are sized for Service Weight and/or No-Hub

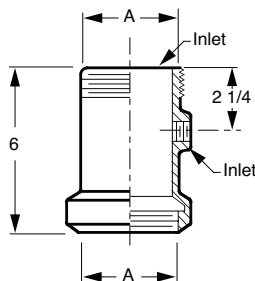
Fig. 2695Y-1 Same as 2695Y-2 except Inlet is not tapped for Trap Primer Connection

REGULARLY FURNISHED: Duco Cast Iron with 1/2" NPT Inlet Tapping.

*Specify P050 (1/2") or P075 (3/4") Auxiliary Inlet Size

FIG. 2696 AUXILIARY INLET FITTINGS-THREADED OUTLET

2696
Same as
2695 with
Threaded
Outlet



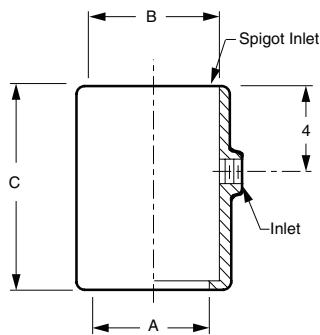
*Specify P050 (1/2") or P075 (3/4") Auxiliary Inlet Size

A OUTLET SIZE	AUXILIARY INLET SIZE*	†DUCO CI	GALV CI	APPROX. WEIGHT LBS.
02"	050, 075"	298.00	447.00	3
03"	050, 075"	298.00	447.00	6
04"	050, 075"	298.00	447.00	10

REGULARLY FURNISHED: Duco Cast Iron with 1/2" NPT Inlet Tapping.



2697
Same as
2695 with
Caulk Outlet



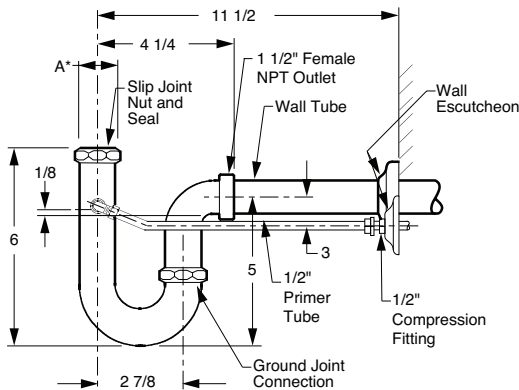
OPTIONS:		ADD
-N2	2" NPT Auxiliary Inlet (3" & 4" only)	536.00

INLET/ OUTLET SIZE	AUXILIARY INLET SIZE*	B	C	†DUCO CI	GALV CI	APPROX. WEIGHT LBS.
02"	050, 075"	3	7 1/2"	298.00	447.00	3
03"	050, 075"	4	7 1/2"	298.00	447.00	6
04"	050, 075"	4	8 1/2"	298.00	447.00	10

*Specify P050 (1/2") or P075 (3/4") Auxiliary Inlet Size

REGULARLY FURNISHED: Duct Cast Iron with 1/2" NPT Inlet
Tapping.

FIG. 2698 PRIME-EZE® WATER SAVER TRAP PRIMER



OPTIONS:	ADD
-ADA	89.00

INLET/ OUTLET SIZE	†17 GA CP SATIN BRONZE (-SF)	17 GA CP POLISHED BRONZE (-CP)	APPROX. WEIGHT LBS.
0150"	897.00	1,026.00	4

REGULARLY FURNISHED: Satin Chrome Plated
Cast Bronze P-trap with Ground Joint Connection and
Escutcheons, 1/2" Primer Tube with Compression Fitting
Connection at Wall.

* 1/4 and 1 1/2 slip joint nuts are provided to accommodate the appropriate fixture tail piece. Ground joint elbow is threaded 1 1/2 N.P.T.
** Invert of connection located 1/8" above static water level enabling "overflow" into primer tube when temporary head of water is created.

*REGULARLY FURNISHED

FLOOR DRAINS

FIG. 2699LF, FIG. 2699-1LF AUTOMATIC TRAP PRIMERS - LEAD FREE



FOR FIXTURES W/MIN. 2.5 GPM FLOW

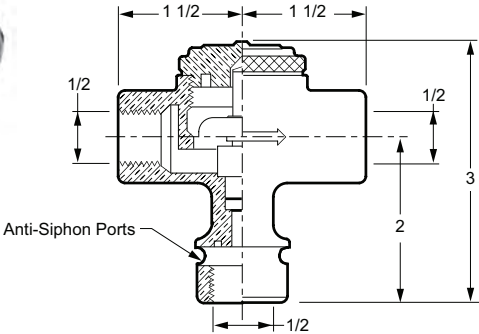


Fig. 2699

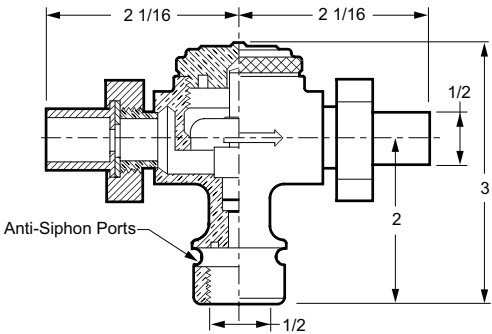


Fig. 2699-1

FIG. NO.	CONN. SIZE	†CAST BRONZE	CP BRONZE(-CP)	APPROX. WEIGHT LBS.
2699LF	1/2" NPT	791.00		3
2699-1LF	1/2" Sweat	791.00		3
2699CPLF	1/2" NPT		870.00	3
2699-1CPLF	1/2" Sweat		870.00	3

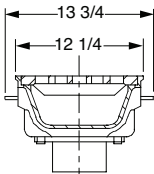
REGULARLY FURNISHED: Lead Free Cast Bronze with 1/2" Connection as indicated by Figure Number Selected.

COMPLIES with LEAD PLUMBING LAW
"CERTIFIED by IAPMO R & T"
FILE NO. 8477
(NSF/ANSI 372)

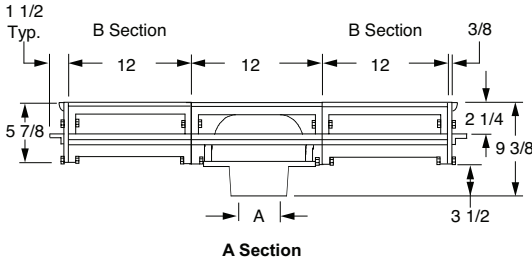


NOTE: MUST BE LOCATED IN AN ACCESSIBLE LOCATION.

FIG. 2710 WIDE HEAVY DUTY MODULAR TRENCH DRAIN



End Section View



A Section

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06, C08	N/C
No-Hub	Y03, Y04, Y05, Y06, Y08	N/C

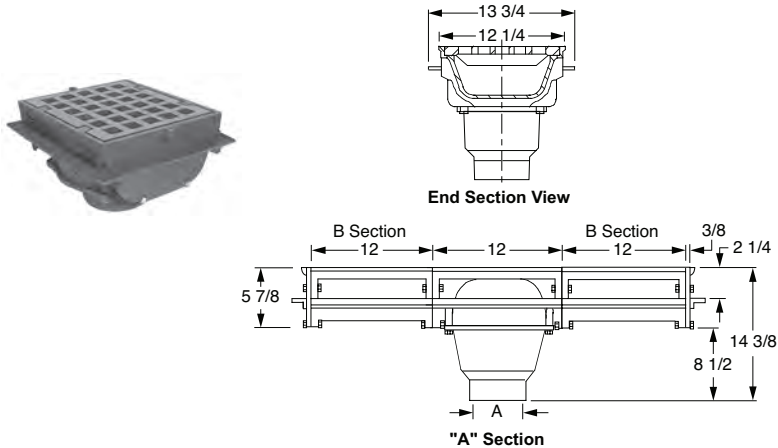
OPTIONS:		ADD "A" (Outlet) Per Section	ADD "B" (Add'l) Per Section
-ARIO	ARC In and Out	1,192.00	1,192.00
-C	Flashing Clamp	232.00	232.00
-DBSCI	Dome Bottom Strainer, CI	442.00	-
-EO	End Outlet	-	587.00
-G	Galvanized CI	1,000.00	1,000.00
-M	Ductile Iron Grate	1,110.00	1,110.00
-NBHP	Heelproof, add to CI	2,727.00	2,727.00
-PBHP	Heelproof, add to CI	2,492.00	2,492.00
-U	Vandal Proof Screws	373.00	373.00

NOTE: The above option prices are per section.

A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN. (EACH SECTION)	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04, 05"	12 x 12"	39.3	3,048.00	4,538.00	4,776.00	51
06, 08"	12 x 12"	39.3	3,048.00	4,538.00	4,776.00	
Ea Add'l 12" section			3,048.00	4,538.00	4,776.00	43

REGULARLY FURNISHED: Duco Cast Iron Flanged Body Outlet Section "A" and Flanged End Plate with Cast Iron Anti-Shift Loose Set Square Hole Grate.

Fig. 2710	"A" Section	
Fig. 2711	"A" Section	with (1) "B" Section
Fig. 2712	"A" Section	with (2) "B" Sections
Fig. 2713	"A" Section	with (3) "B" Sections
Fig. 2714	"A" Section	with (4) "B" Sections
Fig. 2715	"A" Section	with (5) "B" Sections
Fig. 2716	"A" Section	with (6) "B" Sections
Fig. 2717	"A" Section	with (7) "B" Sections
Fig. 2718	"A" Section	with (8) "B" Sections
Fig. 2719	"A" Section	with (9) "B" Sections
Fig. 2720	"A" Section	with (10) "B" Sections



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN. (EACH SECTION)	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
03, 04, 05"	12 x 12"	39.3	3,048.00	4,538.00	4,776.00	51
06"	12 x 12"	39.3	3,048.00	4,538.00	4,776.00	
Ea Add'l 12" section			3,048.00	4,538.00	4,776.00	43

REGULARLY FURNISHED: Duco Cast Iron Flanged Body Outlet Section "A" and Flanged End Plate with Cast Iron Anti-Shift Loose Set Square Hole Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

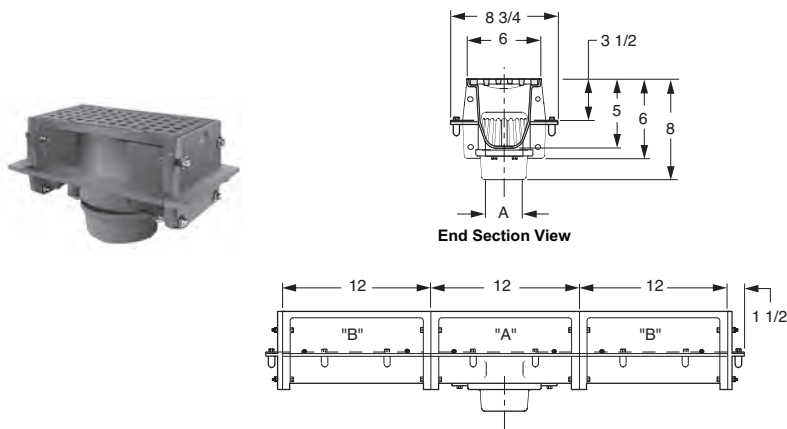
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	N/C
No-Hub	Y03, Y04, Y05, Y06	N/C

OPTIONS:		ADD "A" (Outlet) Per Section	ADD "B" (Add'l) Per Section
-ARIO	ARC In and Out	1,192.00	1,192.00
-B	Sediment Bucket	878.00	-
-C	Flashing Clamp	232.00	232.00
-DBSCI	Dome Bottom Strainer, CI	442.00	-
-EO	End Outlet	-	587.00
-G	Galvanized CI	1,000.00	1,000.00
-M	Ductile Iron Grate	1,110.00	1,110.00
-NBHP	Heelproof, add to CI	2,727.00	2,727.00
-PBHP	Heelproof, add to CI	2,492.00	2,492.00
-U	Vandal Proof Screws	373.00	373.00
-VCI	Backwater Valve, CI	1,461.00	-
-VG	Backwater Valve, Galv. CI	1,932.00	-

NOTE: The above option prices are per section.

Fig. 2710	"A" Section	
Fig. 2711	"A" Section	with (1) "B" Section
Fig. 2712	"A" Section	with (2) "B" Sections
Fig. 2713	"A" Section	with (3) "B" Sections
Fig. 2714	"A" Section	with (4) "B" Sections
Fig. 2715	"A" Section	with (5) "B" Sections
Fig. 2716	"A" Section	with (6) "B" Sections
Fig. 2717	"A" Section	with (7) "B" Sections
Fig. 2718	"A" Section	with (8) "B" Sections
Fig. 2719	"A" Section	with (9) "B" Sections
Fig. 2720	"A" Section	with (10) "B" Sections

FIG. 2810 NARROW HEAVY DUTY MODULAR TRENCH DRAIN



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN. (EACH SECTION)	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	6 x 12"	16	1,612.00	3,435.00	3,633.00	51
Ea Add'l 12" section			1,612.00	3,435.00	3,633.00	43

REGULARLY FURNISHED: Duco Cast Iron Flanged Body Outlet Section "A" and Flanged End Plates with Cast Iron Anti-Shift Loose Set Square Hole Grate, Dome Bottom Strainer.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:		ADD "A" (Outlet) Per Section	ADD "B" (Add'l) Per Section
-ARIO	ARC In and Out	1,192.00	1,192.00
-B	Bucket	449.00	-
-EO	End Outlet	-	587.00
-C	Flashing Clamp	245.00	245.00
-G	Galvanized CI	499.00	499.00
-M	Ductile Iron Grate	503.00	503.00
-SG	Slotted CI Grate	N/C	N/C
-U	Vandal Proof Screws	536.00	536.00

NOTE: The above option prices are per section.

Fig. 2810	"A" Section	
Fig. 2811	"A" Section	with (1) "B" Section
Fig. 2812	"A" Section	with (2) "B" Sections
Fig. 2813	"A" Section	with (3) "B" Sections
Fig. 2814	"A" Section	with (4) "B" Sections
Fig. 2815	"A" Section	with (5) "B" Sections
Fig. 2816	"A" Section	with (6) "B" Sections
Fig. 2817	"A" Section	with (7) "B" Sections
Fig. 2818	"A" Section	with (8) "B" Sections
Fig. 2819	"A" Section	with (9) "B" Sections
Fig. 2820	"A" Section	with (10) "B" Sections

*REGULARLY FURNISHED

OPTIONS:		ADD
-U	Vandal Proof (per grate)	425.00

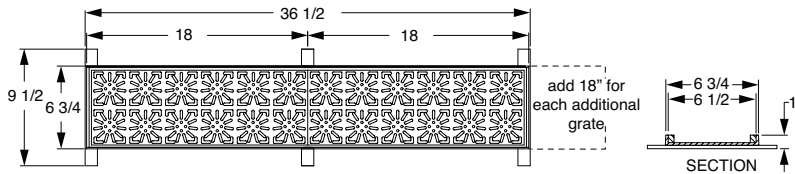


Fig. 2902 SHOWN

*This applies to continuous runs of frame & grates only.

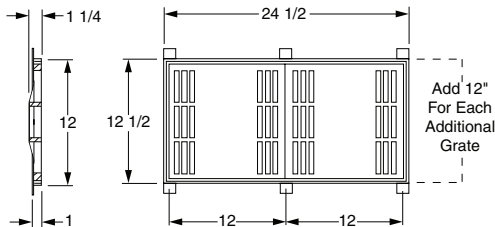
GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2900 GRATE ONLY	2901 GRATE W/ FRAME	2902 2 GRATES W/FRAME	*ADD'L GRATE & FRAME
RB	Rough Bronze	6 x 18"	29.5	1,568.00	2,817.00	5,415.00	2,580.00
PB	Polished Bronze	6 x 18"	29.5	1,694.00	3,270.00	5,864.00	2,790.00
NB	Nickel Bronze†	6 x 18"	29.5	1,906.00	3,433.00	6,551.00	3,121.00
Approx. Wt. Lbs.				12	15	32	15(ea)

Fig. 2900	1 Grate Only - 6 1/2 x 18
Fig. 2901	1 Grate with Frame - 6 3/4 x 18 1/2
Fig. 2902	2 Grates with Frame - 6 3/4 x 36 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

REGULARLY FURNISHED: Polished Nickel Bronze Grate and Stainless Steel Frame.

FIG. 2910 SERIES LIGHT DUTY TRENCH GRATING LAID IN LONG DIMENSION



OPTIONS:		ADD
-U	Vandal Proof Screws (per grate)	736.00
Add to cut Grate		442.00

*This applies to continuous runs of frame & grates only.

GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2910 GRATE ONLY	2911 GRATE w/FRAME	2912 2 GRATES w/FRAME	*ADD'L GRATE & FRAME
CI	Duco Cast Iron†	12 x 12"	61.5	567.00	1,525.00	2,353.00	828.00
G	Galvanized CI	12 x 12"	61.5	815.00	1,916.00	3,143.00	1,172.00
RB	Rough Bronze	12 x 12"	61.5	1,640.00	2,960.00	5,225.00	2,262.00
PB	Polished Bronze	12 x 12"	61.5	1,925.00	3,298.00	5,900.00	2,605.00
NB	Nickel Bronze	12 x 12"	61.5	2,104.00	3,639.00	6,581.00	2,936.00
Approx. Wt. Lbs.				18	34	68	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 12"		986.00	986.00	1,961.00	986.00

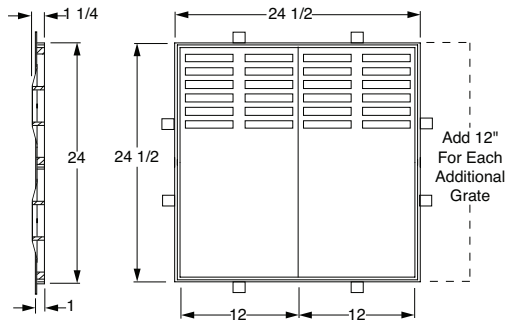
Fig. 2910	1 Grate Only - 12 x 12
Fig. 2911	1 Grate with Frame - 12 1/2 x 12 1/2
Fig. 2912	2 Grates with Frame - 12 1/2 x 24 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

FLOOR DRAINS

FIG. 2920 SERIES LIGHT DUTY TRENCH GRATING LAID IN WIDE DIMENSION



OPTIONS:		ADD
-U	Vandal Proof Screws, (per grate)	736.00
Add to cut Grate		442.00

GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2922 2 GRATES w/ FRAME	2923 3 GRATES w/ FRAME	2924 4 GRATES w/ FRAME	*ADD'L GRATE & FRAME
CI	Duco Cast Iron†	12 x 24"	69.5	4,315.00	5,744.00	7,176.00	1,430.00
G	Galvanized CI	12 x 24"	69.5	5,603.00	7,677.00	9,748.00	2,077.00
RB	Rough Bronze	12 x 24"	69.5	10,523.00	15,133.00	19,746.00	4,612.00
PB	Polished Bronze	12 x 24"	69.5	12,070.00	17,531.00	22,991.00	5,462.00
NB	Nickel Bronze	12 x 24"	69.5	13,108.00	18,943.00	24,778.00	5,834.00
Approx. Wt. Lbs.				69	98	132	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 24"		3,912.00	5,867.00	7,823.00	1,862.00

*This applies to continuous runs of frame & grates only.

Fig. 2922	2 Grates with Frame - 24 1/2 x 24 1/2
Fig. 2923	3 Grates with Frame - 24 1/2 x 36 1/2
Fig. 2924	4 Grates with Frame - 24 1/2 x 48 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

FIG. 2940 SERIES MEDIUM DUTY TRENCH GRATING LAID IN LONG DIMENSION

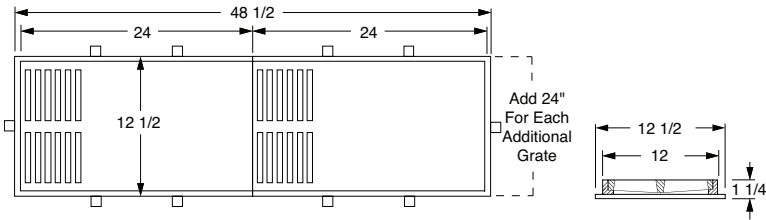


Fig. 2942 SHOWN

OPTIONS:		ADD
-U	Vandal Proof Screws, (per grate)	736.00
Add to cut Grate		442.00

GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2940 GRATE ONLY	2941 GRATE w/ FRAME	2942 2 GRATES w/ FRAME	*ADD'L GRATE & FRAME
CI	Duco Cast Iron†	12 x 24"	69.5	1,129.00	3,062.00	4,721.00	1,660.00
G	Galvanized CI	12 x 24"	69.5	3,271.00	5,204.00	9,230.00	4,027.00
RB	Rough Bronze	12 x 24"	69.5	4,217.00	7,492.00	12,403.00	4,914.00
PB	Polished Bronze	12 x 24"	69.5	5,049.00	8,565.00	14,468.00	5,905.00
NB	Nickel Bronze	12 x 24"	69.5	5,355.00	9,130.00	15,503.00	6,369.00
Approx. Wt. Lbs.				69	98	132	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 24"		1,956.00	1,956.00	3,912.00	1,956.00

*This applies to continuous runs of frame & grates only.

Fig. 2940	1 Grate Only - 12 x 24
Fig. 2941	1 Grate with Frame - 12 1/2 x 24 1/2
Fig. 2942	2 Grates with Frame - 12 1/2 x 48 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

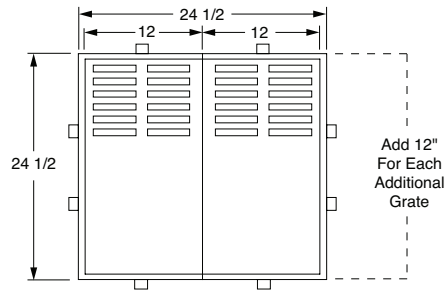


Fig. 2952 SHOWN

OPTIONS:		ADD
-U	Vandal Proof Screws, (per grate)	736.00
Add to cut Grate		442.00

GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2952 2 GRATES w/ FRAME	2953 3 GRATES w/ FRAME	2954 4 GRATES w/ FRAME	*ADD'L GRATE & FRAME
CI	Duco Cast Iron*	12 x 24"	69.5	5,646.00	8,240.00	10,833.00	2,592.00
G	Galvanized CI	12 x 24"	69.5	9,417.00	14,655.00	18,369.00	4,474.00
RB	Rough Bronze	12 x 24"	69.5	14,714.00	21,934.00	29,160.00	7,223.00
PB	Polished Bronze	12 x 24"	69.5	16,992.00	25,408.00	33,824.00	8,416.00
NB	Nickel Bronze	12 x 24"	69.5	18,289.00	27,445.00	36,600.00	9,156.00
Approx. Wt. Lbs.				69	98	132	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 24"		3,912.00	5,865.00	7,823.00	1,956.00

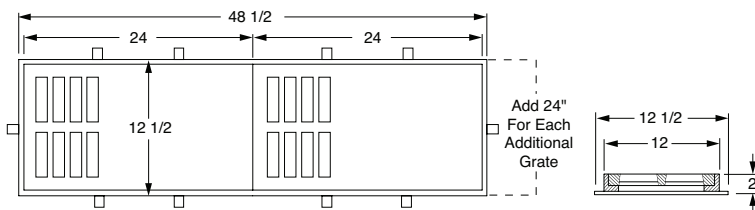
*This applies to continuous runs of frame & grates only.

Fig. 2952	2 Grates with Frame - 24 1/2 x 24 1/2
Fig. 2953	3 Grates with Frame - 24 1/2 x 36 1/2
Fig. 2954	4 Grates with Frame - 24 1/2 x 48 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

FIG. 2970 SERIES HEAVY DUTY TRENCH GRATING LAID IN LONG DIMENSION



OPTIONS:		ADD
-U	Vandal Proof Screws, (per grate)	736.00
Add to cut Grate		563.00

GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2970 1 GRATE ONLY	2971 1 GRATE w/ FRAME	2972 2 GRATES w/ FRAME	*ADD'L GRATE & FRAME
CI	Duco Cast Iron*	12 x 24"	123	1,988.00	4,126.00	7,194.00	3,069.00
G	Galvanized CI	12 x 24"	123	4,390.00	6,529.00	11,706.00	5,180.00
RB	Rough Bronze	12 x 24"	123	6,862.00	11,886.00	21,204.00	9,321.00
PB	Polished Bronze	12 x 24"	123	7,922.00	12,982.00	24,201.00	11,217.00
NB	Nickel Bronze	12 x 24"	123	8,417.00	14,215.00	26,247.00	12,032.00
Approx. Wt. Lbs.				69	98	132	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 24"		2,114.00	2,114.00	4,228.00	2,114.00

*This applies to continuous runs of frame & grates only.

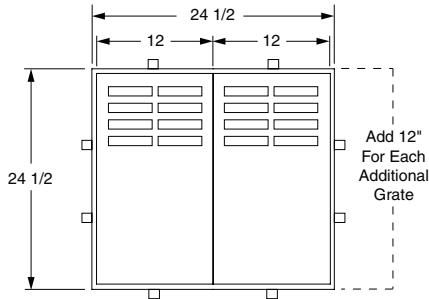
Fig. 2970	1 Grate only - 12 x 24
Fig. 2971	1 Grate with Frame - 12 1/2 x 24 1/2
Fig. 2972	2 Grates with Frame - 12 1/2 x 48 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

FLOOR DRAINS

FIG. 2980 SERIES HEAVY DUTY TRENCH GRATING LAID IN WIDE DIMENSION



OPTIONS:		ADD
-U	Vandal Proof Screws, (per grate)	1,462.00
Add to cut Grate		563.00

*This applies to continuous runs of frame & grates only.

Fig. 2982	2 Grates with Frame - 24 1/2 x 24 1/2
Fig. 2983	3 Grates with Frame - 24 1/2 x 36 1/2
Fig. 2984	4 Grates with Frame - 24 1/2 x 48 1/2

NOTE: When ordering, last digit designates number of grates (if more than 9 grates - specify total number of grates and overall length).

GRATE MATERIAL		GRATE SIZE	SINGLE GRATE FREE AREA SQ. IN.	2982 2 GRATES w/FRAME	2983 3 GRATES w/FRAME	2984 4 GRATES w/FRAME	*ADD'L GRATE & FRAME
CI	Duco Cast Iron†	12 x 24"	123	5,990.00	8,591.00	11,197.00	2,606.00
G	Galvanized CI	12 x 24"	123	10,502.00	15,791.00	20,809.00	5,367.00
RB	Rough Bronze	12 x 24"	123	17,894.00	25,331.00	32,779.00	7,443.00
PB	Polished Bronze	12 x 24"	123	20,588.00	29,306.00	38,025.00	8,721.00
NB	Nickel Bronze	12 x 24"	123	22,453.00	31,885.00	41,320.00	9,434.00
Approx. Wt. Lbs.				69	98	132	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 24"	123	4,226.00	6,339.00	8,454.00	2,114.00

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

SANITARY FLOOR, AREA & INDIRECT WASTE DRAINS



STAINLESS STEEL SANI-CEPTOR®

SANI-CEPTOR® WITH NICKEL BRONZE TOPS



Fig. 3001



Fig. DX3001



Fig. 3001NB



Fig. 3020



Fig. DX3027



Fig. 3030



Fig. 3040



Fig. 3060



Fig. DX3068



Fig. 3100



Fig. 3110



Fig. 3140



Fig. 3200



Fig. 3250



Fig. 3300



Fig. 3320



Fig. 3365



Fig. 3371



Fig. 3380



Fig. 3385



Fig. 3402



Fig. 3410



Fig. 3420



Fig. 3450



Fig. 3460



Fig. 3470



Fig. 3482

OPTIONAL TOP GRATES AND COVERS FOR INDIRECT WASTE APPLICATIONS



SUFFIX -11
With Rim Less Grate



SUFFIX -12
1/2 Grate



SUFFIX -13
3/4 Grate



SUFFIX -14
Grate/Center Hole



SUFFIX -15
w/Aluminum Recessed Grate



SUFFIX -18
Angle Grate



SUFFIX -19
NB Rim/Hinged Grate



SUFFIX -21
Grate w/4" Dia. Funnel



SUFFIX -22
Grate w/6" Dia. Funnel



SUFFIX -25
Grate 8 1/4 x 3 1/4 x 4 1/2
Oval Funnel



SUFFIX -26
Grate 6 x 2 1/2 x 1
Oval Funnel



SUFFIX -41
Solid Cover

SANITARY FLOOR, AREA & INDIRECT WASTE DRAINS



Fig. 3510



Fig. 3515



Fig. 3520



Fig. 3530



Fig. 3540



SUFFIX -F13



SUFFIX -F20



SUFFIX -F25



SUFFIX -F30



SUFFIX -F37



SUFFIX -F40



Fig. 3580



Fig. 3581



Fig. 3590



Fig. 3591



Fig. 3610



Fig. 3620



Fig. 3650



Fig. 3660



Fig. 3710



Fig. 3720



Fig. 3750



Fig. 3760



Fig. 3810

FUNNELS



Fig. 3820



Fig. 3950



Fig. 3951



Fig. 3960

"ROOF-CEPTORS"



Fig. 3980

ORDERING GUIDELINES



3000 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

3120C04 (-FBS-C-U-12)

Figure No. _____

Type of Outlet (Caulk) _____

Pipe Size (Inches) _____

Aluminum Flat Bottom Strainer _____

Flashing Clamp _____

Vandal Proof _____

With NB Rim and 1/2 Grate _____

Drain Outlet Types:

C Caulk Outlet
 T Threaded Outlet
 Y NO-HUB Outlet
 L Speedi-Set® Service Weight
 (02, 03 & 04" sizes only)
 LXH Speedi-Set® Extra Heavy
 (02, 03 & 04" sizes only)
 BW Butt Weld Outlet
 (Specify Schedule -5, -10 or -40)
 Example: 3001BW04 (-40)

Example: Pipe Size (Inches)

02 - 2"
 03 - 3"
 04 - 4"
 etc.

SANITARY FLOOR, AREA & INDIRECT WASTE DRAINS TECHNICAL DATA SECTION



PLUMBING CODE REQUIREMENTS

Indirect waste pipe is defined as a pipe that does not connect directly to the waste system but conveys liquid waste by discharging into a plumbing fixture (indirect waste receptor, floor sink, or similar code approved fixture) which is directly connected to the waste system. This installation provides an air gap which prevents contamination of food handling and other equipment required by code to be indirectly connected. Most code authorities require the receptor to have smooth, easy to clean corrosion-resistant interior surfaces. **Regular floor or hopper drains do not conform to these requirements because they have rough interiors with pockets and crevices which can harbor dirt and bacteria. These unsanitary conditions can spread disease, create unpleasant odors, and endanger human lives.**

SMITH DEVELOPMENT

In the early 1960's, Smith developed a complete line of **Sanitary Indirect Waste Receptor Drains** for installation in non-traffic areas. The interiors of the receptors had large radius corners, were ground smooth, and had an acid resistant coating applied making them easy to clean. A full line of dome strainers, sediment buckets, partial grates, covers, and funnels was developed. **There was a Smith Sanitary Indirect Waste Receptor Drain for every need. All conformed to the requirements of the most demanding plumbing codes.**

Fig. 1



A view of the acid resistant coating facility located in the modern Smith factory

A demand developed for these Sanitary Indirect Waste Receptor Drains to be installed in traffic areas. Smith responded with a complementary line of **Sanitary Floor and Area Drains**. Hundreds of thousands of these sanitary drains have been installed throughout the nation and in many foreign countries. This success led to the trademarked brand names **Sani-Ceptor**, **Funnel-Ceptor** and **Roof-Ceptor** to identify the expanded product lines.

Through the years, Smith has found a growing need for an even more rugged, durable and corrosion-resistant **SANI-CEPTOR**. Again leading the way, **Smith engineers have developed a STAINLESS STEEL SANI-CEPTOR**. Today there is a body type and size available for every requirement and a top design for every need. **This wide selection, coupled with the Smith catalog numbering system, permits the specifier to "custom design" the SANI-CEPTOR to suit the individual needs of the particular application at mass production costs.**

SANI-CEPTOR® USAGE

SANI-CEPTORS used as **sanitary indirect waste receptors** are required by modern plumbing codes in buildings where food is handled or processed such as restaurants, cafeterias, food markets and food processing plants. **SANI-CEPTORS**

used as **sanitary floor and area drains** are essential in locations where human life could be endangered due to lack of sanitation such as hospitals, nursing and convalescent homes, clinic rooms and laboratories; also food processing plants such as dairies, creameries and breweries.

These vital areas must be kept absolutely clean because the function which they serve is connected with the health and well-being of people. **When sanitation, durability and longevity are considered, SANI-CEPTORS® are the most cost effective drains for most applications.**

HOW TO SELECT A "SANI-CEPTOR"®

Analyze the requirements in the following categories:

- Selection of Materials
- Selection of Receptor/Body
- Selection of Internal Strainers and Buckets
- Selection of Tops
- Selection of Special Application Items
- Selection of Materials

Smith SANI-CEPTORS® are constructed in two basic types:

- 1) 14 Gauge type 304 stainless steel -SS body, SS internal strainers and buckets, and SS or Nickel Bronze tops.
- 2) Heavy cast iron body with acid resistant coated (A.R.C.) interior, aluminum internal strainers and buckets and nickel bronze or A.R.C. tops.

Stainless steel SANI-CEPTORS® are seamless deep drawn and fabricated from 14 gauge type 304 stainless steel sheet. This heavy metal assures a rugged product. Type 304 SS is one of the most corrosion-resistant of the widely used stainless steels. For even greater corrosion resistance to certain chemicals, type 316 SS is offered as an optional material.

Strainers and Buckets for A.R.C. SANI-CEPTORS® are furnished in light weight corrosion resistant aluminum because dropping a heavy cast iron strainer or bucket could chip or damage the coating causing almost irreparable damage. **Stainless Steel** SANI-CEPTORS® are furnished with SS strainers and buckets. Since there is no coating to chip or damage, this potential problem is eliminated.

SS Tops or NB Rims and Grates are available for traffic areas and indirect waste applications. Both have excellent corrosion resistant qualities and are extremely serviceable where food waste and food acids are encountered. Neither will discolor like brass or bronze and both offer a "lasting" silver appearance. The polishing of a terrazzo floor and the "scuff-buff" action of foot traffic passing over a SS or NB top will actually add to its appearance. A.R.C. SANI-CEPTORS® are available with cast iron grates and tops for non-traffic areas.

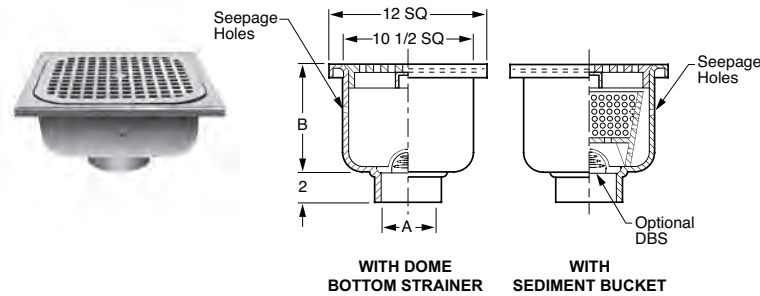
NOTE: For additional Sanitary Floor, Area and Indirect Waste drain technical or application data go to our web site at www.jrsmith.com or contact your local Jay R. Smith Representative.

SANITARY DRAINS

FIG. 3001 SERIES SANI-CEPTOR® SS FLOOR, AREA & INDIRECT WASTE DRAINS WITH SS SQUARE TOPS
FIG. 3001NB SERIES SANI-CEPTOR® SS FLOOR, AREA & INDIRECT WASTE DRAINS WITH NB SQUARE TOPS



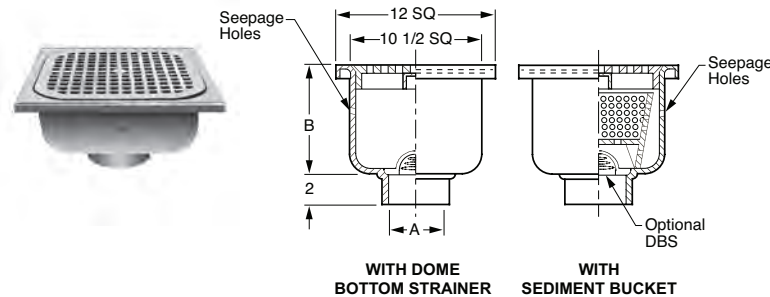
3001 SERIES



REGULARLY FURNISHED:

3001 Series: 14 Gauge Type 304 SS Receptor Body with Seepage Control Holes, Cast Type 316 SS Ribbed Non-Tilt Loose Set ADA Grate with 1/2" Square Holes. Perforated SS Dome Bottom Strainer or Sediment Bucket as indicated by Figure Number. Body Interior, Dome Bottom Strainer and Sediment Bucket are polished to No. 4 finish.

3001 SERIES



REGULARLY FURNISHED:

3001NB Series: 14 Gauge Type 304 SS Receptor Body with Seepage Control Holes, 12 1/2" SQ NB Rim and Secured Ribbed Grate with 1/2" Square Holes. Perforated SS Dome Bottom Strainer or Sediment Bucket as indicated by Figure Number. Body Interior, Dome Bottom Strainer and Sediment Bucket are polished to No. 4 finish.

FIG. NO. w/DOME STRAINER	A OUTLET SIZE	B SUMP DEPTH	TOP SIZE	†LESS FLANGE	WITH FLANGE	APPROX. WEIGHT LBS.
3001	02, 03, 04"	4"	12" SQ	POA	POA	14
3002	02, 03, 04"	6"	12" SQ	POA	POA	17
3003	02, 03, 04"	8"	12" SQ	POA	POA	20
3004	02, 03, 04"	10"	12" SQ	POA	POA	23
3001NB	02, 03, 04"	4"	12 1/2" SQ	POA	POA	18
3002NB	02, 03, 04"	6"	12 1/2" SQ	POA	POA	21
3003NB	02, 03, 04"	8"	12 1/2" SQ	POA	POA	24
3004NB	02, 03, 04"	10"	12 1/2" SQ	POA	POA	27
FIG. NO. w/SEDIMENT BUCKET	A OUTLET SIZE	B SUMP DEPTH	TOP SIZE	†LESS FLANGE	WITH FLANGE	APPROX. WEIGHT LBS.
3006	02, 03, 04"	4"	12" SQ	POA	POA	16
3007	02, 03, 04"	6"	12" SQ	POA	POA	19
3008	02, 03, 04"	8"	12" SQ	POA	POA	22
3009	02, 03, 04"	10"	12" SQ	POA	POA	25
3006NB	02, 03, 04"	4"	12 1/2" SQ	POA	POA	20
3007NB	02, 03, 04"	6"	12 1/2" SQ	POA	POA	23
3008NB	02, 03, 04"	8"	12 1/2" SQ	POA	POA	26
3009NB	02, 03, 04"	10"	12 1/2" SQ	POA	POA	29

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
No-Hub	Y02, Y03, Y04,	POA
Butt Weld	BW02, BW03, BW04 (Schedule -5)	POA
	BW02, BW03, BW04 (Schedule -10)	POA
	BW02, BW03, BW04 (Schedule -40)	POA

OPTIONS:

	ADD
-P	Trap Primer Connection
-U	Vandal Proof Grate
-T	Male or Female Threaded Outlet
-316	Type 316 Stainless Steel Bodies and Grates

Anchor Flange (-F) Models:

-C	Flashing Clamp (Type 304)	POA
-LSH	Less Seepage Control Holes	POA

Models w/Secured NB Grate:

-U	Vandal Proof Grate	POA
----	--------------------	-----

Models w/Buckets:

-BS	With Mesh Lined Bucket	POA
-DBS	With Type 304 SS Dome Bottom Strainer	POA
-SBP	With Solid Bottom Ported Bucket	POA

MODELS WITH 12" STAINLESS STEEL TOPS (All Type 304- Type 316 POA)

		DEDUCT
-10	Less Stainless Steel Grate	POA

		ADD
-12	With Type 304 SS 1/2 Grate	POA
-13	With Type 304 SS 3/4 Grate	POA
-14	With Type 304 SS Grate with 2 1/2" SQ Center Hole	POA
-15	With Type 304 SS Recessed Grate with Bar Handle	POA
-21	With Type 304 SS Grate with 4" DIA NB Funnel	POA
-22	With Type 304 SS Grate with 6" DIA NB Funnel	POA
-25	With Type 304 SS Grate with 8 1/4 x 3 1/4 x 4 1/2" High Oval NB Funnel	POA
-26	With SS Grate With 6" x 2 1/2 x 1" High Oval NB Funnel	POA
-41	With Type 304 SS Solid Cover	POA
-42	With Type 304 SS 1/2 Solid Cover	POA
-43	With Type 304 SS 3/4 Solid Cover	POA
-44	With Type 304 SS Solid Cover w/2 1/2" SQ Center Hole	POA
-61	With Type 304 SS Heelproof Ribbed Loose-set Grate with 1/4" Square Holes	POA
-63	With Type 304 SS Medium Duty Ribbed Loose-set Non-tilt Grate with 1/4" Square Holes	POA
-64	With Type 304 SS Heavy Duty Ribbed Loose-set Non-tilt Grate with 1/2" Square Holes	POA
-66	With Type 304 SS Extra Heavy Duty Ribbed Loose-set Non-tilt Grate with 1/2" Square Hole	POA
-68	With Type 304 SS Extra Heavy Duty Ribbed Loose-set Non-tilt 3/4 Grate with 1/2" Square Holes	POA

MODELS WITH 12 1/2" NICKEL BRONZE TOPS (SUFFIX NB)

		DEDUCT
-10	Less NB Rim and Grate	POA
-11	With NB Rim less Grate	POA

		ADD
-12	With NB Rim and 1/2 Grate	POA
-13	With NB Rim and 3/4" Grate	POA
-14	With NB Rim and Grate with 2 1/2" SQ Center Hole	POA
-15	With NB Rim and Aluminum Recessed Grate	POA
-18	With NB Rim and Angle Grate	POA
-21	With NB Rim and Grate with 4" DIA NB Funnel	POA
-22	With NB Grate with 6" DIA NB Funnel	POA
-25	With NB Rim and Grate with 8 1/4 x 3 1/4 x 4 1/2 High Oval NB Funnel	POA
-26	With NB Rim and Grate with 6 x 2 1/2 x 1" High Oval NB Funnel	POA
-41	With NB Rim and Solid Cover	POA
-42	With NB Rim and 1/2 Solid Cover	POA
-43	With NB Rim and 3/4 Solid Cover	POA
-44	With NB Rim and 2 1/2" DIA Hole in Solid Cover	POA

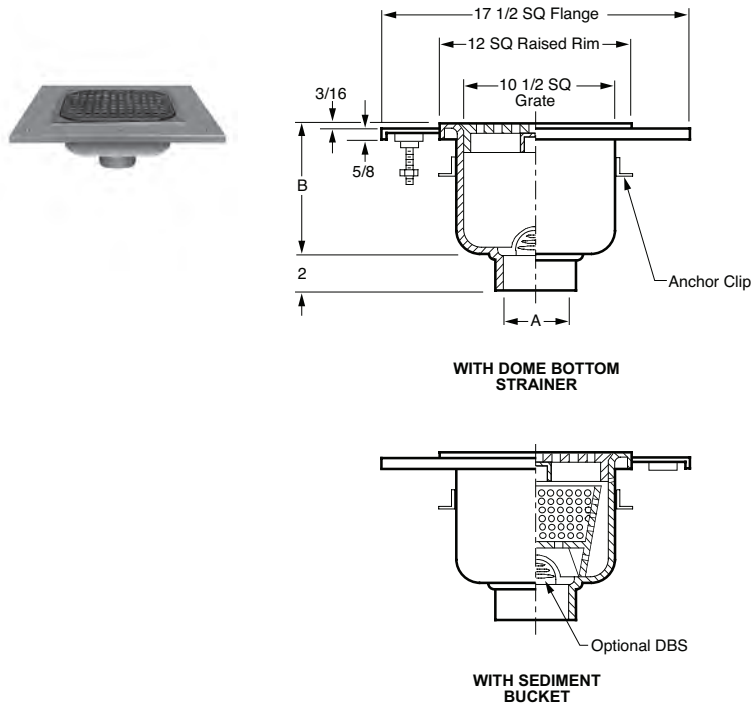


FIG. NO. w/DOME STRAINER	A OUTLET SIZE	B SUMP DEPTH	†SS SQUARE FLANGE	APPROX. WEIGHT LBS.
DX3001	02, 03, 04"	4"	POA	29
DX3002	02, 03, 04"	6"	POA	32
DX3003	02, 03, 04"	8"	POA	35
DX3004	02, 03, 04"	10"	POA	38
FIG. NO. w/SEDIMENT BUCKET	A OUTLET SIZE	B SUMP DEPTH	†SS SQUARE FLANGE	APPROX. WEIGHT LBS.
DX3006	02, 03, 04"	4"	POA	29
DX3007	02, 03, 04"	6"	POA	32
DX3008	02, 03, 04"	8"	POA	35
DX3009	02, 03, 04"	10"	POA	38

REGULARLY FURNISHED: 14 Gauge Type 304 SS Receptor Body with Reinforced Stainless Steel Square Flange set 3/16" Below Rim and Cast Type 316 SS Ribbed Non-Tilt Loose Set Grate with 1/2" Square Holes. Flange has Glass Blast Finish for Bond Coat Adhesion and Countersunk Anchoring Holes. Body is Provided with Anchor Clips. Perforated SS Dome Bottom Strainer or Sediment Bucket is Indicated by Figure Number. Body Interior, Dome Bottom Strainer and Sediment Bucket are polished to No. 4 finish.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
No-Hub	Y02, Y03, Y04,	POA
Butt Weld	BW02, BW03, BW04 (Schedule -5)	POA
	BW02, BW03, BW04 (Schedule -10)	POA
	BW02, BW03, BW04 (Schedule -40)	POA

OPTIONS:	ADD
-AB With 1/4 x 2 1/2 SS Anchor Bolts	POA
-AS With 1/4 x 2 1/2 SS Anchor Screws	POA
-FT With Flange Top Set 3/8" or 1/2" Below Top of Rim and Grate	POA
-P Trap Primer Connection	POA
-U Vandal Proof Grate	POA
-SG With Screed Guide	POA
-T Male or Female Threaded Outlet	POA
-316 Type 316 Stainless Steel Bodies and Grates	POA

Anchor Flange (-F) Models:

-C Flashing Clamp (Type 304)	POA
-LSH Less Seepage Control Holes	POA

Models w/Buckets:

-BS With Mesh Lined Bucket	POA
-DBS With Type 304 SS Dome Bottom Strainer	POA
-SBP With Solid Bottom Ported Bucket	POA

MODELS WITH 12" STAINLESS STEEL TOPS (All Type 304- Type 316 POA)

DEDUCT		
-10	Less Stainless Steel Grate	POA
ADD		
-12	With Type 304 SS 1/2 Grate	POA
-13	With Type 304 SS 3/4 Grate	POA
-14	With Type 304 SS Grate with 2 1/2" SQ Center Hole	POA
-15	With Type 304 SS Recessed Grate with Bar Handle	POA
-21	With Type 304 SS Grate with 4" DIA NB Funnel	POA
-22	With Type 304 SS Grate with 6" DIA NB Funnel	POA
-25	With Type 304 SS Grate with 8 1/4 x 3 1/4 x 4 1/2" High Oval NB Funnel	POA
-26	With SS Grate With 6" x 2 1/2 x 1" High Oval NB Funnel	POA
-41	With Type 304 SS Solid Cover	POA
-42	With Type 304 SS 1/2 Solid Cover	POA
-43	With Type 304 SS 3/4 Solid Cover	POA
-44	With Type 304 SS Solid Cover w/2 1/2" SQ Center Hole	POA
-61	With Type 304 SS Heelproof Ribbed Loose-set Grate with 1/4" Square Holes	POA
-63	With Type 304 SS Medium Duty Ribbed Loose-set Non-tilt Grate with 1/4" Square Holes	POA
-64	With Type 304 SS Heavy Duty Ribbed Loose-set Non-tilt Grate with 1/2" Square Holes	POA
-66	With Type 304 SS Extra Heavy Duty Ribbed Loose-set Non-tilt Grate with 1/2" Square Hole	POA
-68	With Type 304 SS Extra Heavy Duty Ribbed Loose-set Non-tilt 3/4 Grate with 1/2" Square Holes	POA

SANITARY DRAINS

FIG. 3020 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ROUND NICKEL BRONZE TOP
FIG. 3030 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ROUND NICKEL BRONZE TOP

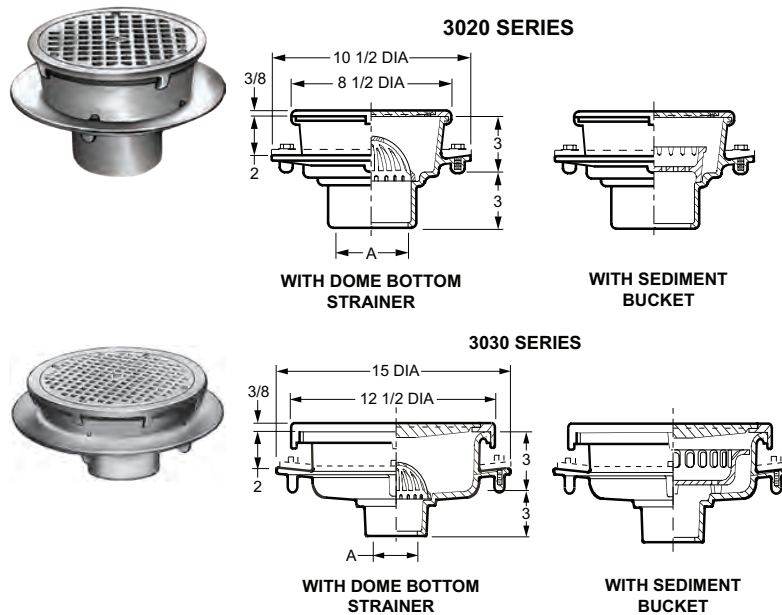


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3020	02, 03, 04"	8 1/2"	17.35	2,814.00	-	15
3021	02, 03, 04"	8 1/2"	17.35	-	3,159.00	16
**3030	02, 03, 04"	12 1/2"	30	4,104.00	-	23
**3031	02, 03, 04"	12 1/2"	30	-	4,599.00	24

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Grate. Aluminum Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

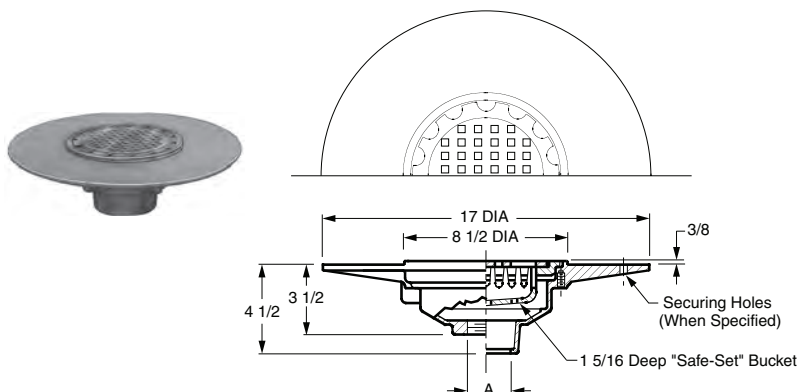
**For Fig. 3030 & 3031, when No-Hub outlet is specified, a Caulk Outlet w/9502 Speedi-Seal Gasket will be substituted.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04 (3020/3021 only)	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 (3020/3021 only)	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub**	Y02, Y03, Y04	N/C

OPTIONS:		3020 SER.	3030 SER.
-C	Flashing Clamp	289.00	305.00
-DBS	Add'l Aluminum Dome Bottom Strainer	216.00	216.00
-DBSE	ARC Dome Bottom Strainer	495.00	495.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	298.00	298.00
-PDBS	Polished Alum DBS	89.00	89.00
-U	Vandal Proof Screws	119.00	119.00
-12	W/NB Rim and 1/2 Grate	N/C	N/C
-13	W/NB Rim and 3/4 Grate	N/C	N/C
-14	W/NB Rim & Grate w/2 1/2 SQ Ctr Hole	276.00	276.00
-15	W/NB Rim and Alum Recessed Grate	298.00	543.00
-19	W/NB Rim and Hinged Grate	543.00	543.00
-21	W/NB Rim & Grate w/4" DIA NB Funnel	661.00	661.00
-22	W/NB Rim & Grate w/6" DIA NB Funnel	985.00	985.00
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	1,367.00	1,367.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	661.00	661.00
-41	W/NB Rim and Solid Cover	261.00	355.00
-42	W/NB Rim and 1/2 Solid Cover	261.00	355.00
-43	W/NB Rim and 3/4 Solid Cover	261.00	355.00
-44	W/NB Rim and Solid Cvr 2 1/2" DIA Ctr Hole	536.00	626.00
-51	W/Square NB Rim and NB Grate	674.00	758.00
		DEDUCT	
-CI	Duco Cast Iron Receptor	260.00	443.00
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	33.00	33.00
-10	Less NB Rim & Grate	673.00	1,544.00
-11	Less Grate, with NB Rim	329.00	793.00

FIG. DX3027 SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, WIDE FLANGE, ROUND NICKEL BRONZE TOP



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

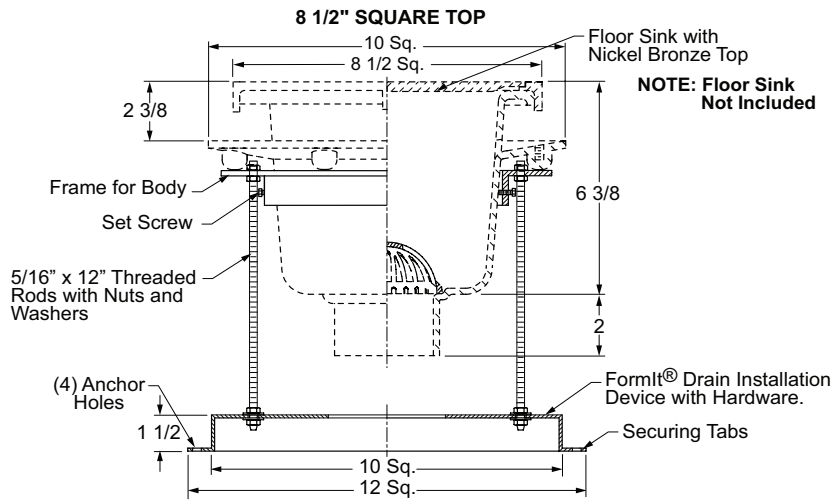
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED price

OPTIONS:		ADD
-SH	Securing Holes	189.00
-U	Vandal Proof Screws	89.00
		DEDUCT
-LBGNB	Less NB Bucket & Grate	149.00
-LBGPB	Less PB Bucket & Grate	131.00

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	PB TOP	†NB TOP	APPROX. WEIGHT LBS.
DX3027	02, 03, 04"	8 1/2"	14.1	2,408.00	2,699.00	25

REGULARLY FURNISHED: Cast Iron Body with Acid Resistant Coated Interior and Nickel Bronze Top with Sediment Bucket and ADA Grate.

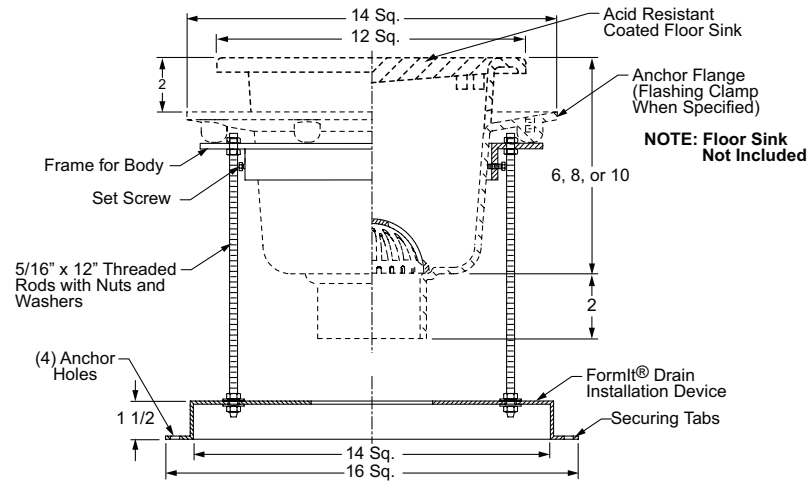
†REGULARLY FURNISHED



REGULARLY FURNISHED: Formit® Drain Installation Device for 8 1/2" Square Enameled Floor Sink Series.

NOTE: Applies to Figure Numbers: 3040, 3100, 3101, 3410 & 3411.
For pricing, refer to appropriate Figure Number.

FIG. 3039-DID FORMIT® DRAIN INSTALLATION DEVICE FOR 12" SQUARE ENAMELED FLOOR SINK SERIES



REGULARLY FURNISHED: Formit® Drain Installation Device for 12" Square Enameled Floor Sink Series.

NOTE: Designed to be used with Smith 12" square top drains.

NOTE: Applies to Figure Numbers: 3060, 3110, 3111, 3120, 3121, 3130, 3131, 3140, 3141, 3150, 3151, 3160, 3161, 3400, 3420, 3421, 3430, 3431, 3440 & 3441.
For pricing, refer to appropriate Figure Number.

SANITARY DRAINS

FIG. DX3068 SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, WIDE FLANGE, ROUND NICKEL BRONZE TOP

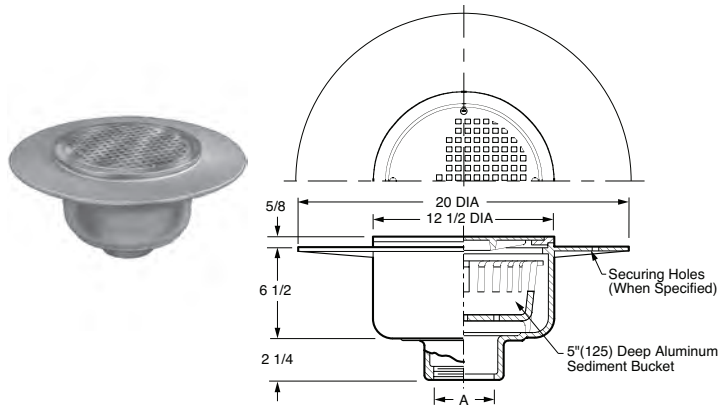


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	PB TOP	†NB TOP	APPROX. WEIGHT LBS.
DX3068	02, 03, 04"	12 1/2"	30	4,565.00	5,159.00	43
DX3068	05, 06"	12 1/2"	30	4,565.00	5,159.00	43

REGULARLY FURNISHED: Cast Iron Body with Acid Resistant Coated Interior and Nickel Bronze Top with Sediment Bucket and ADA Grate.

FIG. 3040 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ROUND NICKEL BRONZE TOP FIG. 3060 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ROUND NICKEL BRONZE TOP

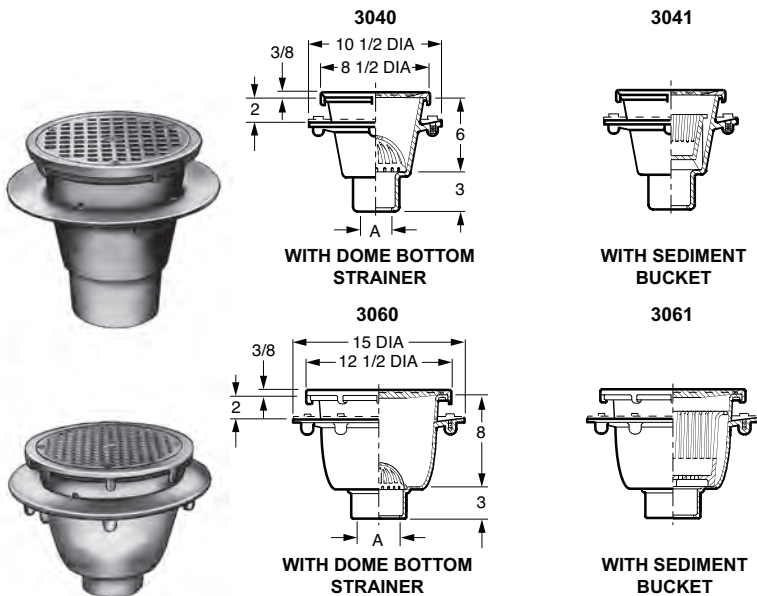


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3040	02, 03, 04"	8 1/2"	17.35	3,211.00	-	22
3041	02, 03, 04"	8 1/2"	17.35	-	3,565.00	23
3060	02, 03, 04"	12 1/2"	30	4,751.00	-	35
3061	02, 03, 04"	12 1/2"	30	-	5,244.00	36

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Grate. Aluminum Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
Threaded	T02, T03, T04	120.00
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body price

OPTIONS:	ADD
-SH Securing Holes	189.00
-U Vandal Proof Screws	89.00
-12 W/NB Rim and 1/2 Grate	N/C
-16 W/NB Rim & Heelproof Grate	1,550.00
	DEDUCT
-11 Less Grate, with NB Rim	793.00

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

IMPORTANT INSTALLATION NOTE

If water-proof deck covering thickness is greater (or less) than the dimension shown, the drain body should be set to compensate for the variation in thickness. Drain body should be set low enough to permit "dimpling" of area surrounding drain.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04 (3040, 3041 only)	N/C
Speedi-Set® SW	L02, L03 (3060, 3061 only)	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 (3040, 3041 only)	N/C
Speedi-Set® XH	LXH02, LXH03 (3060, 3061 only)	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub	Y02, Y03, Y04	N/C

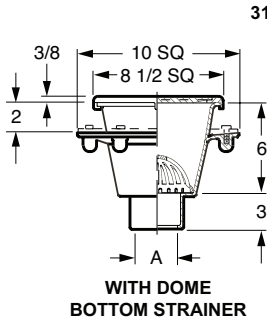
OPTIONS:	3040 SER.	3060 SER.
-C Flashing Clamp	289.00	305.00
-DBS Add'l Aluminum Dome Bottom Strainer	216.00	216.00
-DBSE ARC Dome Bottom Strainer	495.00	495.00
-FBS Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G All Galvanized Receptor	N/C	N/C
-P Trap Primer Connection	298.00	298.00
-PDBS Polished Alum DBS	89.00	89.00
-U Vandal Proof Screws	119.00	119.00
-12 W/NB Rim and 1/2 Grate	N/C	N/C
-13 W/NB Rim and 3/4 Grate	N/C	N/C
-14 W/NB Rim & Grate w/2 1/2 SQ Ctr Hole	276.00	276.00
-15 W/NB Rim and Alum Recessed Grate	298.00	543.00
-19 W/NB Rim and Hinged Grate	543.00	543.00
-21 W/NB Rim & Grate w/4" DIA NB Funnel	661.00	661.00
-22 W/NB Rim & Grate w/6" DIA NB Funnel	985.00	985.00
-25 W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	1,367.00	1,367.00
-26 W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	661.00	661.00
-41 W/NB Rim and Solid Cover	261.00	355.00
-42 W/NB Rim and 1/2 Solid Cover	261.00	355.00
-43 W/NB Rim and 3/4 Solid Cover	261.00	355.00
-44 W/NB Rim and Solid Cvr 2 1/2" DIA Ctr Hole	536.00	626.00
-51 W/Square NB Rim and NB Grate	674.00	758.00

	DEDUCT
-CI Duco Cast Iron Receptor	260.00
-FBS Aluminum Flat Bottom Strainer (Replaces DBS)	33.00
-10 Less NB Rim & Grate	673.00
-11 Less Grate, with NB Rim	329.00
	DEDUCT
For 3040, Specify 3045	444.00
For 3041, Specify 3046	444.00
For 3060, Specify 3065	563.00
For 3061, Specify 3066	563.00

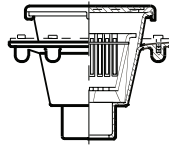
*REGULARLY FURNISHED

SANITARY DRAINS

FIG. 3100 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM RECEPTOR, SQ NB TOP FIG. 3110, 3120, 3130 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM & DEEP RECEPTORS, SQ NB TOP



WITH DOME
BOTTOM STRAINER

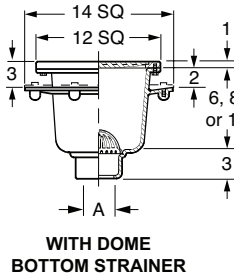


WITH
SEDIMENT BUCKET

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Grate. Aluminum Dome Bottom Strainer or Plastic ABS Sediment Bucket as Indicated by Figure Number.

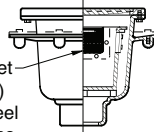
FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3100	02, 03, 04"	8 1/2"	19.43	3,402.00	-	22
3101	02, 03, 04"	8 1/2"	19.43	-	3,711.00	23

3110 SERIES



WITH DOME
BOTTOM STRAINER

Ported Bucket
with 1/16" (2)
Stainless Steel
Mesh Screens



WITH
SEDIMENT BUCKET

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Grate. Aluminum Dome Bottom Strainer or White ABS Sediment Bucket as Indicated by Figure Number.

FIG. NO.	A OUTLET SIZE	TOP SIZE	SUMP DEPTH	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3110	02, 03, 04"	12"	6	42	5,520.00	-	35
3111	02, 03, 04"	12"	6	42	-	6,015.00	54
3120	02, 03, 04"	12"	8	42	5,696.00	-	52
3121	02, 03, 04"	12"	8	42	-	6,183.00	57
3130	02, 03, 04"	12"	10	42	5,876.00	-	59
3131	02, 03, 04"	12"	10	42	-	6,368.00	63

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

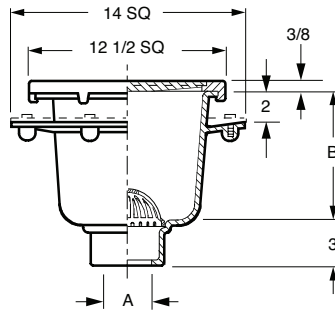
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:		3100 SERIES	3110/3120/ 3130 SERIES
-BS	SS Mesh Lined Bkt (Bkt Models Only)	736.00	-
-C	Flashing Clamp	289.00	305.00
-DBS	Add'l Aluminum Dome Bottom Strainer	216.00	216.00
-DBSE	ARC Dome Bottom Strainer	495.00	495.00
-DID	Drain Installation Device	321.00	321.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G	All Galvanized Receptor	N/C	N/C
-PDBS	Polished Alum DBS	89.00	89.00
-P	Trap Primer Connection	298.00	298.00
-SBP	Solid Bottom Ported Bucket w/Mesh Screen (Bucket Models Only)	-	373.00
-U	Vandal Proof Screws	119.00	119.00
-12	W/NB Rim and 1/2 Grate	N/C	N/C
-13	W/NB Rim and 3/4 Grate	N/C	N/C
-14	W/NB Rim & Grate w/2 1/2 SQ Ctr Hole	276.00	276.00
-15	W/NB Rim and Alum Recessed Grate	298.00	543.00
-18	W/NB Rim and Angle Grate	-	1,850.00
-19	W/NB Rim and Hinged Grate	543.00	543.00
-21	W/NB Rim & Grate w/4" DIA NB Funnel	661.00	661.00
-22	W/NB Rim & Grate w/6" DIA NB Funnel	985.00	985.00
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	1,367.00	1,367.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	661.00	661.00
-41	W/NB Rim and Solid Cover	261.00	355.00
-42	W/NB Rim and 1/2 Solid Cover	261.00	355.00
-43	W/NB Rim and 3/4 Solid Cover	261.00	355.00
-44	W/NB Rim and Solid Cvr 2 1/2" DIA Ctr Hole	536.00	626.00
-69	W/NB Rim and XH Stainless Steel Secured Grate (12") tops)	-	3,665.00
		DEDUCT	
-CI	Duco Cast Iron Receptor	260.00	443.00
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	33.00	33.00
-10	Less NB Rim & Grate	673.00	1,961.00
-11	Less Grate, with NB Rim	329.00	759.00
Less Flange		-	597.00
For 3120, Specify 3125 (Caulk outlet only)			
For 3121, Specify 3126 (Caulk outlet only)			

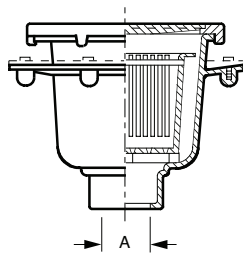
*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

SANITARY DRAINS

FIG. 3140, 3150, 3160 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM, DEEP & EXTRA DEEP RECEPTORS, SQUARE NB TOP



WITH BOTTOM DOME STRAINER



WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	SUMP DEPTH	FREE AREA SQ. IN.	*ALUMINUM DOME BOTTOM STRAINER	*ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3140	02, 03, 04"	12 1/2"	6"	42	5,062.00	-	50
3141	02, 03, 04"	12 1/2"	6"	42	-	5,561.00	54
3150	02, 03, 04"	12 1/2"	8"	42	5,237.00	-	54
3151	02, 03, 04"	12 1/2"	8"	42	-	5,731.00	57
3160	02, 03, 04"	12 1/2"	10"	42	5,424.00	-	59
3161	02, 03, 04"	12 1/2"	10"	42	-	5,919.00	63

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Grate. Aluminum Dome Bottom Strainer or White ABS Sediment Bucket as Indicated by Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	N/C
Speedi-Seal Gasket*	O2, O3, O4	89.00
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:		ADD
-BS	SS Mesh Lined Bkt (Bkt Models Only)	736.00
-C	Flashing Clamp	305.00
-DBS	Add'l Aluminum Dome Bottom Strainer	227.00
-DBSE	ARC Dome Bottom Strainer	495.00
-DID	Drain Installation Device	321.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00
-G	All Galvanized Receptor	N/C
-P	Trap Primer Connection	298.00
-PDBS	Polished Alum DBS	89.00
-SBP	Solid Bottom Ported Bkt w/SS Mesh (Bucket Models Only)	373.00
-U	Vandal Proof Screws	119.00
-12	W/NB Rim and 1/2 Grate	N/C
-13	W/NB Rim and 3/4 Grate	N/C
-14	W/NB Rim & Grate w/2 1/2 SQ Ctr Hole	276.00
-15	W/NB Rim and Alum Recessed Grate	298.00
-16	W/NB Rim & Heelproof Grate	1,081.00
-18	W/NB Rim and Angle Grate	1,850.00
-19	W/NB Rim and Hinged Grate	543.00
-21	W/NB Rim & Grate w/4" DIA NB Funnel	661.00
-22	W/NB Rim & Grate w/6" DIA NB Funnel	985.00
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 4 1/2 Oval NB Funnel	1,367.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	661.00
-41	W/NB Rim and Solid Cover	355.00
-42	W/NB Rim and 1/2 Solid Cover	355.00
-43	W/NB Rim and 3/4 Solid Cover	355.00
-44	W/NB Rim and Solid Cvr 2 1/2" DIA Ctr Hole	626.00
DEDUCT		
-CI	Duco Cast Iron Receptor	443.00
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	33.00
-10	Less NB Rim & Grate	1,525.00
-11	Less Grate, with NB Rim	759.00
	Less Flange	597.00
	For 3150, Specify 3155 (Caulk outlet only)	
	For 3151, Specify 3156 (Caulk outlet only)	

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

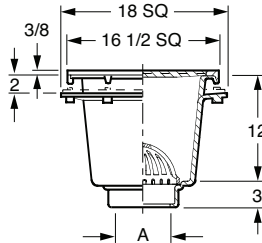
*REGULARLY FURNISHED

SANITARY DRAINS

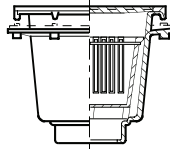
FIG. 3200, 3250 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, EXTRA DEEP RECEPTORS, SQUARE & RECTANGULAR NB TOP



3200 SERIES



WITH DOME BOTTOM STRAINER

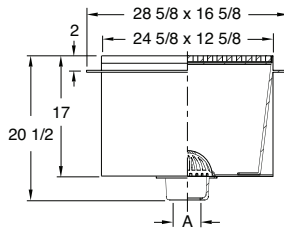


WITH SEDIMENT BUCKET

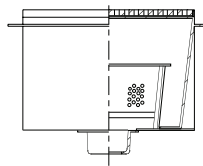
FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3200	02, 03, 04"	16 1/2"	77	9,209.00	-	83
3200	05, 06, 08"	16 1/2"	77	9,209.00	-	83
3201	02, 03, 04"	16 1/2"	77	-	10,497.00	87
3201	05, 06, 08"	16 1/2"	77	-	10,497.00	87

REGULARLY FURNISHED: 3200 Series: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Gate. Aluminum Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

3250 SERIES



WITH DOME BOTTOM STRAINER



WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ARC CI DOME BOTTOM STRAINER	†STAINLESS STEEL SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3250	02, 03, 04"	24 x 12"	125	18,942.00	-	134
3250	05, 06"	24 x 12"	125	18,942.00	-	134
3251	02, 03, 04"	24 x 12"	125	-	21,871.00	134
3251	05, 06"	24 x 12"	125	-	21,871.00	134

REGULARLY FURNISHED:

3250 Series: Fabricated Steel Flanged Receptor with Acid Resistant Coated Interior and Nickel Bronze Rim and Secured ADA Gate. Acid Resistant Coated Dome Bottom Strainer or Stainless Steel Sediment Bucket as Indicated By Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
	C05, C06, C08	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub	Y03, Y04	N/C
	Y05, Y06 (3200 Ser Only)	N/C

OPTIONS:		ADD	
		3200 SERIES	3250 SERIES
-ASB	Aluminum Slotted Bucket (Bkt Models Only)	N/C	N/C
-BS	SS Mesh Lined Bkt (Bkt Models Only)	1,461.00	-
-C	Flashing Clamp	878.00	878.00
-DBS	Add'l Aluminum Dome Bottom Strainer	216.00	216.00
-DBSE	ARC Dome Bottom Strainer	495.00	-
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	298.00	587.00
-PDBS	Polished Alum DBS	89.00	89.00
-U	Vandal Proof Screws	119.00	119.00
-12	W/NB Rim and 1/2 Grate	N/C	N/C
-13	W/NB Rim and 3/4 Grate	N/C	N/C
-14	W/NB Rim & Grate w/ 7" SQ. Center Hole	276.00	-
-21	W/NB Rim & Grate w/4" DIA NB Funnel	661.00	661.00
-22	W/NB Rim & Grate w/6" DIA NB Funnel	985.00	985.00
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 4 1/2 Oval NB Funnel	1,367.00	1,367.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	661.00	661.00
-41	W/NB Rim and Solid Cover	955.00	-
-42	W/NB Rim and 1/2 Solid Cover	955.00	-
-43	W/NB Rim and 3/4 Solid Cover	955.00	-
-44	W/NB Rim and Solid Cvr 2 1/2" DIA Ctr Hole	1,234.00	-
		DEDUCT	
-CI	Duco Cast Iron Receptor	587.00	-
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	33.00	33.00
-10	Less NB Rim & Grate	3,216.00	3,309.00
-11	Less Grate, with NB Rim	1,612.00	2,094.00

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

*REGULARLY FURNISHED

SANITARY DRAINS

FIG. 3300 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, RECTANGULAR NB TOP
FIG. 3320 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, DEEP RECEPTOR, RECTANGULAR NB TOP



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03 (3300 Ser.)	N/C
	C02, C03, C04 (3320 Ser.)	N/C
Speedi-Set® SW	L02 (3300 Ser.)	N/C
Speedi-Set® XH	LXH02 (3300 Ser.)	N/C
Speedi-Seal Gasket*	02, 03 (3300 Ser.)	89.00
	02, 03, 04 (3320 Ser.)	89.00
No-Hub**	Y03 (3300 Ser.)	N/C

OPTIONS:		ADD	
		3300 SERIES	3320 SERIES
-C	Flashing Clamp	289.00	289.00
-DBS	Add'l Aluminum Dome Bottom Strainer	216.00	216.00
-DBSE	ARC Dome Bottom Strainer	495.00	495.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	298.00	298.00
-PDBS	Polished Alum DBS	89.00	89.00
-U	Vandal Proof Screws	119.00	119.00
-12	W/NB Rim and 1/2 Grate	N/C	N/C
-14	W/NB Rim and Grate w/ 2 1/2" Center Hole	276.00	-
-15	W/NB Rim and Alum Recessed Grate	298.00	298.00
-21	W/NB Rim & Grate w/4" DIA NB Funnel	661.00	661.00
-22	W/NB Rim & Grate w/6" DIA NB Funnel	985.00	985.00
-25	W/NB Rim & Grate w/ 8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	1,367.00	1,367.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	661.00	661.00
-31	W/NB Rim and Extra Heavy Grate	686.00	-
-41	W/NB Rim and Solid Cover	261.00	261.00
-42	W/NB Rim and 1/2 Solid Cover	261.00	261.00
		DEDUCT	
-CI	All Duco Cast Iron Receptor	260.00	443.00
-FBS	Alum Flat Bottom Strainer (Replaces DBS)	33.00	33.00
-10	Less NB Rim & Grate	587.00	661.00
-11	Less Grate, with NB Rim	474.00	534.00

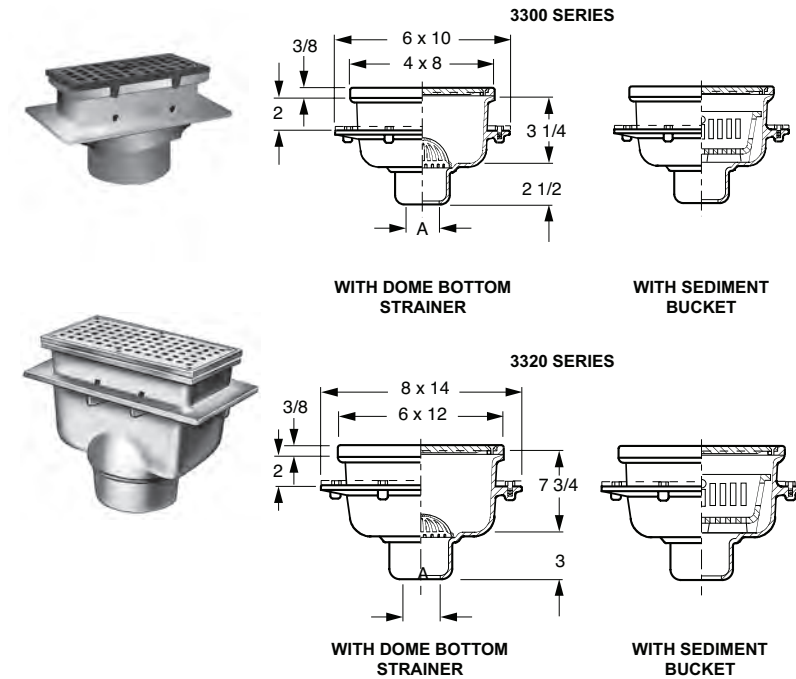


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*ALUMINUM DOME BOTTOM STRAINER	*ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
**3300	02, 03"	4 x 8"	6.7	3,344.00	-	17
**3301	02, 03"	4 x 8"	6.7	-	3,651.00	19
**3320	02, 03, 04"	6 x 12"	16.1	4,527.00	-	38
**3321	02, 03, 04"	6 x 12"	16.1	-	4,828.00	38

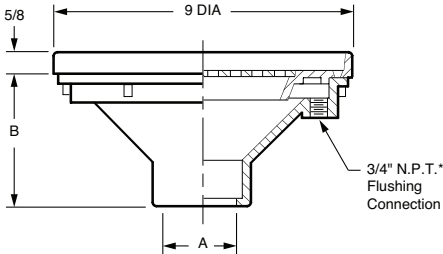
REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, Nickel Bronze Rim and Secured ADA Grate. Aluminum Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

**For Fig. 3300Y02, 3301Y02, 3320 & 3321, when No-Hub outlet is specified, a Caulk Outlet w/9502 Speedi-Seal Gasket will be substituted.

SANITARY DRAINS

FIG. 3365 SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, REFRIGERATOR DRAIN WITH RECESSED GRATE



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03	N/C
Speedi-Seal Gasket*	02	89.00
Threaded	T0150, T02, T03	120.00
No-Hub	Y0150, Y02, Y03	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		DEDUCT
-CI	Duco CI Receptor	590.00

For Water Supply Control Boxes, See Fig. 3380-3385

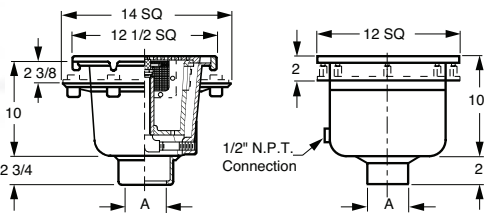
The potable water supply to which a flushing type of drain is connected, must be protected by a suitable vacuum breaker.

A SIZE	B	FREE AREA	DUCO CI ARC INT PB TOP	+DUCO CI ARC INT NB TOP	APPROX. WEIGHT LBS.
0150, 02"	4 1/2"	7.20	3,350.00	3,693.00	15
03"	3 1/2"	7.20	3,350.00	3,693.00	15

REGULARLY FURNISHED: Cast Iron Body with Acid Resistant Coated Interior and Nickel Bronze Top.

*Speedi-Seal Gasket Available for use with Caulk Outlet Body as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

FIG. 3370 SANI-CEPTOR® CAN WASHING FLOOR DRAINS



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04 (3370 Only)	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 (3370 Only)	N/C
Speedi-Seal Gasket*	03, 04	89.00
Threaded	T02, T03, T04	120.00
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:		ADD
-C	Flashing Clamp (3370)	305.00
-C	Flashing Clamp (3371)	305.00
-U	Vandal Proof (3370)	119.00
-U	Vandal Proof (3371)	988.00

*Speedi-Seal Gasket Available for use with 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

REGULARLY FURNISHED: 3370: Cast Iron Body with A.R.C. Interior, Nickel Bronze Rim and Grate, Free Standing Aluminum Bucket with Ported Openings Lined with 1/4" Stainless Steel Mesh and Bronze Adjustable Nozzle Assembly.

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†STAINLESS STEEL	APPROX. WEIGHT LBS.
3371	02, 03, 04"	12"	21	6,626.00	80

REGULARLY FURNISHED: 3371: 14 Gage Stainless Steel Body with No. 4 finish Interior, Stainless Grate, Free Standing Aluminum Bucket with Ported Openings Lined with 1/4" Stainless Steel Mesh and Bronze Adjustable Nozzle Assembly.

*REGULARLY FURNISHED

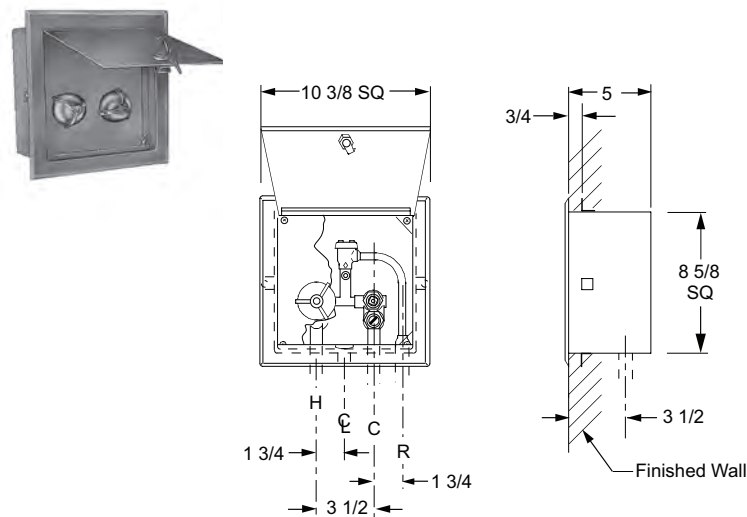


Fig. 3380

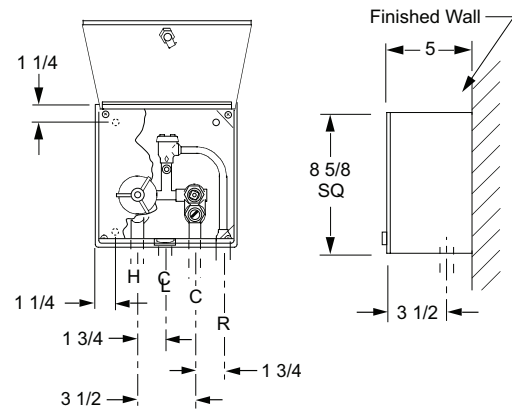


Fig. 3385

FIG. NO.	FACE OF WALL	SURFACE MOUNTED	APPROX. WEIGHT LBS.
3380	8,323.00	-	15
3385	-	8,323.00	15

REGULARLY FURNISHED: Box: Type 304 stainless steel with cylinder type key lock and piano hinged cover. All exposed surfaces are polished to a No. 4 satin finish.

Internal Parts: Control valves, screwdriver stops and atmospheric type vacuum breaker are all bronze. Component parts are assembled with type "L" copper tubing and all connections are silver brazed. H & C inlet and remote outlet fittings are 1/2" NPT female. All are provided with integral ears secured to the control box with stainless steel vandal-proof screws, preventing damage during installation.

SANITARY DRAINS

FIG. 3400 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, DEEP RECEPTOR, ARC ROUND NON-TRAFFIC TOP
FIG. 3402 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ARC ROUND NON-TRAFFIC TOP
FIG. 3410 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM RECEPTOR, ARC SQUARE NON-TRAFFIC TOP

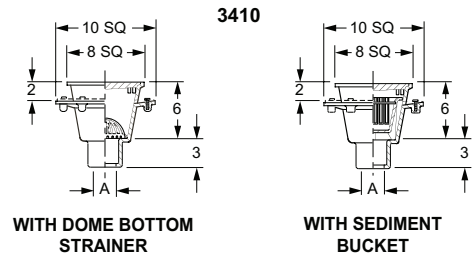
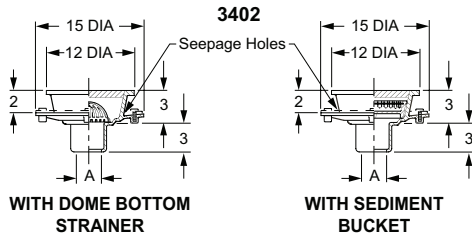
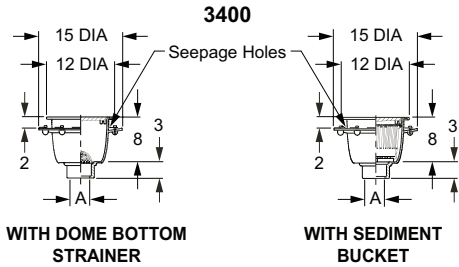


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3400	02, 03, 04"	12"	22	3,196.00	-	42
3401	02, 03, 04"	12"	22	-	3,686.00	38
**3402	02, 03, 04"	12"	22	2,905.00	-	23
**3412	02, 03, 04"	12"	22	-	3,401.00	24

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3410	02, 03, 04"	8" SQ.	11	2,739.00	-	50
3411	02, 03, 04"	8" SQ.	11	-	3,048.00	54

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, and Loose Set Acid Resistant Coated Cast Iron Grate. Aluminum Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04 (3410 Ser. only)	N/C
Speedi-Set® SW	L02, L03 (3400 Ser. only)	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 (3410 Ser. only)	N/C
Speedi-Set® XH	LXH02, LXH03 (3400 Ser. only)	N/C
Speedi-Seal Gasket*	02, 03, 04 (3400/3402 & 3410 Ser. Only)	89.00
No-Hub**	Y02, Y03, Y04 (3400/3410 Ser. Only)	N/C

OPTIONS:		ADD	
		3400 SER.	3410 SER.
-BS	SS Mesh Lined Bkt (Bkt Models Only)	736.00	736.00
-C	Flashing Clamp	305.00	289.00
-DBS	Aluminum Dome Bottom Strainer (In Addition to Bucket)	216.00	216.00
-DBSE	ARC Dome Bottom Strainer	495.00	495.00
-DID	Drain Installation Device	321.00	321.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	298.00	298.00
-PDBS	Polished Alum DBS	89.00	89.00

ARC CAST IRON SERIES

-12	With ARC 1/2 Grate	N/C	N/C
-13	With ARC 3/4 Grate	N/C	N/C
-14	With ARC Grate w/2 1/2" DIA Ctr Hole	276.00	276.00
-15	With Alum Recessed Grate	298.00	-
-21	With ARC Grate w/4" Funnel	590.00	590.00
-22	With ARC Grate w/6" Funnel	759.00	759.00
-25	With ARC Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	986.00	986.00
-26	With ARC Grate w/6 x 2 1/2 x 1 Oval Funnel	590.00	590.00
-41	With ARC Solid Cover	178.00	149.00
-42	With ARC 1/2 Solid Cover	178.00	149.00
-43	With ARC 3/4 Solid Cover	178.00	149.00
-44	With ARC Solid Grate w/2 1/2" DIA Center Hole	444.00	414.00

DUCO COATED CAST IRON SERIES

-12	With 1/2 Grate	N/C	N/C
-13	With 3/4 Grate	N/C	N/C
-14	With Grate w/2 1/2" DIA Ctr Hole	276.00	276.00
-15	With Alum Recessed Grate	298.00	-
-21	With Grate w/4" Funnel	276.00	276.00
-22	With Grate w/6" Funnel	443.00	443.00
-25	With Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	661.00	661.00
-26	With Grate w/6 x 2 1/2 x 1 Oval Funnel	276.00	276.00
-41	With Solid Cover	178.00	149.00
-42	With 1/2 Solid Cover	178.00	149.00
-43	With 3/4 Solid Cover	178.00	149.00
-44	With Solid Grate w/2 1/2" DIA Center Hole	444.00	414.00

DEDUCT

-CI	Duco Cast Iron Receptor	443.00	260.00
-FBS	Alum FBS (Replaces DBS)	33.00	33.00
	Less Flange	590.00	-
	For 3400, Specify 3405		
	For 3401, Specify 3406		

ARC CAST IRON SERIES

-10	Less ARC Grate	411.00	298.00
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DUCO COATED CAST IRON SERIES

-10	Less Grate	149.00	119.00
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*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

**For 3402 & 3412, when No-Hub outlet is specified, a Caulk Outlet w/9502 Speedi-Seal Gasket will be substituted.

*REGULARLY FURNISHED

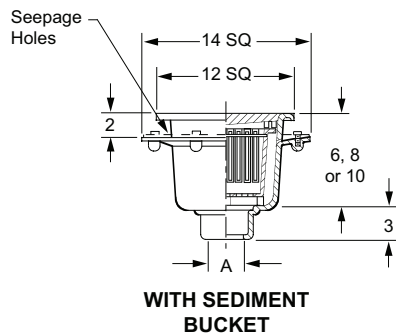
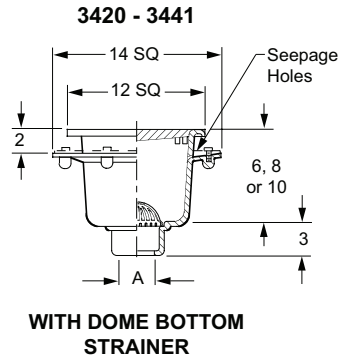


FIG. NO.	A OUTLET SIZE	SUMP DEPTH	TOP SIZE	FREE AREA SQ. IN.	*ALUMINUM DOME BOTTOM STRAINER	*ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3420	02, 03, 04"	6"	12" SQ	26	3,895.00	-	50
3421	02, 03, 04"	6"	12" SQ	26	-	4,386.00	54
3430	02, 03, 04"	8"	12" SQ	26	4,065.00	-	54
3431	02, 03, 04"	8"	12" SQ	26	-	4,561.00	57
3440	02, 03, 04"	10"	12" SQ	26	4,258.00	-	69
3441	02, 03, 04"	10"	12" SQ	26	-	4,751.00	73

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, and Loose Set Acid Resistant Coated Cast Iron Grate. Aluminum Dome Bottom Strainer or White ABS Sediment Bucket as Indicated by Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Set® SW	L02, L03, L04	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:	ADD
-BS SS Mesh Lined Bucket (Bucket Models Only)	736.00
-C Flashing Clamp	305.00
-DBS Aluminum Dome Bottom Strainer (In Addition to Bucket)	216.00
-DBSE ARC Dome Bottom Strainer	495.00
-DID Drain Installation Device	321.00
-FBS Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00
-G All Galvanized Receptor	N/C
-P Trap Primer Connection	298.00
-PDBS Polished Alum DBS	89.00

ARC CAST IRON SERIES

-12	With ARC 1/2 Grate	N/C
-13	With ARC 3/4 Grate	N/C
-14	With ARC Grate w/2 1/2" DIA Ctr Hole	276.00
-15	With Alum Recessed Grate	298.00
-21	With ARC Grate w/4" Funnel	590.00
-22	With ARC Grate w/6" Funnel	759.00
-25	With ARC Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	986.00
-26	With ARC Grate w/6 x 2 1/2 x 1 Oval Funnel	590.00
-41	With ARC Solid Cover	178.00
-42	With ARC 1/2 Solid Cover	178.00
-43	With ARC 3/4 Solid Cover	178.00
-44	With ARC Solid Grate w/2 1/2" DIA Center Hole	444.00

DUCO COATED CAST IRON SERIES

-12	With 1/2 Grate	N/C
-13	With 3/4 Grate	N/C
-14	With Grate w/2 1/2" DIA Ctr Hole	276.00
-15	With Alum Recessed Grate	298.00
-21	With Grate w/4" Funnel	276.00
-22	With Grate w/6" Funnel	443.00
-25	With Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	661.00
-26	With Grate w/6 x 2 1/2 x 1 Oval Funnel	276.00
-41	With Solid Cover	178.00
-42	With 1/2 Solid Cover	178.00
-43	With 3/4 Solid Cover	178.00
-44	With Solid Grate w/2 1/2" DIA Center Hole	444.00

-CI	Duco Cast Iron Receptor	443.00
-FBS	Alum FBS (Replaces DBS)	33.00
	Less Flange	597.00
	For 3430, Specify 3435 (Caulk outlet only)	
	For 3431, Specify 3436 (Caulk outlet only)	

ARC CAST IRON SERIES

-10	Less ARC Grate	355.00
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DUCO COATED CAST IRON SERIES

-10	Less Grate	149.00
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*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

SANITARY DRAINS

FIG. 3450 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS DEEP RECEPTOR, ARC SQUARE NON-TRAFFIC TOP

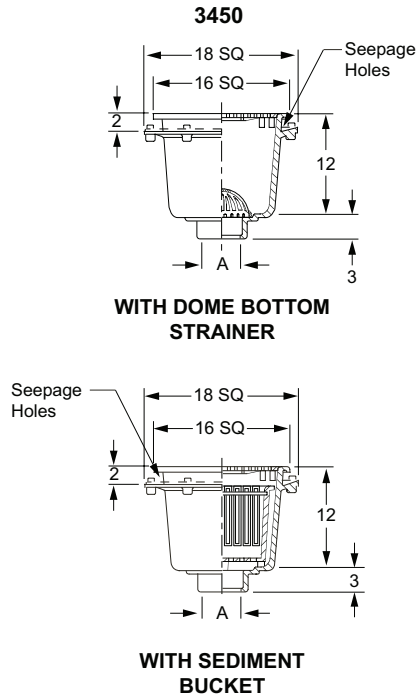


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3450	02, 03, 04"	16" SQ.	55	7,307.00	-	73
3450	05, 06, 08"	16" SQ.	55	7,307.00	-	73
3451	02, 03, 04"	16" SQ.	55	-	8,600.00	75
3451	05, 06, 08"	16" SQ.	55	-	8,600.00	75

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, and Loose Set Acid Resistant Coated Cast Iron Grate. Aluminum Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
	C05, C06, C08	N/C
Speedi-Seal Gasket*	03, 04	89.00

OPTIONS:		ADD
-BS	Mesh Liner on Bucket (3451 only)	1,461.00
-C	Flashing Clamp	878.00
-DBS	Aluminum Dome Bottom Strainer (In Addition to Bucket)	216.00
-DBSE	ARC Dome Bottom Strainer	495.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00
-G	All Galvanized Receptor	N/C
-P	Trap Primer Connection	298.00
-PDBS	Polished Alum Dome Bottom Strainer	89.00

ARC CAST IRON SERIES

-12	With ARC 1/2 Grate	N/C
-13	With ARC 3/4 Grate	N/C
-14	With ARC Grate w/2 1/2" DIA Ctr Hole	276.00
-21	With ARC Grate w/4" ARC Funnel	590.00
-22	With ARC Grate w/6" ARC Funnel	759.00
-25	With ARC Grate w/ 8 1/4 x 3 1/4 x 4 1/2" Oval ARC Funnel	986.00
-26	With ARC Grate w/6 x 2 1/2 x 1" Oval ARC Funnel	590.00
-41	With ARC Solid Cover	232.00
-42	With ARC 1/2 Solid Cover	232.00
-43	With ARC 3/4 Solid Cover	232.00
-44	With ARC Solid Grate w/2 1/2" DIA Center Hole	503.00

DUCO COATED CAST IRON SERIES

-12	With 1/2 Grate	N/C
-13	With 3/4 Grate	N/C
-14	With Grate w/2 1/2" DIA Ctr Hole	276.00
-21	With Grate w/4" ARC Funnel	276.00
-22	With Grate w/6" ARC Funnel	443.00
-25	With Grate w/ 8 1/4 x 3 1/4 x 4 1/2" Oval Funnel	661.00
-26	With Grate w/6 x 2 1/2 x 1" Oval ARC Funnel	276.00
-41	With Solid Cover	232.00
-42	With 1/2 Solid Cover	232.00
-43	With 3/4 Solid Cover	232.00
-44	With Solid Grate w/2 1/2" DIA Center Hole	503.00
		DEDUCT
-CI	Duco Cast Iron Receptor	587.00
-FBS	Alum Flat Bottom Strainer (Replaces DBS)	33.00

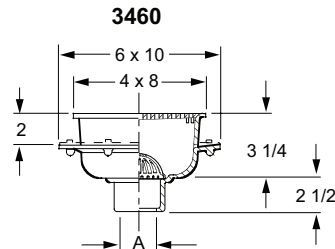
ARC CAST IRON SERIES

-10	Less ARC Grate	587.00
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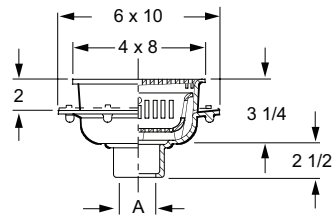
DUCO COATED CAST IRON SERIES

-10	Less Grate	232.00
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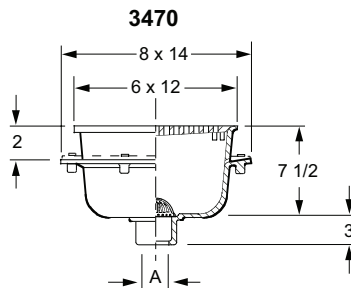
*Speedi-Seal Gasket Available for use with 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).



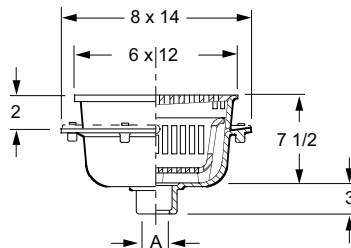
WITH DOME BOTTOM STRAINER



WITH SEDIMENT BUCKET



WITH DOME BOTTOM STRAINER



WITH SEDIMENT BUCKET

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Speedi-Seal Gasket*	02, 03, 04	89.00
No-Hub**	Y03 (3460 Ser. Only)	N/C

OPTIONS:		ADD	
		3460 SER.	3470 SER.
-BS	SS Mesh Lined Bkt (Bkt Models Only)	736.00	736.00
-C	Flashing Clamp	289.00	289.00
-DBS	Aluminum Dome Bottom Strainer (In Addition to Bucket)	216.00	216.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00	183.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	298.00	298.00
-PDBS	Polished Aluminum DBS	89.00	89.00
-12	1/2 Grate	N/C	N/C
-21	With ARC Grate w/4" Funnel	590.00	590.00
-22	With ARC Grate w/6" Funnel	759.00	759.00
-25	With ARC Grate w/8 1/4 x 4 1/2" Funnel	986.00	986.00
-26	With ARC Grate w/6 x 1" Oval Funnel	590.00	590.00
		DEDUCT	
-CI	Duco Cast Iron Receptor	260.00	443.00
-FBS	Alum FBS (Replaces DBS)	33.00	33.00
-10	Less Grate	232.00	298.00

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS.
**3460	02, 03"	4 x 8"	6.5	2,831.00	-	17
**3461	02, 03"	4 x 8"	6.5	-	3,132.00	19
**3470	02, 03, 04"	6 x 12"	13.75	3,772.00	-	35
**3471	02, 03, 04"	6 x 12"	13.75	-	4,067.00	38

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Acid Resistant Coated Interior with Loose Set Acid Resistant Coated Grate, Aluminum Dome Bottom Strainer or Aluminum Sediment Bucket as Indicated by Figure Number.

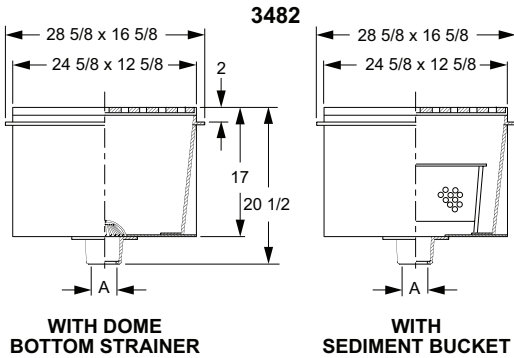
*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

**For Fig. 3460Y02, 3461Y02, 3470 & 3471, when No-Hub outlet is specified, a Caulk Outlet w/9502 Speedi-Seal Gasket will be substituted.

*REGULARLY FURNISHED

SANITARY DRAINS

FIG. 3482 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, EXTRA LARGE DEEP RECEPTOR, ARC RECTANGULAR NON-TRAFFIC TOP



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

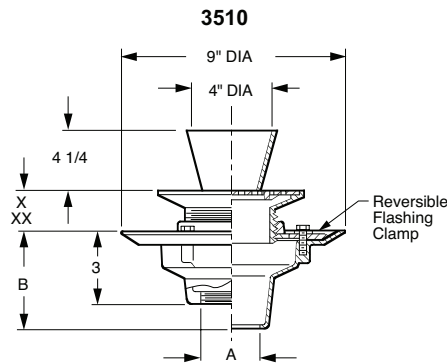
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	N/C
No-Hub	Y02, Y03, Y04	N/C

OPTIONS:		ADD
-C	Flashing Clamp	878.00
-DBS	Aluminum Dome Bottom Strainer (In Addition to Bucket)	216.00
-FBS	Aluminum Flat Bottom Strainer (In Addition to Bucket)	183.00
-G	All Galvanized Receptor	N/C
-P	Trap Primer Connection	587.00
-PDBS	Polished Aluminum DBS	89.00
-12	Acid Resistant Coated 1/2 Grate	N/C
-13	Acid Resistant Coated 3/4 Grate	N/C
		DEDUCT
-FBS	Alum FBS (Replaces DBS)	33.00
-10	Less Grate	1,461.00

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	*ALUMINUM DOME BOTTOM STRAINER	*STAINLESS STEEL SEDIMENT BUCKET	APPROX. WEIGHT LBS.
3482	02, 03, 04"	24 x12"	125	14,801.00	-	130
3482	05, 06"	24 x12"	125	14,801.00	-	130
3483	02, 03, 04"	24 x12"	125	-	17,733.00	130
3483	05, 06"	24 x12"	125	-	17,733.00	130

REGULARLY FURNISHED: Fabricated Steel Flanged Receptor with Acid Resistant Coated Interior with Loose Set Acid Resistant Coated Grates, Aluminum Dome Bottom Strainer or Stainless Steel Sediment Bucket as Indicated By Figure Number.

FIG. 3510-F11 FUNNEL-CEPTOR® INDIRECT WASTE DRAINS WITH ADJUSTABLE STRAINER HEADS



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	4"	N/C
Speedi-Set® SW	L02, L03, L04	4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	4"	N/C
Threaded	T02, T03, T04	3"	120.00
No-Hub	Y02, Y03, Y04	4"	N/C

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BB	Bronze Body (2-4") 5" or 6"	1,878.00
-G	Galvanized Body	305.00
-P	Trap Primer Conn	N/C
-U	Vandal Proof Screws	86.00
	3581 6" Dia Funnel, PB or NB	318.00
	CP	345.00
	3590 6 x 2 1/2 x 1" Funnel	N/C
	Funnel Threaded into Grate	418.00

Drain Body Only	Duco CI	Galv CI
02, 03, 04"	298.00	603.00

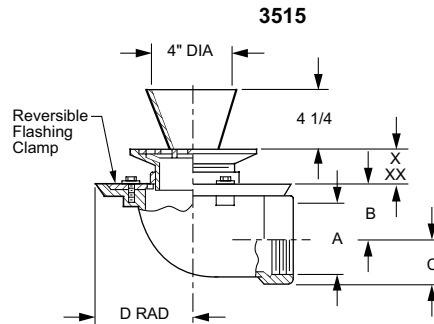
A OUTLET SIZE	STRAINER SIZE DIA.	FREE AREA SQ. IN. DIA.	*X		**XX		PB TOP & FUNNEL	*NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
			MIN.	MAX.	MIN.	MAX.				
02, 03, 04"	05"	7	1 1/4"	2 1/4"	3/4"	1 5/8"	1,284.00	1,416.00	1,521.00	13
02, 03, 04"	06"	9	1 1/4"	2 1/4"	3/4"	1 5/8"	1,392.00	1,581.00	1,702.00	14
02, 03, 04"	07"	14	1 1/4"	2 1/4"	7/8"	1 7/8"	1,572.00	1,722.00	1,855.00	15
02, 03, 04"	08"	17	1 1/2"	2 1/2"	1"	1 7/8"	1,822.00	1,991.00	2,157.00	18
02, 03, 04"	09", 10"						2,283.00	2,472.00	2,687.00	20

* Collar in high position.
**Collar in low position.

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

NOTE: For body only pricing see Fig. 2010.

*REGULARLY FURNISHED

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for add to THRD body

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-G	Galvanized Body	305.00
-P	Trap Primer Conn	N/C
-U	Vandal Proof Screws	86.00
	3581 6" Dia Funnel, PB or NB	318.00
	CP	345.00
	3590 6 x 2 1/2 x 1" Funnel	N/C
	Funnel Threaded into Grate	418.00

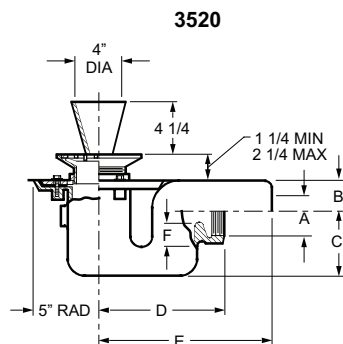
Drain Body Only	Duco CI	Galv CI
02, 03"	636.00	941.00
04"	779.00	1,084.00

A OUTLET SIZE	STRAINER SIZE DIA.	FREE AREA SQ. IN. DIA.	B	C	D	*X MIN.	*X MAX.	**XX MIN.	**XX MAX.	PB TOP & FUNNEL	+NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
02"	05"	7	2 3/4"	1 1/4"	4 3/4"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,620.00	1,753.00	1,850.00	18
03"	05"	7	2 3/4"	2 1/4"	4 3/4"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,620.00	1,753.00	1,850.00	18
04"	05"	7	3 1/4"	3 1/4"	6"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,763.00	1,896.00	1,993.00	20
02"	06"	9	2 3/4"	1 1/4"	4 3/4"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,729.00	1,918.00	2,038.00	19
03"	06"	9	2 3/4"	2 1/4"	4 3/4"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,729.00	1,918.00	2,038.00	19
04"	06"	9	3 1/4"	3 1/4"	6"	1 1/4"	2 1/4"	3/4"	1 5/8"	1,872.00	2,061.00	2,181.00	19
02"	07"	14	2 3/4"	1 1/4"	4 3/4"	1 1/4"	2 1/4"	7/8"	1 7/8"	1,911.00	2,058.00	2,202.00	20
03"	07"	14	2 3/4"	2 1/4"	4 3/4"	1 1/4"	2 1/4"	7/8"	1 7/8"	1,911.00	2,058.00	2,202.00	20
04"	07"	14	3 1/4"	3 1/4"	6"	1 1/4"	2 1/4"	7/8"	1 7/8"	2,054.00	2,201.00	2,346.00	20
02"	08"	17	2 3/4"	1 1/4"	4 3/4"	1 1/2"	2 1/2"	1"	1 7/8"	2,158.00	2,329.00	2,495.00	22
03"	08"	17	2 3/4"	2 1/4"	4 3/4"	1 1/2"	2 1/2"	1"	1 7/8"	2,158.00	2,329.00	2,495.00	22
04"	08"	17	3 1/4"	3 1/4"	6"	1 1/2"	2 1/2"	1"	1 7/8"	2,302.00	2,472.00	2,638.00	25

NOTE: For body only pricing see Fig. 2015.

* Collar in high position.
** Collar in low position.

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

FIG. 3520-F11 SERIES FUNNEL-CEPTOR® INDIRECT WASTE DRAINS W/ADJUSTABLE STRAINER HEADS, SHALLOW TRAP**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (3521)	S02, S03, S04	N/C
Threaded (3520)	T02, T03, T04	N/C

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-G	Galvanized Body	648.00
-NH	High Aux Inlet	536.00
-P	Trap Primer Conn	255.00
-U	Vandal Proof Screws	86.00
	3581 6" Dia Funnel, NB or PB	318.00
	CP	345.00
	3590 6x2 1/2x1" Funnel	N/C
	Funnel Threaded into Grate	418.00

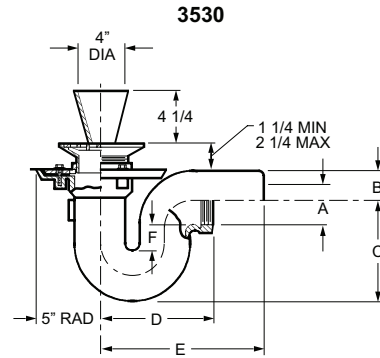
Drain Body Only	Duco CI	Galv CI
02, 03"	878.00	1,526.00
04"	1,385.00	2,033.00

A OUTLET SIZE	STRAINER SIZE DIA.	FREE AREA SQ. IN. DIA.	B	C	D	E	F SEAL	PB TOP & FUNNEL	+NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
02"	05"	7	1 3/4"	5"	6 3/4"	9 1/2"	2"	1,863.00	1,995.00	2,093.00	21
03"	05"	7	2 1/4"	4 1/2"	9"	12 1/4"	2"	1,863.00	1,995.00	2,093.00	21
04"	05"	7	3"	8 1/2"	10"	12 3/4"	2 1/2"	2,371.00	2,503.00	2,600.00	22
02"	06"	9	1 3/4"	5"	6 3/4"	9 1/2"	2"	1,971.00	2,162.00	2,281.00	22
03"	06"	9	2 1/4"	4 1/2"	9"	12 1/4"	2"	1,971.00	2,162.00	2,281.00	22
04"	06"	9	3"	8 1/2"	10"	12 3/4"	2 1/2"	2,478.00	2,669.00	2,789.00	21
02"	07"	14	1 3/4"	5"	6 3/4"	9 1/2"	2"	2,153.00	2,301.00	2,445.00	31
03"	07"	14	2 1/4"	4 1/2"	9"	12 1/4"	2"	2,153.00	2,301.00	2,445.00	31
04"	07"	14	3"	8 1/2"	10"	12 3/4"	2 1/2"	2,660.00	2,808.00	2,952.00	31
02"	08"	17	1 3/4"	5"	6 3/4"	9 1/2"	2"	2,401.00	2,571.00	2,738.00	39
03"	08"	17	2 1/4"	4 1/2"	9"	12 1/4"	2"	2,401.00	2,571.00	2,738.00	39
04"	08"	17	3"	8 1/2"	10"	12 3/4"	2 1/2"	2,908.00	3,078.00	3,244.00	40

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

NOTE: For body only pricing see Fig. 2020, 2021.

*REGULARLY FURNISHED

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (3531)	S02, S03, S04	N/C
Threaded (3530)	T02, T03, T04	N/C

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-BFV	Ball Float Backwater Valve	587.00
-G	Galvanized Body	648.00
-P	Trap Primer Conn	255.00
-NH	High Aux Inlet	536.00
-U	Vandal Proof Screws	86.00
	3581 6" Dia Funnel, PB or NB	318.00
	CP	345.00
	3590 6x2 1/2x1" Funnel	N/C
	Funnel Threaded into Grate	418.00

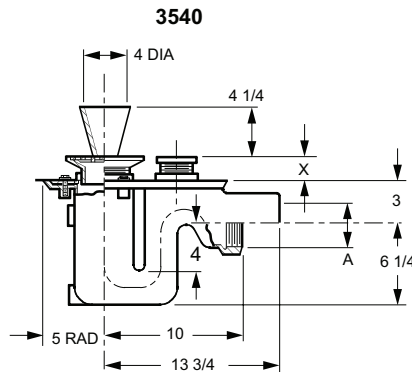
Drain Body Only	Duco CI	Galv CI
02, 03"	1,030.00	1,678.00
04"	1,174.00	1,822.00

A OUTLET SIZE	STRAINER SIZE DIA.	FREE AREA SQ. IN. DIA.	B	C	D	E	F SEAL	PB TOP & FUNNEL	†NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
02"	05"	7	1 3/4"	5 1/4"	5"	8"	2"	2,014.00	2,147.00	2,244.00	25
03"	05"	7	2"	7"	8"	10"	2 1/4"	2,014.00	2,147.00	2,244.00	25
04"	05"	7	3"	8"	10"	12 3/4"	2 1/2"	2,158.00	2,291.00	2,388.00	26
02"	06"	9	1 3/4"	5 1/4"	5"	8"	2"	2,123.00	2,312.00	2,432.00	26
03"	06"	9	2"	7"	8"	10"	2 1/4"	2,123.00	2,312.00	2,432.00	26
04"	06"	9	3"	8"	10"	12 3/4"	2 1/2"	2,267.00	2,456.00	2,577.00	24
02"	07"	14	1 3/4"	5 1/4"	5"	8"	2"	2,305.00	2,452.00	2,596.00	28
03"	07"	14	2"	7"	8"	10"	2 1/4"	2,305.00	2,452.00	2,596.00	28
04"	07"	14	3"	8"	10"	12 3/4"	2 1/2"	2,449.00	2,596.00	2,741.00	28
02"	08"	17	1 3/4"	5 1/4"	5"	8"	2"	2,553.00	2,723.00	2,889.00	35
03"	08"	17	2"	7"	8"	10"	2 1/4"	2,553.00	2,723.00	2,889.00	35
04"	08"	17	3"	8"	10"	12 3/4"	2 1/2"	2,697.00	2,867.00	3,033.00	39

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

NOTE: For body only pricing see Fig. 2030.

FIG. 3540-F11 SERIES FUNNEL-CEPTOR® INDIRECT WASTE DRAINS WITH ADJUSTABLE STRAINER HEADS

**OUTLET VARIATIONS** (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (3541)	S02, S03, S04	N/C
Threaded (3540)	T02, T03, T04	N/C

OPTIONS:		ADD
-B	Sediment Bucket	168.00
-G	Galvanized Body	818.00
-NH	High Aux Inlet	536.00
-NL	Low Auxiliary Inlet	536.00
-P	Trap Primer Conn	255.00
-U	Vandal Proof Screws	86.00
	Funnel Threaded into Grate	418.00
	3581 6" Dia Funnel, PB or NB	318.00
	CP	345.00
	3590 6x2 1/2x1" Funnel	N/C

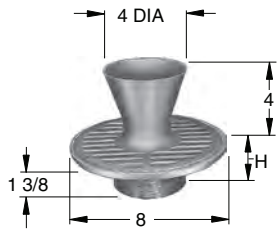
Drain Body Only	Duco CI	Galv CI
02, 03, 04"	1,755.00	2,573.00

A OUTLET SIZE	STRAINER SIZE DIA.	FREE AREA SQ. IN. DIA.	X MIN.	X MAX.	PB TOP & FUNNEL	†NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
02, 03, 04"	05"	7	1 1/4"	2 1/4"	2,740.00	2,872.00	2,970.00	37
02, 03, 04"	06"	7	1 1/4"	2 1/4"	2,848.00	3,038.00	3,158.00	39
02, 03, 04"	07"	7	1 1/4"	2 1/4"	3,029.00	3,178.00	3,322.00	41
02, 03, 04"	08"	9	1 1/2"	2 1/2"	3,278.00	3,447.00	3,608.00	43

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

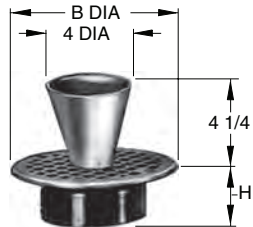
NOTE: For body only pricing see Fig. 2040.

*REGULARLY FURNISHED



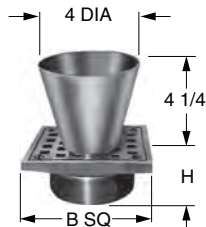
Suffix -F10

SUFFIX NUMBER	TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F10	8"	2 3/8"	1,641.00	1,869.00	2,058.00	8

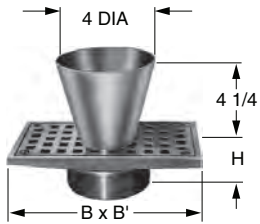


Suffix -F11

SUFFIX NUMBER	TOP SIZE B DIA. or SQ.	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F11	5"	2"	988.00	1,118.00	1,223.00	5
-F11	6"	2"	1,093.00	1,284.00	1,404.00	6
-F11	7"	2 1/4"	1,271.00	1,423.00	1,560.00	7
-F11	8"	2 1/2"	1,527.00	1,693.00	1,860.00	8
-F11	9"	2 1/2"	1,982.00	2,174.00	2,388.00	11
-F11	10"	2 3/4"	1,982.00	2,174.00	2,388.00	13
-F12	5" x 5"	2"	1,184.00	1,364.00	1,491.00	5
-F12	6" x 6"	2"	1,327.00	1,480.00	1,632.00	6
-F12	7" x 7"	2 1/4"	1,521.00	1,698.00	1,865.00	7
-F12	8" x 8"	2 1/2"	1,737.00	1,987.00	2,169.00	9
-F12	9" x 9"	2 1/2"	2,144.00	2,420.00	2,652.00	11
-F12	10" x 10"	2 3/4"	2,665.00	2,943.00	3,233.00	13

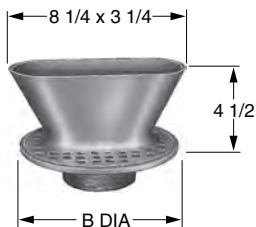


Suffix -F12



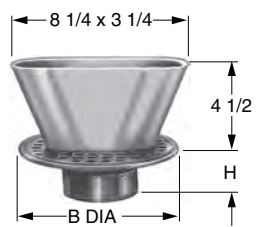
Suffix -F13, -F14, -F15, -F16
-F17 & -F18

SUFFIX NUMBER	TOP SIZE B x B'	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F13	4 1/4" x 8"	2 1/4"	1,794.00	2,011.00	2,207.00	6
-F14	4" x 12"	2 1/2"	2,002.00	2,345.00	2,572.00	11
-F15	5" x 9"	2 1/4"	1,794.00	2,011.00	2,207.00	7
-F16	5" x 13"	3"	2,294.00	2,594.00	2,844.00	11
-F17	5" x 17"	3"	2,441.00	2,739.00	3,015.00	16
-F18	6" x 10"	2 1/4"	2,294.00	2,594.00	2,844.00	11

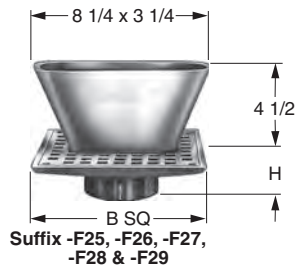


Suffix -F19

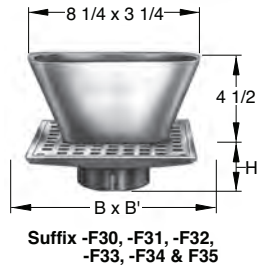
SUFFIX NUMBER	TOP SIZE B DIA.	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F19	8"	2 1/2"	2,353.00	2,614.00	2,870.00	8
-F20	6"	2"	1,796.00	1,988.00	2,179.00	9
-F21	7"	2 1/4"	1,978.00	2,133.00	2,345.00	10
-F22	8"	2 1/2"	2,232.00	2,400.00	2,642.00	11
-F23	9"	2 1/2"	2,685.00	2,881.00	3,161.00	14
-F24	10"	2 3/4"	2,685.00	2,881.00	3,161.00	16



Suffix -F20, -F21, -F22,
-F23 & -F24



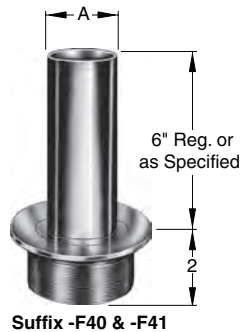
SUFFIX NUMBER	TOP SIZE B SQ.	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F25	6" x 6"	2"	2,031.00	2,187.00	2,405.00	9
-F26	7" x 7"	2 1/4"	2,224.00	2,407.00	2,650.00	10
-F27	8" x 8"	2 1/2"	2,438.00	2,693.00	2,948.00	12
-F28	9" x 9"	2 1/2"	2,850.00	3,123.00	3,432.00	14
-F29	10" x 10"	2 3/4"	3,375.00	3,654.00	4,018.00	17



SUFFIX NUMBER	TOP SIZE B x B'	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F30	4 1/4" x 8"	2 1/2"	2,495.00	2,713.00	2,974.00	9
-F31	4" x 12"	2 1/2"	2,706.00	3,051.00	3,350.00	14
-F32	5" x 9"	2 1/4"	2,495.00	2,713.00	2,974.00	9
-F33	5" x 13"	3"	2,996.00	3,301.00	3,719.00	14
-F34	6" x 10"	2 1/4"	2,995.00	3,301.00	3,625.00	14
-F35	5" x 17"	3"	3,142.00	3,443.00	3,785.00	19



SUFFIX NUMBER	TOP SIZE B DIA.	H	DUCO CI	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F37	7"	3 1/4"	536.00	1,295.00	1,439.00	1,584.00	10
-F38	9"	3 1/2"	736.00	1,943.00	2,141.00	2,347.00	13



SUFFIX NUMBER	A SIZE	STANDPIPE HEIGHT	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
-F40	2"	6"	1,702.00	2,164.00	2,451.00	10
For ea additional 1" Height			149.00	211.00	224.00	
-F41	3"	6"	2,639.00	2,930.00	3,274.00	13
For ea additional 1" Height			261.00	298.00	345.00	

FIG. 3580, 3581, 3590, 3591 FUNNEL ASSEMBLIES ONLY

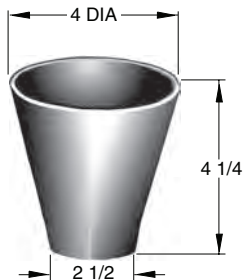


Fig. 3580



Fig. 3590

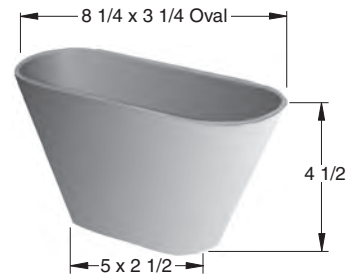


Fig. 3591

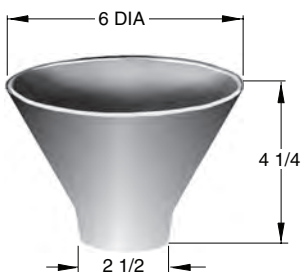


Fig. 3581

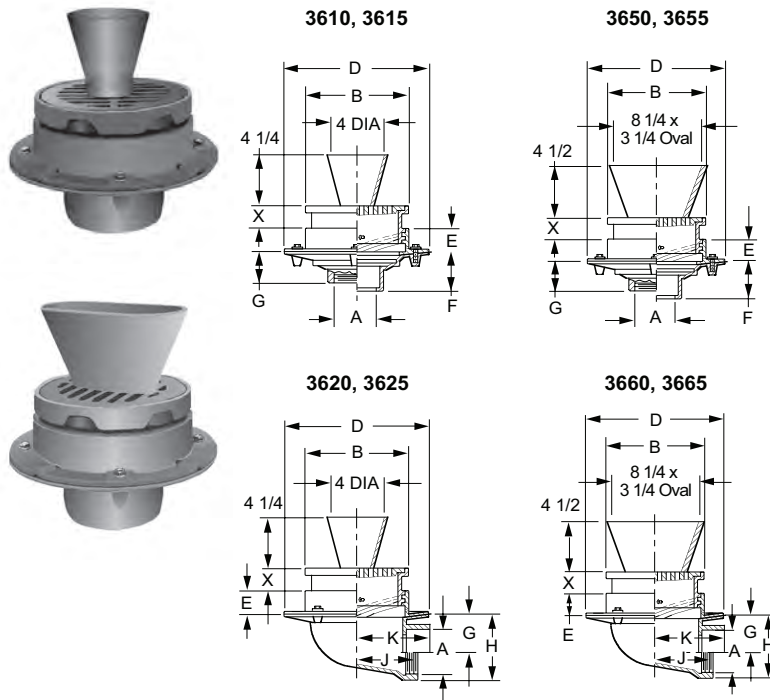
FIG. NO.	DESCRIPTION	†CI	GALV	ARC CI	RB	PB	NB	CP
3580	4" x 4 1/2"	298.00	394.00	618.00	471.00	568.00	705.00	725.00
3581	6" x 4 1/4"	476.00	630.00	763.00	779.00	879.00	1,044.00	1,075.00
3590	6" x 2 1/2" x 1"	276.00	361.00	593.00	470.00	567.00	661.00	722.00
3591	8 1/4" x 3 1/4" x 4 1/2"	661.00	768.00	986.00	1,075.00	1,274.00	1,367.00	1,503.00

OPTIONS:	ADD
Male Threaded Funnel (Fig. 3580)	149.00

*REGULARLY FURNISHED

SANITARY DRAINS

FIG. 3610, 3615, 3650, 3655 FUNNEL-CEPTOR® INDIRECT WASTE DRAINS, BOTTOM OUTLET, ADJ. ROUND TOP AND ROUND FUNNEL
FIG. 3620, 3625, 3660, 3665 FUNNEL-CEPTOR® INDIRECT WASTE DRAINS, SIDE OUTLET, ADJ. ROUND TOP AND OVAL FUNNEL



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Speedi-Set® SW	L02, L03, L04 Bottom Outlet Drains	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 Bottom Outlet Drains	N/C
Threaded	T02, T03, T04, T05, T06 Bottom Outlet Drains For Side Outlet Drains	120.00 N/C
No-Hub	Y02, Y03, Y04 Bottom Outlet Drains	N/C
	Y02, Y03, Y04 8 1/2" Side Outlet Drains	See Fig. 2646Y
	Y02, Y03, Y04 12" Side Outlet Drains	N/C
	Y05, Y06 12" Side Outlet Drains	See Fig. 2646Y

OPTIONS:		ADD
-B	Sediment Bucket for 8 1/2" Drains for 12" Drains	215.00 396.00
-P	Trap Primer Connection	255.00
-SG	Secured Grate	228.00
-U	Vandal Proof Screws	228.00

FIG. NO.	A OUTLET SIZE	B DIA. TOP SIZE	D DIA.	E	F	G THD	*X MIN.	*X MAX.	FREE AREA SQ. IN.	DUCO +CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3610	02, 03, 04"	8 1/2"	11 1/2"	2"	3 3/4"	2"	1 1/4"	2 3/4"	14.25	1,383.00	2,366.00	2,517.00	2,862.00	33
3615	02, 03, 04"	12"	15 1/4"	2 1/2"	5"	3 3/4"	1 5/8"	2 7/8"	28.5	2,916.00	4,223.00	4,484.00	4,528.00	58
3615	05, 06"▲	12"	15 1/4"	2 1/2"	5"	3 3/4"	1 5/8"	2 7/8"	28.5	2,916.00	4,223.00	4,484.00	4,528.00	58
3650	02, 03, 04"	8 1/2"	11 1/2"	2"	3 3/4"	2"	1 1/4"	2 3/4"	14.25	1,772.00	3,061.00	3,321.00	3,636.00	33
3655	02, 03, 04"	12"	15 1/4"	2 1/2"	5"	3 3/4"	1 5/8"	2 7/8"	28.5	3,309.00	4,924.00	5,188.00	5,305.00	58
3655	05, 06"▲	12"	15 1/4"	2 1/2"	5"	3 3/4"	1 5/8"	2 7/8"	28.5	3,309.00	4,924.00	5,188.00	5,305.00	58

*Add 1/4" when bronze top is specified.

▲6" Outlets only available w/12" Tops.

FIG. NO.	A OUTLET SIZE	B DIA. TOP SIZE	D DIA.	E	G	H	J	K	X MIN.	X MAX.	FREE AREA SQ. IN.	DUCO +CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3620	02"	8 1/2"	12"	2"	4 1/4"	6"	4"	5 1/2"	1 1/4"	2 3/4"	14.25	2,053.00	3,036.00	3,292.00	3,595.00	33
3620	03"	8 1/2"	12"	2"	3 3/4"	6"	4"	5 1/2"	1 1/4"	2 3/4"	14.25	2,053.00	3,036.00	3,292.00	3,595.00	33
3620	04"	8 1/2"	12"	2"	3 1/4"	6"	4"	5 1/2"	1 1/4"	2 3/4"	14.25	2,053.00	3,036.00	3,292.00	3,595.00	33
3625	02"	12"	15 1/4"	2 1/2"	6 1/2"	9"	6"	6 3/4"	1 5/8"	2 7/8"	28.5	3,240.00	4,546.00	4,807.00	5,171.00	58
3625	03"	12"	15 1/4"	2 1/2"	6"	9"	6"	6 3/4"	1 5/8"	2 7/8"	28.5	3,240.00	4,546.00	4,807.00	5,171.00	58
3625	04"	12"	15 1/4"	2 1/2"	5 1/2"	9"	6"	6 3/4"	1 5/8"	2 7/8"	28.5	3,240.00	4,546.00	4,807.00	5,171.00	58
3625	05"	12"	15 3/4"	2 1/2"	5"	9"	6 3/4"	7 3/4"	1 5/8"	2 7/8"	28.5	3,240.00	4,546.00	4,807.00	5,171.00	58
3625	06"	12"	15 3/4"	2 1/2"	4"	9"	6 3/4"	7 3/4"	1 5/8"	2 7/8"	28.5	3,240.00	4,546.00	4,807.00	5,171.00	58
3660	02"	8 1/2"	12"	2"	4 1/2"	6"	4"	5 1/2"	1 1/4"	2 3/4"	14.25	2,449.00	3,738.00	3,997.00	4,380.00	33
3660	03"	8 1/2"	12"	2"	3 3/4"	6"	4"	5 1/2"	1 1/4"	2 3/4"	14.25	2,449.00	3,738.00	3,997.00	4,380.00	33
3660	04"	8 1/2"	12"	2"	3 1/4"	6"	4"	5 1/2"	1 1/4"	2 3/4"	14.25	2,449.00	3,738.00	3,997.00	4,380.00	33
3665	02"	12"	15 1/4"	2 1/2"	6 7/8"	9"	6"	6 3/4"	1 5/8"	2 7/8"	28.5	3,629.00	5,244.00	5,507.00	5,947.00	58
3665	03"	12"	15 1/4"	2 1/2"	6 3/8"	9"	6"	6 3/4"	1 5/8"	2 7/8"	28.5	3,629.00	5,244.00	5,507.00	5,947.00	58
3665	04"	12"	15 1/4"	2 1/2"	5 7/8"	9"	6"	6 3/4"	1 5/8"	2 7/8"	28.5	3,629.00	5,244.00	5,507.00	5,947.00	58
3665	05"	12"	15 3/4"	2 1/2"	5"	9"	6 3/4"	7 3/4"	1 5/8"	2 7/8"	28.5	3,629.00	5,244.00	5,507.00	5,947.00	58
3665	06"	12"	15 3/4"	2 1/2"	4 1/2"	9"	6 3/4"	7 3/4"	1 5/8"	2 7/8"	28.5	3,629.00	5,244.00	5,507.00	5,947.00	58

REGULARLY FURNISHED: Duco Cast Iron Flanged Receptor and Flashing Collar with Adjustable Top, Bar Grate and Funnel.

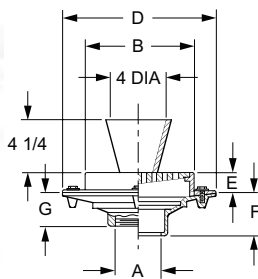
*REGULARLY FURNISHED

SANITARY DRAINS

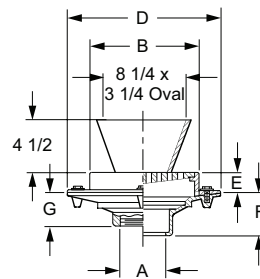
FIG. 3710, 3715 3750, 3755 FUNNEL-CEPTOR® INDIRECT WASTE DRAINS, BOTTOM OUTLET, ROUND TOP AND ROUND FUNNEL
FIG. 3720, 3725 3760, 3765 FUNNEL-CEPTOR® INDIRECT WASTE DRAINS, SIDE OUTLET, ROUND TOP AND OVAL FUNNEL



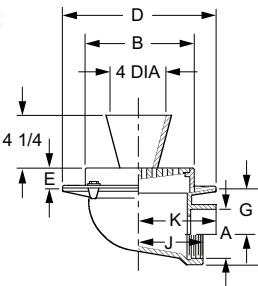
3710, 3715



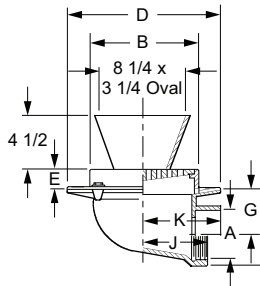
3750, 3755



3720, 3725



3760, 3765



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Speedi-Set® SW	L02, L03, L04 Bottom Outlet Drains	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 Bottom Outlet Drains	N/C
Threaded	T02, T03, T04, T05, T06 Bottom Outlet Drains For Side Outlet Drains	120.00 N/C
No-Hub	Y02, Y03, Y04 Bottom Outlet Drains	N/C
	8 1/2" Side Outlet Drains	See Fig. 2646Y
	Y02, Y03, Y04 12" Side Outlet Drains	N/C
	Y05, Y06 12" Side Outlet Drains	See Fig. 2646Y

OPTIONS:		ADD
-B	Sediment Bucket for 8 1/2" Drains for 12" Drains	215.00 289.00
-P	Trap Primer Connection	255.00
-SG	Secured Grate	228.00
-U	Vandal Proof Screws	228.00

FIG. NO.	A OUTLET SIZE	B DIA. TOP SIZE	D DIA.	*E	F	G THD	FREE AREA SQ. IN.	DUCO +CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3710	02, 03, 04"	8 1/2"	11 1/2"	2"	3 3/4"	2"	14.25	1,064.00	2,047.00	2,303.00	2,519.00	33
3715	02, 03, 04"	12"	15 1/4"	2 1/2"	5"	3 3/4"	28.5	1,899.00	3,205.00	3,466.00	3,805.00	58
3715	05, 06"▲	12"	15 1/4"	2 1/2"	5"	3 3/4"	28.5	1,899.00	3,205.00	3,466.00	3,805.00	58
3750	02, 03, 04"	8 1/2"	11 1/2"	2"	3 3/4"	2"	14.25	1,455.00	2,745.00	3,004.00	3,292.00	33
3755	02, 03, 04"	12"	15 1/4"	2 1/2"	5"	3 3/4"	28.5	2,294.00	3,908.00	4,172.00	4,588.00	58
3755	05, 06"▲	12"	15 1/4"	2 1/2"	5"	3 3/4"	28.5	2,294.00	3,908.00	4,172.00	4,588.00	58

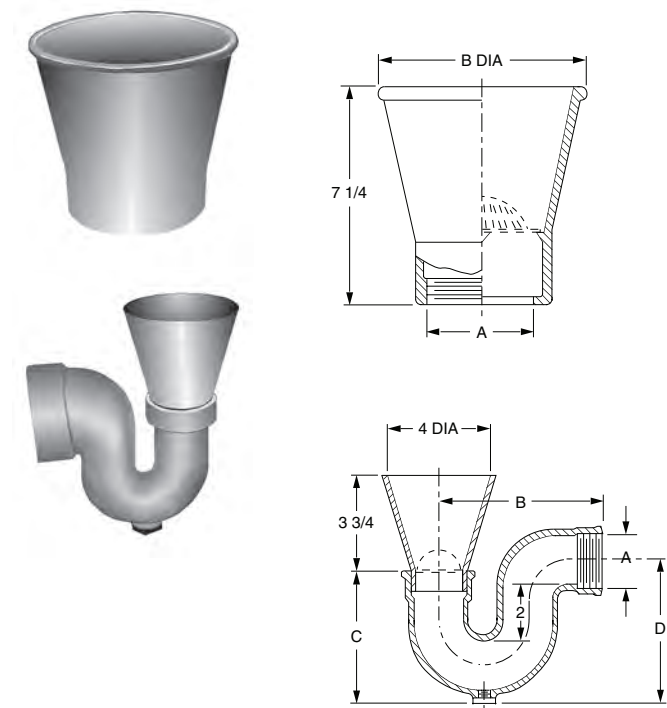
*Add 1/8" when bronze top is specified.

▲ 6" Outlets only available w/12" Tops.

FIG. NO.	A OUTLET SIZE	B DIA. TOP SIZE	D DIA.	*E	G	H	J	K	FREE AREA SQ. IN.	DUCO +CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3720	02"	8 1/2"	12"	2"	4 1/4"	6"	4"	5 1/2"	14.25	1,736.00	2,720.00	2,976.00	3,259.00	33
3720	03"	8 1/2"	12"	2"	3 3/4"	6"	4"	5 1/2"	14.25	1,736.00	2,720.00	2,976.00	3,259.00	33
3720	04"	8 1/2"	12"	2"	3 1/4"	6"	4"	5 1/2"	14.25	1,736.00	2,720.00	2,976.00	3,259.00	33
3725	02"	12"	15 1/4"	2 1/2"	6 7/8"	9"	6"	6 3/4"	28.5	2,928.00	4,234.00	4,332.00	4,656.00	58
3725	03"	12"	15 1/4"	2 1/2"	6 3/8"	9"	6"	6 3/4"	28.5	2,928.00	4,234.00	4,332.00	4,656.00	58
3725	04"	12"	15 1/4"	2 1/2"	5 7/8"	9"	6"	6 3/4"	28.5	2,928.00	4,234.00	4,332.00	4,656.00	58
3725	05"	12"	15 3/4"	2 1/2"	5"	9"	6 3/4"	7 3/4"	28.5	2,928.00	4,234.00	4,332.00	4,656.00	58
3725	06"	12"	15 3/4"	2 1/2"	4"	9"	6 3/4"	7 3/4"	28.5	2,928.00	4,234.00	4,332.00	4,656.00	58
3760	02"	8 1/2"	12"	2"	4 1/4"	6"	4"	5 1/2"	14.25	2,121.00	3,410.00	3,670.00	4,035.00	33
3760	03"	8 1/2"	12"	2"	3 3/4"	6"	4"	5 1/2"	14.25	2,121.00	3,410.00	3,670.00	4,035.00	33
3760	04"	8 1/2"	12"	2"	3 1/4"	6"	4"	5 1/2"	14.25	2,121.00	3,410.00	3,670.00	4,035.00	33
3765	02"	12"	15 1/4"	2 1/2"	6 7/8"	9"	6"	6 3/4"	28.5	3,319.00	4,934.00	5,196.00	5,432.00	58
3765	03"	12"	15 1/4"	2 1/2"	6 3/8"	9"	6"	6 3/4"	28.5	3,319.00	4,934.00	5,196.00	5,432.00	58
3765	04"	12"	15 1/4"	2 1/2"	5 7/8"	9"	6"	6 3/4"	28.5	3,319.00	4,934.00	5,196.00	5,432.00	58
3765	05"	12"	15 3/4"	2 1/2"	5"	9"	6 3/4"	7 3/4"	28.5	3,319.00	4,934.00	5,196.00	5,432.00	58
3765	06"	12"	15 3/4"	2 1/2"	4 1/2"	9"	6 3/4"	7 3/4"	28.5	3,319.00	4,934.00	5,196.00	5,432.00	58

REGULARLY FURNISHED: Duco Cast Iron Flanged Receptor, Bar Grate and Funnel.

*REGULARLY FURNISHED



OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04, T06 (3811 thru 3814 only)	153.00
No-Hub	Y02, Y03, Y04, Y06 (3811 thru 3814 only) Y02, Y03 (3821 thru 3824)	See Fig. 2646Y for list add to Threaded body price

OPTIONS:		ADD
-DBS	Aluminum Dome Bottom Strainer	183.00
-DBS	ARC CI DBS Figs 3811 or 3821	178.00
-DBS	Duco CI DBS Figs 3812 or 3822	136.00
-DBS	Cast Bronze DBS Figs 3813 or 3823	178.00
-DBS	Chrome Plated DBS Figs 3814 or 3824	329.00
-FC	Front Cleanout (Trap Series Only)	N/C
-NB	4" Dia NB Funnel w/Bronze Trap (Add to 3823)	92.00
-NB6	6" Dia NB Funnel w/Bronze Trap (Add to 3823)	411.00

FUNNEL ONLY - REGULARLY FURNISHED CAULK OUTLET					
FIG. NO.	DESCRIPTION	A PIPE SIZE			
		02"	03"	04"	06"
3811	Cast Iron with ARC Interior & Exterior	1,075.00	1,174.00	1,660.00	1,708.00
3812	Duco Cast Iron	587.00	686.00	1,174.00	1,218.00
3813	Cast Bronze	1,396.00	1,461.00	3,100.00	4,175.00
3814	Polished Chrome Plated Cast Bronze	1,609.00	1,687.00	3,319.00	4,612.00
B DIA.		6	7	8	10
APPROX. WT. LBS.		6	8	10	10
FUNNEL WITH TRAP - THREADED OUTLET ONLY					
FIG. NO.	DESCRIPTION	A PIPE SIZE			ADD FOR 6" DIA. FUNNEL
		0150"	02"	03"	
3821	Cast Iron with ARC Interior & Exterior	1,078.00	1,575.00	1,819.00	168.00
3822	Duco Cast Iron	686.00	1,132.00	1,324.00	168.00
3823	Cast Bronze	2,024.00	2,024.00	3,300.00	316.00
3824	Polished Chrome Plated Cast Bronze	3,123.00	3,123.00	3,817.00	345.00
B		6	6	6	
C		5	5	6	
D		5 1/2	5 1/2	6	
APPROX. WT. LBS.		9	9	13	2

REGULARLY FURNISHED: As described by Figure Number.

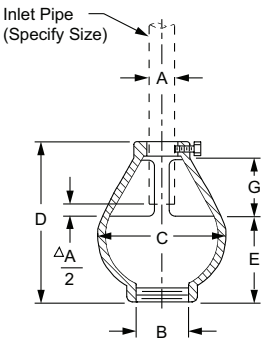


Fig. 3950T
THREADED OUTLET ONLY
(Specify A + B)

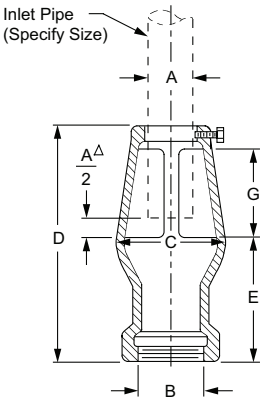


Fig. 3951T
THREADED OUTLET ONLY
(Specify A + B)

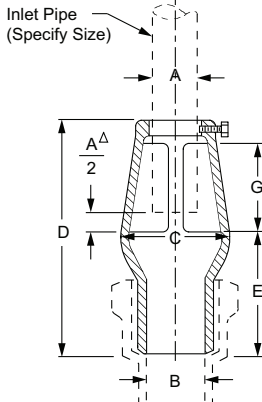


Fig 3955S
NO-HUB OR SPIGOT OUTLET
(Specify A + B)

$\frac{A}{2}$ = 1/2 Dia. of Inlet Pipe MIN

FIG. NO.	A INLET SIZE	B OUTLET SIZE	C	D	E	G	DUCO †CI TOP	GALV CI (G)	CAST BRONZE (CB)	APPROX. WEIGHT LBS.
3950	0250"	075"	3"	3"	1 3/4"	1"	485.00	805.00	578.00	2
3950	050"	075"	4 1/4"	5 1/2"	3"	2"	485.00	805.00	578.00	2
3950	050"	01"	4 1/4"	5 1/2"	3"	2"	534.00	854.00	626.00	2
3950	075"	0150"	4 1/4"	5 1/2"	3"	2"	674.00	994.00	1,018.00	2 1/2
3950	01"	0150"	4 1/4"	5 1/2"	3"	2"	674.00	994.00	1,018.00	2 1/2
3951	01"	02"	3 1/2"	8"	4 1/4"	3"	536.00	856.00	1,040.00	4
3951	0125"	02"	3 1/2"	8"	4 1/4"	3"	536.00	856.00	1,040.00	4
3951	0150"	02"	3 1/2"	8"	4 1/4"	3"	536.00	856.00	1,040.00	4
3951	02"	03"	4 1/2"	11 1/2"	6 1/2"	4"	655.00	975.00	1,565.00	10
3951	03"	04"	6 1/2"	15 1/2"	8"	6"	897.00	1,217.00	2,911.00	19
3951	04"	06"	8 1/2"	20"	10"	8"	1,833.00	2,153.00	5,617.00	33
3955	01"	02"	3 1/2"	8"	4 1/4"	3"	468.00	788.00	1,032.00	4
3955	0125"	02"	3 1/2"	8"	4 1/4"	3"	468.00	788.00	1,032.00	4
3955	0150"	02"	3 1/2"	8"	4 1/4"	3"	468.00	788.00	1,032.00	4
3955	02"	03"	4 1/2"	11 1/2"	6 1/2"	4"	567.00	886.00	1,581.00	8
3955	03"	04"	6 1/2"	15 1/2"	8"	6"	833.00	1,153.00	2,041.00	19
3955	04"	06"	8 1/2"	20"	10"	8"	1,950.00	2,270.00	5,517.00	33

REGULARLY FURNISHED: Duco Cast Iron.

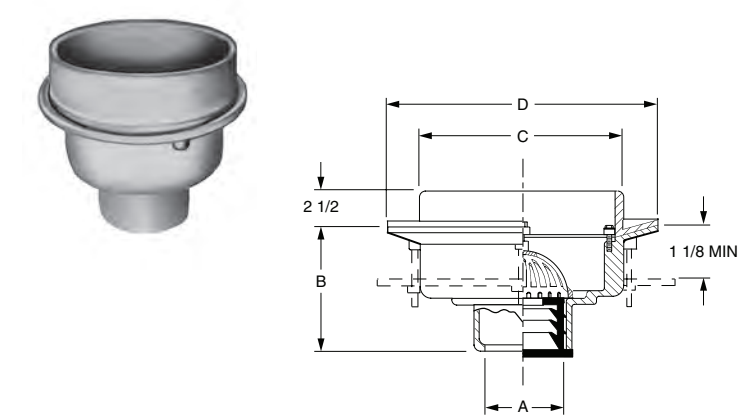


FIG. NO.	A OUTLET SIZE	C DIA. TOP SIZE	D DIA. FLANGE SIZE	†DUCO CI	GALV CI	APPROX. WEIGHT LBS.
3960	02, 03, 04"	7 1/4"	8 1/2"	922.00	1,228.00	16
3970	02, 03, 04"	10 1/2"	12"	1,121.00	1,735.00	28
3970	05, 06"	10 1/2"	12"	1,121.00	1,735.00	30
3980	02, 03, 04"	12 1/2"	15 1/4"	1,460.00	2,950.00	37
3980	05, 06"	12 1/2"	15 1/4"	1,956.00	3,445.00	-

REGULARLY FURNISHED: Duco Cast Iron Receptor with Solid Water Dam and Cast Iron Dome Bottom Strainer.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" BODY HT. DIM.	ADD
Inside Caulk	C02, C03, C04 (3960)	5 1/2"	N/C
	C02, C03, C04, C05, C06 (3970)	6"	N/C
	C02, C03, C04, C05, C06 (3980)	5"	N/C
Speedi-Set® SW	L02, L03, L04 (3960)	5 1/2"	N/C
	L02, L03, L04 (3970)	6"	N/C
	L02, L03, L04 (3980)	5"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04 (3960)	5 1/2"	N/C
	LXH02, LXH03, LXH04 (3970)	6"	N/C
	LXH02, LXH03, LXH04 (3980)	5"	N/C
Threaded	T02, T03, T04 (3960)	4 1/4"	120.00
	T02, T03, T04, T05, T06 (3970)	4 3/4"	120.00
	T02, T03, T04, T05, T06 (3980)	3 3/4"	120.00
No-Hub	Y02, Y03, Y04 (3960)	5 1/2"	N/C
	Y02, Y03, Y04, Y05, Y06 (3970)	6"	N/C
	Y02, Y03, Y04, Y05, Y06 (3980)	5"	N/C

OPTIONS:	ADD
-E	Extension, per inch, up to 4" (3960, 3970)
	Extension, up to 4" (3980)
	per inch over 4"
-C	Underdeck Clamp (3960, 3970)
	Underdeck Clamp (3980)
-R	Sump Receiver (3960, 3970)
	Sump Receiver (3980)

NOTES



CLEANOUTS AND ACCESS COVERS

ADJUSTABLE FLOOR CLEANOUTS



Fig. 4020



Fig. 4031



Fig. 4040



Fig. 4051



Fig. 4100



Fig. 4111



Fig. 4120



Fig. 4131



Fig. 4140



Fig. 4151



Fig. 4160



Fig. 4171



Fig. 4180



Fig. 4191



Fig. 4200



Fig. 4211



Fig. 4220



Fig. 4231



Fig. 4240



Fig. 4237



Fig. 4250



Fig. 4261



Fig. 4280



Fig. 4291

NON-ADJUSTABLE FLOOR CLEANOUTS



Fig. 4313



Fig. 4318



Fig. 4333



Fig. 4338



Fig. DX4343

FERRULES WITH ACCESS COVERS



Fig. 4402



Fig. 4422



Fig. 4430



Fig. 4431



Fig. 4432

CLEANOUTS AND ACCESS COVERS



FERRULES WITH ACCESS COVERS



Fig. 4433



Fig. 4434



Fig. 4435



Fig. 4436



Fig. 4437

CLEANOUT TEES



Fig. 4452



Fig. 4472



Fig. 4510



Fig. 4530

CLEANOUT TEES



Fig. 4550



Fig. 4555



Fig. 4710



Fig. 4715

WALL ACCESS COVERS



Fig. 4720



Fig. 4725



Fig. 4730



Fig. 4735



Fig. 4740



Fig. 4745

ACCESS DOORS



Fig. 4760 Series



Fig. 4770 Series



Fig. 4780 Series

FLOOR ACCESS COVERS



Fig. 4810



Fig. 4890



Fig. DX4890



Fig. 4910



Fig. 4915



Fig. 4930



Fig. 4940

ORDERING GUIDELINES

4000 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

4020S04 (-F-C-U)

Figure No. _____
Type of Outlet (Spigot) _____
Pipe Size (Inches) _____
Flashing Flange with Flashing Clamp _____
Vandal Proof _____

Drain Outlet Types:

C Caulk Outlet
T Threaded Outlet
Y NO-HUB Outlet
L Speedi-Set® Service Weight
(02, 03 & 04" sizes only)
LXH Speedi-Set® Extra Heavy
(02, 03 & 04" sizes only)

Example: Pipe Size (Inches)

02 - 2"
03 - 3"
04 - 4"
etc.

ADJUSTABLE FLOOR-LEVEL CLEANOUTS TECHNICAL DATA



HOW TO SELECT A FLOOR CLEANOUT

To make the proper "Cleanout Assembly" selection, the following steps are recommended.

SELECTION OF TOP

Shape
Style
Traffic Function
Material

SELECTION OF BODY

Outlet Type
Body Type

SELECTION OF CLOSURE PLUG

Ease Of Removal
Type Of Seal

SELECTION OF TOP

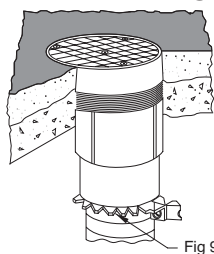


Fig. 1 Round Nickel Bronze Top

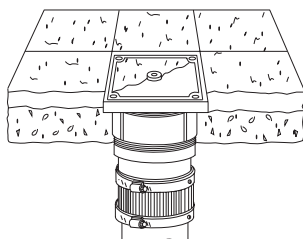


Fig. 2 Square Nickel Bronze Top with Tile Recess

Shape - The first step is to select a top which is compatible with the surrounding area. The exposed tops of floor-level cleanouts are considered as pieces of architectural trim. All Smith tops are carefully engineered for easy, fast and safe cover removal for quick access to the closure plug. Cleanout tops should be of the correct shape to blend with the surrounding floor and wall area.

A round top (Fig. 1) is easiest to orient in most floors since it will not conflict with most floor designs or require alignment to adjacent walls.

The square nickel bronze top (Fig. 2) is particularly adaptable to floors that are finished with materials of a square or straight line pattern.

Style - All floors in areas or rooms which have finished decorative floors and walls, will require finished floor cleanouts. Examples are offices, hospitals, banks, showrooms and many modern manufacturing areas.

A regular secured nickel bronze scoriated top (Fig. 1) is recommended for most finished floor areas. Nickel bronze non-skid tops blend with most finished floors. In floors where a minimum amount of metal is desired to be shown, cleanout tops are available with a recess to receive the floor materials. Tops are available with a shallow depression to receive vinyl or similar types of floor tile (Fig. 2) or with a lock-in design to receive terrazzo or ceramic tile fill (Fig. 3). All three types of finished floor tops are available in round or square patterns.

Most floors are considered finished floors and nickel bronze tops are recommended; however, there are some areas such as boiler rooms, warehouses and heavy manufacturing areas which may use heavy duty, cast iron tops. In these areas, strength and utility are of prime importance and beauty is a secondary consideration.

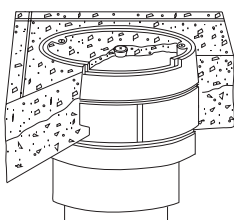


Fig. 3 Terrazzo Top

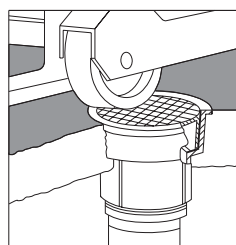


Fig. 4 Tractor-Type Heavy Duty Covers

Traffic Function - The top specified must be strong enough to safely carry the loads of anticipated traffic. The regular Smith nickel bronze top is a heavy duty design and can be used for all finished floor areas subject to foot and light vehicular traffic. For finished floors, where heavy traffic is anticipated, such as equipment showrooms, convention areas, etc., Smith offers heavy duty nickel bronze tops. For unfinished floors, subject to heavy vehicular traffic, round, heavy duty cast iron tops should be specified. Smith has available cast iron tops in heavy duty design and non-tilt tractor-type covers. The tractor-type cover (Fig. 4) cannot be tilted out of the cleanout top due to heavy vehicular traffic moving over it.

Material - For most finished floors, the Smith scoriated non-skid nickel bronze tops are recommended. Nickel bronze has excellent corrosion resistant qualities, is extremely serviceable, will not discolor and has an attractive surface. Nickel bronze tops will not rust stain the surrounding finished floor area as cast iron tops sometimes do. The "scuff-buff" action of foot traffic passing over a nickel bronze top will actually add to its appearance, giving it a soft silvery patina. Tops are available in special polished cast bronze, for use where tops must blend with other architectural trim.

SELECTION OF BODY

Outlet Type - Bodies which are used with adjustable floor-level cleanout assemblies are available with four types of outlet connections, spigot, Inside Caulk, NO-HUB and Speedi-Set® which can be effectively used, depending on the type of connection desired for piping used in the system and compliance with plumbing code stipulations.

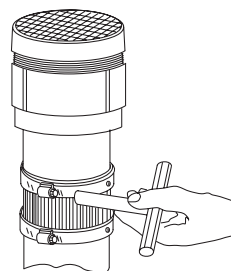


Fig. 5 NO-HUB Outlet Y

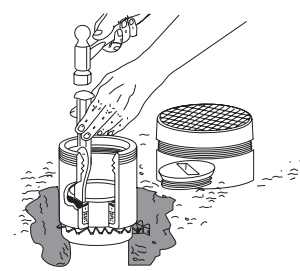


Fig. 6 Inside Caulk Outlet C

"NO HUB" outlet bodies (Fig. 5) are provided with a cut-off groove for added adjustment. Inside caulk outlet bodies (Fig. 6) are desirable when outside access to the joint is cramped or inaccessible. The inside caulk body also permits the use of bald end soil pipe pieces, thus effectively using random lengths of soil pipe without hub. Another advantage is that during the rough-in stage, odd lengths can be run up above the cut-off length and left until later. When cut-off elevation is finally established, these can then be snap-cut and the cleanout body caulked in place.

"Speedi-Set™" cleanouts (Fig. 7) are the easiest type to install. The "Speedi-Set™" Neoprene Gasket, will slide over a NO-HUB, Service Weight or Extra Heavy bald end soil pipe stub. Tops from Fig. 4020 thru 4250 series can be used with a "Speedi-Set™" body to achieve the desired cleanout assembly.

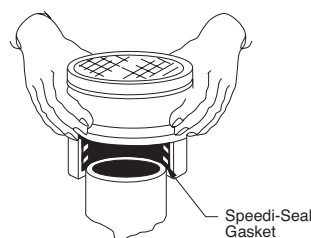


Fig. 7 Speedi-Set® Body L

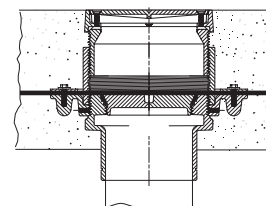


Fig. 8 With Flange -F and Flashing Clamp -C

Body Type - Occasionally cleanouts must be installed in areas where a continuous waterproof membrane is used. All variations of Smith Adjustable Floor-Level Cleanouts can be furnished with an integrally cast flange with a flashing clamp (Fig. 8). However, it must be noted that seepage control cannot be provided since cleanouts must be gas tight units. A flange is also desirable as it rigidly anchors the cleanout body in the concrete slab.

SELECTION OF CLOSURE PLUG

Ease of Removal - All Smith cleanout closures feature extra heavy plugs. The Smith countersunk type of design is regularly furnished and recommended. This type of plug has a slot sized to receive a piece of 1/2" bar stock, which eliminates the need for any special tools or wrenches (Fig. 9).

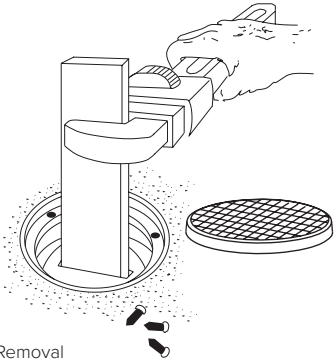


Fig. 9 Slotted Plug Removal

Type of Seal - All closures are gas tight and water tight. The gasket seal closure (Fig. 10) features a seal which is formed by the shoulder of the plug and the gasket seal. The taper thread type (Fig. 11) relies on the make up of the thread for the seal.

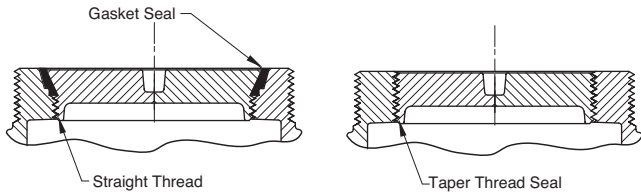


Fig. 10 Gasket Seal Closure

Fig. 11 Taper Thread Closure

FEATURES OF THE "TWIS-TO-FLOOR"® DESIGN

Smith engineers have designed a floor-level adjustable cleanout which features the "Twis-To-Floor"® concept (Fig. 12).

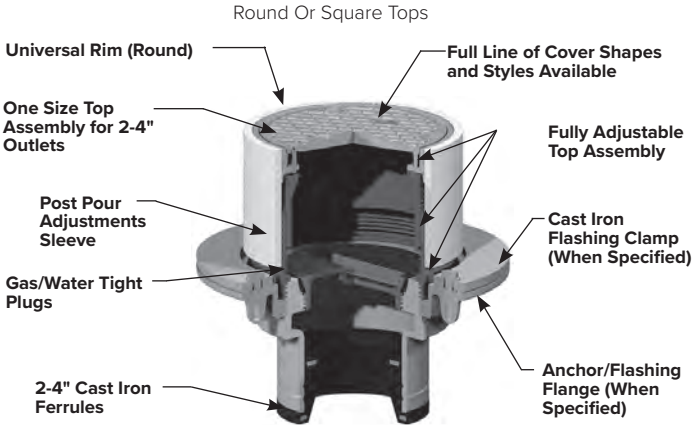


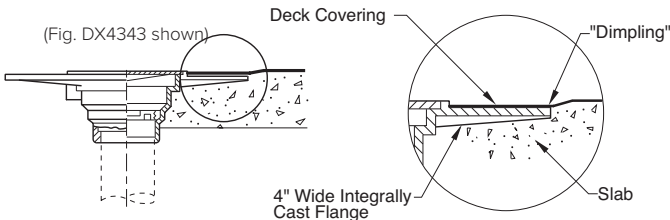
Fig. 12 The Twis-To-Floor® Cleanout

WIDE FLANGE CLEANOUTS

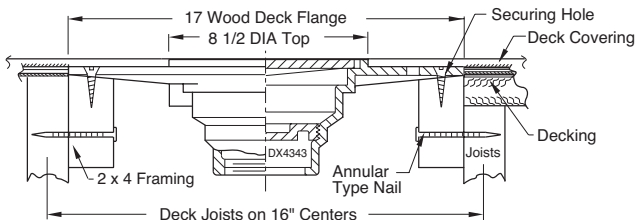
Prefix DX - Designates a wide flange that can be furnished on certain Smith Cleanouts. This flange receives and serves as a bonding base for the membranes and coatings of waterproof floor covering systems. These coverings consist of thin coatings which are applied in a series of trowel coats. The covering forms its own membrane, flashing and durable traffic surface. The wide DX flange is regularly furnished 4" in width. The usual covering is approximately 3/16" thick and may be applied over many sub-surfaces such as concrete, gypsum or wood decks. Such coverings are particularly adaptable to areaways, plazas, floors and corridors.

When DX flange is required on cleanouts other than those shown in this section, the prefix DX must be used with the figure number and the lip dimension must be specified. If waterproof deck covering thickness is greater (or less) than 3/16, the lip dimension must be specified. Cleanout body should be set low enough to permit "dimpling" of area surrounding drain.

Illustrated is a typical waterproof traffic bearing floor covering installation and an example of the "dimpling" effect.



WOOD DECK INSTALLATION



CARPETED FLOOR CLEANOUTS

Suffix -X - Carpet Clamping Frame (4020, 4025 and 4031 Series only). Adjustable cleanout assembly is installed with nickel bronze frame and secured cover flush with concrete slab (Fig. 13). This serves as a functional, safe, "Flush-with-Floor" cleanout, during period prior to carpet installation. Carpet is cut to fit around lower cleanout frame and cover is removed. Carpet is clamped against slab with "Carpet Clamping Frame." Cover is then installed and secured in clamping frame (Fig. 14).

INSTALLATION

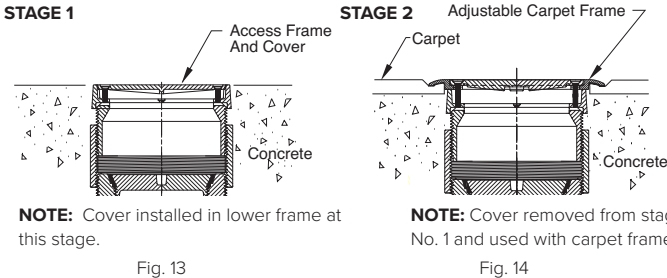


Fig. 13

Fig. 14

Suffix -Y - Carpet cleanout Marker (Fig. 15) - Used with 4020 and 4025 series cleanouts, 1 1/2" diameter stainless steel marker serves as cleanout locator in carpeted floors. When access to drain line is required, marker locates cleanout. Carpet over cleanout is cut for accessibility to closure plug. After drain line is cleaned, carpet is replaced and marker re-installed.

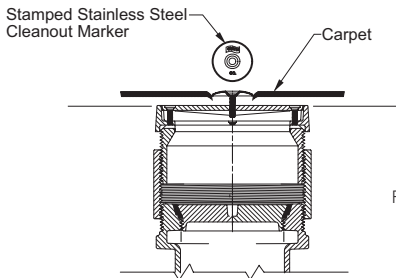
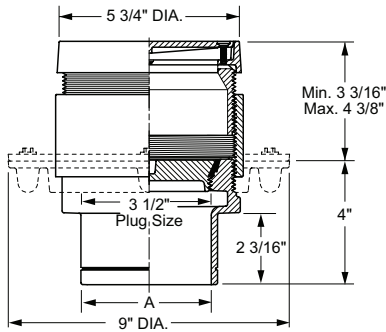


Fig. 15

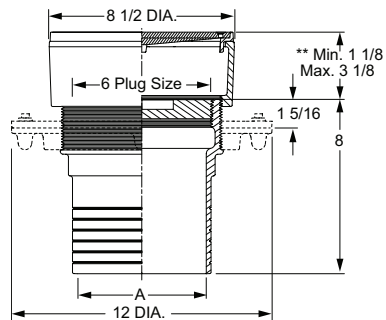
NOTE: For additional Cleanout and Access Cover technical or application data go to our web site at www.jrsmith.com or contact your local Jay R. Smith Representative.

NOTES





4020 SERIES

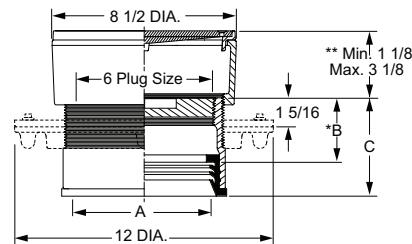


4023 SERIES



OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-NBSS	Stainless Steel Top (2", 3" & 4" sizes)	842.00
-U	Vandal Proof Screws	149.00
-X	Carpet Clamping Type	443.00
-Y	Carpet Marker Type	120.00

REPLACEMENT COVERS:		LIST
4020NBTOP4-NS		1,078.00
4020NBTOP6-NS		1,485.00
4020NBTOP4-NS-SS		1,924.00
4020PBTOP4-NS		897.00
4020PBTOP6-NS		1,383.00



4033 SERIES

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/8" becomes 1 5/8".

NOTE: For applications using core drilling, the largest diameter of the cleanout assembly is 6 5/16".

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4020S	4025C	4031L	*Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
Taper Thread Plug	*4024S	4029C	4034L	*Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	973.00	1,280.00	2,147.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4021S	4026C	4032L	*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	-	-
Taper Thread Plug	▼ 4023S**		4033L**	*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	3,196.00	3,517.00
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	3,103.00	3,424.00
Taper Thread Plug		4028C		*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	-	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Scoriated Secured Nickel Bronze Top. Closure Plug Type as Indicated By Figure Number Selected.

5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

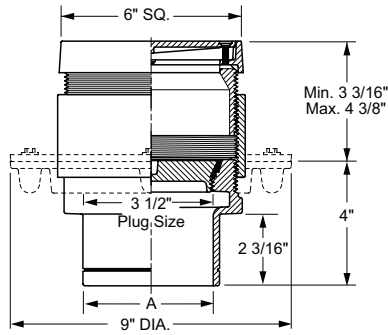
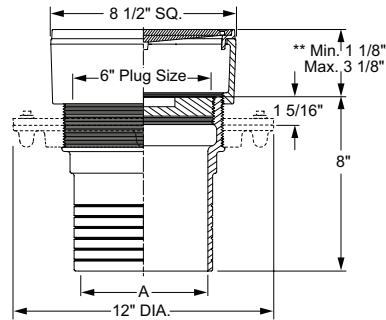
▷ 5" Available w/Spigot Outlet Only.

▼ Same as 4024 W/Taper Thread Bronze Plug.

* Same as 4023 W/Taper Thread ABS Plug.

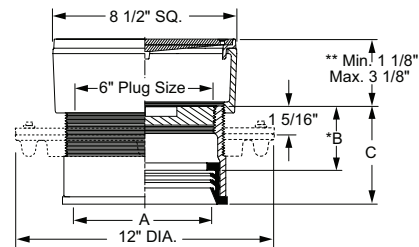
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

• Spigot Ferrules are Suitable for use with No-Hub Connections.

**4040 Series****4043 Series**

OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-U	Vandal Proof Screws	149.00
-Y	Carpet Marker Type	120.00

REPLACEMENT COVERS:	LIST
4040NBTOP4-NS	1,078.00
4040NBTOP6-NS	1,485.00
4040PBTOP4-NS	897.00
4040PBTOP6-NS	1,383.00

**4053 Series**

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/8" becomes 1 5/8"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4040S	4045C	4051L	†Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
Taper Thread Plug	4044S	4049C	4054L	†Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4041S	4046C	4052L	†Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	-	-
Taper Thread Plug	**4043S		**4053L	†Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	3,196.00	3,517.00
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	3,103.00	3,424.00
Taper Thread Plug		4048C		†Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	-	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Square Adjustable Scoriated Secured Nickel Bronze Top. Closure Plug Type as Indicated By Figure Number Selected.

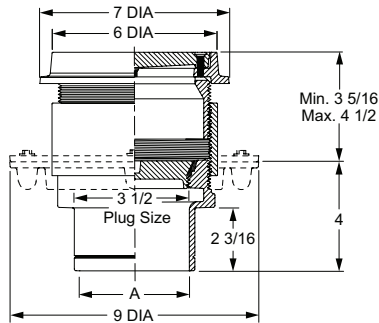
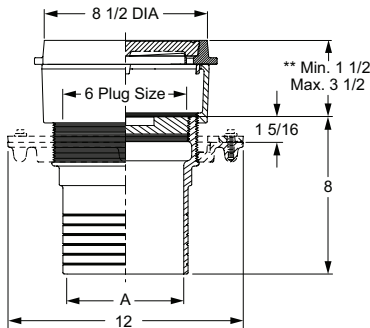
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

* Speedi-Set™ Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

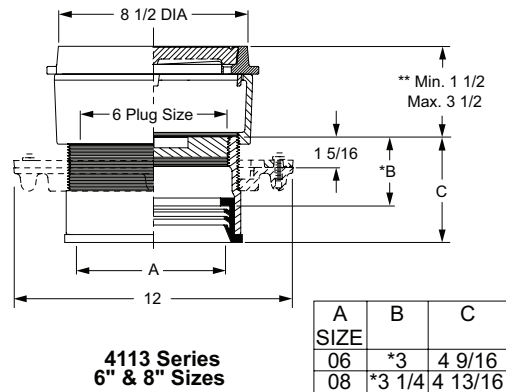
• Spigot Ferrules are Suitable for use with No-Hub Connections.

▷5" Available w/Spigot Outlet Only.


4100 Series
2" & 5" Sizes

4103 Series
6" & 8" Sizes

OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized Cl	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-U	Vandal Proof Screws	149.00

REPLACEMENT COVERS:	LIST
4100NBTOP4-NS	1,240.00
4100NBTOP6-NS	1,916.00
4100PBTOP4-NS	1,134.00
4100PBTOP6-NS	1,819.00


4113 Series
6" & 8" Sizes

** When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4100S	4105C	4111L	†Nickel Bronze (-NB)	1,214.00	1,274.00	1,612.00	2,487.00	-	-
				Polished Bronze (-PB)	1,122.00	1,181.00	1,519.00	2,395.00	-	-
Taper Thread Plug	4104S	4109C	4114L	†Nickel Bronze (-NB)	1,214.00	1,274.00	1,612.00	2,487.00	-	-
				Polished Bronze (-PB)	1,122.00	1,181.00	1,519.00	2,395.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4101S	4106C	4112L	†Nickel Bronze (-NB)	1,514.00	1,573.00	1,916.00	2,782.00	-	-
				Polished Bronze (-PB)	1,421.00	1,481.00	1,824.00	2,690.00	-	-
Taper Thread Plug	**4103S		**4113L	†Nickel Bronze (-NB)	1,514.00	1,573.00	1,916.00	2,782.00	3,436.00	3,762.00
				Polished Bronze (-PB)	1,421.00	1,481.00	1,824.00	2,690.00	3,344.00	3,670.00
Taper Thread Plug		4108C		†Nickel Bronze (-NB)	1,514.00	1,573.00	1,916.00	-	-	-
				Polished Bronze (-PB)	1,421.00	1,481.00	1,824.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Scoriated Secured Nickel Bronze Top. Closure Plug Type as Indicated By Figure Number Selected.

5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

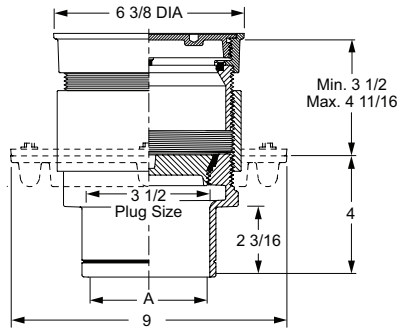
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVCE). LPVC applies to 6" pipe size only.

• Spigot Ferrules are Suitable for use with No-Hub Connections.

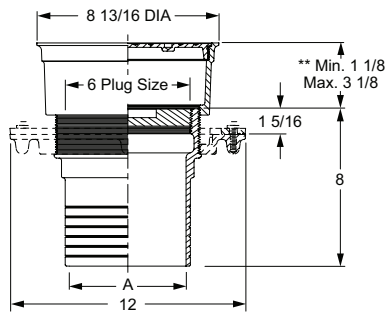
▷ 5" Available w/Spigot Outlet Only.

CLEANOUTS

FIG. 4120-4134 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE ROUND TOP W/THREADED SPANNER WRENCH COVER



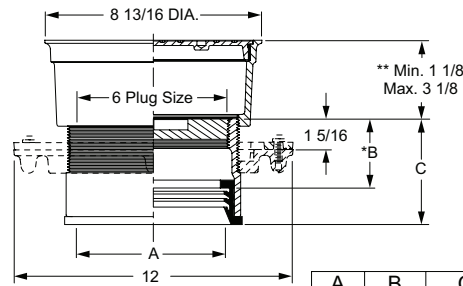
**4120 Series
2" - 5" Sizes**



**4123 Series
6" & 8" Sizes**

OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-SW	Spanner Wrench	215.00

REPLACEMENT COVERS:	LIST
4120NBTOP4-NS	1,161.00
4120NBTOP6-NS	1,983.00
4120PBTOP4-NS	1,066.00
4120PBTOP6-NS	1,890.00



**4133 Series
6" & 8" Sizes**

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/8" becomes 1 5/8"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4120S	4125C	4131L	*Nickel Bronze (-NB)	1,036.00	1,421.00	1,550.00	2,637.00	-	-
				Polished Bronze (-PB)	944.00	1,329.00	1,458.00	2,544.00	-	-
Taper Thread Plug	4124S	4129C	4134L	*Nickel Bronze (-NB)	1,036.00	1,421.00	1,550.00	2,637.00	-	-
				Polished Bronze (-PB)	944.00	1,329.00	1,458.00	2,544.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4121S	4126C	4132L	*Nickel Bronze (-NB)	1,332.00	1,717.00	1,860.00	2,935.00	-	-
				Polished Bronze (-PB)	1,240.00	1,625.00	1,768.00	2,842.00	-	-
Taper Thread Plug	**4123S		**4133L	*Nickel Bronze (-NB)	1,332.00	1,717.00	1,860.00	2,935.00	3,589.00	5,743.00
				Polished Bronze (-PB)	1,240.00	1,625.00	1,768.00	2,842.00	3,497.00	5,651.00
Taper Thread Plug		4128C		*Nickel Bronze (-NB)	1,332.00	1,717.00	1,860.00	-	-	-
				Polished Bronze (-PB)	1,240.00	1,625.00	1,768.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Scoriated Secured Nickel Bronze Top. Closure Plug Type as Indicated By Figure Number Selected.

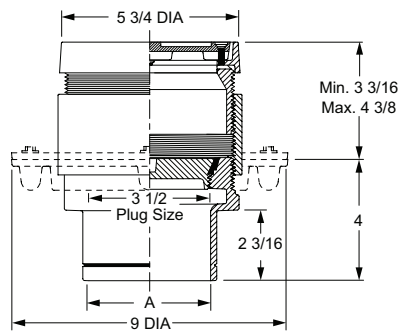
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

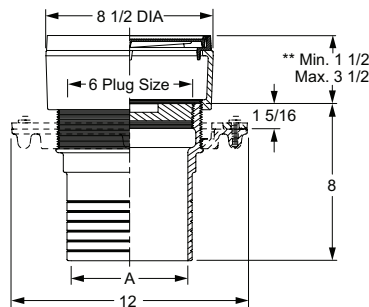
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

• Spigot Ferrules are Suitable for use with No-Hub Connections.

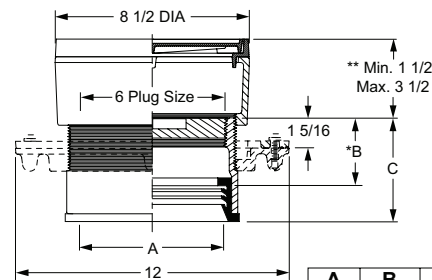
▷ 5" Available w/Spigot Outlet Only.



4140 Series
2" - 5" Sizes



4143 Series
6" & 8" Sizes



4153 Series
6" & 8" Sizes

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	●SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4140S	4145C	4151L	*Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
Taper Thread Plug	4144S	4149C	4154L	*Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
WITH BRZ PLUG	●SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4141S	4146C	4152L	*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	-	-
Taper Thread Plug	**4143S		**4153L	*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	3,196.00	3,517.00
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	3,103.00	3,424.00
Taper Thread Plug		4148C		*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	-	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Secured Nickel Bronze Top with 1/8" Tile Recess. Closure Plug Type as Indicated By Figure Number Selected.

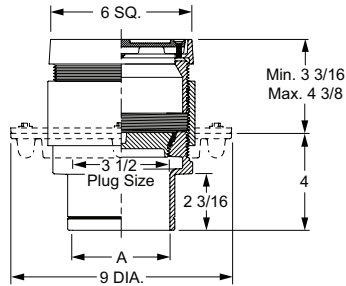
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

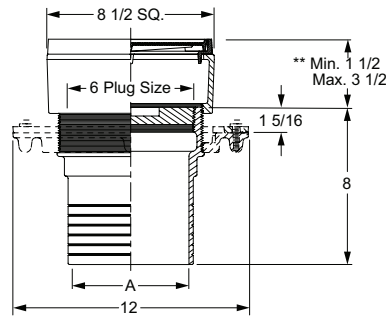
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVCE). LPVC applies to 6" pipe size only.

• Spigot Ferrules are Suitable for use with No-Hub Connections.

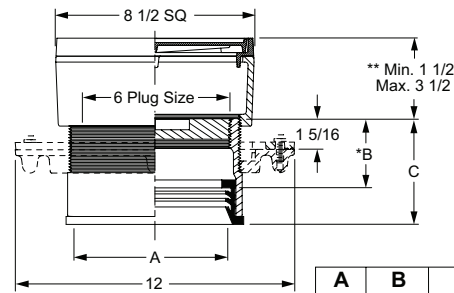
▷ 5" Available w/Spigot Outlet Only.



4160 Series
2" - 5" Sizes



4163 Series
6" & 8" Sizes



4173 Series
6" & 8" Sizes

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-U	Vandal Proof Screws	149.00

REPLACEMENT COVERS:	LIST
4160NBTOP4-NS	1,078.00
4160NBTOP6-NS	1,485.00
4160PBTOP4-NS	897.00
4160PBTOP6-NS	1,383.00

** When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4160S	4165C	4171L	*Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
Taper Thread Plug	4164S	4169C	4174L	*Nickel Bronze (-NB)	975.00	1,030.00	1,373.00	2,240.00	-	-
				Polished Bronze (-PB)	882.00	937.00	1,280.00	2,147.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4161S	4166C	4172L	*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	-	
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	-	
Taper Thread Plug	**4163S		**4173L	*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	2,537.00	3,196.00	3,517.00
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	2,444.00	3,103.00	3,424.00
Taper Thread Plug		4168C		*Nickel Bronze (-NB)	1,275.00	1,327.00	1,669.00	-	-	-
				Polished Bronze (-PB)	1,183.00	1,234.00	1,576.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Square Adjustable Secured Nickel Bronze Top with 1/8" Tile Recess. Closure Plug Type as Indicated By Figure Number Selected.

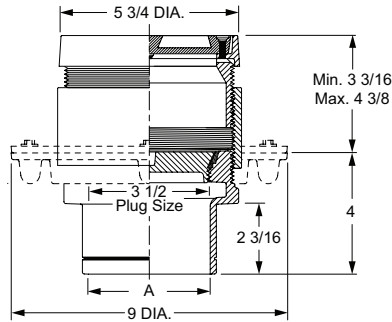
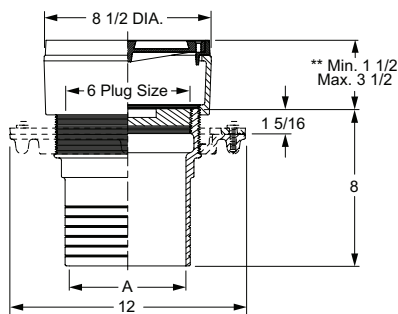
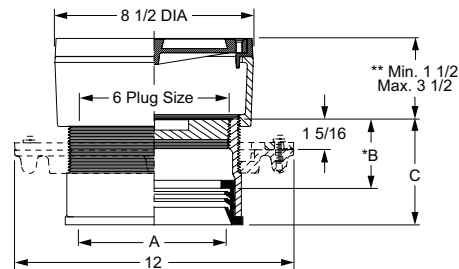
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

• Spigot Ferrules are Suitable for use with No-Hub Connections.

▷ 5" Available w/Spigot Outlet Only.


4180 Series
2" - 5" Sizes

4183 Series
6" & 8" Sizes

4193 Series
6" & 8" Sizes

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4180S	4185C	4191L	†Nickel Bronze (-NB)	1,525.00	1,576.00	1,924.00	2,786.00	-	-
				Polished Bronze (-PB)	1,432.00	1,484.00	1,832.00	2,694.00	-	-
Taper Thread Plug	4184S	4189C	4194L	†Nickel Bronze (-NB)	1,525.00	1,576.00	1,924.00	2,786.00	-	-
				Polished Bronze (-PB)	1,432.00	1,484.00	1,832.00	2,694.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4181S	4186C	4192L	†Nickel Bronze (-NB)	1,828.00	1,878.00	2,231.00	3,089.00	-	-
				Polished Bronze (-PB)	1,736.00	1,785.00	2,138.00	2,996.00	-	-
Taper Thread Plug	**4183S		**4193L	†Nickel Bronze (-NB)	1,828.00	1,878.00	2,231.00	3,089.00	3,743.00	4,065.00
				Polished Bronze (-PB)	1,736.00	1,785.00	2,138.00	2,996.00	3,651.00	3,972.00
Taper Thread Plug		4188C		†Nickel Bronze (-NB)	1,828.00	1,878.00	2,231.00	-	-	-
				Polished Bronze (-PB)	1,736.00	1,785.00	2,138.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Secured Nickel Bronze Top with 1/2" Terrazzo Recess. Closure Plug Type as Indicated by Figure Number Selected.

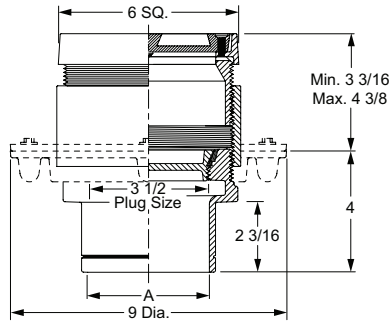
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

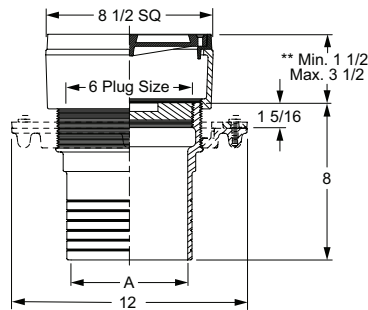
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

● Spigot Ferrules are Suitable for use with No-Hub Connections.

▷ 5" Available w/Spigot Outlet Only.



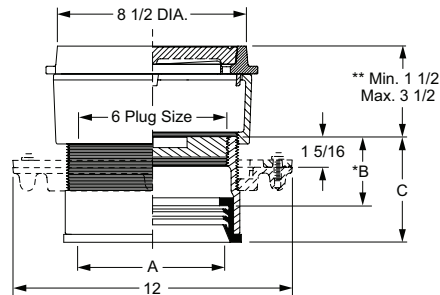
4200 Series
2" - 5" Sizes



4203 Series
6" & 8" Sizes

OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized Cl	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-U	Vandal Proof Screws	149.00

REPLACEMENT COVERS:	LIST
4200NBTOP4-NS	1,544.00
4200NBTOP6-NS	2,345.00
4200PBTOP4-NS	1,453.00



4213 Series
6" & 8" Sizes

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4200S	4205C	4211L	*Nickel Bronze (-NB)	1,525.00	1,576.00	1,924.00	2,786.00	-	-
				Polished Bronze (-PB)	1,432.00	1,484.00	1,832.00	2,694.00	-	-
Taper Thread Plug	4204S	4209C	4214L	*Nickel Bronze (-NB)	1,525.00	1,576.00	1,924.00	2,786.00	-	-
				Polished Bronze (-PB)	1,432.00	1,484.00	1,832.00	2,694.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4201S	4206C	4212L	*Nickel Bronze (-NB)	1,828.00	1,878.00	2,231.00	3,089.00	-	-
				Polished Bronze (-PB)	1,736.00	1,785.00	2,138.00	2,996.00	-	-
Taper Thread Plug	**4203S		**4213L	*Nickel Bronze (-NB)	1,828.00	1,878.00	2,231.00	3,089.00	3,743.00	4,065.00
				Polished Bronze (-PB)	1,736.00	1,785.00	2,138.00	2,996.00	3,651.00	3,972.00
Taper Thread Plug		4208C		*Nickel Bronze (-NB)	1,828.00	1,878.00	2,231.00	-	-	-
				Polished Bronze (-PB)	1,736.00	1,785.00	2,138.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Square Adjustable Secured Nickel Bronze Top with 1/2" Terrazzo Recess. Closure Plug Type as Indicated By Figure Number Selected.

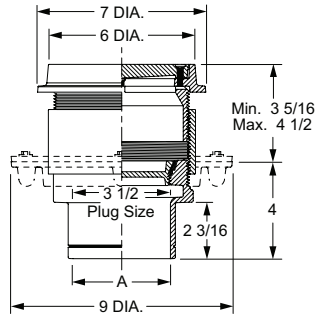
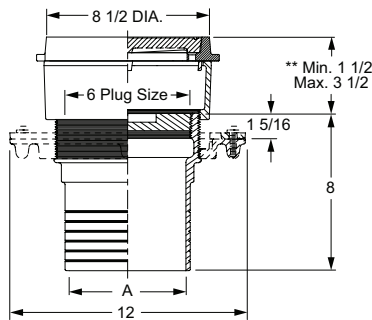
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

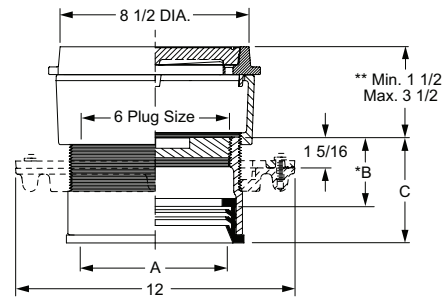
• Spigot Ferrules are Suitable for use with No-Hub Connections.

▷ 5" Available w/Spigot Outlet Only.


4220 Series
2" - 5" Sizes

4223 Series
6" & 8" Sizes

OPTIONS:		ADD
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-M	Ductile Iron Cover	475.00
-U	Vandal Proof Screws	149.00

REPLACEMENT COVERS:	LIST
4220-4-NS	701.00
4220-6-NS	1,119.00
4220-4M-NS	1,174.00
4220-6M-NS	1,598.00


4233 Series
6" & 8" Sizes

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

** When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4220S	4225C	4231L	†Cast Iron (-CI)	793.00	906.00	1,078.00	1,824.00	-	-
Taper Thread Plug	4224S	4229C	4234L							
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4221S	4226C	4232L	†Cast Iron (-CI)	1,093.00	1,208.00	1,377.00	2,116.00	-	-
Taper Thread Plug	**4223S		**4233L	†Cast Iron (-CI)	1,093.00	1,208.00	1,377.00	2,116.00	2,782.00	3,196.00
Taper Thread Plug		4228C		†Cast Iron (-CI)	1,093.00	1,208.00	1,377.00	-	-	-
APPROX. WT. LBS.					14	15	19	25	28	32

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Scoriated Secured Cast Iron Top. Closure Plug Type as Indicated By Figure Number Selected.

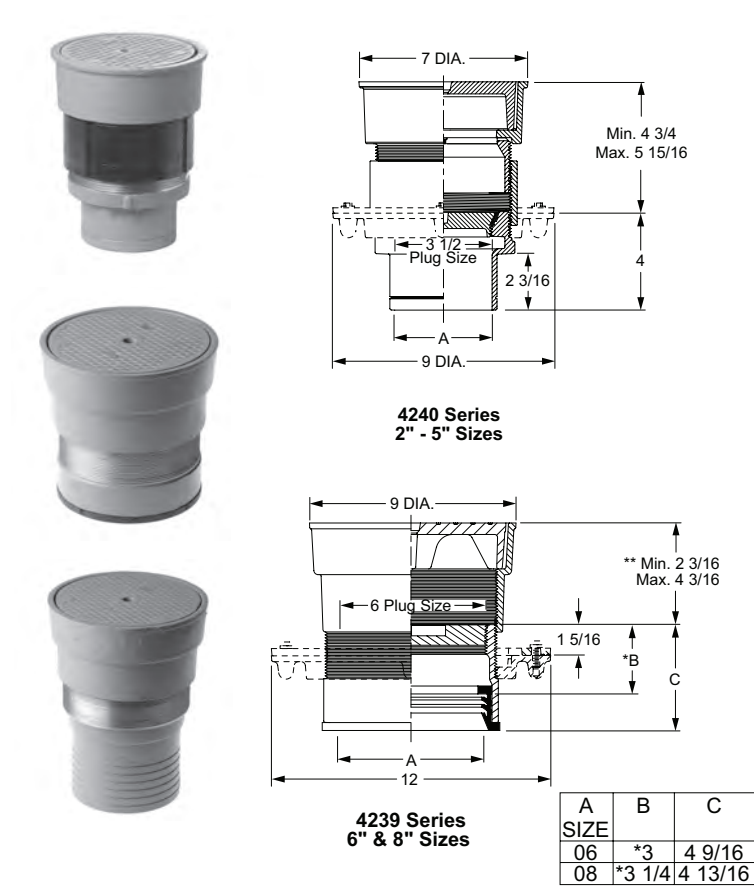
5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

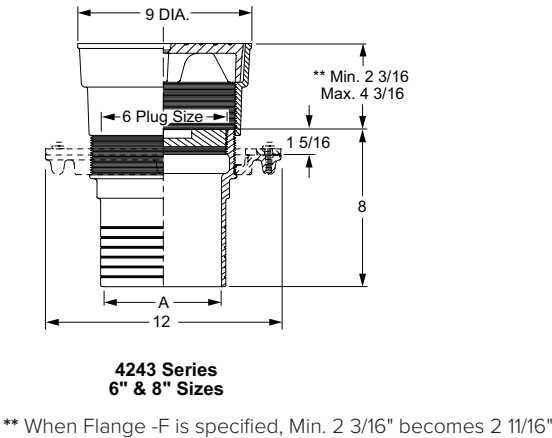
● Spigot Ferrules are Suitable for use with No-Hub Connections.

▷ 5" Available w/Spigot Outlet Only.



OPTIONS:		ADD
-CSS	Center Securing Screw	149.00
-DX	Wide Flange	736.00
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	342.00
-IP	Iron Plug (In lieu of ABS)	149.00
-M	Ductile Iron Cover	475.00
-U	VP Center Securing Screw	149.00

REPLACEMENT COVERS:		LIST
4240-4-NS		528.00
4240-6-NS		1,000.00
4240-4M-NS		1,000.00
4240-6M-NS		1,473.00
4240-4NBT-NS		989.00
4240-6NBT-NS		1,485.00
4240-4PBT-NS		897.00
4240-6PBT-NS		1,383.00



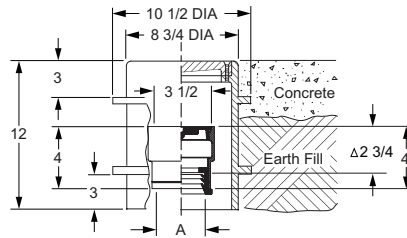
WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4240S	4245C	4237L	†Duco Cast Iron (-CI)	655.00	759.00	930.00	1,573.00	-	-
				Nickel Bronze (-NB)	1,084.00	1,187.00	1,359.00	2,522.00	-	-
				Polished Bronze (-PB)	993.00	1,098.00	1,268.00	2,428.00	-	-
Taper Thread Plug	4244S	4249C	4236L	†Duco Cast Iron (-CI)	655.00	759.00	930.00	1,573.00	-	-
				Nickel Bronze (-NB)	1,084.00	1,187.00	1,359.00	2,522.00	-	-
				Polished Bronze (-PB)	993.00	1,098.00	1,268.00	2,428.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4241S	4246C	4238L	†Duco Cast Iron (-CI)	955.00	1,064.00	1,239.00	1,868.00	-	-
				Nickel Bronze (-NB)	1,384.00	1,493.00	1,667.00	2,817.00	-	-
				Polished Bronze (-PB)	1,294.00	1,403.00	1,576.00	2,723.00	-	-
Taper Thread Plug	**4243S		**4239L	†Duco Cast Iron (-CI)	955.00	1,064.00	1,239.00	1,868.00	2,739.00	3,004.00
				Nickel Bronze (-NB)	1,384.00	1,493.00	1,667.00	2,817.00	3,688.00	4,189.00
				Polished Bronze (-PB)	1,294.00	1,403.00	1,576.00	2,723.00	3,594.00	4,098.00
Taper Thread Plug		4248C		†Duco Cast Iron (-CI)	955.00	1,064.00	1,239.00	-	-	-
				Nickel Bronze (-NB)	1,384.00	1,493.00	1,667.00	-	-	-
				Polished Bronze (-PB)	1,294.00	1,403.00	1,576.00	-	-	-
				APPROX. WT. LBS.	15	18	20	29	32	36

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Scoriated Cast Iron Top with Non-Tilt Tractor Cover. Closure Plug Type as Indicated by Figure Number Selected.

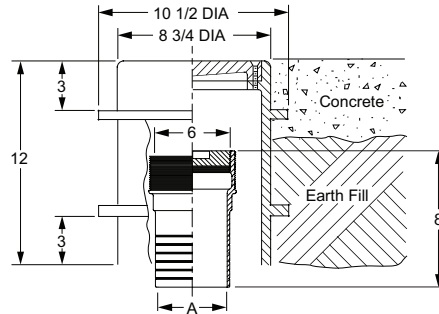
5, 6 & 8" Not Available w/Inside Caulk Outlet.
** 6 & 8" Available w/Bronze Taper Plug Only.
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.
• Spigot Ferrules are Suitable for use with No-Hub Connections.
▷ 5" Available w/Spigot Outlet Only.

CLEANOUTS

FIG. 4250 SERIES UNFINISHED FLOOR CLEANOUTS ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER

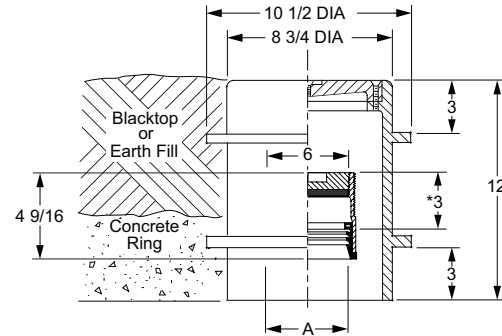


**4250 Series
2" & 5" Sizes**



**4253 Series
6" & 8" Sizes**

OPTIONS:		ADD
-G	Galvanized CI	1,208.00
-GH	Galv CI Housing Only	868.00
-IP	Iron Plug (In lieu of ABS)	149.00
-M	Ductile Iron Cover	714.00
-U	Vandal Proof Screws	149.00
	Cover Cast W/"Gas Shut Off" (-GSO) or "Water Shut Off" (-WSO)	298.00
4880	Housing Only	2,168.00



**4263 Series
6" Size**

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug***	4250S	4255C	4261L	†Ducto Cast Iron (-CI)	2,441.00	2,527.00	2,553.00	2,930.00	-	-
Taper Thread Plug	4254S	4259C	4264L	Nickel Bronze (-NB)	3,396.00	3,483.00	3,508.00	3,885.00	-	-
				Polished Bronze (-PB)	3,306.00	3,392.00	3,418.00	3,795.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	COVER MATERIAL	A - OUTLET SIZE					
					02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4251S		4262L	†Ducto Cast Iron (-CI)	2,739.00	2,828.00	2,850.00	3,231.00	-	-
				Nickel Bronze (-NB)	3,694.00	3,784.00	3,806.00	4,186.00	-	-
				Polished Bronze (-PB)	3,604.00	3,694.00	3,716.00	4,095.00	-	-
Gasket Seal Plug		4256C		†Ducto Cast Iron (-CI)	2,739.00	2,828.00	2,850.00	-	-	-
				Nickel Bronze (-NB)	3,694.00	3,784.00	3,806.00	-	-	-
				Polished Bronze (-PB)	3,604.00	3,694.00	3,716.00	-	-	-
Taper Thread Plug	**4253S			†Ducto Cast Iron (-CI)	2,739.00	2,828.00	2,850.00	3,231.00	4,106.00	4,836.00
				Nickel Bronze (-NB)	3,694.00	3,784.00	3,806.00	4,186.00	5,061.00	5,792.00
				Polished Bronze (-PB)	3,604.00	3,694.00	3,716.00	4,095.00	4,971.00	5,701.00
Taper Thread Plug			※**4263L	†Ducto Cast Iron (-CI)	2,739.00	2,828.00	2,850.00	-	4,106.00	-
				Nickel Bronze (-NB)	3,694.00	3,784.00	3,806.00	-	5,061.00	-
				Polished Bronze (-PB)	3,604.00	3,694.00	3,716.00	-	4,971.00	-
Taper Thread Plug		4258C		†Ducto Cast Iron (-CI)	2,739.00	2,828.00	2,850.00	-	-	-
				Nickel Bronze (-NB)	3,694.00	3,784.00	3,806.00	-	-	-
				Polished Bronze (-PB)	3,604.00	3,694.00	3,716.00	-	-	-
APPROX. WT. LBS.					31	33	35	42	49	61

REGULARLY FURNISHED: Ducto Cast Iron Cleanout and Double Flanged Housing with Heavy Duty Secured Scoriated Cast Iron Cover with Lifting Device. Closure Plug and Type of Outlet as Indicated By Figure Number Selected.

5, 6 & 8" Not Available w/Inside Caulk Outlet.

** 6 & 8" Available w/Bronze Taper Plug Only.

*** ABS Plug regularly furnished all outlets in 02, 03, and 04 inch sizes and 05 inch spigot.

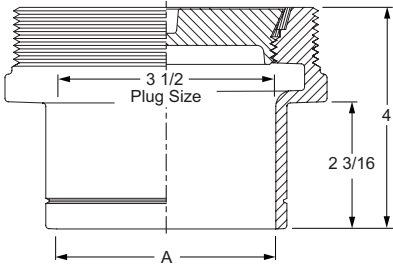
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVC). LPVC applies to 6" pipe size only.

● Spigot Ferrules are suitable for use with No-Hub Connections.

▷ 5" Available w/Spigot Outlet Only.

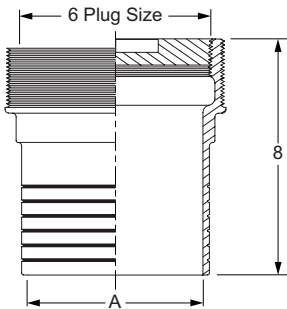
Δ This dimension to internal stop of Speedi-Set® Gasket.

※ Not Available in 8".

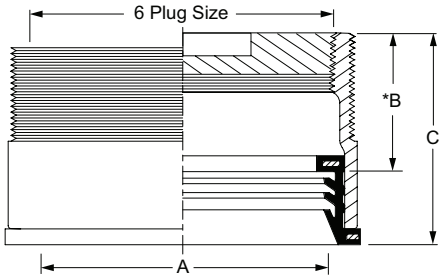


4280 Series
2" - 5" Sizes

OPTIONS:		ADD
-F	Flashing Flange	N/C
-FC	Flange w/Flashing Clamp	166.00
-G	Galvanized CI	187.00
-IP	Iron Plug (In lieu of ABS)	149.00
-RHP	Raised Head Closure Plug	N/C
-TP	"T" Handle for Plug (Bronze plug must be used when -TP is specified)	120.00



4283 Series
6" & 8" Sizes



4293 Series
6" & 8" Sizes

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

WITH ABS PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	A - OUTLET SIZE						
				COVER MATERIAL	02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4280S	4285C	4291L	†Duco Cast Iron (-CI)	276.00	365.00	464.00	759.00	-	-
Taper Thread Plug	4284S	4289C		†Duco Cast Iron (-CI)	276.00	365.00	464.00	759.00	-	-
WITH BRZ PLUG	•SPIGOT OUTLET	INSIDE CAULK OUTLET	SPEEDI- SET* OUTLET	A - OUTLET SIZE						
				COVER MATERIAL	02"	03"	04"	▷05"	**06"	**08"
Gasket Seal Plug	4281S	4286C	4292L	†Duco Cast Iron (-CI)	569.00	661.00	683.00	1,064.00	-	-
Taper Thread Plug	**4283S		**4293L	†Duco Cast Iron (-CI)	569.00	661.00	683.00	1,064.00	1,859.00	2,549.00
Taper Thread Plug		4288C		†Duco Cast Iron (-CI)	569.00	661.00	683.00	-	-	-
APPROX. WT. LBS.					6	7	11	15	16	20

REGULARLY FURNISHED: Duco Cast Iron Cleanout with Closure Plug Type as Indicated by Figure Number Selected.

5, 6 & 8" Not Available w/Inside Caulk Outlet.
** 6 & 8" Available w/Bronze Taper Plug Only.
* Speedi-Set® Outlet Available with 2, 3, 4, 6 or 8" Connection Only. Specify Service Weight (L), Extra Heavy (LXH) or PVC (LPVCE). LPVC applies to 6" pipe size only.
• Spigot Ferrules are Suitable for use with No-Hub Connections.
▷ 5" Available w/Spigot Outlet Only.

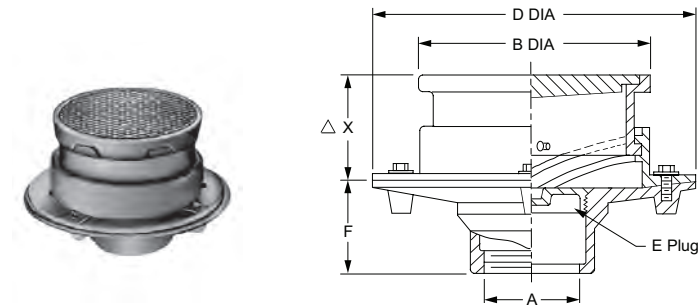


Fig. 4313
Medium Duty Top

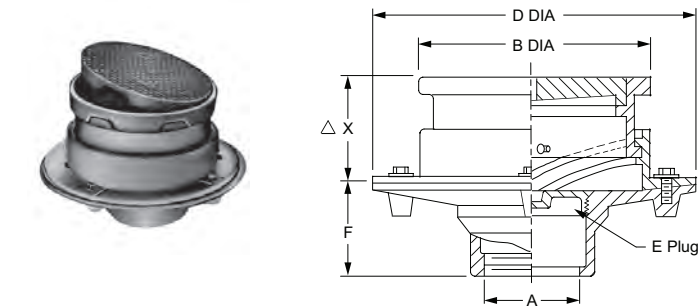


Fig. 4318
Heavy Duty Top

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-G	Galvanized CI	694.00
-M	Ductile Iron Cover (4318)	543.00
-RT	Recessed for Tile	543.00
-S	Square Top, CI	503.00
-SEC	Secured Cover	228.00
-SNB	Square Top, add to CI	1,254.00
-SPB	Square Top, add to CI	1,066.00
-TP	"T" Handle for Plug	120.00
-U	Vandal Proof Screws	228.00

A OUTLET SIZE	B TOP DIA.	D FLANGE DIA.	E PLUG SIZE	F	ΔX MIN.	ΔX MAX.	†DUCO CAST IRON (-CI)	NICKEL BRONZE (-NB)	POLISHED BRONZE (-PB)	APPROX. WEIGHT LBS.
02"	8 1/2"	12"	3 1/2"	4"	3 1/2"	4 1/2"	1,896.00	2,532.00	2,433.00	35
03"	8 1/2"	12"	4"	4"	3 1/2"	4 1/2"	1,896.00	2,532.00	2,433.00	35
04"	8 1/2"	12"	5"	4"	3 1/2"	4 1/2"	1,956.00	2,591.00	2,493.00	35

REGULARLY FURNISHED: Duco Cast Iron Flanged Body and Round Adjustable Top with Scoriated Loose Set Cast Iron Cover, Taper Thread Bronze Closure Plug and Flashing Collar.

△ Add 1/4" when bronze top is specified

CLEANOUTS

FIG. 4333, 4338 MULTI-PURPOSE FLOOR CLEANOUTS W/ INTERNAL CLOSURE PLUG AND ROUND NON-ADJUSTABLE CAST IRON TOP

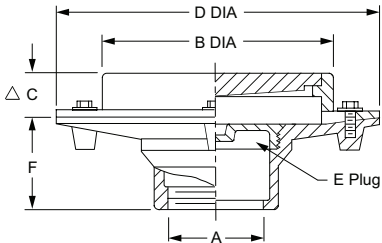


Fig. 4333
Medium Duty Top

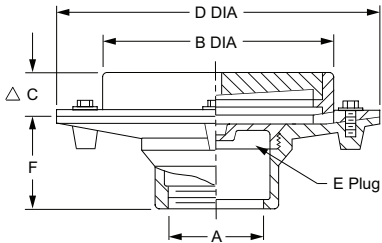


Fig. 4338
Heavy Duty Top

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price
OPTIONS:		ADD
-G	Galvanized CI	694.00
-M	Ductile Iron Cover (4338)	543.00
-RT	Recessed for Tile	543.00
-S	Square Top, CI	503.00
-SEC	Secured Cover	228.00
-SNB	Square Top, add to CI	1,254.00
-SPB	Square Top, add to CI	1,066.00
-TP	"T" Handle for Plug	120.00
-U	Vandal Proof Screws	228.00

A OUTLET SIZE	B TOP DIA.	▲C	D FLANGE DIA.	E PLUG SIZE	F	*DUCO CAST IRON (-CI)	NICKEL BRONZE (-NB)	POLISHED BRONZE (-PB)	APPROX. WEIGHT LBS.
02"	8 1/2"	1 5/8"	12"	3 1/2"	4"	1,544.00	2,179.00	2,081.00	33
03"	8 1/2"	1 5/8"	12"	4"	4"	1,544.00	2,179.00	2,081.00	33
04"	8 1/2"	1 5/8"	12"	5"	4"	1,739.00	2,375.00	2,277.00	33

REGULARLY FURNISHED: Duco Cast Iron Body with Scoriated Loose Set Cast Iron Cover, Taper Thread Bronze Closure Plug and Flashing Collar.

▲ Add 1/4" when bronze top is specified

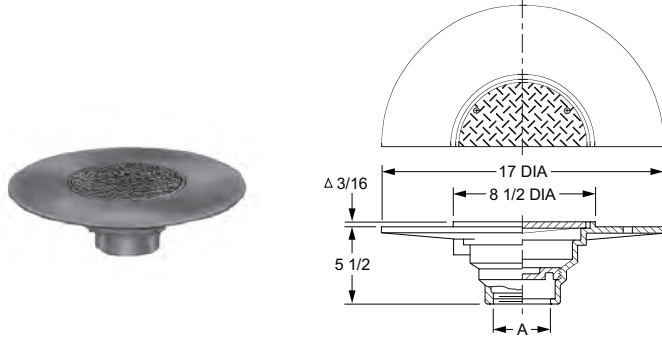


Fig. DX4343

A OUTLET SIZE	TOP SIZE	*DUCO CAST IRON	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS.
02, 03, 04"	8 1/2"	1,289.00	1,826.00	1,924.00	30

REGULARLY FURNISHED: Duco Cast Iron Body with Solid Secured Cover and Taper Thread Bronze Closure Plug.

△ Add 3/16" when bronze top is specified.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body price

OPTIONS:		ADD
-SH	Securing Holes in Flange	189.00
-U	Vandal Proof Cover	149.00

If Water-Proof Deck Covering thickness is greater (or less) than dimensions shown, the drain body should be set to compensate for the variation in thickness. Drain body should be set low enough to permit "dimpling" of area surrounding drain.

FIG. 4400, 4402 CAULK FERRULE CLEANOUT LEAD SEAL PLUG W/ROUND ACCESS COVER

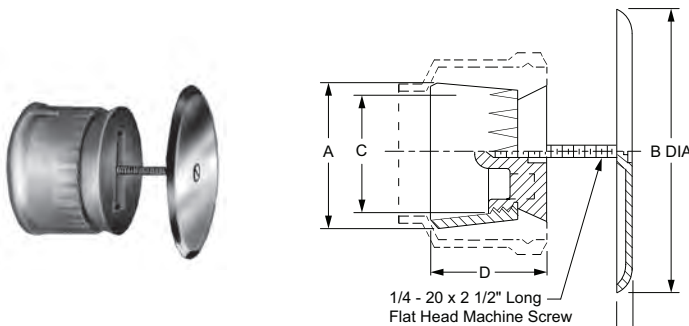


Fig. 4400, 4402

OPTIONS:		ADD
-BP	Cast Bronze Lead Seal Plug 02, 03, 04" 06"	298.00 955.00
-LS	6" Long Center Screw	69.00
-TP	"T" Handle for Plug	120.00
-U	Vandal Proof Screw	149.00

LESS COVER	PLUG MATERIAL		A - PIPE SIZE:	02"	03"	04"	06"
4400CI	CI Ferrule and CI Plug			149.00	232.00	320.00	655.00
WITH COVER	PLUG MATERIAL	COVER MATERIAL	A - PIPE SIZE:	02"	03"	04"	06"
4402	CI Ferrule and CI Plug	*Stainless Steel (-SS)	B - COVER SIZE DIA:	4 1/4"	5 1/2"	5 1/2"	9 1/4"
		Prime Coated Steel (-PC)		361.00	444.00	535.00	1,132.00
		Polished Bronze (-PB)		484.00	569.00	659.00	1,255.00
				294.00	377.00	468.00	1,065.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	5 1/2"
			D	2 1/2"	2 3/4"	3"	3"
			APPROX. WT. LBS.	3	4	6	10

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule and Cast Iron Lead Seal Plug with Stainless Steel Round Cover and Screw when indicated by Fig. Number.

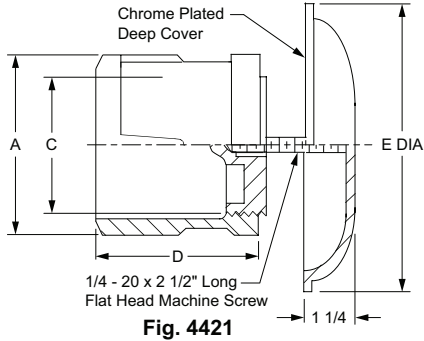


Fig. 4421

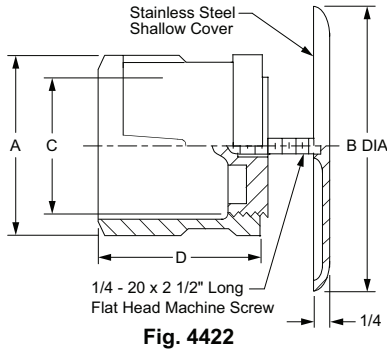


Fig. 4422

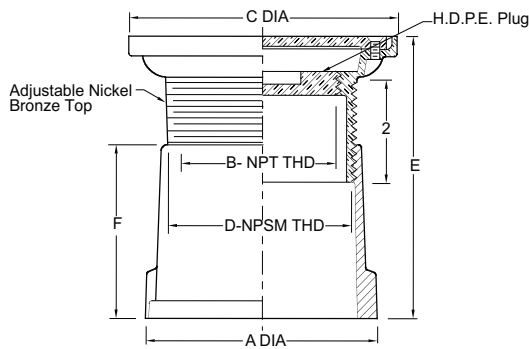
OPTIONS:		ADD
-LS	6" Long Center Screw	69.00
-TP	"T" Handle for Plug	120.00
-U	Vandal Proof Screw	149.00

LESS COVER	PLUG MATERIAL		A - PIPE SIZE:	▲ 02"	▲ 03"	▲ 04"	05"	06"	08"
4420CI	CI Ferrule and Brz Plug			149.00	232.00	320.00	479.00	655.00	1,156.00
WITH DEEP COVER	PLUG MATERIAL	COVER MATERIAL	A - PIPE SIZE:	▲ 02"	▲ 03"	▲ 04"	05"	06"	08"
			B - COVER SIZE DIA.:	4 1/4"	5 1/2"	5 1/2"	7"	9 1/4"	11 1/4"
4421	CI Ferrule and Brz Plug	†Chrome Plated (CP)		673.00	759.00	842.00	1,003.00	1,571.00	2,488.00
		Stainless Steel (-SS)		1,207.00	1,293.00	1,376.00	1,538.00	2,104.00	3,022.00
WITH SHALLOW COVER	PLUG MATERIAL	COVER MATERIAL	A - PIPE SIZE:	▲ 02"	▲ 03"	▲ 04"	05"	06"	08"
			B - COVER SIZE DIA.:	4 1/4"	5 1/2"	5 1/2"	7"	9 1/4"	11 1/4"
4422	CI Ferrule and Brz Plug	†Stainless Steel (-SS)		361.00	444.00	535.00	747.00	1,132.00	1,960.00
		Prime Coated Steel (-PC)		484.00	569.00	659.00	871.00	1,255.00	2,083.00
		Polished Bronze (-PB)		294.00	377.00	468.00	680.00	1,065.00	1,893.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	4"	5"	6"
			D	3 1/2"	3 3/4"	4 1/4"	4 1/4"	4 1/4"	4 1/2"
			E DIA.	*7 1/4"	*7 1/4"	*7 1/4"	*7 1/4"	9 1/4"	11 1/4"
			APPROX. WT. LBS.	5	8	13	16	21	26

*Die Formed SS Cover Only

▲ Sized for Service Weight and/or NO-HUB

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Bronze Taper Thread Plug with SS Round Cover and Screws. Type of Cover as Indicated by Figure Number Selected.



A (NOM)	B	C	D	E		F
				MIN.	MAX.	
02"	1 1/2"	4 1/4"	2"	5 3/8"	6 3/4"	4 1/2"
03"	2"	4 1/2"	2 1/2"	3"	4 3/8"	2 1/4"
04"	3"	5 3/4"	3 1/2"	3 1/2"	5"	2 1/2"
06"	3"	5 3/4"	3 1/2"	4 1/2"	6"	3 5/8"

REGULARLY FURNISHED: Duco Cast Iron Ferrule and Adjustable Nickel Bronze top with Solid Scoriated Cover and H.D.P.E. Plug.

4429C02NB	2" 4429 Caulk w/NB Top	777.00
4429C03NB	3" 4429 Caulk w/NB Top	886.00
4429C04NB	4" 4429 Caulk w/NB Top	1,011.00
4429C06NB	6" 4429 Caulk w/NB Top	1,172.00
4429C02PB	2" 4429 Caulk w/PB Top	714.00
4429C03PB	3" 4429 Caulk w/PB Top	829.00
4429C04PB	4" 4429 Caulk w/PB Top	953.00
4429C06PB	6" 4429 Caulk w/PB Top	1,110.00
4429Y02NB	2" 4429 No-Hub w/NB Top	777.00
4429Y03NB	3" 4429 No-Hub w/NB Top	886.00
4429Y04NB	4" 4429 No-Hub w/NB Top	1,011.00
4429Y06NBFB	6" 4429 No-Hub w/NB Top	1,172.00
4429Y02PB	2" 4429 No-Hub w/PB Top	714.00
4429Y03PB	3" 4429 No-Hub w/PB Top	829.00
4429Y04PB	4" 4429 No-Hub w/PB Top	953.00
4429Y06PBFB	6" 4429 No-Hub w/PB Top	1,172.00
4429L04NB	4" 4429 Speedi-Set® SW w/NB Top	938.00
4429LXH04NB	4" 4429 Speedi-Set® XH w/NB Top	938.00
4429L04PB	4" 4429 Speedi-Set® SW w/PB Top	881.00
4429LXH04PB	4" 4429 Speedi-Set® XH w/PB Top	881.00
ADD FOR		
-U	Vandal Proof (add to NB Top)	149.00
-U	Vandal Proof (add to PB Top)	52.00

FIG. 4430, 4431 CAULK FERRULE CLEANOUT LEAD SEAL PLUG W/SQUARE FRAME AND COVER

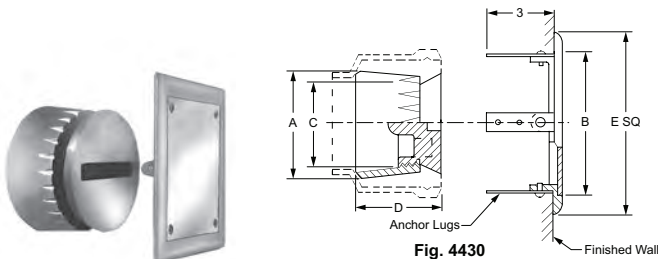


Fig. 4430

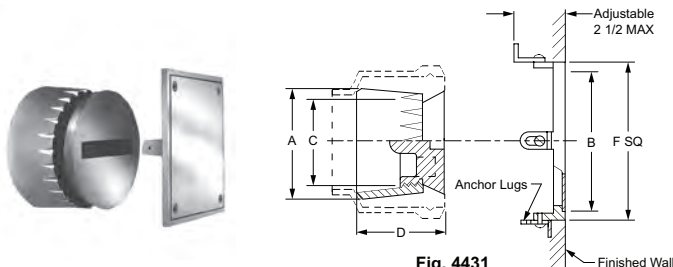


Fig. 4431

OPTIONS:		ADD
-BP	Cast Bronze Lead Seal Plug	
	02, 03, 04"	298.00
	06"	955.00
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00
	Solid Scoriated Cover f/Flush Type Cover	See Fig. 4439

COVER MATERIAL			A - PIPE SIZE:	02"	03"	04"	06"
			B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	8 x 8"
4430	Face of Wall	†Chrome Plated (-CP)		1,180.00	1,274.00	1,359.00	2,173.00
		Nickel Bronze (-NB)		1,088.00	1,181.00	1,266.00	2,042.00
		Polished Bronze (-PB)		1,059.00	1,153.00	1,238.00	1,994.00
COVER MATERIAL			A - PIPE SIZE:	02"	03"	04"	06"
			B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	8 x 8"
4431	Flush with Wall	†Chrome Plated (-CP)		1,180.00	1,274.00	1,359.00	2,173.00
		Nickel Bronze (-NB)		1,088.00	1,181.00	1,266.00	2,042.00
		Polished Bronze (-PB)		1,059.00	1,153.00	1,238.00	1,994.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	5 1/2"
			D	2 1/2"	2 3/4"	3"	3"
			E SQ.	7 3/4"	7 3/4"	7 3/4"	9 3/4"
			F SQ.	6 1/2"	6 1/2"	6 1/2"	8 1/2"
			APPROX. WT. LBS.	5	7	10	13

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Iron Lead Seal Plug, with Chrome Plated Bronze Square Frame and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

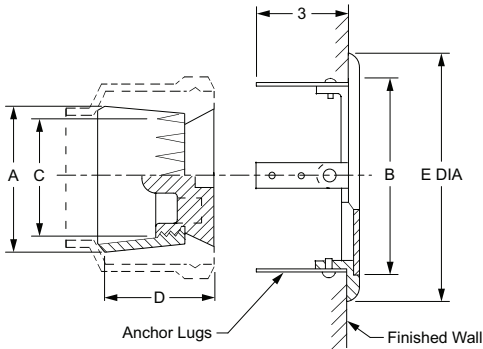


Fig. 4432

OPTIONS:		ADD
-BP	Cast Bronze Lead Seal Plug	
	02, 03, 04"	298.00
	06"	955.00
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00
	Solid Scoriated Cover f/Flush Type Cover	See Fig. 4438

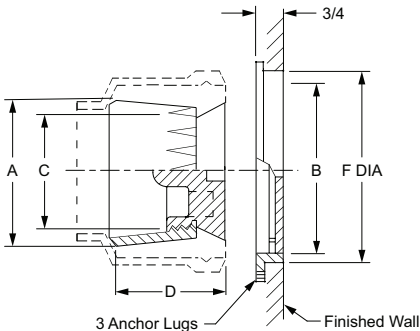


Fig. 4433

			A - PIPE SIZE:	02"	03"	04"	06"
COVER MATERIAL			B - COVER SIZE DIA.	4"	5 1/2"	6"	8"
4432	Face of Wall	+Chrome Plated (-CP)		766.00	855.00	943.00	1,698.00
		Nickel Bronze (-NB)		696.00	785.00	873.00	1,606.00
		Polished Bronze (-PB)		645.00	734.00	822.00	1,531.00
COVER MATERIAL			A - PIPE SIZE:	02"	03"	04"	06"
			B - COVER SIZE DIA.	4"	5 1/2"	6"	8"
4433	Flush with Wall	+Chrome Plated (-CP)		766.00	855.00	943.00	1,698.00
		Nickel Bronze (-NB)		696.00	785.00	873.00	1,606.00
		Polished Bronze (-PB)		645.00	734.00	822.00	1,531.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	5 1/2"
			D	2 1/2"	2 3/4"	3"	3"
			E DIA.	6"	7"	7"	10"
			F DIA.	4 1/2"	5 3/4"	6 1/2"	8 1/2"
			APPROX. WT. LBS.	8	12	17	20

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Iron Lead Seal Plug. Chrome Plated Bronze Round Frame and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

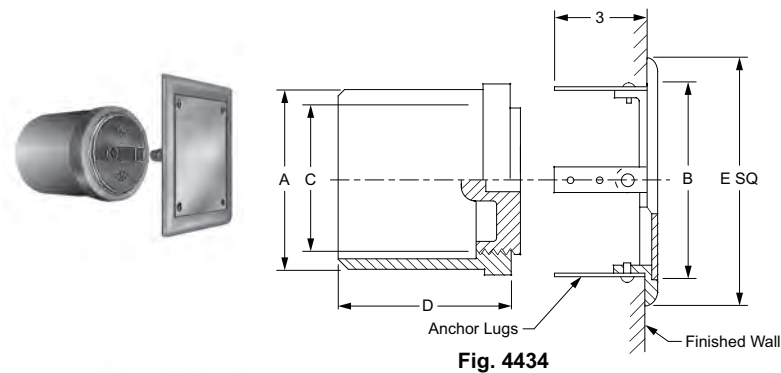


Fig. 4434

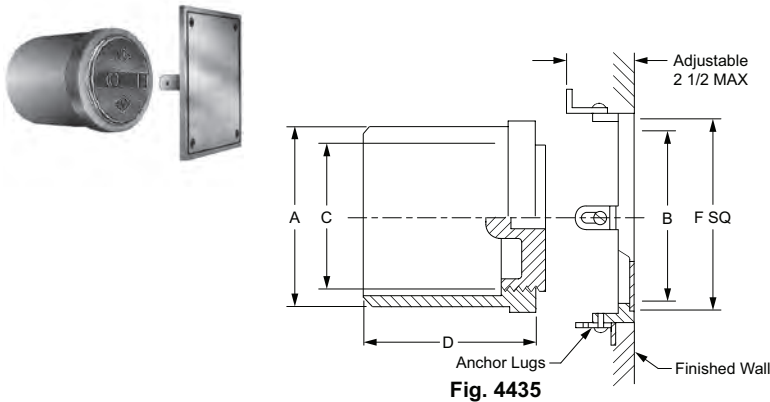


Fig. 4435

OPTIONS:		ADD
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00
	Solid Scoriated Cover f/Flush Type Cover	See Fig. 4441

COVER MATERIAL			A - PIPE SIZE:	▲02"	▲03"	▲04"	05"	06"	08"
4434	Face of Wall		B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	8 x 8"	8 x 8"	10 x 10"
		†Chrome Plated (-CP)		1,180.00	1,274.00	1,359.00	1,991.00	2,173.00	2,860.00
		Nickel Bronze (-NB)		1,088.00	1,181.00	1,266.00	1,861.00	2,042.00	2,704.00
		Polished Bronze (-PB)		1,059.00	1,153.00	1,238.00	1,814.00	1,994.00	2,677.00
COVER MATERIAL			A - PIPE SIZE:	▲02"	▲03"	▲04"	05"	06"	08"
4435	Flush with Wall		B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	8 x 8"	8 x 8"	10 x 10"
		†Chrome Plated (-CP)		1,180.00	1,274.00	1,359.00	1,991.00	2,173.00	2,860.00
		Nickel Bronze (-NB)		1,088.00	1,181.00	1,266.00	1,861.00	2,042.00	2,704.00
		Polished Bronze (-PB)		1,059.00	1,153.00	1,238.00	1,814.00	1,994.00	2,677.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	4 1/2"	5 1/2"	7 1/2"
			D	3 1/2"	3 3/4"	4 1/4"	4 1/4"	4 1/4"	4 1/2"
			E SQ.	7 3/4"	7 3/4"	7 3/4"	9 3/4"	9 3/4"	11 3/4"
			F SQ.	6 1/2"	6 1/2"	6 1/2"	8 1/2"	8 1/2"	10 1/2"
			APPROX. WT. LBS.	5	7	10	12	13	26

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Bronze Taper Thread Plug, Chrome Plated Bronze Square Frame and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

▲Sized for Service Weight and/or NO-HUB

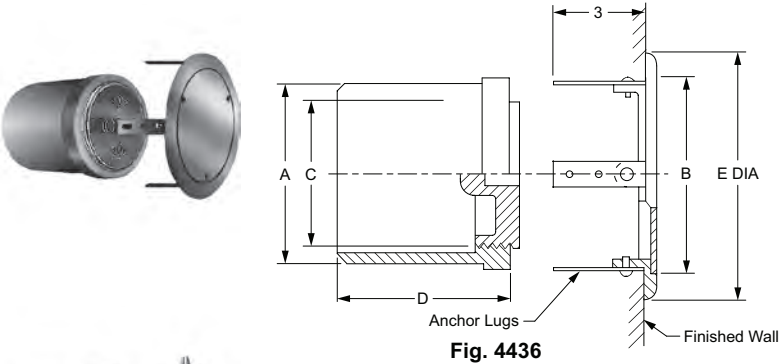


Fig. 4436

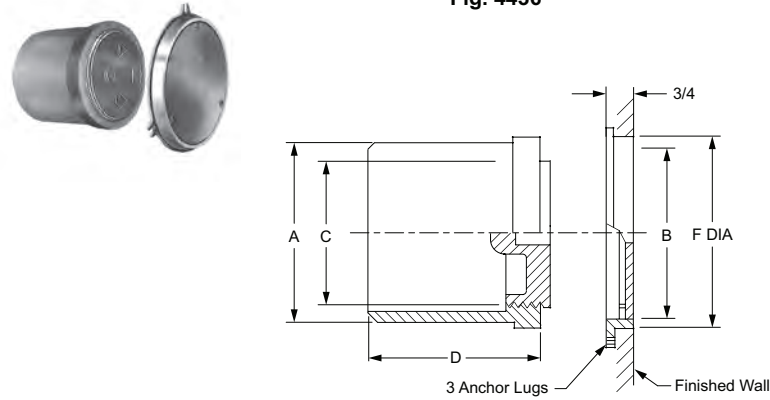


Fig. 4437

OPTIONS:		ADD
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00
	Solid Scoriated Cover f/Flush Type Cover	See Fig. 4440

COVER MATERIAL			A - PIPE SIZE:	▲02"	▲03"	▲04"	05"	06"	*08"
4436	Face of Wall		B - COVER SIZE DIA.:	4"	5 1/2"	6"	6"	8"	10"
		†Chrome Plated (-CP)		766.00	855.00	943.00	1,095.00	1,698.00	-
		Nickel Bronze (-NB)		696.00	785.00	873.00	1,025.00	1,606.00	-
		Polished Bronze (-PB)		645.00	734.00	822.00	974.00	1,531.00	-
COVER MATERIAL			A - PIPE SIZE:	▲02"	▲03"	▲04"	05"	06"	*08"
4437	Flush with Wall		B - COVER SIZE DIA.:	4"	5 1/2"	6"	6"	8"	10"
		†Chrome Plated (-CP)		766.00	855.00	943.00	1,095.00	1,698.00	2,916.00
		Nickel Bronze (-NB)		696.00	785.00	873.00	1,025.00	1,606.00	2,587.00
		Polished Bronze (-PB)		645.00	734.00	822.00	974.00	1,531.00	2,418.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	4 1/2"	5 1/2"	7 1/2"
			D	3 1/2"	3 3/4"	4 1/4"	4 1/4"	4 1/4"	4 1/2"
			E DIA.	6"	7"	7"	7"	10"	-
			F DIA.	4 1/2"	5 3/4"	6 1/2"	6 1/2"	8 1/2"	10 1/2"
			APPROX. WT. LBS.	8	12	17	19	20	25

▲Sized for Service Weight and/or NO-HUB

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Bronze Taper Thread Plug. Chrome Plated Bronze Round Frame and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

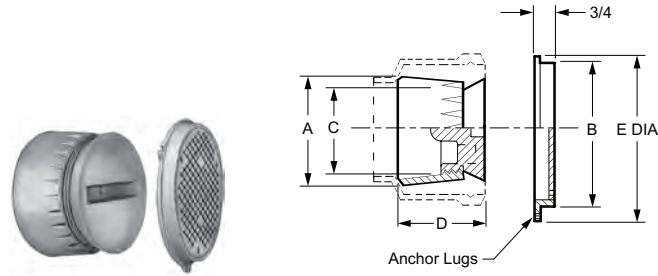


Fig. 4438

OPTIONS:		ADD
-BP	Cast Bronze Lead Seal Plug	
	02, 03, 04"	298.00
	06"	955.00
-TH	Plug Tapped 1/4-20 Thread w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00
	Cover Drilled in Center and Furnished with 1/4-20 x 2 1/2" Long Screw	215.00

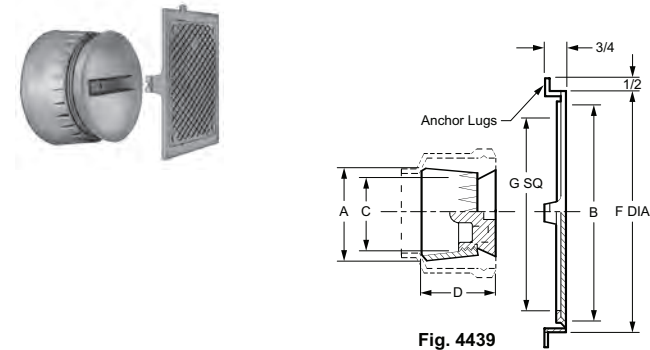


Fig. 4439

COVER MATERIAL			A - PIPE SIZE:	02"	03"	04"	06"
			B - COVER SIZE DIA.:	4"	5 1/2"	6"	8"
4438	Flush with Wall	Chrome Plated (-CP)		763.00	850.00	939.00	1,701.00
		*Nickel Bronze (-NB)		694.00	781.00	870.00	1,608.00
		Polished Bronze (-PB)		640.00	726.00	815.00	1,539.00
COVER MATERIAL			A - PIPE SIZE:	02"	03"	04"	06"
			B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	8 x 8"
4439	Flush With Wall	Chrome Plated (-CP)		1,088.00	1,174.00	1,256.00	2,039.00
		*Nickel Bronze (-NB)		1,088.00	1,174.00	1,256.00	2,039.00
		Polished Bronze (-PB)		967.00	1,053.00	1,135.00	1,862.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	5 1/2"
			D	2 1/2"	2 3/4"	3"	3"
			E DIA.	4 1/2"	5 3/4"	6 1/2"	8 1/2"
			F SQ.	7"	7"	7"	9"
			G SQ.	5 1/2"	5 1/2"	5 1/2"	7 1/2"

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Iron Lead Seal Plug and Secured Scoriated Nickel Bronze Cover and Frame with Anchor Lugs. Type of Cover as Indicated by Figure Number Selected.



Same as
4438 and
4439 but
with Taper Thread
Plug

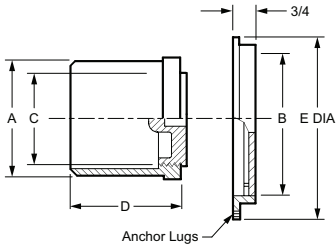


Fig. 4440

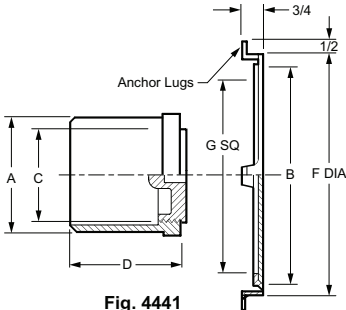


Fig. 4441

OPTIONS:		ADD
-TH	Plug Tapped 1/4-20 Thread w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00
	Cover Drilled in Center and Furnished with 1/4-20 x 2 1/2" Long Screw	215.00
	Smooth Cover for Flush-Type Cover	See Fig. 4435, 4437

COVER MATERIAL			A - PIPE SIZE:	▲02"	▲03"	▲04"	05"	06"	08"
4440	Face of Wall		B - COVER SIZE DIA.:	4"	5 1/2"	6"	6"	8"	10"
		Chrome Plated (-CP)		763.00	850.00	939.00	1,099.00	1,701.00	2,921.00
		*Nickel Bronze (-NB)		694.00	781.00	870.00	1,030.00	1,608.00	2,592.00
		Polished Bronze (-PB)		640.00	726.00	815.00	975.00	1,539.00	2,423.00
COVER MATERIAL			A - PIPE SIZE:	02"	03"	04"	05"	06"	08"
4441	Flush with Wall		B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	8 x 8"	8 x 8"	10 x 10"
		Chrome Plated (-CP)		1,088.00	1,178.00	1,269.00	1,861.00	2,039.00	2,705.00
		*Nickel Bronze (-NB)		1,088.00	1,178.00	1,269.00	1,861.00	2,039.00	2,705.00
		Polished Bronze (-PB)		967.00	1,057.00	1,148.00	1,683.00	1,862.00	2,522.00
			C - SIZE	1 1/2"	2 1/2"	3 1/2"	4 1/2"	5 1/2"	7 1/2"
			D	3 1/2"	3 3/4"	4 1/4"	4 1/4"	4 1/4"	4 1/2"
			E DIA.	4 1/2"	5 3/4"	6 1/2"	6 1/2"	8 1/2"	10 1/2"
			F SQ.	7"	7"	7"	9"	9"	11"
			G SQ.	5 1/2"	5 1/2"	5 1/2"	7 1/2"	7 1/2"	9 1/2"

REGULARLY FURNISHED: Duco Cast Iron Caulk Ferrule with Cast Bronze Taper Thread Plug and Secured Scoriated Nickel Bronze Cover and Frame with Anchor Lugs. Type of Cover as Indicated by Figure Number Selected.

▲Sized for Service Weight and/or NO-HUB

CLEANOUTS

FIG. 4450, 4452 CAULK FERRULE CLEANOUT FULL CALIBRE FERRULE TAPER THREAD PLUG W/ROUND COVER

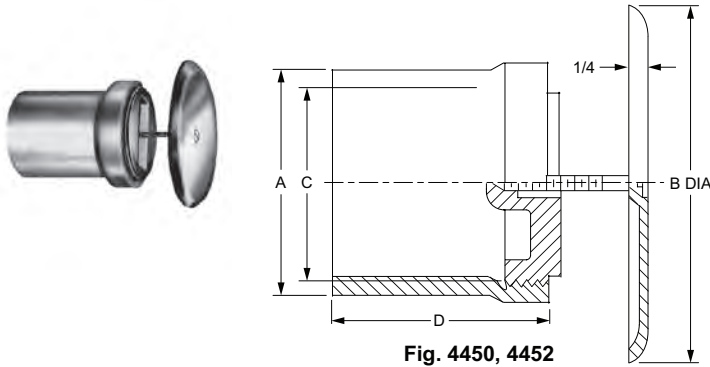


Fig. 4450, 4452

OPTIONS:		ADD
-LS	6" Long Center Screw	69.00
-TH	Plug Tapped 1/4-20 Thread w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00

LESS COVER	CLEANOUT MATERIAL		A - PIPE SIZE:	02"	03"	04"
4450	+CI Ferrule and Bronze Plug			287.00	373.00	616.00
WITH COVER	CLEANOUT MATERIAL	COVER MATERIAL	A - PIPE SIZE:	02"	03"	04"
4452	+CI Ferrule and Bronze Plug	+Stainless Steel (-SS)	B - COVER SIZE DIA.:	4 1/4"	5 1/2"	7"
		Prime Coated Steel (-PC)		499.00	583.00	878.00
		Polished Bronze (-PB)		432.00	516.00	811.00
				432.00	516.00	811.00
			C - SIZE	2 1/2"	3"	4"
			D	3 1/2"	3 3/4"	4 1/4"
			APPROX. WT. LBS.	5	8	13

REGULARLY FURNISHED: Duco Cast Iron Full Calibre Caulk Ferrule with Cast Bronze Taper Thread Plug, with Stainless Steel Round Cover and Screw as Indicated by Figure Number Selected.

FIG. 4470, 4472 TAPER THREAD PLUG WITH ROUND COVER

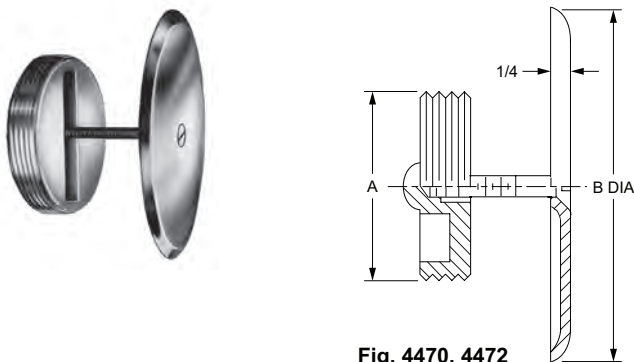


Fig. 4470, 4472

OPTIONS:		ADD
-LS	6" Long Center Screw	69.00
-TH	Plug Tapped 1/4-20 Thread w/T Handle for Plug	199.00
-U	Vandal Proof Screw	149.00

LESS COVER	PLUG MATERIAL	A - PLUG SIZE:	0150"	02"	0250"	03"	0350"	04"	05"	06"	08"	10"
4470	+Bronze Plug		69.00	86.00	111.00	149.00	245.00	261.00	407.00	543.00	1,121.00	1,663.00
WITH COVER	COVER MATERIAL	B - COVER SIZE DIA.:	4 1/4"	4 1/4"	4 1/4"	5 1/2"	5 1/2"	5 1/2"	7"	9 1/4"	11 1/4"	11 1/4"
4472	+Stainless Steel (-SS)		287.00	292.00	320.00	361.00	449.00	479.00	670.00	1,030.00	1,865.00	2,407.00
	Prime Coated Steel (-PC)		411.00	415.00	443.00	484.00	573.00	602.00	793.00	1,153.00	1,988.00	2,531.00
	Polished Bronze (-PB)		221.00	224.00	253.00	294.00	383.00	411.00	603.00	963.00	1,797.00	2,340.00
		APPROX. WT. LBS.	2	2	3	3	5	5	7	8	11	12

REGULARLY FURNISHED: Cast Bronze Taper Thread Plug with Stainless Steel Round Cover and Screw as indicated by Figure Number.

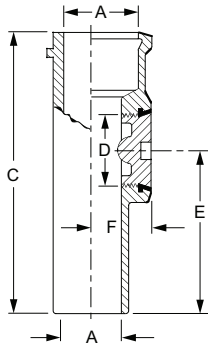


Fig. 4510

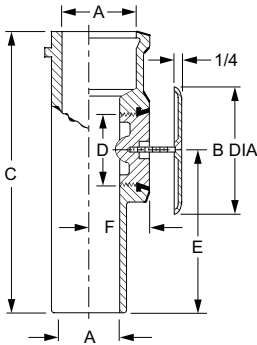


Fig. 4530

OPTIONS:		ADD
-LS	6" Long Center Screw	69.00
-LSU	6" Long Vandal Proof Center Screw	217.00
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	199.00
-U	Vandal Proof Screw (1/4-20 X 2 1/2")	149.00
Y	No-Hub Tee (02, 03, 04" only)	N/C

LESS COVER			A - PIPE SIZE:	02"	03"	04"	06"
4510	Gasket Seal Cast Iron Plug			355.00	442.00	686.00	1,956.00
4511	Gasket Seal Bronze Plug			653.00	738.00	988.00	2,911.00
4512	Taper Thread Bronze Plug			653.00	738.00	988.00	2,911.00
WITH COVER		COVER MATERIAL	B - COVER SIZE DIA.:	4 1/4"	5 1/2"	7"	9 1/4"
With Cast Iron Plug							
4530	Gasket Seal Plug	*Stainless Steel (-SS)		541.00	652.00	953.00	2,439.00
		Prime Coated Steel (-PC)		660.00	777.00	1,078.00	2,564.00
		Polished Bronze (-PB)		477.00	585.00	886.00	2,372.00
With Bronze Plug							
4531	Gasket Seal Plug	*Stainless Steel (-SS)		868.00	949.00	1,251.00	3,394.00
		Prime Coated Steel (-PC)		993.00	1,074.00	1,376.00	3,519.00
		Polished Bronze (-PB)		801.00	882.00	1,184.00	3,326.00
With Bronze Plug							
4532	Taper Thread	*Stainless Steel (-SS)		868.00	949.00	1,251.00	3,394.00
		Prime Coated Steel (-PC)		993.00	1,074.00	1,376.00	3,519.00
		Polished Bronze (-PB)		801.00	882.00	1,184.00	3,326.00
			C	10 1/2"	11 3/4"	12"	16"
			D SIZE	1 1/2"	2 1/2"	3 1/2"	6"
			E	6 1/4"	7"	7"	9"
			F	2"	2 1/2"	3"	4 1/2"

REGULARLY FURNISHED: Duco Cast Iron Cleanout Tee and Countersunk Plug with Stainless Steel Round Cover and Screw as Indicated by Figure Number Selected.

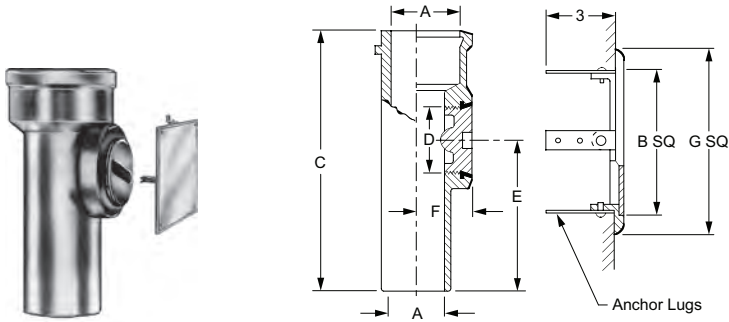


Fig. 4550

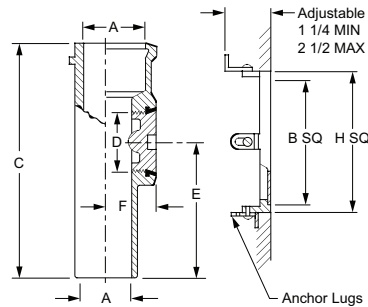


Fig. 4555

OPTIONS:		ADD
-U	Vandal Proof Screw (1/4-20 X 2 1/2")	149.00
Y	No-Hub Tee (02, 03, 4" only)	N/C

FACE OF WALL COVER			A - PIPE SIZE:	02"	03"	04"	06"
With Cast Iron Plug		COVER MATERIAL	B - COVER SIZE SQ.:	6 x 6"	6 x 6"	6 x 6"	10 x 10"
4550	Gasket Seal Plug	+CP Frame & Cover (-CP)		1,390.00	1,473.00	1,725.00	3,599.00
		NB Frame & Cover (-NB)		1,298.00	1,381.00	1,632.00	3,443.00
		PB Frame & Cover (-PB)		1,173.00	1,254.00	1,506.00	3,260.00
With Bronze Plug							
4551	Gasket Seal Plug	+CP Frame & Cover (-CP)		1,693.00	1,772.00	2,023.00	4,561.00
		NB Frame & Cover (-NB)		1,601.00	1,680.00	1,931.00	4,406.00
		PB Frame & Cover (-PB)		1,475.00	1,553.00	1,804.00	4,223.00
With Bronze Plug							
4553	Taper Thread Plug	+CP Frame & Cover (-CP)		1,693.00	1,772.00	2,023.00	4,561.00
		NB Frame & Cover (-NB)		1,601.00	1,680.00	1,931.00	4,406.00
		PB Frame & Cover (-PB)		1,475.00	1,553.00	1,804.00	4,223.00
FLUSH WITH WALL COVER							
With Cast Iron Plug							
4555	Gasket Seal Plug	+CP Frame & Cover (-CP)		1,390.00	1,473.00	1,725.00	3,599.00
		NB Frame & Cover (-NB)		1,298.00	1,381.00	1,632.00	3,443.00
		PB Frame & Cover (-PB)		1,173.00	1,254.00	1,506.00	3,260.00
With Bronze Plug							
4556	Gasket Seal Plug	+CP Frame & Cover (-CP)		1,693.00	1,772.00	2,023.00	4,561.00
		NB Frame & Cover (-NB)		1,601.00	1,680.00	1,931.00	4,406.00
		PB Frame & Cover (-PB)		1,475.00	1,553.00	1,804.00	4,223.00
With Bronze Plug							
4558	Taper Thread Plug	+CP Frame & Cover (-CP)		1,693.00	1,772.00	2,023.00	4,561.00
		NB Frame & Cover (-NB)		1,601.00	1,680.00	1,931.00	4,406.00
		PB Frame & Cover (-PB)		1,475.00	1,553.00	1,804.00	4,223.00
			C	10 1/2"	11 3/4"	12"	16"
			D SIZE	1 1/2"	2 1/2"	3 1/2"	6"
			E	6 1/4"	7"	7"	9"
			F	2"	2 1/2"	3"	4 1/2"
			G SQ.	7 3/4"	7 3/4"	7 3/4"	11 3/4"
			H SQ.	6 1/2"	6 1/2"	6 1/2"	10 1/2"

REGULARLY FURNISHED: Duco Cast Iron Cleanout Tee and Countersunk Plug with Chrome Plated Bronze Square Frame and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

Spigot Outlet sized for service weight and/or No-Hub.

*REGULARLY FURNISHED

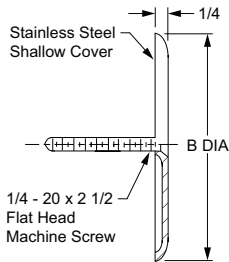


Fig. 4710

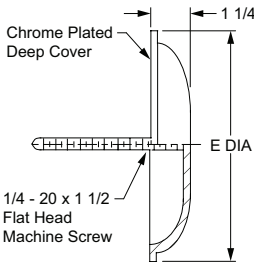


Fig. 4715

OPTIONS:		ADD
-LS	6" Long Center Screw	69.00
-LSU	6" Long Vandal Proof Center Screw	218.00
-U	Vandal Proof Screw (1/4-20 X 2 1/2")	149.00

			COVER MATERIAL	PLUG SIZE	1 1/2", 2", 2 1/2"	3" 3 1/2", 4"	5"	6"	8", 10"
				B - COVER SIZE DIA:	4 1/4"	5 1/2"	7"	9 1/4"	11 1/4"
4710	Shallow Cover	†Stainless Steel (-SS)			235.00	235.00	287.00	513.00	794.00
		Prime Coated Steel (-PC)			362.00	362.00	414.00	640.00	921.00
		Polished Bronze (-PB)			170.00	170.00	222.00	448.00	921.00
			COVER MATERIAL	PLUG SIZE	1 1/2", 2", 2 1/2"	3" 3 1/2", 4"	5"	6"	8", 10"
				E - COVER SIZE DIA:	*7 1/4"	*7 1/4"	*7 1/4"	9 1/4"	11 1/4"
4715	Deep Cover	†Stainless Steel (-SS)			-	-	534.00	-	-
		Chrome Plated (-CP) or Nickel Bronze (-NB)			-	-	-	906.00	1,274.00
		Polished Bronze (-PB)			-	-	-	835.00	1,202.00

REGULARLY FURNISHED: Stainless Steel Shallow Cover or Chrome Plated Bronze Deep Cover with Center Screw as Indicated by Figure Number Selected.

*Die formed SS cover only.

FIG. 4720, 4725 WALL ACCESS SECURED COVER WITH ROUND FRAME

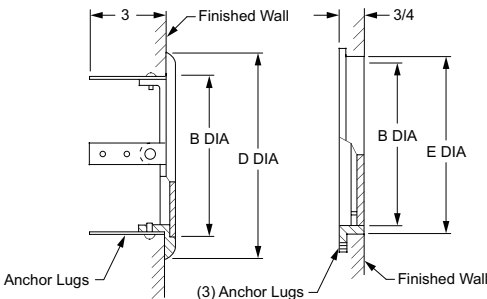


Fig. 4720

Fig. 4725

OPTIONS:		ADD
-U	Vandal Proof Screws	149.00

			PLUG SIZE	2"	3"	4"	5"	6"	8"
			B DIA.: COVER SIZE:	4"	5 1/2"	6"	8"	8"	-
			D DIA.:	6"	7"	7 1/2"	10"	10"	-
4720	Face of Wall	†Chrome Plated (-CP)	620.00	620.00	620.00	620.00	1,046.00	-	
		Nickel Bronze (-NB)	546.00	546.00	546.00	546.00	953.00	-	
		Polished Bronze (-PB)	501.00	501.00	501.00	501.00	880.00	-	
			PLUG SIZE	2"	3"	4"	5"	6"	8"
			B DIA. - COVER SIZE:	4"	5 1/2"	6"	6"	8"	10"
			E DIA.:	4 1/2"	5 3/4"	6 1/2"	6 1/2"	8 1/2"	10 1/2"
4725	Flush With Wall	†Chrome Plated (-CP)	620.00	620.00	620.00	620.00	1,046.00	1,698.00	
		Nickel Bronze (-NB)	546.00	546.00	546.00	546.00	953.00	1,368.00	
		Polished Bronze (-PB)	501.00	501.00	501.00	501.00	880.00	1,199.00	
			APPROX. WT. LBS.	2	4	5	7	7	8

REGULARLY FURNISHED: Chrome Plated Bronze Round Frame and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

*REGULARLY FURNISHED

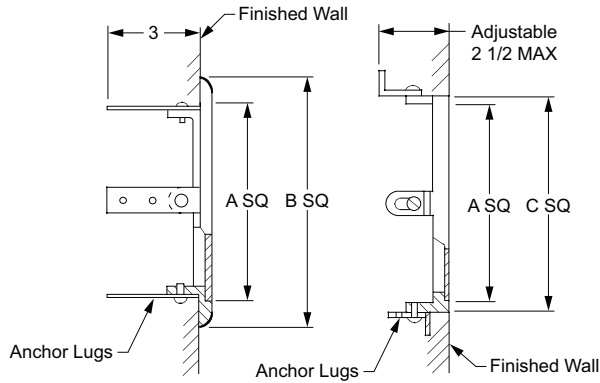


Fig. 4730

Fig. 4735

OPTIONS:		ADD
-U	Vandal Proof Screws	149.00

COVER MATERIAL			A - OPENING SIZE SQ.:	6" x 6"	8" x 8"	10" x 10"	12" x 12"	15" x 15"
			B - COVER SIZE SQ.:	7 3/4"	9 3/4"	11 3/4"	13 3/4"	16 3/4"
			C - COVER SIZE SQ.:	6 1/2"	8 1/2"	10 1/2"	12 1/2"	15 1/2"
4730	Face of Wall	†CP Frame & Cover (-CP)		1,036.00	1,514.00	1,643.00	1,773.00	2,740.00
		NB Frame & SS Cover (-NB)		944.00	1,383.00	1,487.00	1,607.00	2,492.00
		PB Frame & Cover (-PB)		817.00	1,207.00	1,306.00	1,408.00	2,290.00
4735	Flush With Wall	†CP Frame & Cover (-CP)		1,036.00	1,514.00	1,643.00	1,773.00	2,740.00
		NB Frame & SS Cover (-NB)		944.00	1,383.00	1,487.00	1,607.00	2,492.00
		PB Frame & Cover (-PB)		817.00	1,207.00	1,306.00	1,408.00	2,290.00
			APPROX. WT. LBS.	3	5	8	10	26

REGULARLY FURNISHED: Chrome Plated Bronze Square Frame with Anchor Lugs and Secured Cover. Type of Cover as Indicated by Figure Number Selected.

FIG. 4740, 4745 WALL SQUARE FLUSH VALVE BOX

OPTIONS:		ADD
-U	Vandal Proof Screws	149.00
	Flush Valve Handle Hole*	232.00

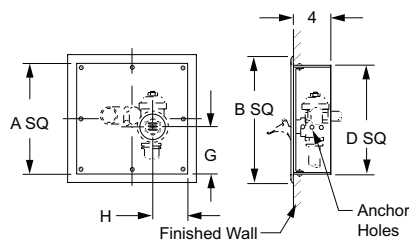


Fig. 4740

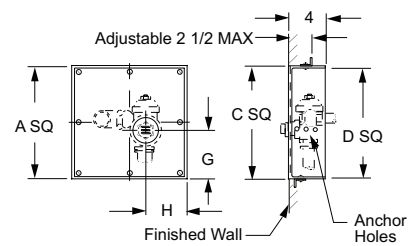


Fig. 4745

			A - OPENING SIZE SQ.:	10" x 10"	12" x 12"	15" x 15"
			B - COVER SIZE SQ.:	11 3/4"	13 3/4"	16 3/4"
			C - COVER SIZE SQ.:	10 1/2"	12 1/2"	15 1/2"
			D - OPENING SIZE SQ.:	10"	12"	15"
COVER MATERIAL						
4740	Face of Wall	†CP Frame & Cover (-CP)		3,144.00	3,517.00	3,840.00
		NB Frame & SS Cover (-NB)		2,857.00	3,197.00	3,485.00
		PB Frame & Cover (-PB)		2,286.00	2,814.00	3,092.00
4745	Flush With Wall	†CP Frame & Cover (-CP)		3,144.00	3,517.00	3,840.00
		NB Frame & SS Cover (-NB)		2,857.00	3,197.00	3,485.00
		PB Frame & Cover (-PB)		2,286.00	2,814.00	3,092.00
			APPROX. WT. LBS.	14	18	26

NOTE: G and H dimensions depend on Flush Valve being used. Always specify location and Manufacturers Make and Model.

*Specify location and manufacturers make and model.

REGULARLY FURNISHED: Chrome Plated Bronze Square Frame and Cover Secured with Screws, Aluminum Frame and Anchors.

FIG. 4760 SERIES - DRYWALL ACCESS DOORS

4760 Series doors are ideally suited for new installations or for remodeling, masonry, tile, wood or other wall and ceiling surfaces. Door features rounded safety corners. Door and frame are fabricated from 16 gauge, galvanized steel with a prime coat finish. Frame is one piece construction, 1" wide and provides perfect concealment of the rough wall opening. Wall frame is provided with 1/4" mounting holes for fastening within the furred spaces allowing faster installation and fixing maximum clearance. Concealed pivoting rod hinge prevents distortion and closes door squarely. Doors 24" or larger are provided with a continuous piano hinge. Latch is screwdriver operated. Finish is a prime coat suitable for painting.

**For Pricing information on this Product Series contact
your local Jay R. Smith Mfg. Co. representative.**

FIG. 4762 SERIES - DRYWALL ACCESS DOORS

4762 Series doors are ideally suited for new installations or for remodeling, in masonry, tile, wood or other wall and ceiling surfaces. Door features rounded safety corners. Door and frame are fabricated from 16 gauge, type 304 stainless steel with a satin finish on exposed surface. Frame is one piece construction, 1" wide and provides perfect concealment of the rough wall opening. Wall frame is provided with 1/4" mounting holes for fastening within the furred spaces allowing faster installation and fixing maximum clearance. Concealed pivoting rod hinge prevents distortion and closes door squarely. Doors 24" or larger are provided with a continuous piano hinge. Latch is screwdriver operated.

**For Pricing information on this Product Series contact
your local Jay R. Smith Mfg. Co. representative.**

FIG. 4765 SERIES - PLASTERED WALL ACCESS DOORS

4765 Series doors are designed specifically to meet the needs of plaster construction. Door has a 3/4" plaster ground for plaster finish. Door and frame are fabricated from 16 gauge, galvanized steel with a prime coat finish. Frame has 1/4" mounting holes to facilitate installation. Concealed pivoting rod hinge prevents distortion and closes door squarely. Latch is screwdriver operated. Finish is prime coat suitable for painting.

**For Pricing information on this Product Series contact
your local Jay R. Smith Mfg. Co. representative.**

FIG. 4767 SERIES - PLASTERED WALL ACCESS DOORS

4767 Series doors are designed specifically to meet the needs of plaster construction. Door has 3/4" plaster ground for plaster finish. Door and frame are fabricated from 14 gauge, type 304 stainless steel with a satin finish on exposed surface. Frame has 1/4" mounting holes to facilitate installation. Concealed pivoting rod hinge prevents distortion and closes door squarely. Latch is screwdriver operated.

**For Pricing information on this Product Series contact
your local Jay R. Smith Mfg. Co. representative.**

FIG. 4768 SERIES - FIRE RATED WALL ACCESS DOORS

4768 Series doors are fire rated for 1-1/2 hours. Door has a heavy duty spring closer to assure positive latching when panel closes. This door is for wall installation only. Door and frame are fabricated from 16 gauge, galvanized steel with a prime coat finish. Frame is equipped with both masonry anchors and bolt holes to facilitate installation in all types of wall construction. Concealed hinge operates completely out of sight so that only the door and frame is visible. Exterior latch is recessed and is operated using a ring attached to the sliding bolt. Interior latch release slide is included enabling door to be opened from the inside. Finish is a prime coat suitable for painting.

**For Pricing information on this Product Series contact
your local Jay R. Smith Mfg. Co. representative.**

FIG. 4770 SERIES - ACOUSTICAL PLASTER ACCESS DOORS

4770 Series doors are designed to install flush with the plaster surface assuring an attractive finish. Doors are recessed 5/8" and lined with a metal lath to allow plaster of surrounding surfaces to fill in the face of the door. Door and frame are fabricated from 16 gauge, galvanized steel with a prime coat finish. Frame has a 3" wide metal lath on all four sides to key into the plaster. Concealed hinge is recessed and operates completely out of sight so that only the metal thickness of the door and frame is visible. Latch is screwdriver operated. Finish is a prime coat suitable for painting.

**For Pricing information on this Product Series contact
your local Jay R. Smith Mfg. Co. representative.**

FIG. 4771 SERIES - METAL LATCH ACCESS DOORS



4771 Series doors are designed specifically to meet the needs of plaster construction. Door has a 3" wide metal lath on all four sides for keying into plaster. Door and frame are fabricated from 16 gauge, galvanized steel. Concealed pivoting rod hinge prevents distortion and closes door squarely. Doors 24" or larger are provided with a continuous piano hinge. Latch is screwdriver operated. Finish shall be a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4772 SERIES - ACOUSTICAL TILE ACCESS DOORS



4772 Series doors are designed for use with acoustical tile or gypsum board walls and ceilings. The door is engineered to install flush, virtually concealed. Door is 16 gauge and frame is 12 gauge, galvanized steel with a prime coat finish. Concealed hinge operates completely out of sight so that only the metal thickness of the door and frame is visible. Latch is screwdriver operated.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4773 SERIES - FIRE RATED CEILING ACCESS DOORS



4773 Series doors should be utilized when providing access in fire rated walls and ceilings. Doors have heavy duty spring closures to ensure positive latching when panel closes. An interior latch release is also included on all doors to enable unlocking from inside. Door is fabricated from 20 gauge, galvanized steel with a prime coat finish. Door panel is provided with 2" of insulation in a sandwich type construction. Frame is fabricated from 16 gauge, galvanized steel with a prime coat finish and provided with masonry anchors and bolt holes. Hinge is fully concealed and mounted on the long side of the rectangular door panel. Exterior latch is a dual purpose lock that features a knurled knob and key operation. Both are provided at time of shipping. Interior latch release slide is included enabling door to be opened from the inside.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4774 SERIES - CEILING FIRE RESISTANT ACCESS DOORS



4774 Series doors are designed for use in a suspended dry wall ceiling as part of a fire rated ceiling assembly. The 4774 Series door, itself, is not fire rated. However, the combination of steel and fire rated tile maintains the fire resistant quality of the ceiling assembly. Door is recessed 1-1/2" to accommodate dual layered ceiling tile. Door is fabricated from 16 gauge, galvanized steel with a prime coat finish. Frame is fabricated from 18 gauge, galvanized steel with a prime coat finish. Hinge is a continuous piano type. Latch is screwdriver operated.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4775 SERIES - DUCT ACCESS DOORS



4775 Series doors are designed to provide access to equipment installed within ducts. The door panels are insulated and gaskets between the panel and frame will assure tight seals without obstruction in the air system. Door and frame are fabricated from 24 gauge, galvanized steel. Door is 1" thick, double wall construction and insulated. Frame is provided with knock-over tabs and easily attached to the duct. Hinge is continuous piano type. Cam latch is self-tightening and hand operated.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4777 SERIES - DRYWALL BEAD ACCESS DOORS



4777 Series doors are designed for flush installation in drywall surfaces. Door features a concealed hinge that prevents distortion and closes door squarely. Door and frame are fabricated from 16 gauge, galvanized steel with a prime coat finish. Frame has 1/4" mounting holes positioned to allow anchoring directly to studs to assure a secure mounting. A drywall bead on the frame allows the drywall joint compound to be applied over the bead at the same time as the joints and corners. Flange has prepunched holes to provide grip for the joint compound and facilitate fastening the flange to framing members with drywall screws. Concealed pivoting rod hinge prevents distortion and closes door squarely. Doors 24" or larger are provided with a continuous piano hinge. Latch is screwdriver operated. Finish is a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.



4778 Series Doors are designed for surface installation on drywall, masonry or thin-coat plaster. Door features rounded safety corners and is attached to the frame with a continuous piano hinge allowing a 175 degree opening. Door and frame are fabricated from 14 gauge, galvanized steel. Frame is easily secured to the studs and anchored through pre-drilled holes in each corner. No additional reinforcement is required. Latch is screwdriver operated. Finish is prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4779 SERIES - EXTERIOR DOOR FOR WALLS AND CEILINGS



4779 Series exterior access doors are manufactured and engineered to provide access to exterior applications ensuring years of protection against outdoor elements. Our new technology helps to manifest resistance to water and vapor. Our exterior door includes foam insulation and neoprene gaskets on four sides. Door is fabricated from 16 gauge, galvanized steel with a prime coat finish and 1" thick rigid foam insulation. Frame is fabricated from 16 gauge, galvanized steel with a prime coat finish and provided with bolt holes. Hinge is concealed and operates completely out of sight, so that only the door and frame are visible. Exterior latch is a cylinder lock that features a knurled knob or key operation. Finish is a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4781 SERIES - SLAMMER ACCESS DOORS



4781 Series doors are designed to provide security access with the strength and durability to withstand abusive and vandal-prone conditions prevalent in many institutions. Without sacrificing security, these doors allow maintenance personnel access to plumbing chases, shut-off valves and electrical apparatus located behind finished walls. Door is fabricated from 10 gauge steel. Frame is 3/16" x 2" x 2" angle steel, welded and with pre-punched mounting holes. Latch is a Folger Adams #10 lock. Hinges are heavy duty and are welded to the door and frame. Door can be provided with a high security, vandal resistant, detention type lock. Doors are manufactured with locks provided by others. Finish is a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4782 SERIES - SHUR-LOC ACCESS DOORS



4782 Series doors are designed for drywall, masonry or concrete construction and provide the security required in today's schools, hospitals, hotels, and correctional institutions. Door and frame are fabricated from 14 gauge, galvanized steel and the door is provided with a 16 gauge vertical reinforcement channel. Lock is an automatic spring bolt type featuring a precision mechanism. When the door is closed in the locked position, the uniquely designed angled cam lock automatically engages. The key can only be removed when the lock is in the locked position. Hinge is a concealed type. Doors 24" or larger are supplied with a continuous piano hinge. Finish is a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4783 SERIES - VALVE BOX ACCESS DOORS



4783 Series valve boxes are engineered to provide access to all types of valves and controls which are concealed in the wall. The valve boxes are fully enclosed and feature rounded safety corners. Door and frame are fabricated from 16 gauge galvanized steel with a prime coat finish. Frame is a one piece construction 1" wide and produces perfect concealment of the rough wall openings. Wall frame is provided with 1/4" mounting holes for fastening within the furred spaces allowing faster installation and giving maximum clearance. Hinge is a concealed continuous piano hinge. Latch is screwdriver operated. Finish is a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4784 SERIES - WEATHER STRIP REMOVABLE ACCESS DOORS



4784 Series weather strip removable access doors are designed with flush gaskets between the panel and frame to ensure flush air seal in all types of walls and ceilings. *Note: Door has **NOT** been tested for air tightness.* Door and frame are fabricated from 16 gauge galvanized steel with a prime coat finish. Frame is a one piece construction 1" wide and produces perfect concealment of the rough wall openings. Wall frame is provided with 1/4" mounting holes for fastening within the furred spaces allowing faster installation and giving maximum clearance. Door is fully removable and held in place by multiple latches. Latch is screwdriver operated. Finish is a prime coat suitable for painting.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4786 SERIES - FLUSH VALVE PANEL AND FRAME



The **4786 Series** wall panel and frame are designed for back supply toilets and urinals where the flush valve is built into the wall. This panel allows easy access to service the flush valve by maintenance personnel. Additionally the panel provides protection to the flush valve from vandalism. Wall panel is heavy gauge type 304 stainless steel with exterior surface polished to a satin finish. It is provided with a 1-3/4" diameter hole for the flush valve pushbutton. Panel is secured to the frame with four 1/4" - 20 x 1-1/4" tamper resistant, stainless steel screws. Frame is 16 gauge jetcoat steel with a prime coat. Frame is provided with mounting holes for fastening within the furred spaces.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4788 SERIES - GASKETED ACCESS DOORS



4788 Series doors are ideally suited for new installations or for remodeling, in masonry, tile, wood or other wall and ceiling surfaces. Access door is fully gasketed and is commonly used in clean rooms, laboratories, operating rooms, etc. Door and frame are fabricated from 18 gauge, galvanized steel with a prime coat white finish. Frame is one piece construction, 1" wide and provides perfect concealment of the rough wall opening. Wall frame is provided with 1/2" mounting holes for fastening within the furred spaces allowing faster installation and fixing maximum clearance. Concealed pivoting rod hinge prevents distortion and closes door square. Latch is screwdriver operated. Finish is a prime coat white.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

FIG. 4789 SERIES - MEDIUM SECURITY ACCESS DOORS



4789 Series security doors are ideally suited for new installations or for remodeling, jails, prisons, psychiatric institutions, and schools. Door and frame are fabricated from 12 gauge, galvanized steel with a prime coat white finish. Frame is fabricated from 12 gauge, galvanized steel with a prime coat finish and provided with bolt holes. Pivoting rod hinge is continuous and concealed. Latch is allen head with security pin. Finish is a prime coat white.

For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.



DOOR TYPE	Latch Code	Description
4760, 4762, 4765, 4767, 4770, 4771, 4772, 4774, 4777, 4778, 4783, 4784, 4788	-AKL	Allen Key Lock
4782	-AS	Automatic Spring Closure
4760, 4762, 4765, 4767, 4768, 4770, 4771, 4772, 4773, 4774, 4777, 4783, 4788, 4789	-CL	Cylinder Lock
4760, 4781	-MAS	Masonry Anchor Straps
4773, 4781	-MLP	Mortise Lock Prep
4760, 4777, 4778, 4784	-TH	“T” Handle

AKL Option Chart - Number of Locks Required per Door

Door Size	# AKL	Door Size	# AKL
6x6	1	20x20	3
8x8	1	20x24	3
8x12	1	20x30	5
10x10	1	22x22	3
12x12	1	22x30	5
12x16	1	24x24	3
12x18	1	24x30	5
12x24	2	24x36	5
14x14	1	24x48	5
15x15	1	30x30	5
16x16	1	32x32	5
16x20	2	36x36	5
16x24	2	36x48	5
18x18	3	14x20	3
18x24	3	14x24	3
18x36	3		

NOTE: These sizes are for any model that offers the -AKL option. Multiply the option price times the number of locks required and add to the net price of the door.

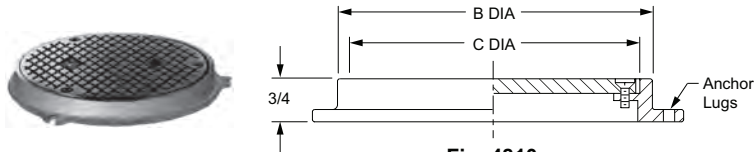


Fig. 4810

OPTIONS:		ADD
-U	Vandal Proof Screws	149.00
	Cover Drilled in Center and furnished with 1/4"-20 x 2 1/2" Long Screw	232.00
	Smooth Top for Flush-Type Cover	See Fig. 4725

4810	COVER MATERIAL	C - COVER DIA.:	04 "	5 1/2"	06"	06"	08"	10"
		PLUG SIZE	2"	3"	4"	5"	6"	8"
		B - DIA.:	4 1/2"	5 3/4"	6 1/2"	6 1/2"	8 1/2"	10 1/2"
	†Nickel Bronze (-NB)		543.00	543.00	543.00	543.00	949.00	1,377.00
	Polished Bronze (-PB)		488.00	488.00	488.00	488.00	880.00	1,208.00
		APPROX. WT. LBS.	2	3	5	5	9	13

REGULARLY FURNISHED: Secured Scoriated Nickel Bronze Cover and Frame with Anchor Lugs.

FIG. 4880, 4881 ROUND FLANGED HOUSING W/HEAVY DUTY CAST IRON COVER

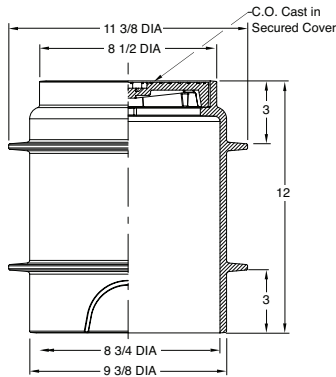


Fig. 4880

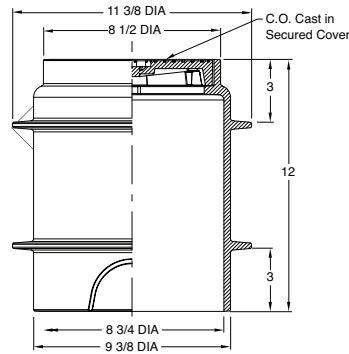


Fig. 4881

OPTIONS:		ADD
-U	Vandal Proof Screw	149.00
	Cover Cast W/"Gas Shut Off" (-GSO) or "Water Shut Off" (-WSO)	298.00

For 2"-5"	
4880	2,196.00
4880DI	2,925.00
4880NB	3,160.00
4880PB	3,033.00

For 6"-8"	
4881	2,553.00
4881DI	3,509.00
4881NB	4,039.00
4881PB	3,948.00

REGULARLY FURNISHED: Duco Cast Iron Double Flanged Body with Heavy Duty Secured Scoriated Cast Iron Cover with Lifting Device.

FIG. 4890 ROUND DECK PLUG W/THREADED SPANNER WRENCH COVER

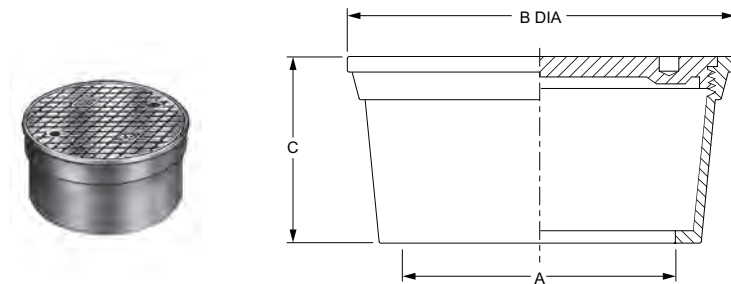


Fig. 4890

OPTIONS:		ADD
-SH	Securing Holes (Fig. DX4890)	181.00
-SW	Spanner Wrench	205.00

4890	COVER MATERIAL	A - PLUG SIZE	02"	03"	04"	05"	06"	08"
		B - DIA.:	4"	4 3/4"	6"	8"	8 3/4"	10 3/4"
		C	2"	3"	3"	3 1/2"	3 1/2"	3 1/2"
		APPROX. WT. LBS.	3	7	9	10	12	18
	†Nickel Bronze (-NB)		759.00	1,129.00	1,257.00	1,865.00	2,155.00	4,018.00
	Polished Bronze (-PB)		697.00	1,009.00	1,137.00	1,716.00	2,005.00	3,097.00
		APPROX. WT. LBS.	3	7	9	10	12	18
	†Nickel Bronze (-NB)		2,371.00	2,671.00	2,786.00	-	-	-
	Polished Bronze (-PB)		2,309.00	2,550.00	2,666.00	-	-	-
		APPROX. WT. LBS.	8	13	17	-	-	-

REGULARLY FURNISHED: All Nickel Bronze with Polished Scoriated Cover.

†REGULARLY FURNISHED

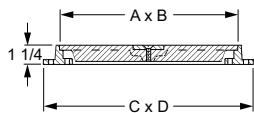


Fig. 4910

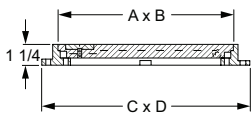


Fig. 4915

OPTIONS:		ADD
-U	Vandal Proof Screws	149.00
	Cover Cast with words "Cleanout" (-CO), "Gas Shut Off" (-GSO) or "Water Shutoff" (WSO)	298.00

	A X B COVER SIZE	C X D	[†] ALL ROUGH ALUMINUM	POLISHED ALUMINUM (-PT)	STEEL DIAMOND PLATE (-HD)	APPROX. WEIGHT LBS.
4910 SECURED COVER	06 x 06"	08 x 08"	543.00	741.00	1,111.00	3
	06 x 12"	08 x 14"	703.00	897.00	1,376.00	5
	09 x 09"	11 x 11"	964.00	1,196.00	1,577.00	6
	12 x 12"	14 x 14"	1,174.00	1,360.00	2,497.00	8
	15 x 15"	17 x 17"	2,111.00	2,439.00	4,134.00	11
	24 x 24"	26 x 26"	4,831.00	5,424.00	8,542.00	24
4915 HINGED SECURED COVER	06 x 06"	08 x 08"	833.00	1,021.00	-	3
	09 x 09"	11 x 11"	1,289.00	1,480.00	-	6
	12 x 12"	14 x 14"	1,491.00	1,693.00	-	8
	15 x 15"	17 x 17"	2,581.00	2,896.00	-	-

REGULARLY FURNISHED: Plain Aluminum Frame and Secured Scoriated Cover with Lifting Device.

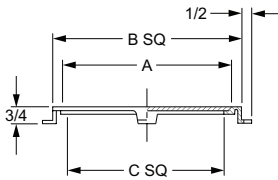


Fig. 4930

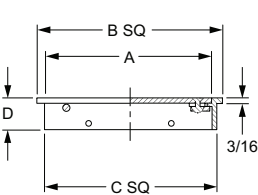


Fig. 4940

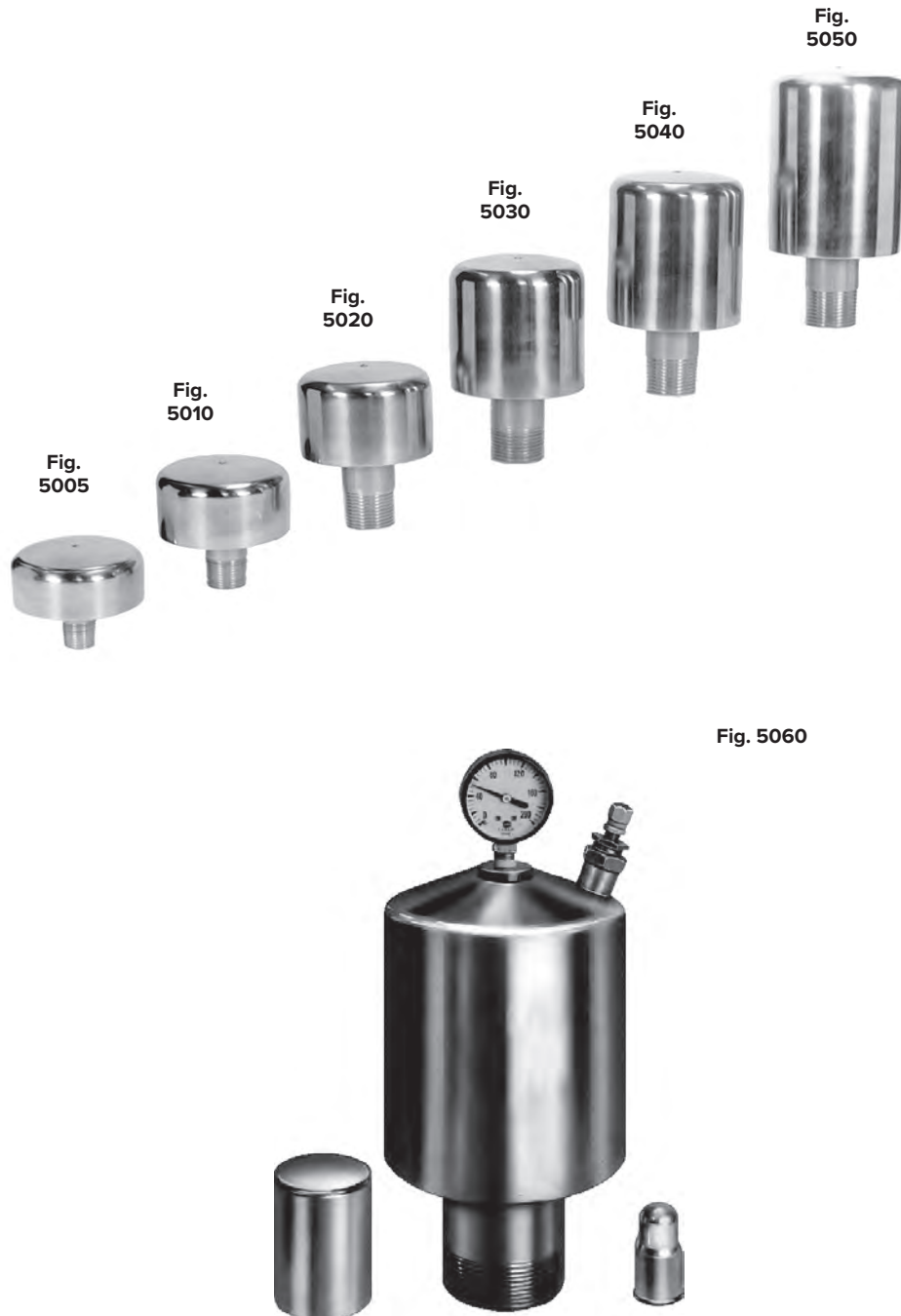
OPTIONS:		ADD
-ST	Smooth Top	N/C
-U	Vandal Proof Screws (Fig. 4930 Only)	149.00

4930 SECURED COVER	A - COVER SIZE SQ:	06 x 06"	08 x 08"	10 x 10"
	B - SQ:	7"	9"	11"
	C - SQ:	5 1/2"	7 1/2"	9 1/2"
COVER MATERIAL	[†] Nickel Bronze (-NB)	943.00	1,383.00	1,491.00
	Polished Bronze (-PB)	817.00	1,205.00	1,293.00
4940 HINGED SECURED COVER	B - SQ:	-	9"	12"
	C - SQ:	-	8 3/4"	10 1/2"
	D	-	1 1/2"	3 3/4"
COVER MATERIAL	[†] Nickel Bronze (-NB)	-	1,290.00	1,824.00
	Polished Bronze (-PB)	-	1,112.00	1,626.00
APPROX WT. LBS.		14	18	26

REGULARLY FURNISHED: Square Nickel Bronze Frame and Secured Scoriated Cover or Hinged Scoriated Cover with Locking Device.

[†]REGULARLY FURNISHED

WATER HAMMER ARRESTERS



ORDERING GUIDELINES



5000 SERIES

After identifying the proper size required to meet the engineering specification, place order as shown below:

Example:

Figure No. _____ **5005**

DESIGN • CONSTRUCTION • OPERATION

Built to last without mechanical failure or material deterioration, the HYDROTROL unit is constructed entirely of stainless steel.

HYDROTROL uses heavy duty balanced expansion bellows to internally absorb the hydrostatic shock pressure occurring in water lines. These bellows are both pneumatically and hydraulically controlled in a pressurized expansion chamber so that they never come into metal to metal contact with other parts of the unit, and cannot be subjected to excessive stresses or strains which might cause metal fatigue and bellows failure.

Stainless steel construction combined with unique engineered design make HYDROTROL -

- Compact in size
- Big in performance
- Maximum capacity
- Light-weight - needs no support straps
- Requires no service or maintenance
- Extremely durable - May be installed in concealed areas

Bellows in normal position



Pressurized compression chamber charged and factory sealed. Controls bellows expansion under normal water-line pressure so that full expansion capacity is available to control shock.

Hydraulic Fluid—Pure non toxic mineral oil surrounds bellows, holding bellows in uniform alignment.

Welded Nesting—Type Expansion Bellows

In-Line Design—Direct action type bellows respond instantly to control shock pressure.

Threaded Nipple Connection—Screws directly into tee.

With HYDROTROL'S in-line design, expansion bellows are an integral part of the waterline, so that they respond instantaneously in absorbing and controlling hydrostatic shock.

A pressurized compression chamber provides a pneumatic cushion that governs the bellows' expansion under normal waterline pressure, so that the full bellows expansion capacity is available for controlling hydrostatic shock.

The bellows are of balanced design and construction with heavier and stronger convolutions positioned in the bellows assembly to insure each convolution expanding evenly and equally, thereby providing the maximum surface area for absorbing and dissipating the shock pressure into the pneumatic cushion.

Unit absorbing shock



As shock occurs, bellows expand, creating a pneumatic pressure cushion which absorbs and controls shock.

Hydraulic fluid flows in between nesting type bellows, holding bellows in uniform alignment during expansion and controlling rate of contraction after shock has been dissipated.

Bellows in expanded position due to the hydrostatic shock in the system.

As hydrostatic shock occurs, these pressures cause the bellows to expand into the pneumatic cushion of the compression chamber. This expanding movement of the bellows provides the displacement required to absorb and control the shock pressure generated in the line. The force of the shock expanding the bellows creates a self-energizing pneumatic pressure, which prevents the bellows from over-expanding and coming into contact with the top of the compression chamber. This same action forces the hydraulic fluid (pure mineral oil) between each convolution of the bellows and the sides of the compression chamber, creating a hydraulic pressure cushion which holds the bellows in uniform alignment during expansion and controls the rate of contraction after the shock force has been dissipated.

The combined cushioning effect of both the pneumatic and hydraulic pressures governs the bellows action, so that shock waves do not bounce back into the piping system and acts to quickly stabilize the water and piping system.

SIZING AND PLACEMENT OF HYDROTROLS



SIMPLIFIED SIZING METHOD

The selection and specification for the correct size Hydrotrol for each piping run may be easily accomplished by the following procedure which incorporates length of piping run, water pressure and other pertinent data into the Sizing Chart.

The Hydrotrol Sizing Chart shows the number of fixture units that may be accommodated by each size Hydrotrol. The U.S. Bureau of Standards "Fixture Unit Rating Table" designates the fixture unit rating for each plumbing fixture when installed in public or private buildings.

Referring to the "Fixture Unit Rating Table", determine the fixture unit rating of each plumbing fixture on the line. Add the total number of fixture units on the line, and use this figure to select and specify the size Hydrotrol required as indicated on the Hydrotrol Sizing Chart.

EXAMPLE:

PLACEMENT OF HYDROTROLS

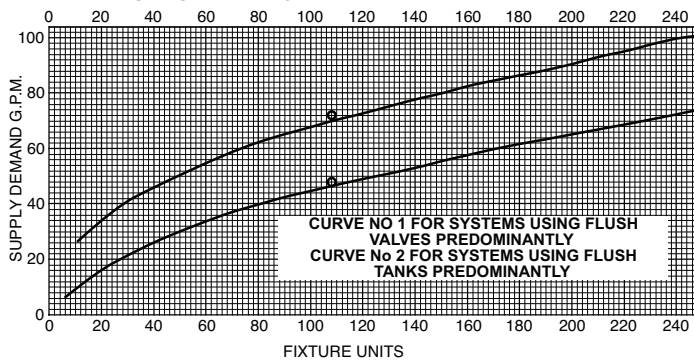
The drawing shows plumbing fixtures installed on a typical piping layout. The figures to the right of each fixture run are the total fixture units for the run based on the fixture unit rating table. The total number of fixture units for each plumbing fixture on the line has been added and is shown for both hot and cold water lines. The total number of fixture units for each run determines the size of Hydrotrol required. If the fixture unit total ends up in a 1/2 number, round up to the next larger whole number.

The additional Hydrotrols shown on batteries of over 20'(6.096M) in length are the same size as those specified in the chart ... shown for each floor.

The following general rules are applicable to proper placement of "Hydrotrols". The locations shown in the installation layout are recommended to give the maximum in water hammer arresting effectiveness:

1. Single fixtures or appliances -- Locate Hydrotrol just before fixture or valve.
2. Battery of fixtures -- Length of battery 20'(6.096M) or less. Locate Hydrotrol between the last and next to last fixtures. (See 5th Floor Examples.)
3. For a battery of fixtures having a branch line over 20' (6.096M) ft. in length, two Hydrotrols should be installed. The two Hydrotrols selected should have combined fixture unit rating equal to or greater than the total fixture unit demand of the plumbing fixtures on the entire branch line. Locate one Hydrotrol between the last and next-to-the-last fixture on the branch line. The other Hydrotrol to be located at a point equal to half the length of the branch line. (See first floor example).
4. On hot water branch lines over 20' (6.096M) ft. in length, where plumbing fixtures are installed on a portion of the line, the second Hydrotrol should be located at a point half the distance of the plumbing fixtures installed. (See second and third floor examples).
5. For special or unique battery arrangements or piping layouts, please consult the Smith Engineering Dept. for the proper specification on sizing and placement.

FOR APPLICATIONS NOT COVERED BY THE FIXTURE UNIT RATING TABLE -



The Graph Chart is based on the U.S. Bureau of Standards Sizing Table and may be used to determine the fixture unit rating based on GPM supplied to the fixture in question.

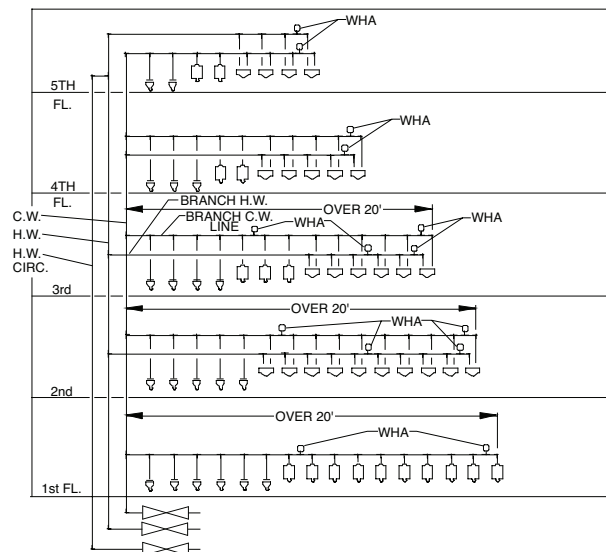
HYDROTROL SIZING CHART

P.D.I. SYMBOLS	A	B	C	D	E	F
HYDROTROL	5005	5010	5020	5030	5040	5050
Fixture Unit Rating	1-11	12-32	33-60	61-113	114-154	155-330

NOTE: When Water Pressure in line exceeds 65 psi, specify the next larger Hydrotrol.

FIXTURE UNIT RATING TABLE GENERAL BUILDING AREAS

FIXTURE	TYPE OF SUPPLY CONTROL	WEIGHT IN FIXTURE - UNITS			
		PUBLIC		PRIVATE	
		C.W.	H.W.	C.W.	H.W.
Water Closet	Flush Valve - 1.6 GPF	8	-	5	-
Water Closet	Flush Tank - 1.6 GPF	5	-	3	-
Pedestal Urinal	Flush Valve - 1.06 GPF	4	-	-	-
Stall or Wall Urinal	Flush Valve - 1.06 GPF	4	-	-	-
Stall or Wall Urinal	Flush Tank	2	-	-	-
Lavatory	Faucet	1 1/2	1 1/2	1	1
Bathtub	Faucet	2	3	1 1/2	1 1/2
Shower head	Mixing Valve	2	3	1	2
Bathroom Group	Flush Valve Closet	-	-	8	3
Bathroom Group	Flush Tank Closet	-	-	6	3
Separate Shower	Mixing Valve	-	-	1	2
Service Sink	Faucet	3	3	-	-
Laundry Tubs (1-3)	Faucet	-	-	3	3
Combination Fixture	Faucet	-	-	3	3



ALTERNATE SIZING METHOD

The simplified sizing method covers 90% of most applications encountered. Where fixture unit ratings are not available or where water is piped to remote items of equipment, the following method of Hydrotrol selection should be used:

- INFORMATION REQUIRED TO USE CHART:**
1. LENGTH OF PIPE RUN. Length of pipe run should be determined from the point of valve closure to a point of relief, such as a large pipe riser twice the size of the branch line, main line or water tank.
 2. PIPE SIZE.
 3. WATER PRESSURE.

HYDROTROL SELECTION CHART

LENGTH OF PIPE	NOMINAL PIPE SIZE					
	1/2"(13)	3/4"(19)	1"(25)	1 1/4"(32)	1 1/2"(38)	2"(51)
25	5005	5005	5010	5020	5030	5040
50	5005	5010	5020	5030	5040	5050
75	5010	5020	5030	1-5005	5050	1-5040
100	5020	5030	5040	1-5040	1-5050	1-5050
125	5020	5030	5050	1-5005	1-5040	1-5040
150	5030	5040	5050	1-5050	1-5050	2-5050
				1-5030	2-5050	3-5050
				1-5050		

NOTE: Data in table is based on a maximum operating water pressure of 65 psi, and an average velocity between 5 to 10 feet per second. If operating pressures are over 65 psi, use next larger Hydrotrol unit.

NOTE: This Fixture Unit Rating Table is established in accordance with the Plumbing & Drainage Institute WH-201 Standard titled Water Hammer Arresters. The local code authority takes precedence over this Fixture Unit Rating Table which shall be appraised for exactness prior to using Water Closet and Urinal fixture unit values are based on 1.6 GPF for water closets and 1.06 GPF for pedestal/stall/wall urinals.



Certificate of compliance available upon request.

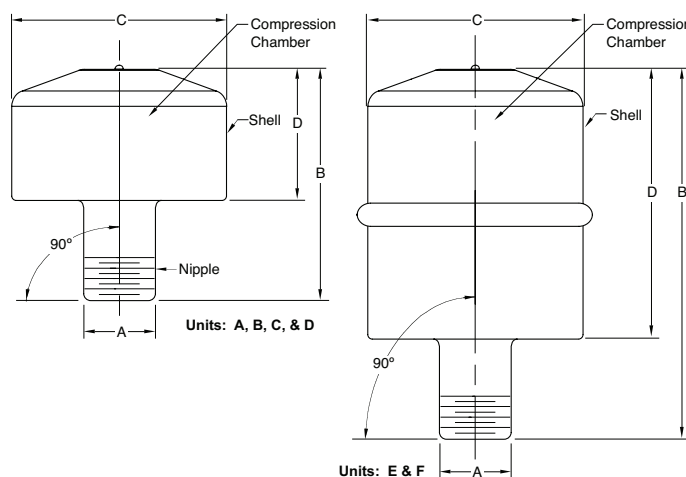


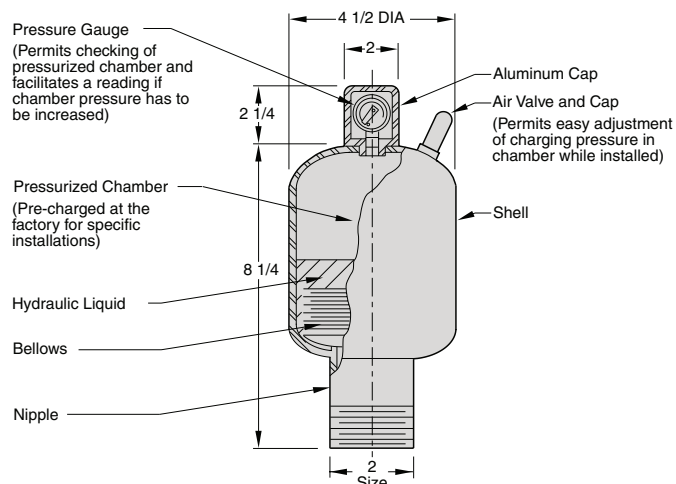
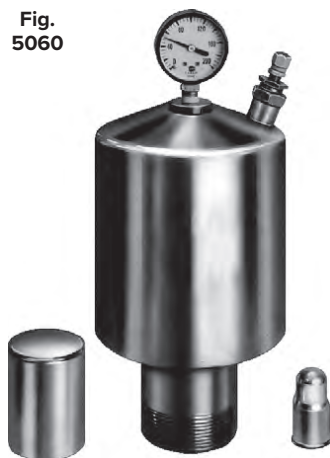
Fig. 5060 - "HY-DUTY" HYDROTROL



Hydrotrols Fig. 5005 to 5050 inclusive have been tested and certified in accordance with the Plumbing and Drainage Institute "Standard P.D.I. WH-201"

Hydrotrols are pre-charged and permanently sealed at the factory. All hydrotrols are constructed entirely of stainless steel.

Fig. 5060



The "Hy-Duty" HYDROTROL has been specially designed to absorb and control the extreme hydrostatic shock pressures that occur in applications such as commercial and institutional laundries, bus and truck washing stations, pumping systems and other large piping systems. Because of the special nature of this unit, all requests for sizing should be sent to the Smith Engineering Dept. for review. To enable the company to properly size units for specific jobs, the following information must be furnished.

1. Length of piping run from main to location of discharge valves for equipment.
2. Size of branch pipe and main.
3. Velocity (flow rate) through the branch and main.
4. Water pressure - both static and flowing.
5. Types of equipment served - name, number, flow rate.
6. Sketch or layout of the complete piping system related to the equipment to be protected. This is desirable so that a complete survey of the installation can be made.

FIG. NO.	PDI SIZE	FIXTURE UNIT CAPACITY	A SIZE	B	C	D	E	STAINLESS STEEL	APPROX. WEIGHT LBS.
5005	A	1-11	3/4"	3.25	3.25	1.60	1.57	855.00	1
5010	B	12-32	1"	4.06	3.25	2.05	2.00	1,747.00	2
5020	C	33-60	1"	4.38	3.25	2.36	2.00	2,606.00	3
5030	D	61-113	1"	5.25	3.25	3.26	2.00	6,537.00	3
5040	E	114-154	1"	7.03	3.25	5.04	2.00	7,378.00	4
5050	F	155-330	1"	7.03	3.25	5.04	2.00	9,068.00	4
5060	—	—	1"	10 1/2	4 1/2	—	2.00	14,554.00	8

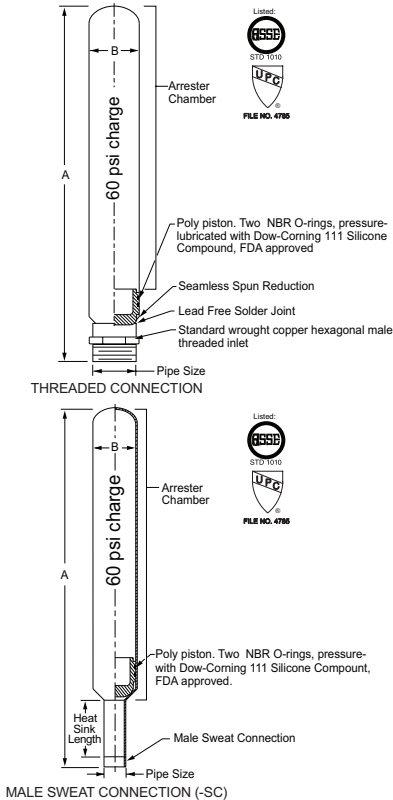
RECOMMENDED SPECIFICATION FOR HYDROSTATIC SHOCK CONTROL

Smith series 5000 "Hydrotrol" all stainless steel shock absorbers shall be installed at all solenoid, remote operated or quick closing valves and at each plumbing fixture or battery of plumbing fixtures. Install on both hot and cold water branch lines in an upright position as close as possible to the valve or valves being served. Sizes and locations as indicated on drawings.

Stainless Steel Units are Lead Free

FIG. 5205-5250 PISTON TYPE WATER HAMMER ARRESTERS - LEAD FREE

Maximum working pressure - Designed to keep residential, commercial, and industrial water lines @ 350 p.s.i. maximum working pressure during pressure surges following quick valve closure. Working TEMPERATURE RANGE - From 33 degrees to 250 degrees F.


INSTALLATION

The piston unit can be installed in new construction or renovation/remodel by threading into properly sized female I.P.S. fitting (wrench or hex). It can be installed at any angle to accommodate structural limitations, and should be placed as close to the shut-off valve as possible, one on each hot and cold line. The piston unit is seamless, factory charged and is maintenance free and does not require access panels. It cannot be charged in the field.

TYPICAL INSTALLATIONS

- Properly sized and placed (see tables below) the piston unit can be set in a multiple fixture branch for commercial/institutional/industrial/residential applications.
- As a tee configuration with stub outs in walls behind sinks, lavatories, and water closets.
- MIP Threaded model - Threaded into female I.P.S. connections in tub and shower valves.
- In supply lines of clothes washers and dishwashers. (AA not recommended for these applications)
- Into cold inlet and hot outlet of water heater for general protection.

NOTE: For additional Hydrotrol sizing and placement data go to our web site at www.jrsmith.com or contact your local Jay R. Smith Representative.

NOTE: Systems exceeding 60 PSI (414kPa) shall be installed with a pressure reducing valve upstream of the unit per ASSE Standard #1010.

NOTE: The wetted surface of the product contacted by consumable water contributes less than one quarter of one percent of lead by weight.

PISTON UNITS Comply with the following:

ASSE/ANSI 1010 Water Hammer Arrester

IMPORTANT

INSTALL USING WRENCH ON HEX ABOVE THREADS PROTECT PRESSURE CHAMBER FROM DENTING.

FIG. NO.	SIZING SYMBOL	FIXTURE UNIT CAPACITY	SIZE	AIR CHARGE	THREADED CONN.	DIMENSIONS		SWEAT CONN. (-SC)	SIZE		DIMENSIONS		APPROX. WEIGHT LBS.
						A	B DIA.				A	B DIA.	
*5201	AA	1 to 3	1/2 NPT	60 psig	212.00	5 1/8"	7/8"	212.00	1/2" CTS	5/8" OD	5 5/8"	7/8"	.5
5205	A	1 to 11	1/2 NPT	60 psig	272.00	6"	1 1/8"	272.00	1/2" CTS	5/8" OD	6 9/16"	1 1/8"	.5
5210	B	12 to 32	3/4 NPT	60 psig	526.00	7 1/4"	1 1/8"	526.00	3/4" CTS	7/8" OD	10 13/16"	1 3/8"	.5
5220	C	33 to 60	1 NPT	60 psig	828.00	8 3/4"	1 3/8"	828.00	1" CTS	1 1/8" OD	14"	1 3/8"	1
5230	D	61 to 113	1 1/4 NPT	60 psig	1,748.00	10 3/16"	1 5/8"	1,748.00	1 1/4" CTS	1 3/8" OD	13 1/2"	2 1/8"	1
5240	E	114 to 154	1 1/2 NPT	60 psig	2,168.00	11 1/8"	2 1/8"	2,168.00	1 1/2" CTS	1 5/8" OD	13 1/4"	2 5/8"	1
5250	F	155 to 330	2 NPT	60 psig	2,581.00	13"	2 5/8"	2,581.00	2" CTS	2 1/8" OD	14 1/8"	2 5/8"	2

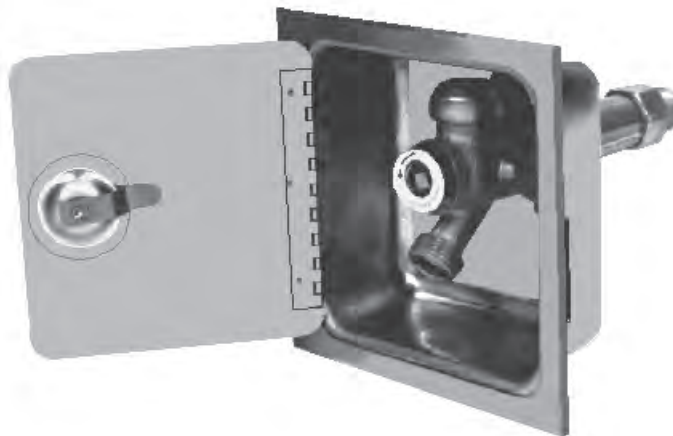
*For use in residential applications only.

FIXTURE	TYPE OF SUPPLY CONTROL	WEIGHT IN FIXTURE UNITS					
		PUBLIC			PRIVATE		
		TOTAL	C.W.	H.W.	TOTAL	C.W.	H.W.
WATER CLOSET	FLUSH VALVE	10	10	-	6	6	-
WATER CLOSET	FLUSH TANK	5	5	-	3	3	-
PEDESTAL URINAL	FLUSH VALVE	10	10	-	-	-	-
STALL OR WALL URINAL	FLUSH VALVE	5	5	-	-	-	-
STALL OR WALL URINAL	FLUSH TANK	3	3	-	-	-	-
LAVATORY	FAUCET	2	1 1/2	1 1/2	1	1	1
BATHTUB	FAUCET	4	2	3	2	1 1/2	1 1/2
SHOWER HEAD	MIXING VALVE	4	2	3	2	1	2
BATHROOM GROUP	FLUSH VALVE CLOSET	-	-	-	8	8	3
BATHROOM GROUP	FLUSH TANK CLOSET	-	-	-	6	6	3
SEPARATE SHOWER	MIXING VALVE	-	-	-	2	1	2
SERVICE SINK	FAUCET	3	3	3	-	-	-
LAUNDRY TUBS (1-3)	FAUCET	-	-	-	3	3	3
COMBINATION FIXTURE	FAUCET	-	-	-	3	3	3

ASSE/PDI WATER HAMMER ARRESTER SIZING CHART

FOR FLOW PRESSURE UP TO 65 P.S.I.G						
LENGTH OF PIPE	NOMINAL PIPE DIAMETER					
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	E	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF

HYDRANTS



ORDERING GUIDELINES



5500-5900 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

5509QT (-10-WC)

Figure No. _____

Wall Thickness _____

Adjustable Wall Clamp _____

5609QT (-08-WC-HC1)

Figure No. _____

Wall Thickness _____

Adjustable Wall Clamp _____

1" Hose Connection _____

TECHNICAL DATA

1/4 TURN NON-FREEZE WALL HYDRANTS Box-type 1/4 turn non-freeze wall hydrants are recommended for all finished exterior walls. Smith regularly furnishes this type wall hydrant with a stainless steel box. Figures 5560QT Series has a bronze box with a high polished chrome plated face. Stainless Steel and chrome plate finish will not "oxide stain" finished exterior walls. All Smith boxes are face-of-wall design. The box flange covers the rough opening and fits flush against exterior wall surface. The hinged locking cover conceals the hose nozzle and all operating parts. Advantages of flush recessed box type non-freeze hydrants are:

- No protruding hose connection, operating mechanism or key.
- Cannot be used by unauthorized persons.
- Protected against vandalism and tampering.
- Flush design offers the ultimate in appearance in any finished exterior wall.

Projecting hose connection type 1/4 turn non-freeze hydrants (5600 Series) are recommended in finished exterior walls where protruding parts will not present a problem and where vandalism or tampering protection is not a necessity. This type is recommended with a nickel plated face to prevent staining of finished walls. Usually, the exposed type hydrant is installed where shrubs or other plantings conceal the hydrant and where property is protected by fencing or other security measures.

HOSE CONNECTIONS Smith 1/4 Turn Non-Freeze Wall Hydrants are regularly furnished with a 3/4" - 11 1/2 NH garden hose connection. This connection is regularly furnished for both 3/4" and 1" inlet sizes. A 1" 11 1/2 NPSH water hose connection can be furnished (-HC1) when specified.

1/4 TURN NON-FREEZE SERIES With exception of short as possible (-SAP) types, series 5500 and 5600 should always be used where outside temperatures drop below freezing. In mild climates or at indoor locations where freezing temperatures are not encountered, the 5509QT-SAP and 5519-SAP type mild climate box hydrants are recommended. These series are regularly furnished with a stainless steel box to protect the finished wall from staining.

The 5509QT and 5609QT series non-freeze wall hydrants are regularly furnished with an integral atmospheric vacuum breaker. The 5519 and 5619 series non-freeze wall hydrants are regularly furnished with an integral vacuum breaker dual check valve. The 5560QT and 5561QT series are regularly furnished without a vacuum breaker. These are available with an add-on type vacuum breaker as variation (-H) when specified.

Back siphonage is prevented when a negative pressure or vacuum occurs in the hydrant by automatically closing the vacuum breaker and opening air ports, thus breaking the vacuum within the hydrant.

REPLACEMENT PARTS LIST

The following diagrams and replacement parts list can be used in figure numbers below. All Smith hydrant submittal drawings show a complete parts list on reverse side of drawing.

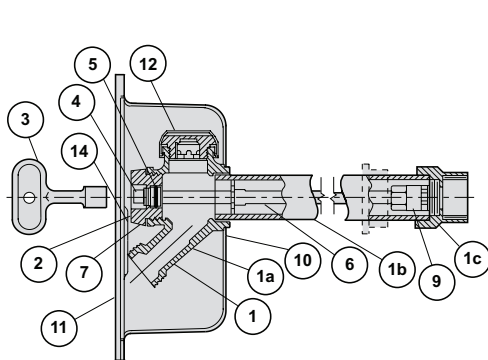


Fig. 5509QT
Fig. 5609QT

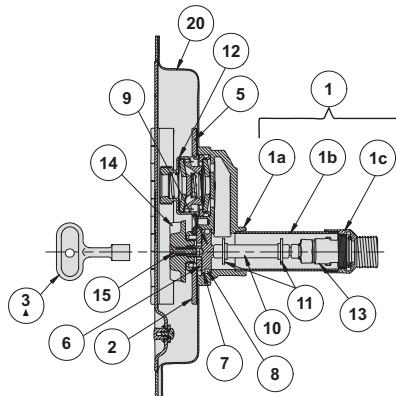


Fig. 5519
Fig. 5619

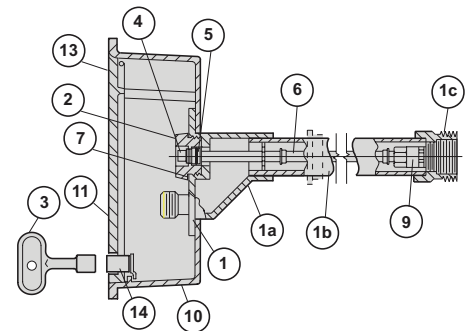


Fig. 5560QT
Fig. 5561QT

REPLACEMENT PARTS LIST WITH USE BY FIGURE NUMBER SPECIFY FIGURE NUMBER WHEN ORDERING

PART NO.	DESCRIPTION	FIGURE NUMBER				PART NO.	DESCRIPTION	FIGURE NUMBER	
		5509QT	5560QT	5561QT	5609QT			5519	5619
1	HEAD/CASING ASSEMBLY					1	HEAD/CASING ASSEMBLY		
2	FACE NUT					2	WALL PLATE ASSEMBLY		
3	KEY					3	KEY		
4	ACTUATOR SHAFT					5	WALL PLATE GASKET		
5	ACTUATOR "O" RING					6	STATIONARY OPERATOR PIECE		
6	OPERATING ROD					7	MOVEABLE OPERATOR PIECE		
7	FACE NUT WASHER					8	MOVEABLE OPERATOR O-RING		
8	VACUUM BREAKER ASSY					9	DRAIN HOLE SEAL (2)		
10	BOX					10	OPERATOR ROD		
11	COVER					11	OPERATOR ROD GUIDES (2)		
12	BACKER PLATE					12	VB/DUAL CHECK VALVE ASSY		
13	HINGE PINS (2)					13	ACTUATOR CARTRIDGE		
14	LOCKING DEVICE					20	BOX		

NOTE: HYDRANT PART NUMBERS HAVE CHANGED OVER THE YEARS.
CONSULT FACTORY BEFORE ORDERING

HYDRANTS TECHNICAL DATA AND OPTIONAL INLET CONNECTIONS

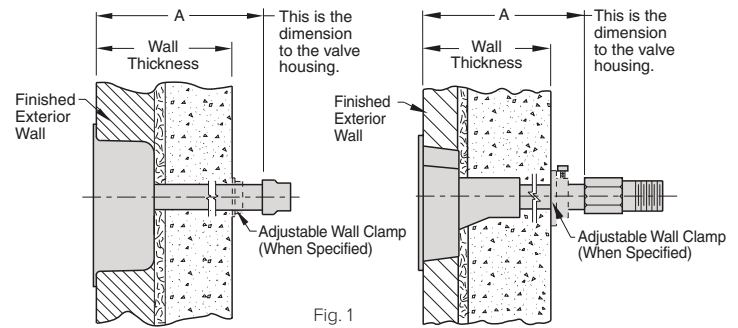


NON-FREEZE GROUND AND POST HYDRANTS are supplied with a special valve housing which prevents freezing of hydrant during non-use periods. The valve housing must be installed below the frost line (minimum depth of bury) which prevails for the area of installation. The valve housing has a drain hole which drains the casing of hydrant when hydrant is shut off. In effect, there is no water in the casing during non-use periods. Normally, water from the drain hole is allowed to drain into the ground. The valve housing should be set in a bed of gravel so that water drained from casing can leach into ground.

Some locations which require Non-Freeze Ground Hydrants cannot tolerate water draining from the drain hole. Examples are parking garages, plazas, and roof decks used for recreational purposes. Often in this type of application the valve housing will protrude into a finished area which is not subject to freezing temperatures. To eliminate the problem of water drainage in this type of installation, Smith can supply a tapped drain hole in the hydrant box and a tapped drain hole in the valve housing. By using the tapped drain hole, water accumulation in the box, and the normal drain down water from the valve housing drain hole can be piped to a suitable drain.

SPECIFYING WALL SIZE Primary function of both 5500 and 5600 Series 1/4 Turn Non-Freeze Wall Hydrants is to supply water to the building exterior without danger of freezing, regardless of how low the outside temperature falls. For this reason, the hydrant must be specified with a casing long enough to locate the valve seat inside the heated building. (Fig. 1) shows how to determine proper size required.

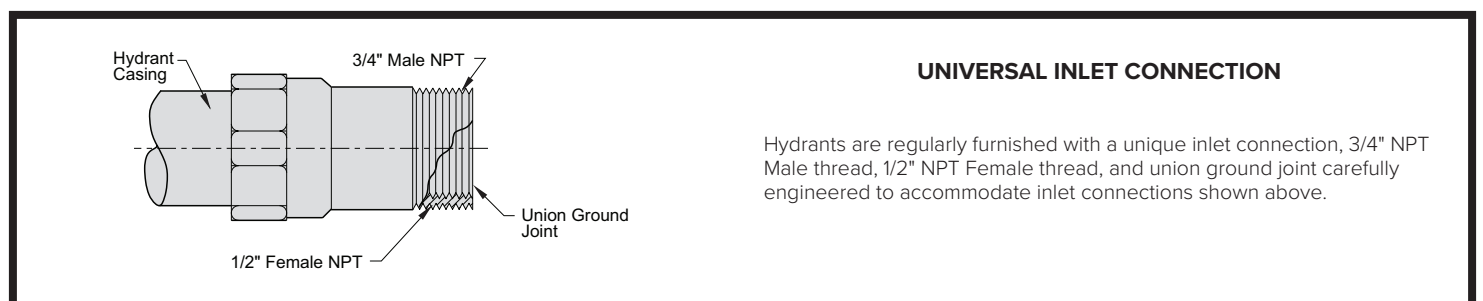
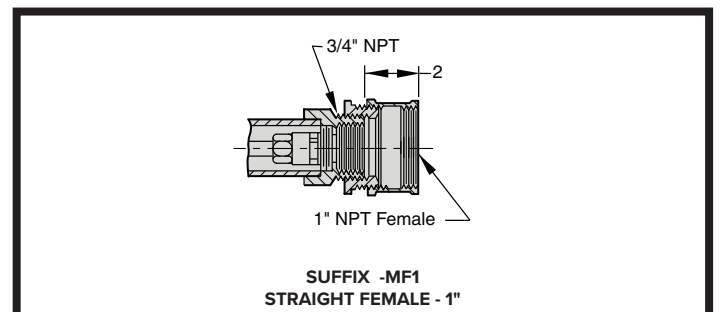
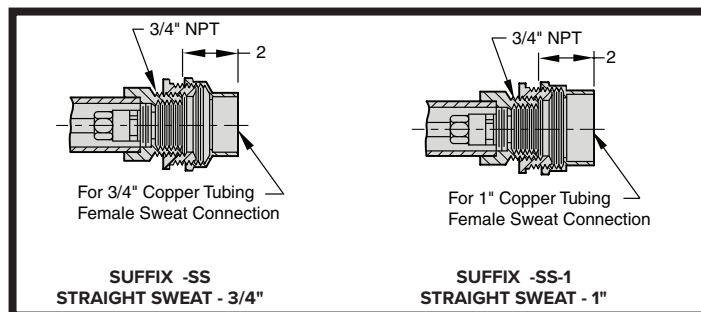
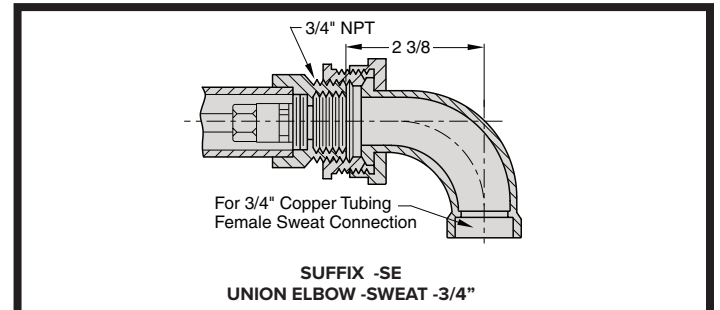
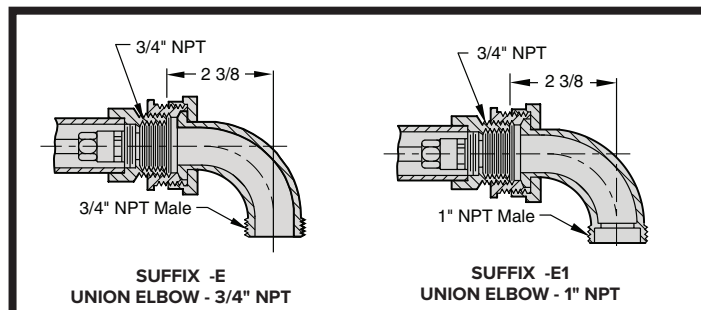
NOTE: All wall hydrant series are available in short as possible types for mild climate installation. Specify series number -SAP.



NOTE: When ordering, specify Figure Number and "A" dimension. "A" should always be greater than wall thickness for non-freeze installations. When a wall clamp is specified, add 1 1/4" to the wall thickness to arrive at a minimum required "A." The "A" specified should be the next larger, even number; such as 06", 08", 10", etc. Wall hydrants are furnished in lengths of 2" increments.

Often, non-freeze wall hydrants must be concealed entirely within the wall. When so required, an overall dimension can be specified. This dimension is measured from face of hydrant box to extreme end of inlet connection. When the valve seat must be concealed within the wall, extra precautions must be taken to properly insulate the valve seat housing to protect against freezing.

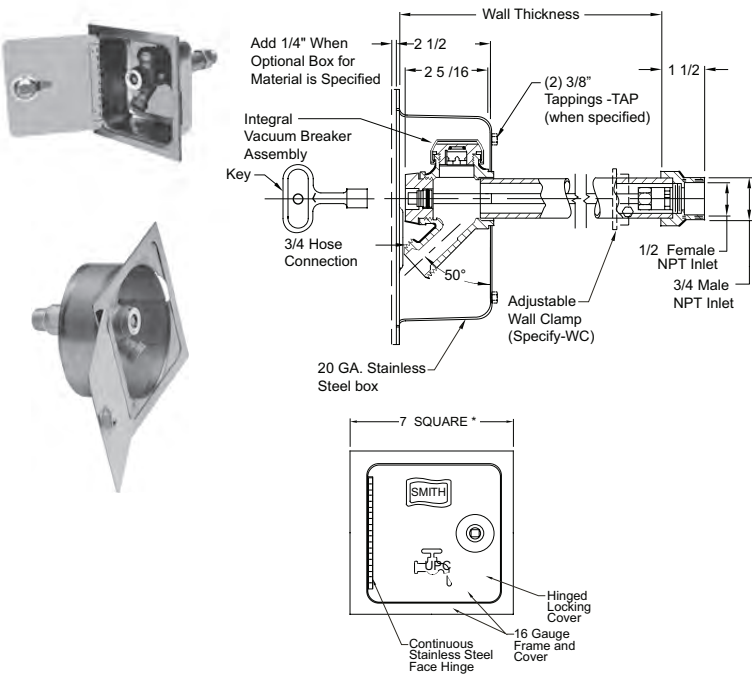
OPTIONAL INLET CONNECTIONS



Hydrants are regularly furnished with a unique inlet connection, 3/4" NPT Male thread, 1/2" NPT Female thread, and union ground joint carefully engineered to accommodate inlet connections shown above.

HYDRANTS

FIG. 5509QT QUARTERHORSE-1/4 TURN SS BOX-TYPE HYDRANT W/INTEGRAL VACUUM BREAKER AND CONCEALED HOSE CONNECTION



WALL THICKNESS	3/4" INLET	APPROX. WEIGHT LBS.
-SAP	2,079.00	8
06, 08"	2,407.00	9
10, 12, 14, 16"	2,632.00	10
18, 20, 22, 24"	2,851.00	11

REGULARLY FURNISHED: Bronze Nickel Plated Quarter Turn Self Draining Non-Freeze Hydrant with Hose Connection, Integral Vacuum Breaker, "T" Handle Key, and Stainless Steel Box with Full 180° Cover Opening.

OPTIONS:		ADD
-CL	Cylinder Lock	292.00
-CP	Chrome Plated Face	474.00
-E	Elbow Inlet	69.00
-E1	1" NPT Elbow Inlet	407.00
-HC1	1" Hose Conn Adaptor	331.00
-IC1**	1" Male NPT Inlet Connection	331.00
-MF1	1" Straight Female Inlet	331.00
-NB	Nickel Bronze Face	432.00
-PB	Polished Bronze Face	95.00
-RB	Rough Bronze Face	95.00
-SE	Sweat Elbow Inlet	69.00
-SE1	1" NPT Sweat Elbow Inlet	407.00
-SS	Straight Sweat Inlet	N/C
-SS1	1" Straight Sweat Inlet	331.00
-SSR	▲ 6" Cored Hole Stainless Steel Box (Round)	429.00
-W	"Water" on Cover	N/C
-WC	Adjustable Wall Clamp	N/C

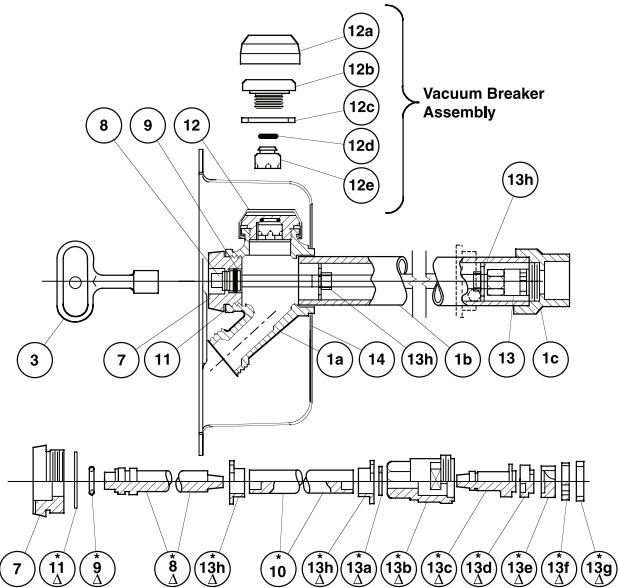
	LIST
5509QTBA	SS Box w/Hinged Locking Cover
5509QTBA	SS Box w/Hinged Locking Cover w/NB Face
5509QTBA	SS Box w/Hinged Locking Cover w/PB Face
5509QTBA	SS Box w/Hinged Locking Cover w/RB Face
5509QTBA	SS Box w/Hinged Locking Cover w/CP Face

▲ Cored Hole Box only available with SS Face
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

- NOTES:**
- *Recommended wall opening 6" x 6". Hydrant shall be in the vertical position only, the connection must be on the bottom.
 - For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 2" increments as follows: 06, 08, 10, 12, 14, 16, 18 20, 22 or 24. When wall clamp -WC is desired, increase wall thickness dimension by 2".
 - All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
 - When an Optional Box Face Material is Specified a Concealed Hinge will be Provided, also add 1/4" to Flange Thickness.
 - The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61-Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 - For the hydrant to drain properly and provide non-freeze protection when used with a hose, the Hose must be removed from the nozzle after each use.
 - FOR IRRIGATION PURPOSES ONLY.**

** Add 3/4" to overall length when specified.

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.



HYDRANT PARTS LIST					
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Head/Casing Assembly	10	Operator Rod	13a	Retaining Ring
1a	Head	11	Face Nut Washer	13b	Valve Body
1b	Casing	12	Vacuum Breaker Assembly	13c	Valve Actuator
1c	Valve Housing	12a	VB Cap	13d	Nylon Thrust Washer
3	Key	12b	VB Body	13e	Rotating Ceramic Disc
7	Face Nut	12c	VB Washer	13f	Fixed Ceramic Disc
8	Actuator Shaft	12d	VB "O" Ring	13g	Silicon Rubber Seal
9	Actuator "O" Ring	12e	VB Piston	13h	Retainer Guide (2)
		13	Valve Body Assembly	14	Box Assembly S.S.

Δ These Replacement Parts Available in HPRK-7

* All Parts Accessible from Face of Hydrant by Removing Face Nut.

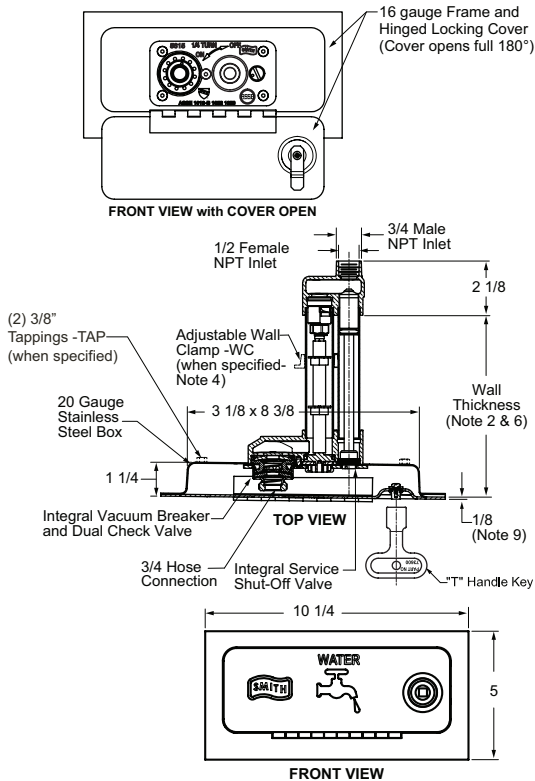
*REGULARLY FURNISHED

HYDRANTS

FIG. 5515 - GUARDIAN PLUS DUAL CHECK, 1/4 TURN NON-FREEZE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT-OFF VALVE, DUAL CHECK VALVE W/SS BOX



1/4 Turn of the Key or Wheel Handle
Allows Full Flow to be Obtained



OPTIONS:		ADD
-CL	Cylinder Lock	POA
-CP	Chrome Plated Box Face	POA
-HC1	1" Hose Conn Adaptor	POA
-IC1	1" Male Inlet Connection (Note 5)	POA
-NB	Nickel Bronze Box Face	POA
-PB	Polished Bronze Box Face	POA
-RB	Rough Bronze Box Face	POA
-WC	Adjustable Wall Clamp	POA
-WH	Wheel Handle	POA

- NOTES:**
1. Recommended wall opening 3 3/16 x 8 1/2.
 2. For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 1" increments as follows: 04, 05, 06....24.
 3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
 4. When wall clamp -WC is specified, increase wall thickness dimension by 2".
 5. Add 3/4" to Overall Length when IC1 is specified.
 6. ●When specifying (-SAP) the wall thickness shall be 3.
 7. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61 - Drinking Water Systems Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 8. Add 3/8" when optional box face material is specified.
 9. An additional inlet isolation or shut-off valve is usually unneeded with this hydrant, but if required it should be mounted 10 ft or more from the hydrant inlet.
 10. Temperature Range: 33.0° F to 140.0° F (6° C to 60.0° C).
 11. This ASSE 1019 device shall not be subjected to more than twelve (12) hours of continuous water pressure.
 12. **FOR IRRIGATION PURPOSES ONLY.**

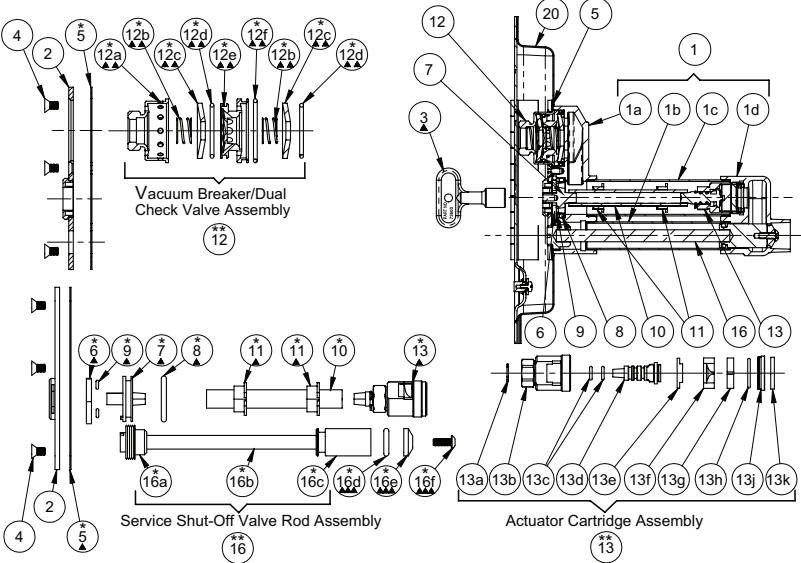
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

WALL THICKNESS	3/4" INLET
-SAP●	POA
05 - 08"	POA
09 - 16"	POA
17 - 24"	POA
25 - 31"	POA

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

Meets ASME A112.21.3M Specifications
Complies w/ ASSE 1019-B,1052 and 1053.
IAPMO Listed- File #2749
PATENT NO. 8,973,599
PATENT NO. 10, 017,921

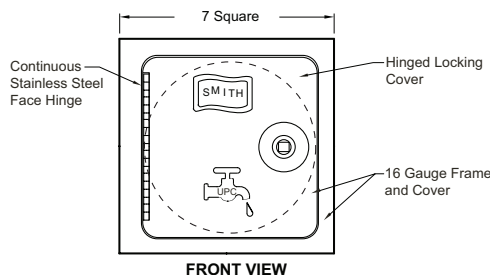
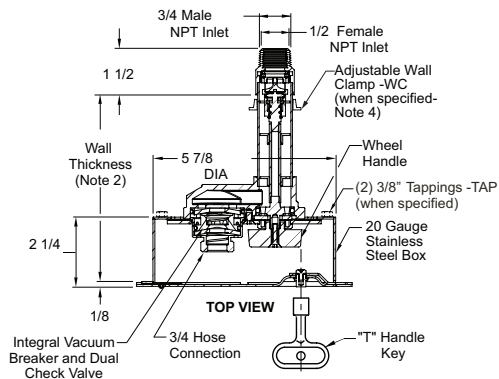
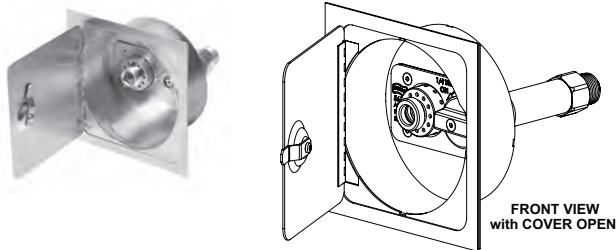
REGULARLY FURNISHED: Bronze Quarter Turn Non-Freeze, Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker, Integral Service Shut-Off Valve, Dual Check Valve, "T" Handle Key and Stainless Steel Box with Full 180° Cover Opening.



HYDRANT PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	12e	**Flow Diverter
1a	Head	12f	**Large O-Ring
1b	Casing	13	Actuator Cartridge Assembly
1c	Casing	13a	**Retaining Ring
1d	Valve Housing	13b	**Valve Body
2	Wall Plate Assembly	13c	**Actuator O-Ring (2)
3	Key	13d	**Valve Actuator
4	Wall Plate Securing Screw (5)	13e	**Nylon Thrust Washer
5	Wall Plate Gasket	13f	**Rotating Ceramic Disc
6	Stationary Operator Piece	13g	**Fixed Ceramic Disc
7	Moveable Operator Piece	13h	**O-Ring
8	Moveable Operator O-Ring	13i	**O-Ring Gasket Retainer
9	Drain Hole Seal (2)	13k	**Rubber Seal
10	Operator Rod	16	Service Valve Rod Assembly
11	Operator Rod Guides (2)	16a	**Service Valve Operator
12	Vacuum Breaker/Dual Check Valve Assembly	16b	**Service Valve Rod
12a	**Vacuum Breaker Housing	16c	**Service Valve Plunger
12b	**Spring (2)	16d	Service Valve O-Ring
12c	**Cone Washer (2)	16e	Service Valve Conical Washer
12d	**Small O-Ring	16f	Service Valve Washer Screw
		20	Box Assembly

- ▲ These Replacement Parts Available in HPRK-19
- ▲▲ These Replacement Parts Available in HPRK-19VB
- ▲▲▲ These Replacement Parts Available in HPRK-15SV
- * These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
- **Parts supplied as an assembly only, see part 12,13 or 16.

*REGULARLY FURNISHED

FIG. 5517 GUARDIAN DUAL CHECK-1/4 TURN NON-FREEZE WALL HYDRANT W/AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE AND SS BOX FOR 6" DIA. CORED HOLE IN CONCRETE EXTERIOR WALL

OPTIONS:		ADD
-CL	Cylinder Lock	292.00
-HC1	1" Hose Conn Adaptor	331.00
-IC1	1" Male Inlet Connection (Note 5)	331.00
-W	"Water" on Cover	N/C
-WC	Adjustable Wall Clamp	N/C

NOTES:

1. Recommended wall opening 6" DIA.
2. For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 1" increments as follows: 05, 06, 07, 08, 09.....24.
3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
4. When wall clamp -WC is desired, increase wall thickness dimension by 2".
5. Add 3/4" to Overall Length when IC1 is specified.
6. •When specifying Fig. 5517 (-SAP) the wall thickness shall be 5.
7. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61-Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
8. **FOR IRRIGATION PURPOSES ONLY.**

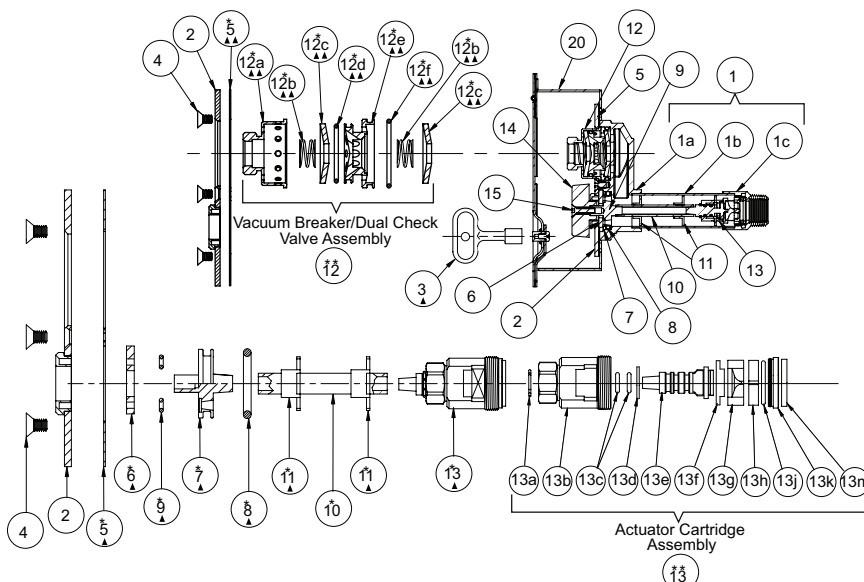
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

Meets ANSI A112.21.3M Specifications
 Complies w/ ASSE 1019-B,1052 and
 1053. IAPMO Listed- File #2749
 Patent No. US 6,752,167

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

WALL THICKNESS	3/4" INLET
-SAP •	2,816.00
05 - 08"	3,190.00
09 - 16"	3,417.00
17 - 24"	3,640.00
25 - 31"	3,862.00

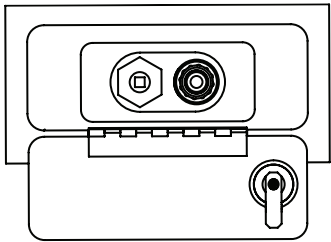
REGULARLY FURNISHED: Bronze Quarter Turn Non-Freeze Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker and Dual Check Valve, "T" Handle Key, Wheel Handle and Stainless Steel Box with Full 180° Cover Opening.



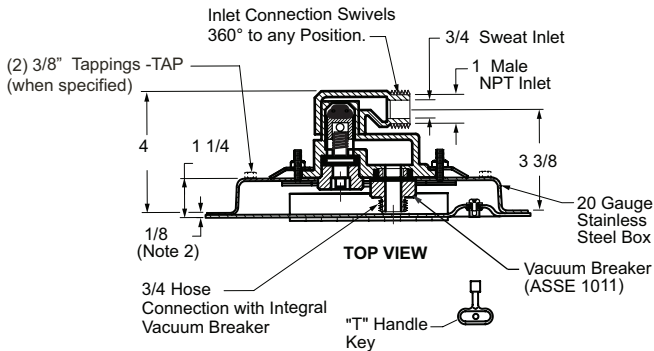
HYDRANT PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	12e	**Flow Diverter
1a	Head	12f	**Large O-Ring
1b	Casing	13	Actuator Cartridge Assembly
1c	Valve Housing	13a	**Retaining Ring
2	Wall Plate Assembly	13b	**Valve Body
3	Key	13c	**Actuator O-Ring (2)
4	Wall Plate Securing Screw	13d	**Nylon Thrust Spacer
5	Wall Plate Gasket (5)	13e	**Valve Actuator
6	Stationary Operator Piece	13f	**Nylon Thrust Washer
7	Moveable Operator Piece	13g	**Rotating Ceramic Disc
8	Moveable Operator O-Ring	13h	**Fixed Ceramic Disc
9	Drain Hole Seal (2)	13j	**O-Ring
10	Operator Rod	13k	**O-Ring Gasket Retainer
11	Operator Rod Guides (2)	13m	**Rubber Seal
12	Vacuum Breaker/Dual Check Valve Assembly	14	Wheel Handle
12a	**Vacuum Breaker Housing	15	Wheel Handle Screw
12b	**Spring (2)	20	Box Assembly
12c	**Cone Washer (2)		
12d	**Small O-Ring		

- ▲ These Replacement Parts Available in HPRK-19
 ▲▲ These Replacement Parts Available in HPRK-19VB
 * These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
 ** Parts supplied as an assembly only, see part 12 or 13.

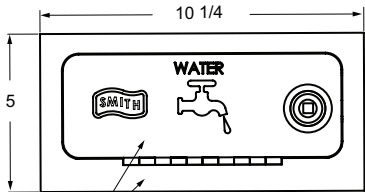
FIG. 5518 NARROW WALL WARM CLIMATE BOX TYPE HYDRANT WITH CONCEALED HOSE CONNECTION



FRONT VIEW
with COVER OPEN



TOP VIEW



FRONT VIEW

16 Gauge Frame and
Hinged Locking Cover
(Cover opens full 180°)

OPTIONS:		ADD
-CL	Cylinder Lock	292.00
-CP	Chrome Plated Box Face	474.00
-NB	Nickel Bronze Box Face	432.00
-PB	Polished Bronze Box Face	95.00
-RB	Rough Bronze Box Face	95.00

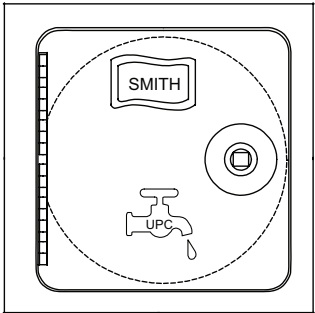
- NOTES:**
1. Recommended wall opening 3 3/16 x 8 1/2".
 2. Add 3/8" when optional box face material is specified.
 3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 4. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61 Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 5. **FOR IRRIGATION PURPOSES ONLY.**

WALL THICKNESS	1" INLET
Narrow Wall	2,185.00

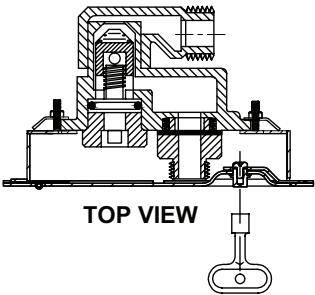
Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

REGULARLY FURNISHED: All Bronze Warm Climate Hydrant with Chrome Plated Face, Hose Connection having Integral ASSE 1011 Vacuum Breaker, 360° Swivel Inlet Connection, "T" Handle Key and Stainless Steel Box.

FIG. 5518-R NARROW WALL WARM CLIMATE BOX TYPE HYDRANT WITH 6" CORED HOLE STAINLESS STEEL BOX

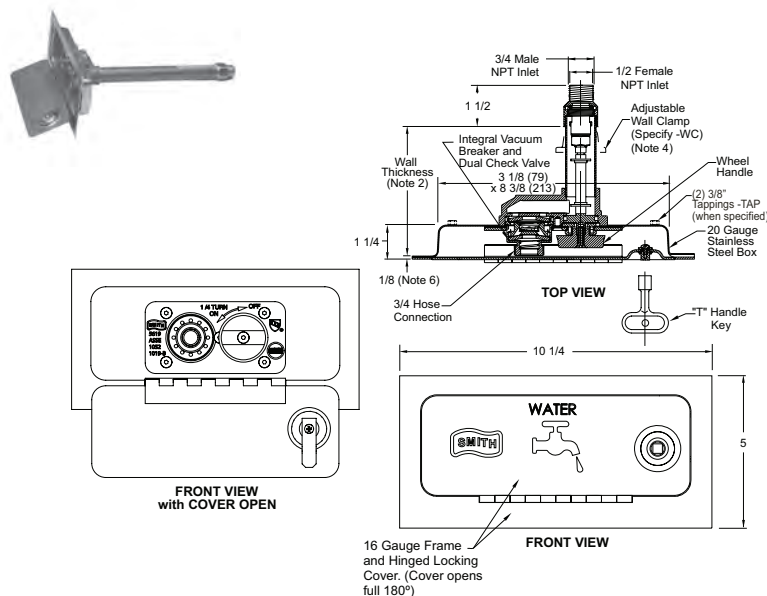


FRONT VIEW



TOP VIEW

NPT INLET	†STAINLESS STEEL BOX
1" Male	POA
ADD FOR:	
-CL Cylinder Lock	POA
-W "Water" on Cover	POA

FIG. 5519 GUARDIAN DUAL CHECK-1/4 TURN NON-FREEZE WALL SS BOX-TYPE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE & CONCEALED HOSE CONNECTION

WALL THICKNESS	3/4" INLET	APPROX. WEIGHT LBS.
-SAP●	2,389.00	8
05 - 08"	2,763.00	9
09 - 16"	2,990.00	10
17 - 24"	3,208.00	11
25 - 31"	3,436.00	14

REGULARLY FURNISHED: Bronze Quarter Turn Non-Freeze Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker and Dual Check Valve, "T" Handle Key, Wheel Handle and Stainless Steel Box with Full 180° Cover Opening.

OPTIONS:		ADD
-CL	Cylinder Lock	292.00
-CP	Chrome Plated Face	474.00
-E	Elbow Inlet	69.00
-E1	1" NPT Elbow Inlet	407.00
-HC1	1" Hose Conn Adaptor	331.00
-IC1	1" Male NPT Inlet Connection (Note 5)	331.00
-MF1	1" Straight Female Inlet	331.00
-NB	Nickel Bronze Face	432.00
-PB	Polished Bronze Face	95.00
-RB	Rough Bronze Face	95.00
-SE	Sweat Elbow Inlet	69.00
-SE1	1" NPT Sweat Elbow Inlet	407.00
-SS	Straight Sweat Inlet	N/C
-SS1	1" Straight Sweat Inlet	331.00
-WC	Adjustable Wall Clamp	N/C

REPLACEMENT BOX		LIST
5519BASS	SS Box Assembly	1,216.00
5519BANB	Nickel Bronze Box Assembly	1,649.00
5519BAPB	Polished Bronze Box Assembly	1,315.00
5519BACP	Chrome Plated Box Assembly	1,692.00

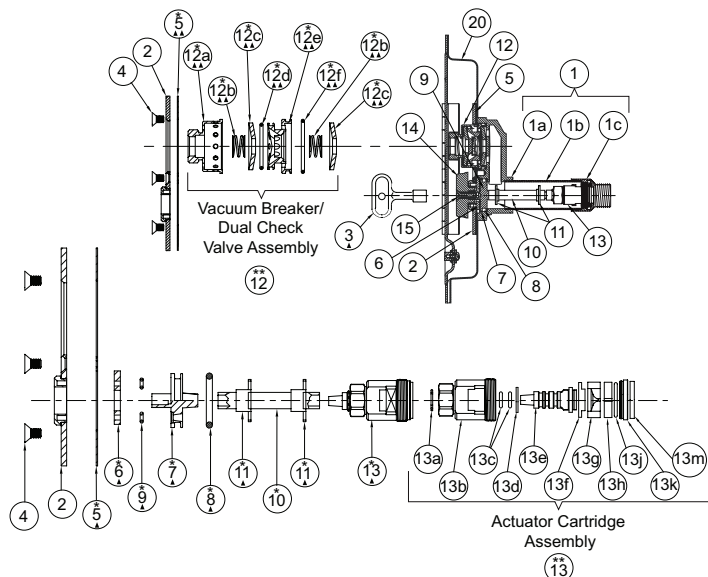
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

- Recommended wall opening 3 3/16 x 8 1/2".
- For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 1" increments as follows: 05, 06, 07, 08, 09.....24.
- All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
- When wall clamp -WC is desired, increase wall thickness dimension by 2".
- Add 3/4" to Overall Length when 1" NPT Male Inlet Connection is specified.
- Add 3/8" When Optional Box Face Material is specified.
- When specifying Fig. 5519 (-SAP) the wall thickness shall be 3".
- The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61-Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
- FOR IRRIGATION PURPOSES ONLY.**

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

Meets ANSI A112.21.3M Specifications
Complies w/ ASSE 1019-B,1052 and 1053.
IAPMO Listed- File #2749
Patent No. US 6,752,167



HYDRANT PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	12	Vacuum Breaker/Dual Check Valve Assembly
1a	Head	12a	**Vacuum Breaker Housing
1b	Casing	12b	**Spring (2)
1c	Valve Housing	12c	**Cone Washer (2)
2	Wall Plate Assembly	12d	**Small O-Ring
3	Key	12e	**Flow Diverter
4	Wall Plate Securing Screw (5)	12f	**Large O-Ring
5	Wall Plate Gasket	13	Actuator Cartridge Assembly
6	Stationary Operator Piece	13a	**Retaining Ring
7	Movable Operator Piece	13b	**Valve Body
8	Movable Operator O-Ring	13c	**Actuator O-Ring (2)
9	Drain Hole Seal (2)	13d	**Nylon Thrust Spacer
10	Operator Rod		
11	Operator Rod Guides (2)		
		13e	**Valve Actuator
		13f	**Nylon Thrust Washer
		13g	**Rotating Ceramic Disc
		13h	**Fixed Ceramic Disc
		13j	**O-Ring
		13k	**O-Ring Gasket Retainer
		13m	**Rubber Seal
		14	Wheel Handle
		15	Wheel Handle Screw
		20	Box Assembly

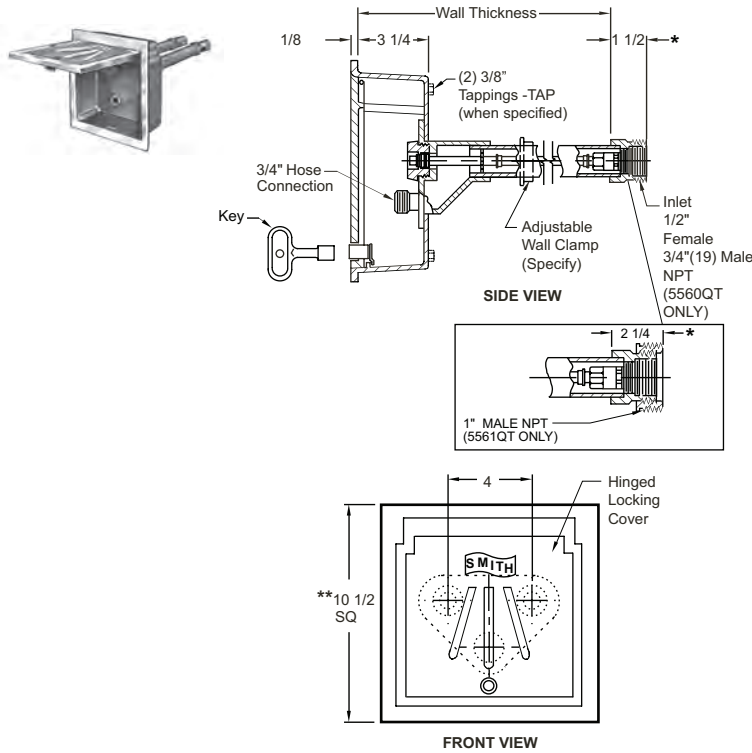
▲ These Replacement Parts Available in HPRK-19

▲▲ These Replacement Parts Available in HPRK-19VB

* These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.

** Parts supplied as an assembly only, see part 12 or 13.

FIG. 5560QT SER. QUARTERHORSE – 1/4 TURN "TWIN TEMP" BRONZE BOX-TYPE HYDRANT W/CONCEALED HOSE CONNECTION FOR HOT & COLD WATER



OPTIONS:		ADD
-CL	Cylinder Lock	292.00
-E	Elbow Inlets	139.00
-E1	1" NPT Elbow Inlets	814.00
-H	3/4" Vacuum Breaker	212.00
-HC1	1" Hose Conn Adaptor	331.00
-MF1	1" Straight Female Inlets	662.00
-SE	Sweat Elbow Inlets	139.00
-SE1	1" NPT Sweat Elbow Inlets	814.00
-SS	Straight Sweat Inlets	N/C
-SS1	1" Straight Sweat Inlets	662.00
-W	"Water" Cast on Cover	N/C
-WC	Adjustable Wall Clamps	N/C
-WH	Wheel Handle	899.00
	DEDUCT	
-LB	Less Box	1,423.00
-NB	NB Face, Deduct	69.00
-PB	PB Face, Deduct	108.00
-RB	RB Face, Deduct	108.00

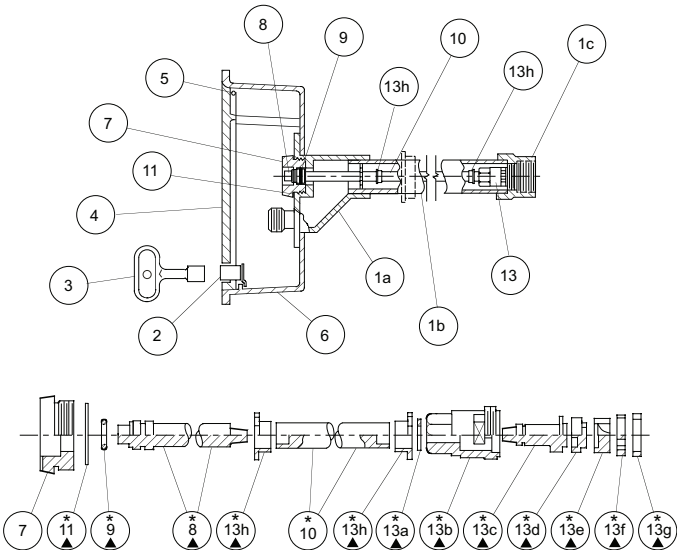
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

*When specifying a 5561QT, add 3/4" to length of inlet connection as shown.

WALL THICKNESS	5560QT 3/4" INLET	5561QT 1" INLET	APPROX. WEIGHT LBS.
-SAP	5,495.00	6,140.00	12
08"	6,031.00	6,674.00	13
10, 12, 14"	6,382.00	7,036.00	14
16, 18"	6,742.00	7,390.00	15
20, 22, 24"	7,106.00	7,746.00	17

REGULARLY FURNISHED: Bronze Quarter Turn Non-Freeze "Twin-Temp" Hydrant with Hose Connection, "T" Handle Key, and Bronze Box with Chrome Plated Face, and Inlet Size Furnished as Indicated by Figure Number Selected.

- NOTES:**
- **Recommended Wall Opening 9 3/4" x 9 3/4".
 - When ordering, specify wall thickness in 2" increments as follows: 6, 8, 10, 12, 14, 16, 18, 20, 22 or 24. When wall clamp -WC is desired, increase wall thickness dimension by 2".
 - For 6" wall use 5560QT-SAP or 5561QT-SAP.
 - All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 - When optional vacuum breaker is supplied, hose must be removed to allow draining to prevent freezing.
 - The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 - FOR IRRIGATION PURPOSES ONLY.**



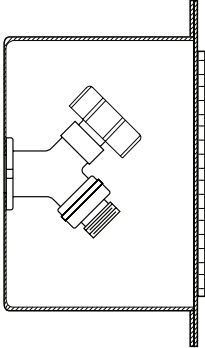
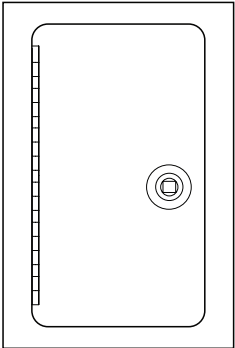
HYDRANT PARTS LIST					
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Head/Casing Assembly	6	Box	13b	Valve Body
1a	Head	7	Face Nut	13c	Valve Actuator
1b	Casing	8	Actuator Shaft	13d	Nylon Thrust Washer
1c	Valve Housing	9	Actuator "O" Ring	13e	Rotating Ceramic Disc
2	Locking Device	10	Operator Rod	11	Face Nut Washer
3	Key	11	Face Nut Washer	13f	Fixed Ceramic Disc
4	Cover	13	Valve Body Assembly	13g	Silicon Rubber Seal
5	Hinge Pins (2)	13a	Retaining Ring	13h	Retainer Guide (2)

- ▲ These Replacement Parts Available in HPRK-7 (2) Repair Kits
- * These Parts Accessible from Face of Hydrant by Removing Face Nut.

FIG. 5572, 5573 MILD CLIMATE ANTI-SIPHON SILLCOCK AND STAINLESS STEEL BOX



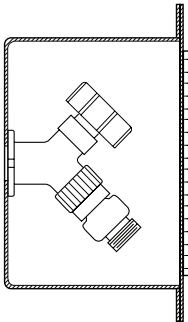
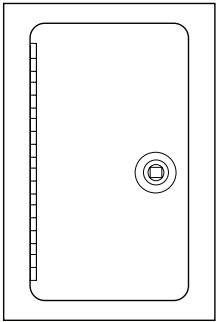
Inlet Connection	Series No.	*Rough Brass
1/2"	5572	POA
3/4"	5573	POA



Female Threaded Inlet

FIG. 5572-BFP, 5573-BFP MILD CLIMATE ANTI-SIPHON SILLCOCK W/DUAL CHECK VALVE AND SS BOX

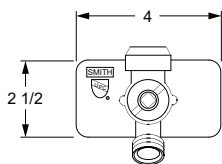
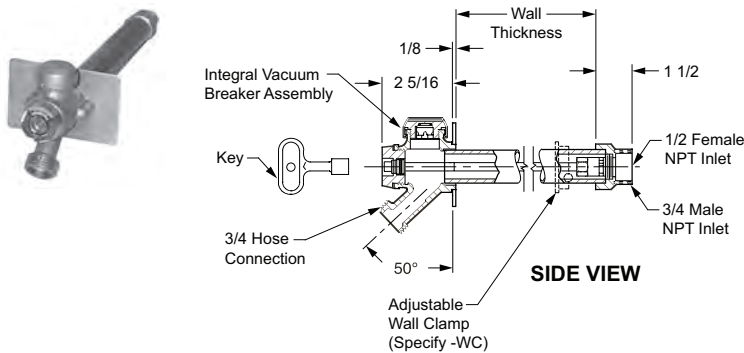
Inlet Connection	Series No.	*Rough Brass
1/2"	5572-BFP	POA
3/4"	5573-BFP	POA



Female Threaded Inlet

HYDRANTS

FIG. 5609QT QUARTERHORSE - 1/4 TURN HYDRANT W/INTEGRAL VACUUM BREAKER AND EXPOSED HOSE CONNECTION

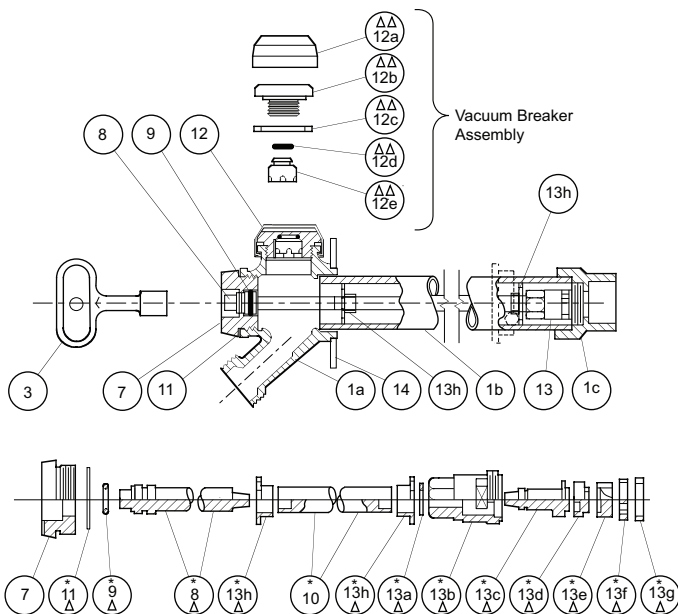


FRONT VIEW

Fig. 5609QT

WALL THICKNESS	3/4" INLET	APPROX. WEIGHT LBS.
-SAP	1,015.00	7
04, 06"	1,346.00	8
08, 10, 12, 14"	1,569.00	9
16, 18, 20, 22"	1,786.00	10
24, 26, 28, 30"	2,016.00	12

REGULARLY FURNISHED: Bronze Nickel Plated Quarter Turn Non-Freeze Hydrant with 3/4" Hose Connection, Backer Plate, Integral Vacuum Breaker with Vandal Resistant Cap and "T" Handle Key.



OPTIONS:		ADD
-CP	Chrome Plated Face	146.00
-E	Elbow Inlet	69.00
-E1	1" NPT Elbow Inlet	407.00
-HC1	1" Hose Conn Adaptor	331.00
-IC1	1" Male NPT Inlet Connection*	331.00
-MF1	1" Straight Female Inlet	331.00
-PB	Polished Bronze Face	95.00
-SS	Straight Sweat Inlet	N/C
-SS1	1" Straight Sweat Inlet	331.00
-SE	Sweat Elbow Inlet	69.00
-SE1	1" NPT Sweat Elbow Inlet	407.00
-WC	Adjustable Wall Clamp	N/C
-WH	Wheel Handle	449.00

*Add 3/4" to Overall Length When Specified

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

1. Recommended wall opening 2 x 2. Hydrant shall be in the vertical position only, the hose connection must be on the bottom.
2. For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 2" increments as follows: 04, 06, 08, 10, 12, 14, 16, 18 20, 22 or 24. When wall clamp -WC is desired, increase wall thickness dimension by 2".
3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
4. The AB1953, California Lead Law, and NSF/ANSI Standard 61 - 2008 -Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
5. For the hydrant to drain properly and provide non-freeze protection when used with a hose, the **Hose must be removed** from the nozzle after each use.
6. **FOR IRRIGATION PURPOSES ONLY.**

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

HYDRANT PARTS LIST					
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Head/Casing Assembly	10	Operator Rod	13a	Retaining Ring
1a	Head	11	Face Nut Washer	13b	Valve Body
1b	Casing	12	Vacuum Breaker Assembly	13c	Valve Actuator
1c	Valve Housing	12a	VB Cap	13d	Nylon Thrust Washer
3	Key	12b	VB Body	13e	Rotating Ceramic Disc
7	Face Nut	12c	VB Washer	13f	Fixed Ceramic Disc
8	Actuator Shaft	12d	VB "O" Ring	13g	Silicon Rubber Seal
9	Actuator "O" Ring	12e	VB Piston	13h	Retainer Guide (2)
		13	Valve Body Assembly	14	Backer Plate w/Screws

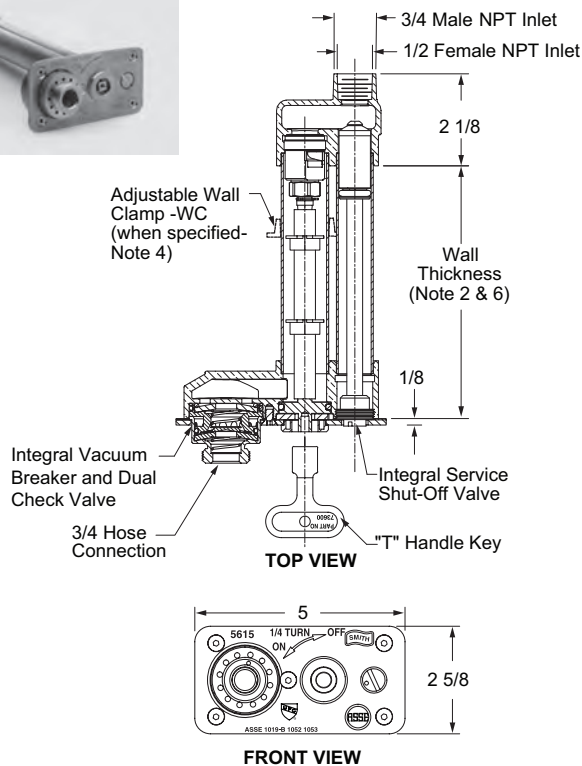
Δ These Replacement Parts Available in HPRK-7

ΔΔ These Replacement Parts Available in HPRK-7VB

* These Parts Accessible from Face of Hydrant by Removing Face Nut.

*REGULARLY FURNISHED

FIG. 5615 GUARDIAN PLUS DUAL CHECK, 1/4 TURN NON-FREEZE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT-OFF VALVE, DUAL CHECK VALVE



WALL THICKNESS	3/4" INLET
-SAP●	POA
05 - 08"	POA
09 - 16"	POA
17 - 24"	POA
25 - 31"	POA

OPTIONS:		ADD
-HC1	1" Hose Conn Adaptor	POA
-IC1	1" Male NPT Inlet Connection (Note 5)	POA
-WC	Adjustable Wall Clamp	POA
-WH	Wheel Handle	POA

NOTES:

- Recommended wall opening 2 1/4 x 4 3/4.
- For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 1" increments as follows: 04, 05, 06.....24.
- All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
- When wall clamp -WC is desired, increase wall thickness dimension by 2.
- Add 3/4" to Overall Length when IC1 is specified.
- When specifying (-SAP) the wall thickness shall be 2.
- The AB100, AB1953, California Lead Law, and NFS/ANSI Standard 61-Drinking Water Systems Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
- An additional inlet isolation or shut-off valve is usually unneeded with this hydrant, but if required it should be mounted 10 ft or more from the hydrant inlet.
- Temperature Range: 33.0° F to 140.0° F (6° C to 60.0° C).
- This ASSE 1019 device shall not be subjected to more than twelve (12) hours of continuous water pressure.
- FOR IRRIGATION PURPOSES ONLY.**

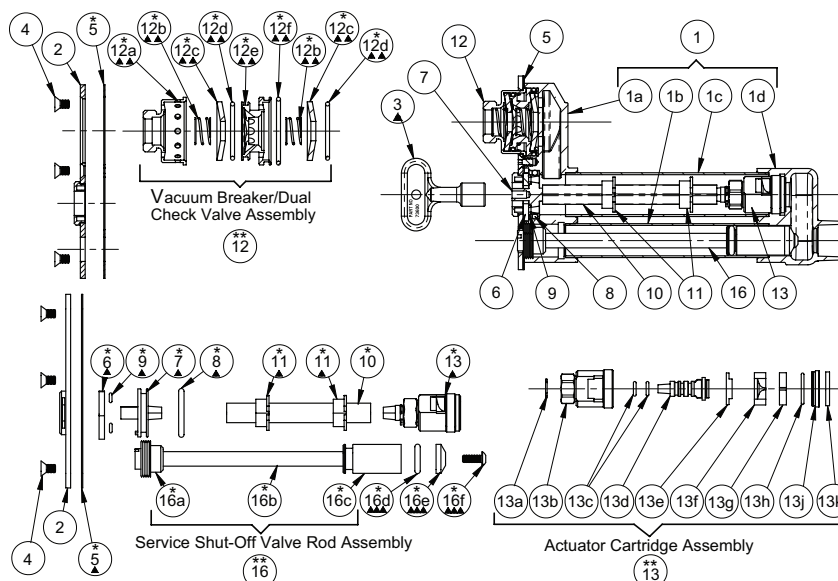
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

Meets ASME A112.213M Specifications
Complies w/ ASSE 1019-B,1052 and 1053.

IAPMO Listed- File #2749
PATENT NO. 8,973,599
PATEN NO. 10,017,921

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

REGULARLY FURNISHED: Bronze Quarter Turn Non-Freeze, Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker, Integral Service Shut-Off Valve, Dual Check Valve, "T" Handle Key.

**HYDRANTS PARTS LIST**

NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	12e	**Flow Diverter
1a	Head	12f	**Large O-Ring
1b	Casing	13	Actuator Cartridge
1c	Casing	13a	**Retaining Ring
1d	Valve Housing	13b	**Valve Body
2	Wall Plate Assembly	13c	**Actuator O-Ring (2)
3	Key	13d	**Valve Actuator
4	Wall Plate Securing Screw (5)	13e	**Nylon Thrust Washer
5	Wall Plate Gasket	13f	**Rotating Ceramic Disc
6	Stationary Operator Piece	13g	**Fixed Ceramic Disc
7	Moveable Operator Piece	13h	**O-Ring
8	Moveable Operator O-Ring	13j	**O-Ring Gasket Retainer
9	Drain Hole Seal (2)	13k	**Rubber Seal
10	Operator Rod	16	Service Valve Rod Assembly
11	Operator Rod Guides (2)	16a	**Service Valve Operator
12	Vacuum Breaker/Dual Check Valve Assembly	16b	**Service Valve Rod
12a	**Vacuum Breaker Housing	16c	**Service Valve Plunger
12b	**Spring (2)	16d	Service Valve O-Ring
12c	**Cone Washer (2)	16e	Service Valve Conical Washer
12d	**Small O-Ring	16f	Service Valve Washer Screw

▲ These Replacement Parts Available in HPRK-19

▲▲ These Replacement Parts Available in HPRK-19VB

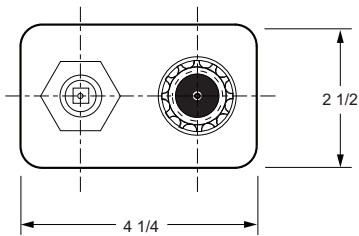
▲▲▲ These Replacement Parts Available in HPRK-15SV

*These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.

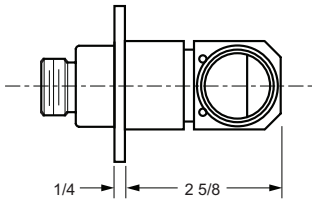
**Parts supplied as an assembly only, see part 12,13 or 16.

*REGULARLY FURNISHED

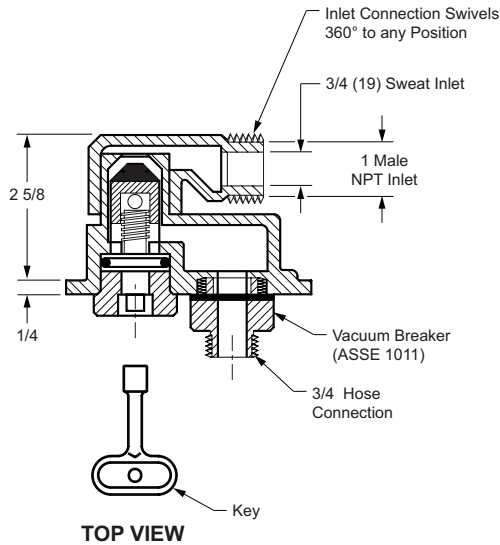
FIG. 5618 NARROW WALL WARM CLIMATE HYDRANT WITH INTEGRAL VACUUM BREAKER AND EXPOSED HOSE CONNECTION



FRONT VIEW



SIDE VIEW



TOP VIEW

- NOTES:**
- 1. Recommended wall opening 2 x 3 3/4".
 - 2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
 - 3. The AB1953, California Lead Law, and NSF/ANSI Standard 61- 2008- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 - 4. Lead Free Construction/Materials.
 - 5. **FOR IRRIGATION PURPOSES ONLY.**

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.

WALL THICKNESS	1" INLET
Narrow Wall	1,038.00

REGULARLY FURNISHED: All Bronze Warm Climate Hydrant with Chrome Plated Face, Hose Connection and Integral ASSE 1011 Vacuum Breaker, 360° Swivel Inlet Connection and "T" Handle Key.

HYDRANTS

FIG. 5619 GUARDIAN DUAL CHECK-1/4 TURN HYDRANT W/INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE AND EXPOSED HOSE CONNECTION

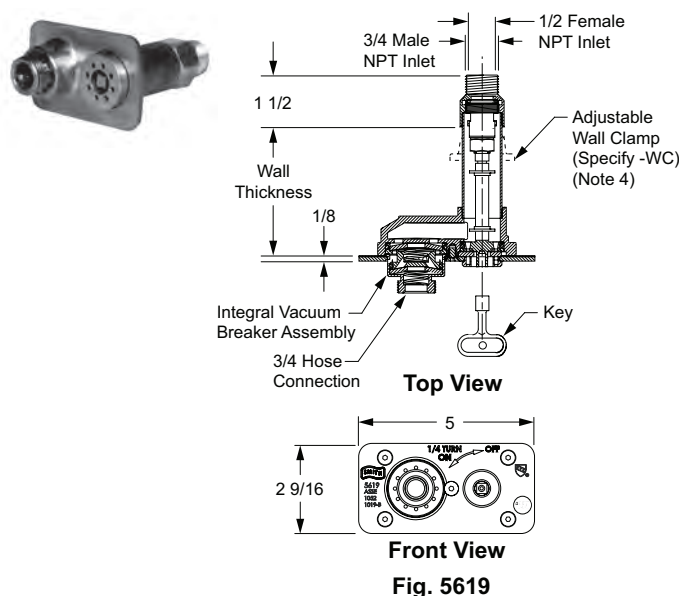


Fig. 5619

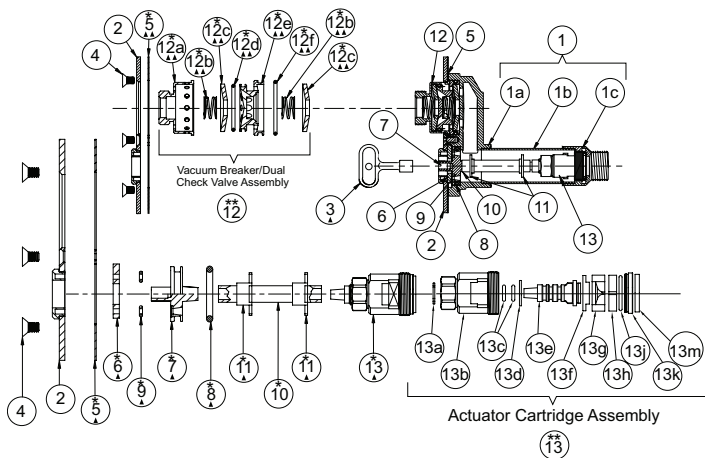
REGULARLY FURNISHED:

Bronze Quarter Turn Non-Freeze Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker and Dual Check Valve and "T" Handle Key.

WALL THICKNESS	3/4" INLET	APPROX. WEIGHT LBS.
-SAP●	1,169.00	7
04 - 07"	1,549.00	8
08 - 15"	1,775.00	9
16 - 23"	1,991.00	10
24 - 30"	2,211.00	12

Meets ANSI A112.21.3M Specifications
Complies w/ ASSE 1019-B, 1052 and 1053.
IAPMO Listed- File #2749
Patent No. US 6,752,167

Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening and closing of this hydrant. This is normal operation.



HYDRANT PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	10	Operator Rod
1a	Head	11	Operator Rod Guides (2)
1b	Casing	12	Vacuum Breaker/Dual Check Valve Assembly
1c	Valve Housing	12a	**Vacuum Breaker Housing
2	Wall Plate Assembly	12b	**Spring (2)
3	Key	12c	**Cone Washer (2)
4	Wall Plate Securing Screw (5)	12d	**Small O-Ring
5	Wall Plate Gasket	12e	**Flow Diverter
6	Stationary Operator Piece	12f	**Large O-Ring
7	Movable Operator Piece	13	Actuator Cartridge Assembly
8	Movable Operator O-Ring	13a	**Retaining Ring
9	Drain Hole Seal (2)	13b	**Valve Body
		13c	**Actuator O-Ring (2)
		13d	**Nylon Thrust Spacer
		13e	**Valve Actuator
		13f	**Nylon Thrust Washer
		13g	**Rotating Ceramic Disc
		13h	**Fixed Ceramic Disc
		13j	**O-Ring
		13k	**O-Ring Gasket Retainer
		13m	**Rubber Seal

▲ These Replacement Parts Available in HPRK-19

▲▲ These Replacement Parts Available in HPRK-19VB

* These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.

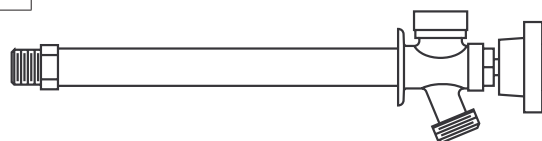
** Parts supplied as an assembly only, see part 12 or 13.

FIG. 5630 SERIES FREEZELESS SILLCOCK



Wall Thickness	*Inlet Connection	Series No.	†Chrome
4"	3/4" x 1/2"	5630-04	POA
6"	3/4" x 1/2"	5630-06	POA
8"	3/4" x 1/2"	5630-08	POA
10"	3/4" x 1/2"	5630-10	POA
12"	3/4" x 1/2"	5630-12	POA

*Male Threaded x Female Threaded Inlet

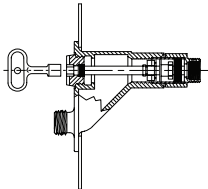
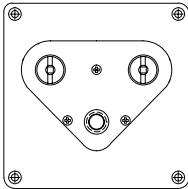


FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

†REGULARLY FURNISHED

COMMERCIAL EXPOSED WALL HYDRANTS & WALL HOSE VALVES

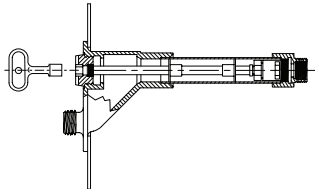
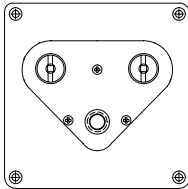
FIG. 5660QT-SAP, 5661QT-SAP EXPOSED 1/4 TURN WARM CLIMATE “TWIN TEMP” WALL HYDRANT



Inlet Connection	Series No.	*Polished Brass Face
1/2" Female & 3/4" Male	5660QT-SAP	POA
1" Male	5661QT-SAP	POA

ADD FOR:		
-H	Vacuum Breaker Self Draining Type	POA
-WH	Wheel Handle (Each) requires 2	POA

FIG. 5660QT, 5661QT EXPOSED 1/4 TURN WARM CLIMATE “TWIN TEMP” WALL HYDRANT



5660QT		
Wall Thickness	Inlet Connection	*Polished Brass Face
8"	1/2" Female & 3/4" Male	POA
10"	1/2" Female & 3/4" Male	POA
12"	1/2" Female & 3/4" Male	POA

5661QT		
Wall Thickness	Inlet Connection	*Polished Brass Face
8"	1" Male	POA
10"	1" Male	POA
12"	1" Male	POA

ADD FOR:		
-H	Vacuum Breaker Self Draining Type	POA
-WH	Wheel Handle (Each) requires 2	POA

FIG. 5670 HOSE VALVE BENT NOSE WITH FLANGE



FIG. NO.	NPT INLET	*Rough Brass	Polished Chrome Plated	Rough Chrome Plated
5670	3/4"	POA	POA	POA

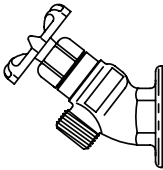


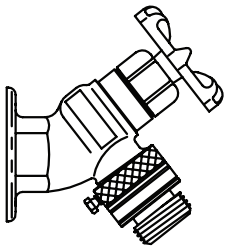
Fig. 5670
(Less Vacuum Breaker)

Female Threaded Inlet

FIG. 5670-H HOSE VALVE BENT NOSE WITH FLANGE W/ASSE 1011 VACUUM BREAKER

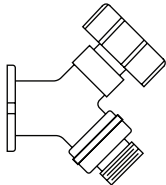


FIG. NO.	NPT INLET	*Rough Brass	Polished Chrome Plated	Rough Chrome Plated
5670-H	3/4"	POA	POA	POA



Female Threaded Inlet

Fig. 5670 -H
(With Vacuum Breaker)



Inlet Connection	Series No.	†Rough Brass
1/2"	5672	POA
3/4"	5673	POA

Inlet Connection	Series No.	†Rough Chrome
1/2"	5672 (-CR)	POA
3/4"	5673 (-CR)	POA

ADD FOR:		
-BFP	Dual Check Valve	POA

FIG. 5675 HOSE VALVES BENT NOSE

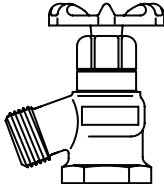


Fig. 5675
(Less Vacuum Breaker)

NPT INLET	†Rough Brass	Polished Chrome Plated	Rough Chrome Plated
3/4"	POA	POA	POA

Female Threaded Inlet

FIG. 5675-H HOSE VALVES BENT NOSE W/ASSE 1011 VACUUM BREAKER

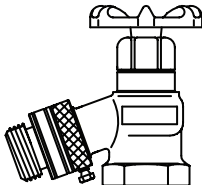
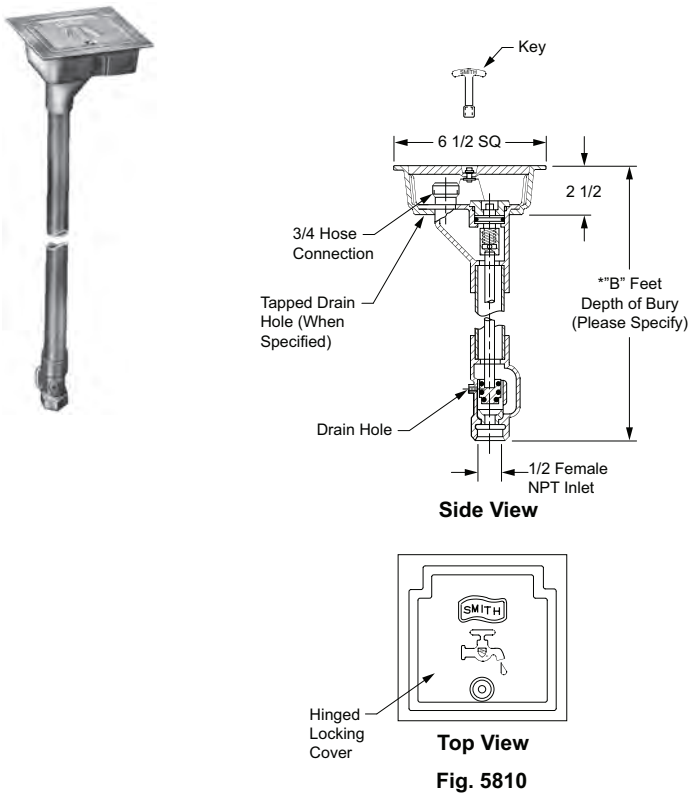


Fig. 5675-H

NPT INLET	†Rough Brass	Polished Chrome Plated	Rough Chrome Plated
3/4"	POA	POA	POA

Female Threaded Inlet



REGULARLY FURNISHED: Bronze Non-Freeze Ground Hydrant with "T" Handle Key and Bronze Hydrant Box. Inlet Size Furnished as Indicated by Figure Number Selected.

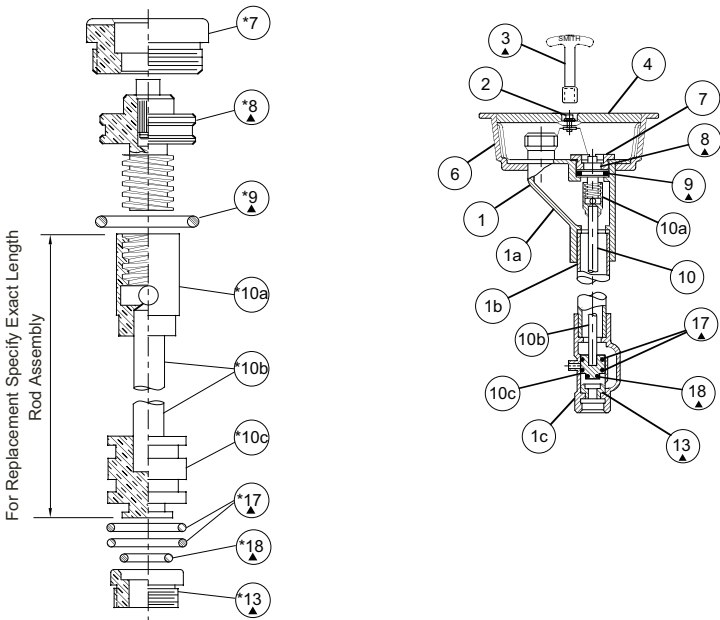
OPTIONS:		ADD
-CL	Cylinder Lock	292.00
-CP	Chrome Plated Box	474.00
-H	3/4" Vacuum Breaker (Not avail. w/HC1)	212.00
-HC1	1" Hose Conn Adaptor	331.00
-LD	Less Drain Hole	N/C
-N	1/8" NPT Drain Hole in Box	292.00
-NB	Nickel Bronze Box	432.00
-NV	1/8" NPT Drain Hole in Valve Housing	N/C
-PB	Polished Bronze Box	95.00
-W	"Water" Cast on Cover	N/C

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

- NOTES:**
1. Recommended Box-out 5 3/4 x 5 3/4".
 2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 3. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 4. Hose must be removed to allow proper draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hose is not removed.
 5. **FOR IRRIGATION PURPOSES ONLY.**
 6. Removal of drain hole eliminates the non-freeze feature and qualifies this hydrant as warm climate hydrant only.
 7. Vacuum breaker not available with 1" Hose Connection Adapter -HC1.

*B = 9 1/2" when specified 5810-SAP
*B = 9 1/2" when specified 5811-SAP

B FEET DEPTH OF BURY	5810 3/4" INLET	5811 1" INLET	APPROX. WEIGHT LBS.
-SAP	3,143.00	3,787.00	8
02'	3,143.00	3,787.00	17
03'	3,390.00	4,033.00	21
04'	3,636.00	4,277.00	25
05'	3,882.00	4,527.00	33
06'	4,129.00	4,772.00	39
07'	4,374.00	5,016.00	45
08'	4,619.00	5,268.00	52
09'	4,866.00	5,513.00	54
10'	5,115.00	5,757.00	56



REPLACEMENT PARTS - SPECIFY FIG. NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	8	Operating Screw
1a	Head	9	Operating Screw "O" Ring
1b	Casing	10	Operating Rod Assembly
1c	Valve Housing	10a	Coupling
2	Locking Device	10b	Rod
3	Key	10c	Plunger
4	Cover	13	Removable Seat
5	Hydrant Cover Hinge Pins (2)	17	Plunger "O" Ring
6	Box	18	Plunger "O" Ring
7	Face Nut		

▲These Replacement Parts Available in HPRK-41
*These parts are accessible from face of hydrant by removing face nut.

- MAINTENANCE INSTRUCTIONS**
1. Shut off water supply.
 2. Remove face nut.
 3. Pull stem out for complete access to all working parts.
 4. Check all working parts for replacement.
 5. Replace complete stem assembly and face nut.

HYDRANTS

FIG. 5810-F SER. BRONZE NON-FREEZE GROUND HYDRANT W/ROUGH BRONZE BOX, INTEGRAL FLASHING FLANGE AND CLAMP

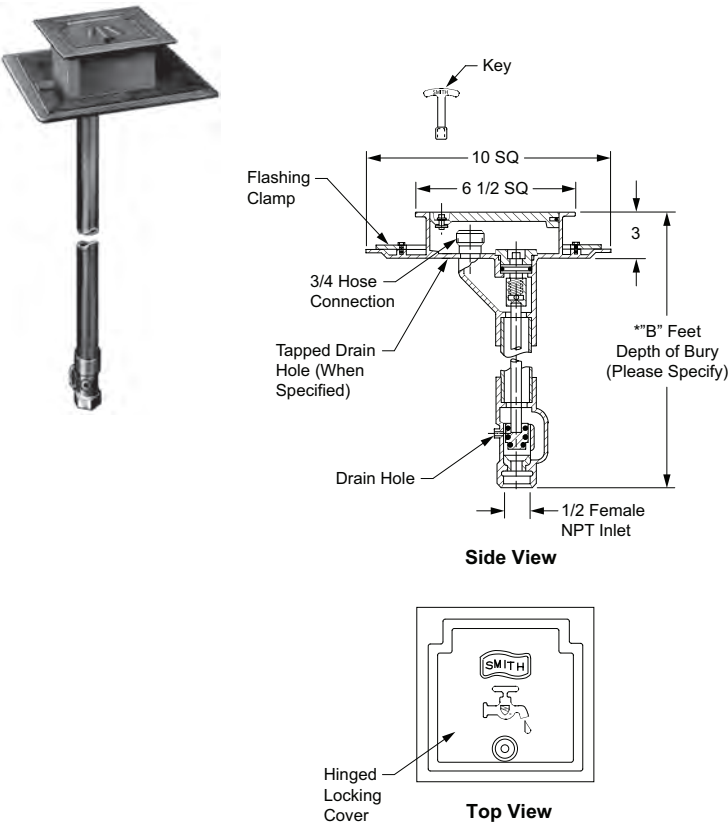


Fig. 5810F

REGULARLY FURNISHED: Bronze Non-Freeze Ground Hydrant with "T" Handle Key, Bronze Hydrant Box with Flashing Flange and Clamp. Inlet Size Furnished as Indicated by Figure Number Selected.

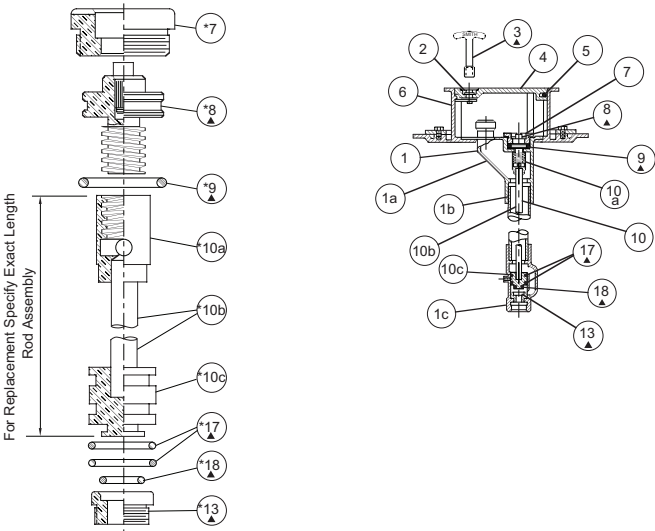
OPTIONS:		ADD
-CP	Chrome Plated Box	474.00
-H	3/4" Vacuum Breaker (Not avail. w/HC1)	212.00
-HC1	1" Hose Conn Adaptor	331.00
-LD	Less Drain Hole	N/C
-N	1/8" NPT Drain Hole in Box	292.00
-NB	Nickel Bronze Box	432.00
-NV	1/8" NPT Drain Hole in Valve Housing	N/C
-PB	Polished Bronze Box	95.00
-W	"Water" Cast on Cover	N/C
		DEDUCT
-LFC	Less Flashing Clamp Deduct	79.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

- NOTES:**
1. Recommended Box-out 10 1/2 x 10 1/2".
 2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 3. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 4. Hose must be removed to allow proper draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hose is not removed.
 5. Hydrant & box will require assembly. Gasket is provided for insertion between the hydrant & box.
 6. **FOR IRRIGATION PURPOSES ONLY.**
 7. Vacuum breaker not available with 1" Hose Connection Adapter -HC1.

*B = 9 1/2" when specified 5810F-SAP
*B = 9 1/2" when specified 5811F-SAP

B FEET DEPTH OF BURY	5810-F 3/4" INLET	5811-F 1" INLET	APPROX. WEIGHT LBS.
-SAP	4,563.00	5,210.00	13
02'	4,563.00	5,210.00	22
03'	4,804.00	5,454.00	26
04'	5,053.00	5,699.00	30
05'	5,302.00	5,940.00	38
06'	5,547.00	6,189.00	44
07'	5,793.00	6,435.00	50
08'	6,039.00	6,683.00	57
09'	6,287.00	6,929.00	64
10'	6,535.00	7,178.00	68



REPLACEMENT PARTS - SPECIFY FIG. NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	8	Operating Screw
1a	Head	9	Operating Screw "O" Ring
1b	Casing	10	Operating Rod Assembly
1c	Valve Housing	10a	Coupling
2	Locking Device	10b	Rod
3	Key	10c	Plunger
4	Cover	13	Removable Seat
5	Hydrant Cover Hinge Pins (2)	17	Plunger "O" Ring
6	Box	18	Plunger "O" Ring
7	Face Nut		

▲ These Replacement Parts Available in HPRK-41
*These parts are accessible from face of hydrant by removing face nut.

MAINTENANCE INSTRUCTIONS

1. Shut off water supply.
2. Remove face nut.
3. Pull stem out for complete access to all working parts.
4. Check all working parts for replacement.
5. Replace complete stem assembly and face nut.

HYDRANTS

FIG. 5812 SER. BRONZE NON-FREEZE GROUND HYDRANT W/CAST IRON BOX W/ 1 1/4", 1 1/2" OR 2" CONNECTIONS

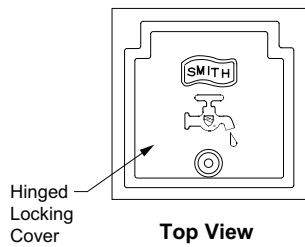
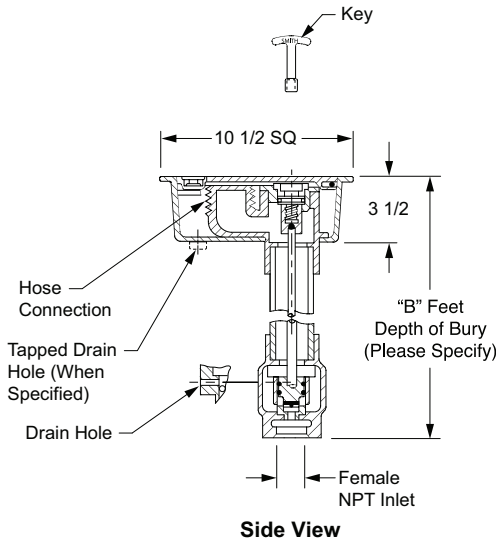


Fig. 5812

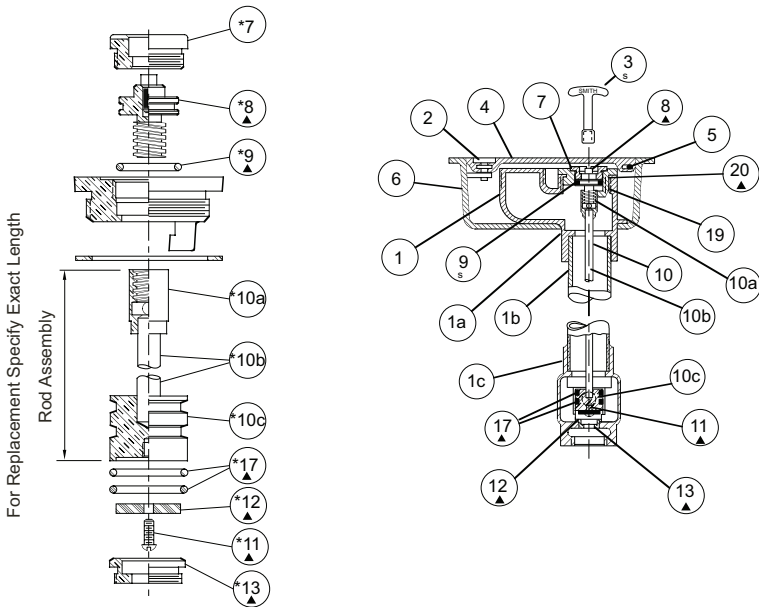
OPTIONS:		ADD
-N	1/8" NPT Drain Hole in Box	292.00
-NB	Nickel Bronze Box	906.00
-NV	1/8" NPT Drain Hole in Valve Housing	N/C
-PB	Polished Bronze Box	512.00
-RB	Rough Bronze Box	292.00
-W	"Water" Cast on Cover	N/C

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

- NOTES:**
1. Recommended Box-out 9 1/2 x 9 1/2".
 2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
 3. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 4. **FOR IRRIGATION PURPOSES ONLY.**

B FEET DEPTH OF BURY	5812 1 1/4" INLET	5813 1 1/2" INLET	5814 2" INLET	APPROX. WEIGHT LBS.
-SAP	13,360.00	14,666.00	17,120.00	23
02'	13,360.00	14,666.00	17,120.00	42
03'	13,804.00	15,222.00	17,846.00	47
04'	13,096.00	15,781.00	18,579.00	52
05'	14,696.00	16,337.00	19,314.00	57
06'	15,137.00	16,900.00	20,050.00	62
07'	15,588.00	17,458.00	20,777.00	67
08'	16,028.00	18,015.00	21,509.00	72

REGULARLY FURNISHED: Bronze Non-Freeze Ground Hydrant with "T" Handle Key, Cast Iron Hydrant Box Inlet and Hose Connection. Size Furnished as Indicated by Figure Number Selected.



REPLACEMENT PARTS - SPECIFY FIG. NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	9	Operating Screw "O" Ring
1a	Head	10	Operating Rod Assembly
1b	Casing	10a	Coupling
1c	Valve Housing	10b	Rod
2	Locking Device	10c	Plunger
3	Key	11	Washer Screw (No. 10-24)
4	Cover	12	Washer (Neoprene)
5	Hydrant Cover Hinge Pins (2)	13	Removable Seat
6	Box	17	Plunger "O" Ring
7	Face Nut	19	Face Nut Seat
8	Operating Screw	20	Face Nut Seat Gasket

▲ These Replacement Parts Available in HPRK-5
*These parts are accessible from face of hydrant by removing face nut.

MAINTENANCE INSTRUCTIONS

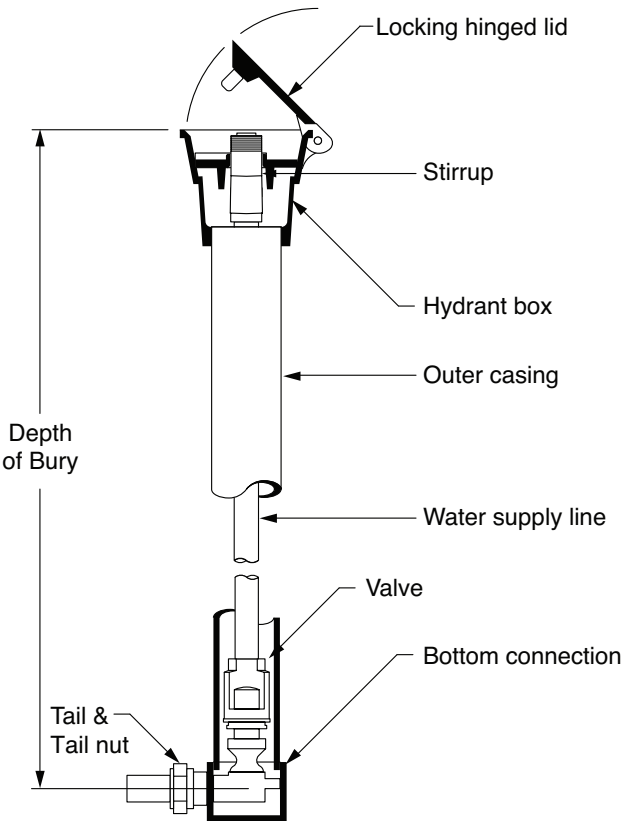
1. Shut off water supply.
2. Remove face nut.
3. Pull stem out for complete access to all working parts.
4. Check all working parts for replacement.
5. Replace complete stem assembly and face nut.

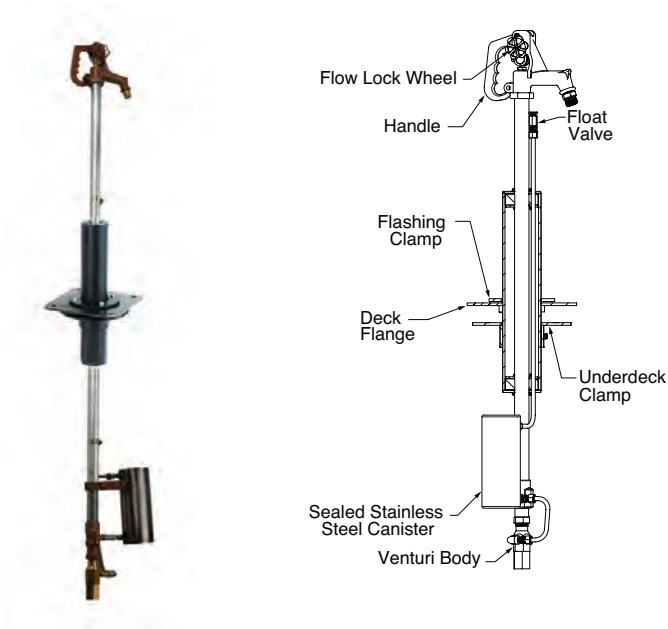
*REGULARLY FURNISHED



Depth of Bury	Inlet Connection	5830 †Cast Iron
2'	3/4" Male	POA
3'	3/4" Male	POA
4'	3/4" Male	POA
5'	3/4" Male	POA
6'	3/4" Male	POA

Depth of Bury	Inlet Connection	5831 †Cast Iron
2'	1" Male	POA
3'	1" Male	POA
4'	1" Male	POA
5'	1" Male	POA
6'	1" Male	POA





Depth of Bury	Inlet Connection	5903
2'	3/4" Female	POA
ADD FOR:		
-H	Vacuum Breaker	POA

FIG. 5904 NON-FREEZE POST/YARD HYDRANT



Depth of Bury	Inlet Connection	5904
12"	3/4" Female	POA
24"	3/4" Female	POA
36"	3/4" Female	POA
48"	3/4" Female	POA
60"	3/4" Female	POA
72"	3/4" Female	POA

ADD FOR:		
-H	Vacuum Breaker	POA

Depth of Bury	Inlet Connection	5906
2'	3/4" Female	POA

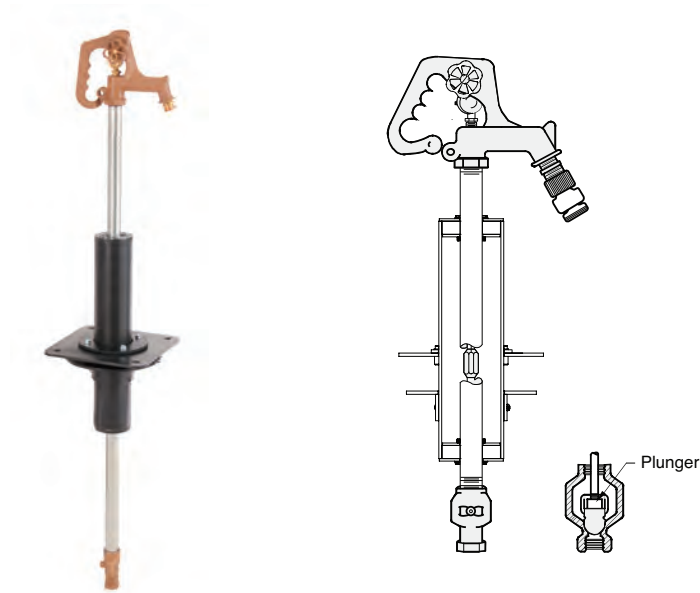
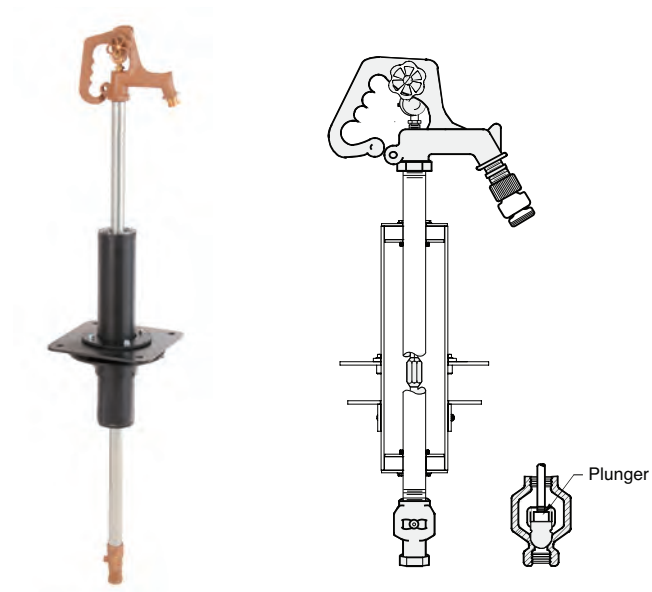


FIG. 5907 NON-FREEZE ROOF HYDRANT

Depth of Bury	Inlet Connection	w/Check Valve 5907
2'	3/4" Female	POA



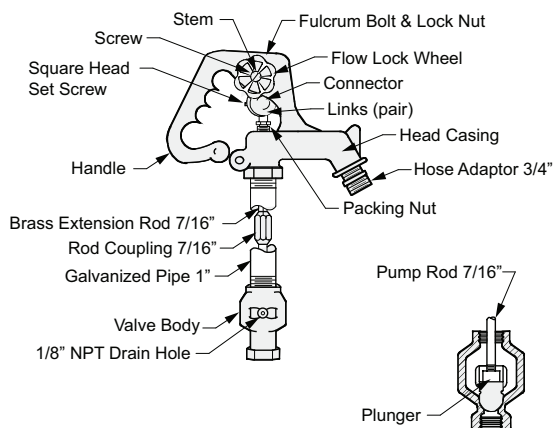
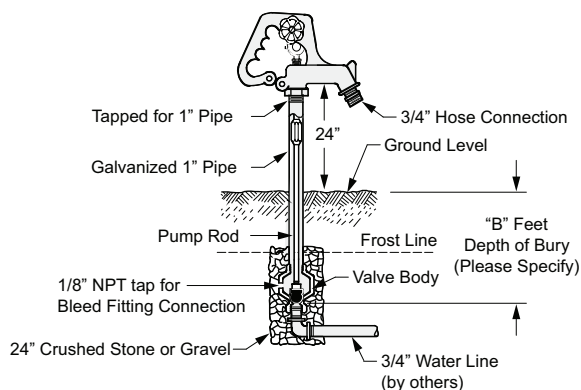


Fig. 5909

OPTIONS:		ADD
-H	Vacuum Breaker	212.00
-NV	1/8" NPT Drain Hole in Valve Housing	N/C

NOTES:

1. Hose must be removed to allow proper draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hose is not removed.
2. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
3. **FOR IRRIGATION PURPOSES ONLY.**
4. Vacuum breaker not available with 1" Hose Connection Adapter -HC1

B FEET DEPTH OF BURY	3/4" INLET	APPROX. WEIGHT LBS.
01'	1,715.00	10
02'	1,811.00	14
03'	1,906.00	18
04'	2,011.00	22
05'	2,103.00	26
06'	2,197.00	30

REGULARLY FURNISHED:

Non-Freeze Post Hydrant with Galvanized Casing and Adjustable Flow Wheel Lock Handle.

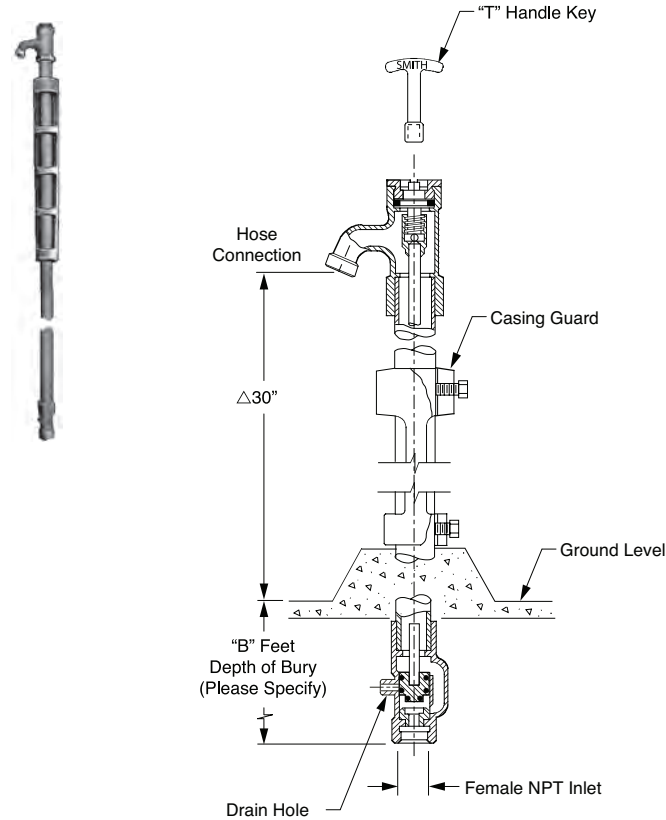


Fig. 5910

OPTIONS:		ADD
-AG	Aluminum Casing Guard	N/C
-H	3/4" Vacuum Breaker (5910 Only)	212.00
-NV	1/8" NPT Drain Hole in Valve Housing	N/C
-WH	Secured Wheel Handle	449.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

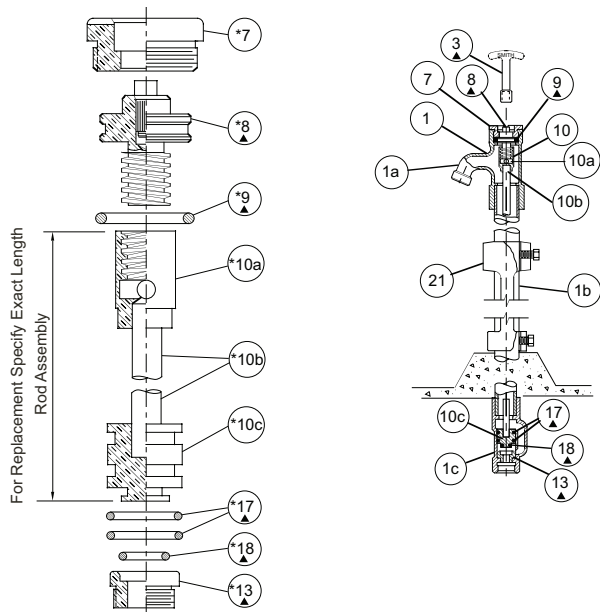
△ Regularly furnished (unless otherwise specified)

NOTES:

- 1. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
- 2. Hose must be removed to allow proper draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hose is not removed.
- 3. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/ dispense water for human consumption through drinking or cooking.
- 4. **FOR IRRIGATION PURPOSES ONLY.**

B FEET DEPTH OF BURY	5910 3/4" INLET	5911 1" INLET	APPROX. WEIGHT LBS.
02'	3,345.00	4,297.00	25
03'	3,617.00	4,575.00	29
04'	3,893.00	4,850.00	33
05'	4,176.00	5,127.00	37
06'	4,462.00	5,415.00	41
07'	4,770.00	5,716.00	45
08'	4,798.00	6,016.00	49

REGULARLY FURNISHED: Bronze Non-Freeze Post Hydrant with Cast Iron Casing Guard, and "T" Handle Key. Inlet and Hose Connection Size Furnished as Indicated by Figure Number Selected.



REPLACEMENT PARTS LIST-SPECIFY FIGURE NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	10	Operating Rod Assembly
1a	Head	10a	Coupling
1b	Casing	10b	Rod
1c	Valve Housing	10c	Plunger
3	Key	13	Removable Seat
7	Face Nut	17	Plunger "O" Ring
8	Operating Screw	18	Plunger "O" Ring
9	Operating Screw "O" Ring	21	Casing Guard

▲ These replacmant parts available in HPRK-41

*These parts are accessible from face of hydrant by removing face nut

MAINTENANCE INSTRUCTIONS

- 1. Shut off water supply.
- 2. Remove face nut.
- 3. Pull stem out for complete access to all working parts
- 4. Check all working parts for replacement.
- 5. Replace complete stem assembly and face nut.

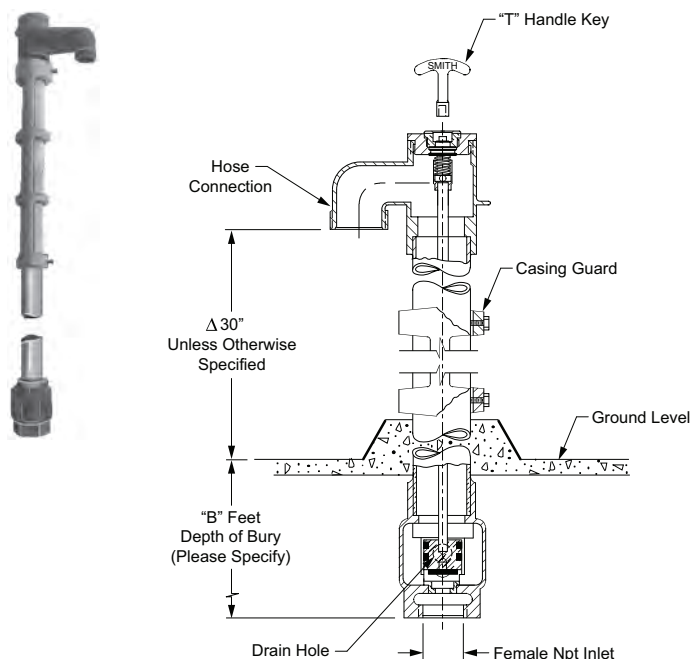


Fig. 5912

OPTIONS:		ADD
-AG	Aluminum Casing Guard	N/C
-NV	1/8" Drain Hole in Valve Housing	N/C
-WH	Secured Wheel Handle	449.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

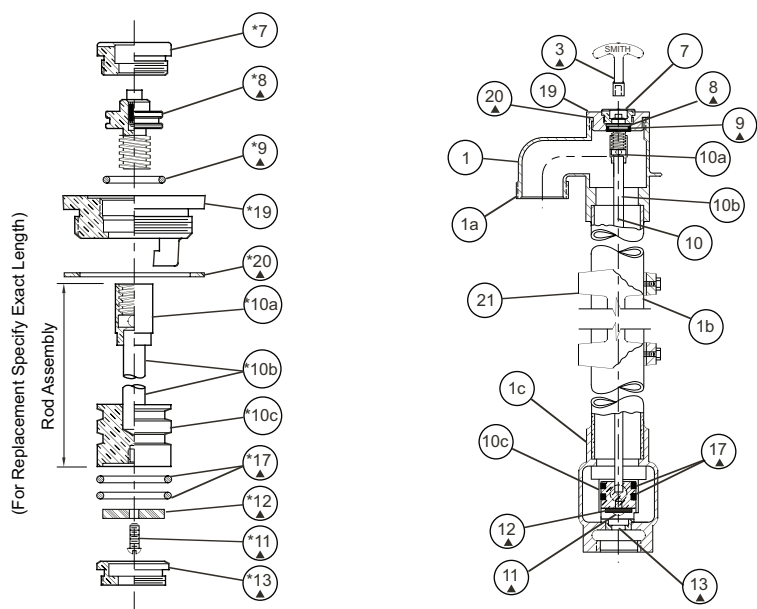
NOTES:

1. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
2. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
3. **FOR IRRIGATION PURPOSES ONLY.**

△ Regularly furnished (unless otherwise specified)

B FEET DEPTH OF BURY	5912 1 1/4" INLET	5913 1 1/2" INLET	5914 2" INLET	APPROX. WEIGHT LBS.
-SAP	7,558.00	10,539.00	13,097.00	30
02'	7,558.00	10,539.00	13,097.00	57
03'	8,336.00	11,171.00	13,747.00	62
04'	9,114.00	11,809.00	14,390.00	67
05'	9,899.00	12,444.00	15,037.00	74
06'	10,674.00	13,077.00	15,686.00	77
07'	11,459.00	13,708.00	16,334.00	82
08'	12,235.00	14,345.00	16,980.00	87

REGULARLY FURNISHED: Bronze Non-freeze Post Hydrant with Cast Iron Casing Guard, and "T" Handle Key. Inlet and Hose Connection Size Furnished as Indicated by Figure Number Selected.



REPLACEMENT PARTS LIST - SPECIFY FIGURE NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	10b	Rod
1a	Head	10c	Plunger
1b	Casing	11	Washer Screw (No. 10-24
1c	Valve Housing	12	Washer (Neoprene)
3	Key	13	Removable Seat
7	Face Nut	17	Plunger "O" Ring
8	Operating Screw	19	Face Nut Seat
9	Operating Screw "O" Ring	20	Face Nut Seat Gasket
10	Operating Rod Assembly	21	Casing Guard
10a	Coupling		

▲ These Replacement Parts Available in HPRK -5

MAINTENANCE INSTRUCTIONS

1. Shut off water supply.
2. Remove face nut.
3. Pull stem out for complete access to all working parts.
4. Check all working parts for replacement.
5. Replace complete stem assembly and face nut.

*REGULARLY FURNISHED

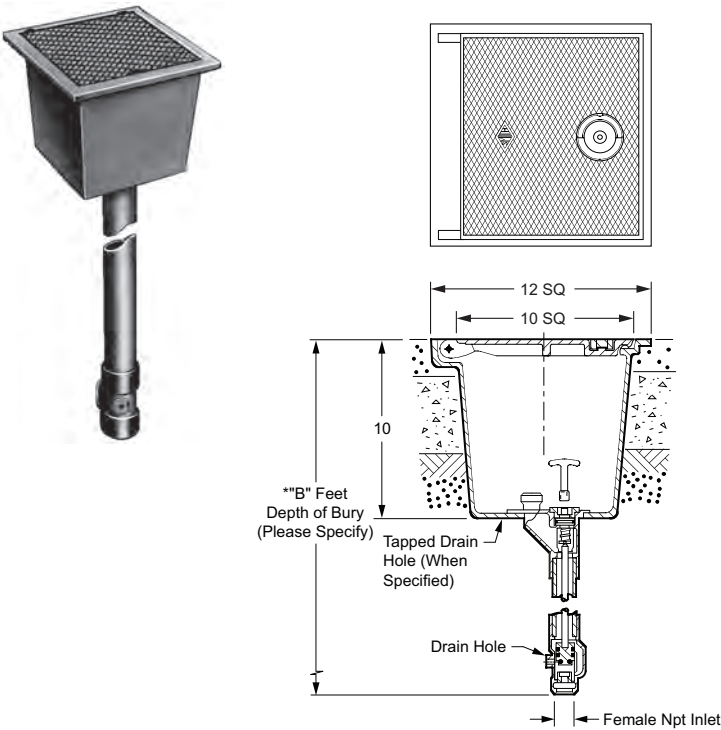


Fig. 5950

OPTIONS:		ADD
-H	3/4" Vacuum Breaker (Not avail. w/HC1)	212.00
-HC1	1" Hose Connection Adaptor	331.00
-N	1/8" NPT Drain Hole in Box	292.00
-NB	Nickel Bronze Top	4,688.00
-NV	1/8" NPT Drain Hole in Valve Housing	N/C
-PB	Polished Bronze Top	3,919.00
-RB	Rough Bronze Top	3,131.00
-W	"Water" Cast on Cover	237.00

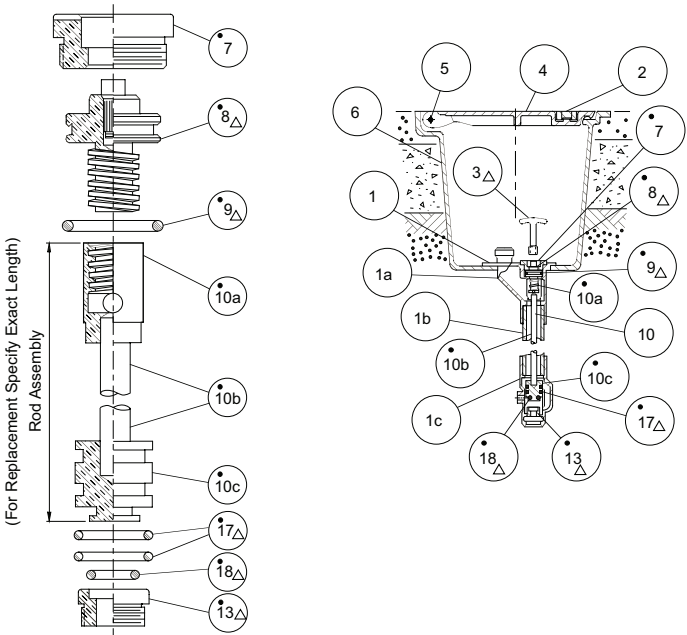
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

1. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
2. Hose must be removed to allow proper draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hose is not removed.
3. When installed in parking decks, garages or similar applications subjected to vehicle traffic, hydrant shall be located in a non-traffic location.
4. The AB100, AB1953, California Lead Law, and NSF/ANSI Standard 61- Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
5. Vacuum breaker not available with 1" Hose Connection Adaptor -HC1.
6. **FOR IRRIGATION PURPOSES ONLY.**

B FEET DEPTH OF BURY	5950 3/4" INLET	5951 1" INLET	APPROX. WEIGHT LBS.
-SAP	5,935.00	7,242.00	81
02'	5,935.00	7,242.00	81
03'	6,183.00	7,483.00	85
04'	6,428.00	7,732.00	93
05'	6,673.00	7,979.00	97
06'	6,923.00	8,224.00	101
07'	7,169.00	8,478.00	105
08'	7,415.00	8,723.00	109

REGULARLY FURNISHED: Bronze Hydrant with Bronze Casing. "T" Handle Key and Cast Iron Box with Ductile Iron Cover with Lifting Device.



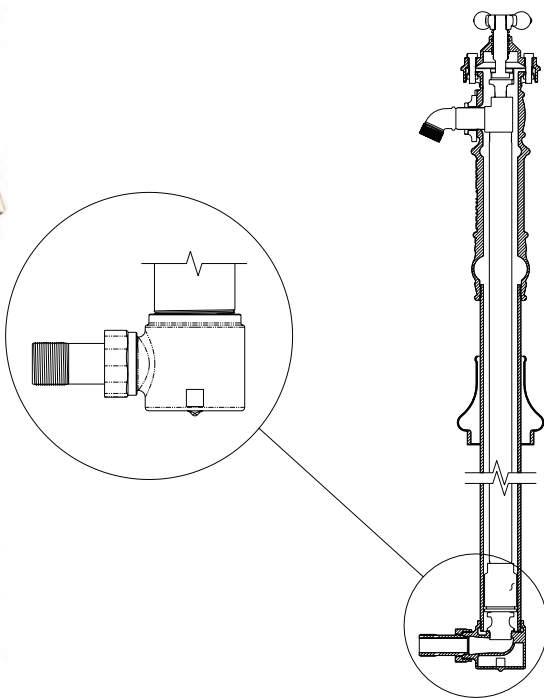
REPLACEMENT PARTS LIST-SPECIFY FIGURE NO. WHEN ORDERING			
No.	DESCRIPTION	No.	DESCRIPTION
1	Head/Casing Assembly	8	Operating Screw
1a	Head	9	Operating Screw "O" Ring
1b	Casing	10	Operating Rod Assembly
1c	Valve Housing	10a	Coupling
2	Lifting Device	10b	Rod
3	Key	10c	Plunger
4	Cover	13	Removable Seat
5	Hydrant Cover Hinge Pins(2)	17	Plunger "O" Ring
6	Box	18	Plunger "O" Ring
7	Face Nut		

△These replacement parts available in HPRK-41.

* These parts are accessible from face of hydrant by removing face nut.

MAINTENANCE INSTRUCTIONS

1. Shut off water supply.
2. Remove face nut.
3. Pull stem out for complete access to all working parts.
4. Check all working parts for replacement.
5. Replace complete stem assembly and face nut.



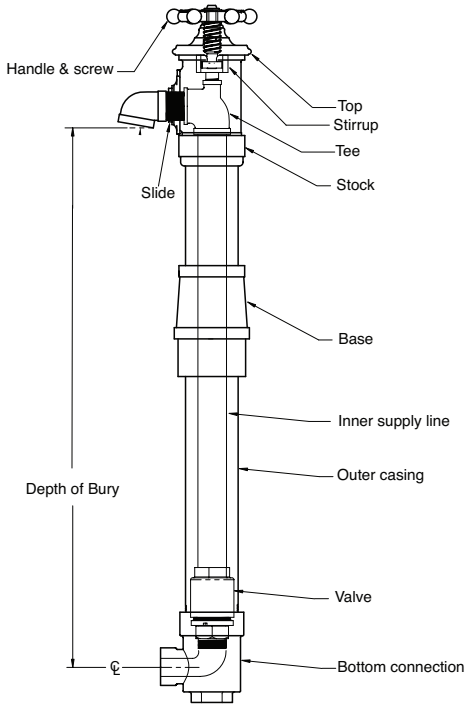
Depth of Bury	Inlet Connection	5960
2'	3/4"	POA
3'	3/4"	POA
4'	3/4"	POA
5'	3/4"	POA
6'	3/4"	POA

ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA

Depth of Bury	Inlet Connection	5961
2'	1"	POA
3'	1"	POA
4'	1"	POA
5'	1"	POA
6'	1"	POA

ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA

FIG. 5963 NON-FREEZE COMPRESSION TYPE POST HYDRANT



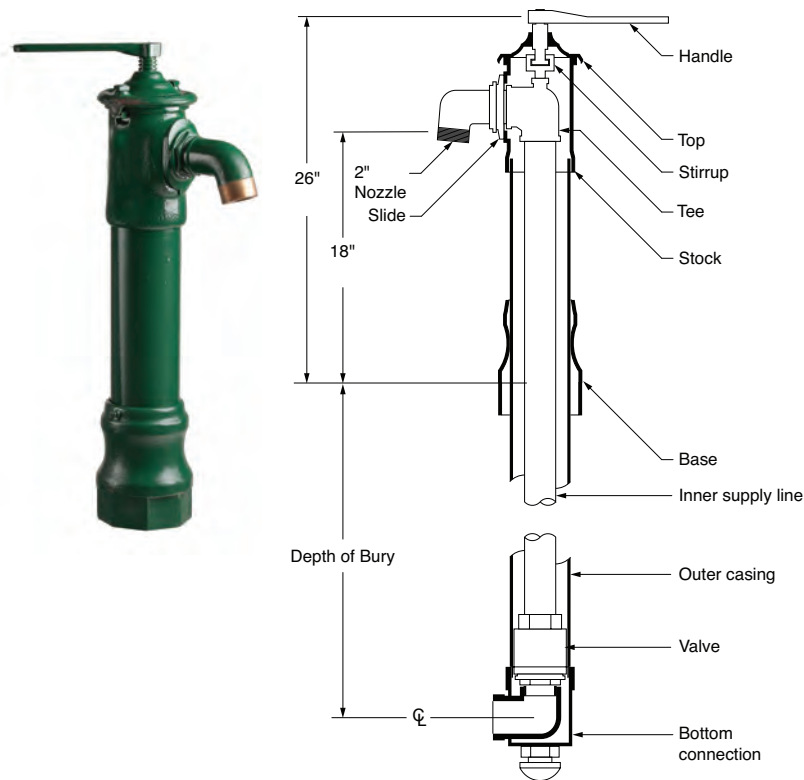
Depth of Bury	Inlet Connection	5963
2'	1 1/2"	POA
3'	1 1/2"	POA
4'	1 1/2"	POA
5'	1 1/2"	POA
6'	1 1/2"	POA

ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA

Depth of Bury	Inlet Connection	5963
2'	2"	POA
3'	2"	POA
4'	2"	POA
5'	2"	POA
6'	2"	POA

ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA

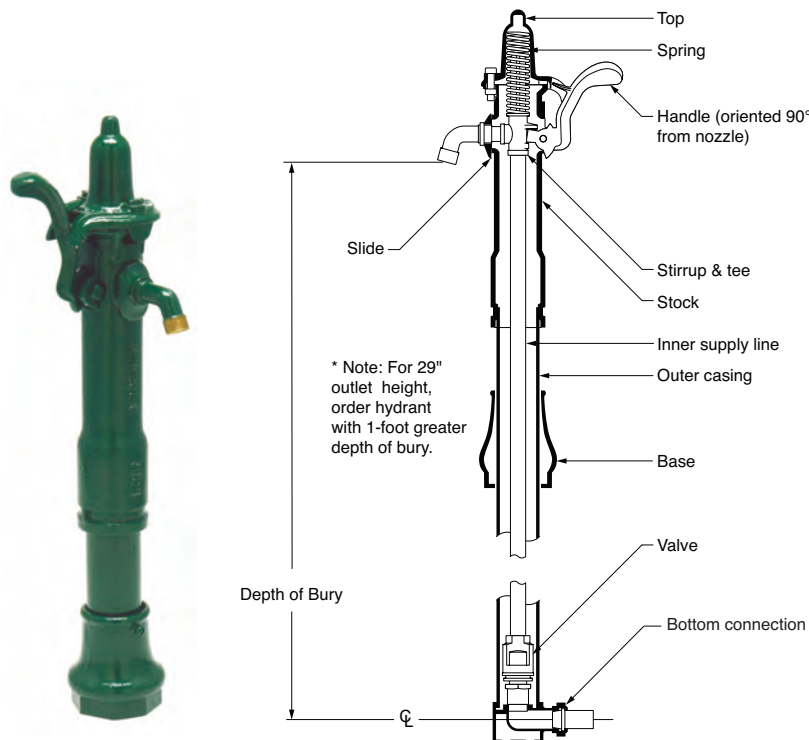
FIG. 5964 NON-FREEZE COMPRESSION TYPE SELF-CLOSING HYDRANT WITH OPERATING LEVER



Depth of Bury	Inlet Connection	5964
2'	2"	POA
3'	2"	POA
4'	2"	POA
5'	2"	POA
6'	2"	POA

ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA
-WH	Wheel Handle	POA

FIG. 5965, 5966 NON-FREEZE COMPRESSION TYPE SELF-CLOSING HYDRANT WITH OPERATING LEVER



Depth of Bury	Inlet Connection	5965
2'	3/4"	POA
3'	3/4"	POA
4'	3/4"	POA
5'	3/4"	POA
6'	3/4"	POA

ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA

Depth of Bury	Inlet Connection	5966
2'	1"	POA
3'	1"	POA
4'	1"	POA
5'	1"	POA
6'	1"	POA

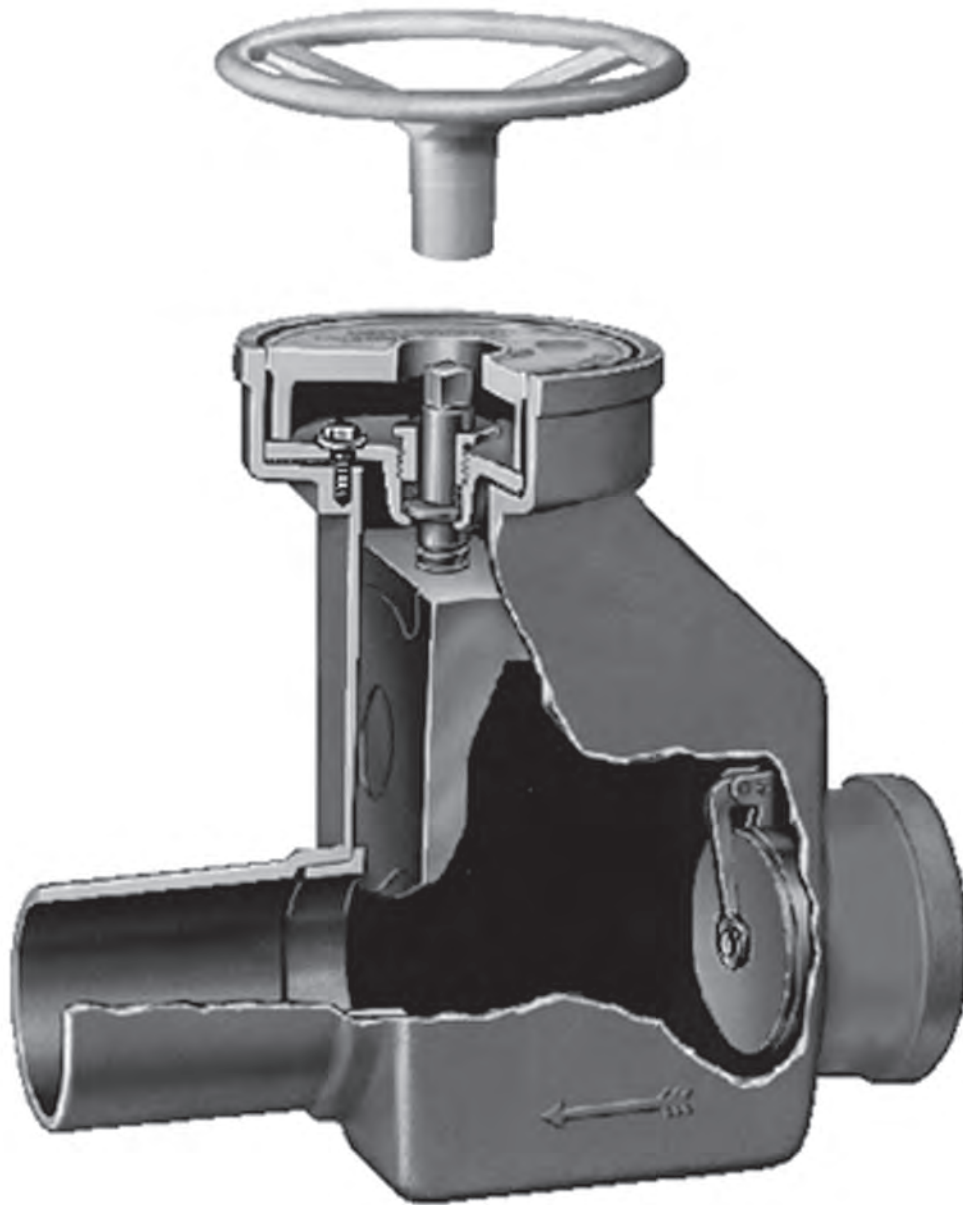
ADD FOR:		
-BFH	Double Ball Check Valve Drain	POA

FOR PRICING, SEE NET PARTS PRICE GUIDE

FIG. NO.	AFTER 8/84	1/79-8/84	BEFORE 1/79
5509	HPRK-2	HPRK-2	HPRK-21
5509QT	HPRK-7	None	None
5510	HPRK-11	HPRK-11	HPRK-12
5511	HPRK-11	HPRK-11	HPRK-12
5515	HPRK-15	None	None
5517	HPRK-19	None	None
5518	HPRK-18	None	None
5519	HPRK-19	None	None
5525	HPRK-6	None	None
5526	HPRK-6	None	None
5560	HPRK-11	HPRK-11	HPRK-12
*5560QT	HPRK-7	None	None
*5561QT	HPRK-7	None	None
5607	HPRK-3	None	None
5608	HPRK-3	None	None
5609	HPRK-2	HPRK-21	None
5609QT	HPRK-7	None	None
5610	HPRK-11	HPRK-11	HPRK-12
5611	HPRK-11	HPRK-11	HPRK-12
5615	HPRK-15	None	None
5618	HPRK-18	None	None
5619	HPRK-19	None	None
5625	HPRK-6	None	None
5626	HPRK-6	None	None
*5660QT	HPRK-7	None	None
*5661QT	HPRK-7	None	None
5709	HPRK-3	None	None
FIG. NO.	AFTER 8/84	1/79-8/84	BEFORE 1/79
5730	HPRK-3	None	None
5731	HPRK-3	None	None
5760	HPRK-3	None	None
5761	HPRK-3	None	None
5810	HPRK-41	HPRK-41	HPRK-42
5810F	HPRK-41	HPRK-41	HPRK-42
5811	HPRK-41	HPRK-41	HPRK-42
5811F	HPRK-41	HPRK-41	HPRK-42
5812	HPRK-5	HPRK-5	HPRK-51
5813	HPRK-5	HPRK-5	HPRK-51
5814	HPRK-5	HPRK-5	HPRK-51
5903	HPRK-9	None	None
5904	HPRK-9	None	None
5906	HPRK-9	None	None
5907	HPRK-9	None	None
5909	HPRK-9	None	HPRK-51
5910	HPRK-41	HPRK-41	HPRK-42
5911	HPRK-41	HPRK-41	HPRK-42
5912	HPRK-5	HPRK-5	HPRK-51
5913	HPRK-5	HPRK-5	HPRK-51
5914	HPRK-5	HPRK-5	HPRK-51
5950	HPRK-41	HPRK-41	HPRK-42
5951	HPRK-41	HPRK-41	HPRK-42

*Requires two HPRK-7's.

BACKWATER VALVES



ORDERING GUIDELINES

7000 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

7150S04 (-G)

Figure No. _____
Type of Outlet (Spigot) _____
Pipe Size (Inches) _____
Galvanized Cast Iron _____

BACKWATER VALVES TECHNICAL DATA

PROTECTION AGAINST BACKWATER SURGES

• EXCESSIVE RAINFALL

• TIDEWATER CONDITIONS

• INADEQUATE CAPACITY

NOTE: These conditions can cause damaging backflow flooding into basements and low areas, as well as damaging merchandise and equipment backflow can even undermine the building construction. Another important threat is the health hazard created by contaminated waste water. Avoid the inconveniences — install SMITH Backwater Valves which offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

Extension To Finished Floor Level - Where it is necessary to extend the valve access cover to finished floor level, the Smith 7022 should be specified. The extension is made by using soil pipe cut to the desired length.

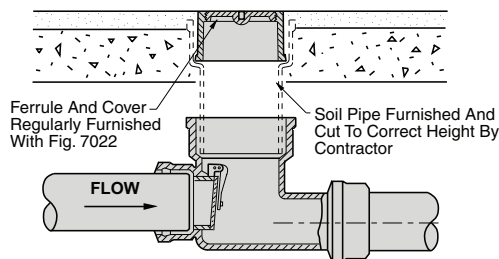


Fig. 7022

Installation At Sewer Line Terminals - The Fig. 7070 terminal valve provides backwater protection at the terminal where storm or sanitary sewers discharge into catch basins, manholes or drainage lagoons.

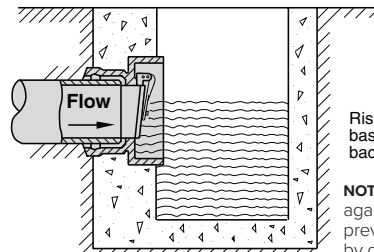


Fig. 7070

NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

IN-LINE MANUAL SHUT-OFF GATE VALVE

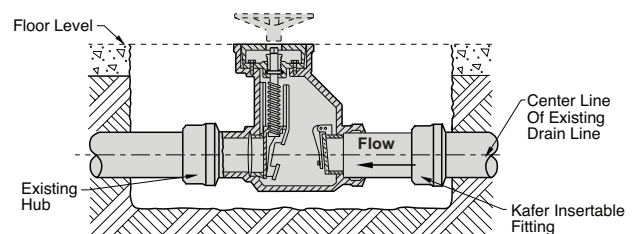
Fig. 7150 Series

Fig. 7150 In-line Manual Shut-Off Backwater Valve may be installed in new or existing sewer lines. Smith Engineers, realizing that most installations are made in existing lines where line pitch is already established, have designed an "In-Line" type manual shut-off valve. There is no drop in elevation from inlet to outlet, permitting the valve to be inserted in an existing line without significantly disturbing the pitch. The "In-Line" feature is particularly useful where existing sewer line pitch is at a minimum.

NOTE: During periods when manual shut-off valve is closed, use of building plumbing fixtures and drains must be avoided.

NOTE: For additional backwater valve technical or application data go to our web site at www.jrsmith.com or contact your local Jay R. Smith Representative.

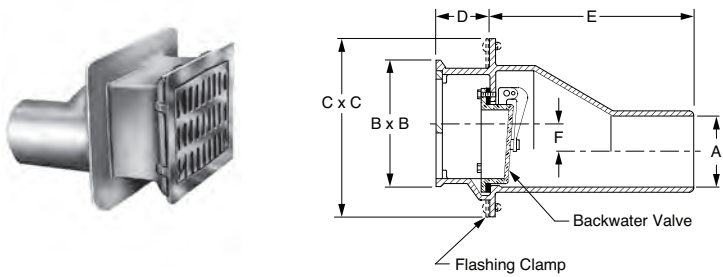
Cut made long enough to expose hub on outlet side, and with enough space on inlet side for insertable fitting.



INSTALLATION IN EXISTING SEWER LINE

BACKWATER VALVES

FIG. 7000 PIT STYLE BACKWATER VALVE



OPTIONS:		ADD		
		03, 04"	05, 06"	08"
-C	Flashing Clamp	411.00	411.00	736.00
-G	Galvanized CI	1,026.00	1,026.00	1,663.00
-U	Vandal Proof Screws	228.00	228.00	228.00
Stainless Steel		Specify Fig. 9790		

A Outlet Size	B X B FACE SIZE	C X C	D	E	F	FREE AREA SQ. IN.	*DUCO CI	DUCO CI PB FACE	DUCO CI NB FACE	APPROX. WEIGHT LBS.	ADD FOR CP FACE
*03"	6 3/4" x 9 1/2"	10 1/4" x 12"	3"	11 1/4"	2 3/4"	16	2,859.00	3,761.00	4,205.00	43	1,766.00
*04"	6 3/4" x 9 1/2"	10 1/4" x 12"	3"	11 1/4"	2 1/4"	16	2,859.00	3,761.00	4,205.00	43	1,766.00
05, 06"	7 3/4" x 11"	9 3/4" x 13"	4"	13 1/4"	1 1/4"	24 1/2	4,293.00	5,195.00	5,640.00	70	2,310.00
08"	12 1/2" x 14 1/2"	17 1/4" x 19"	4"	22"	4 3/4"	56	8,352.00	10,978.00	11,255.00	150	4,029.00

REGULARLY FURNISHED: Duco Cast Iron Body with Backwater Valve and Cast Iron Secured Grate.

NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

NOTE: BWV flapper set at factory to hang in closed position. Pin can be moved to permit flapper to hang open 1/4" to permit air circulation.

NOTE: 3 & 4" size furnished with Delrin Backed Neoprene flapper. All other sizes furnished with bronze flapper.

* Sized for NO-HUB and/or Service Weight.

Conforms to ASME A112.14.1

FIG. 7012 SER. SEWER VALVE W/BOLTED COVER (7012) OR THREADED COVER (7022)

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

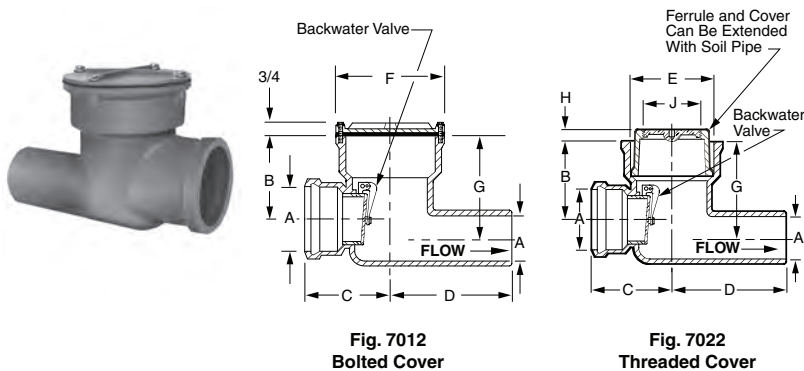
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Y	No-Hub Inlet and Outlet	
	Y02, Y03, Y04, Y05, Y06, Y08	N/C
Spigot	S02, S03, S04, S05, S06, S08	N/C

OPTIONS:		ADD
-G	Galvanized Cast Iron	
	02, 03, 04"	818.00
	05, 06"	1,373.00
	08"	2,453.00
Stainless Steel (Fig. 7012 Only)		Specify Fig. 9795

NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

NOTE: 2-4" size furnished with Delrin Backed Neoprene flapper. All other sizes furnished with bronze flapper.

Conforms to ASME A112.14.1



**Fig. 7012
Bolted Cover**

**Fig. 7022
Threaded Cover**

A* OUTLET SIZE	B	C	D	E SIZE	F DIA.	G	H	J SIZE	7012 DUCO CI BRZ. VALVE	7022 DUCO CI BRZ. VALVE	APPROX. WEIGHT LBS.
02"	4 1/2"	5"	7"	4"	6 1/2"	6"	1 1/4"	3 1/2"	2,024.00	2,024.00	22
03"	6 1/4"	5 3/4"	9"	5"	7 1/2"	7 1/2"	1 1/2"	4"	3,175.00	3,175.00	29
04"	6 1/2"	6 1/2"	9 1/2"	6"	8 1/2"	8"	1"	5"	3,907.00	3,907.00	41
05"	7"	7 3/4"	10 1/2"	8"	10 3/4"	8 3/4"	1"	6"	4,697.00	4,697.00	54
06"	8"	7 3/4"	11 1/2"	8"	10 3/4"	9 3/4"	1"	6"	5,609.00	5,609.00	75
08"	9 1/2"	9 1/2"	12 1/2"	10"	13"	11 3/4"	1"	6"	7,884.00	7,884.00	100

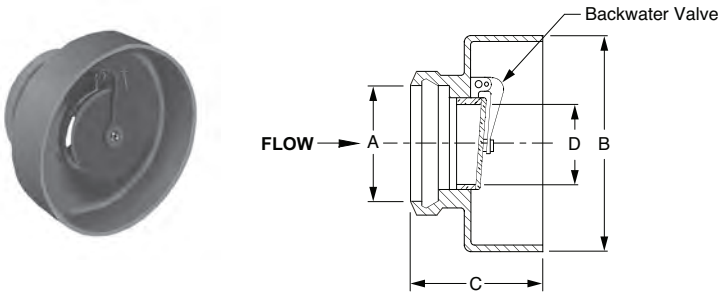
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Backwater Valve. Cover as Indicated by Figure Number Selected.

*Sized for Service Weight and/or No-Hub.

*REGULARLY FURNISHED

BACKWATER VALVES

FIG. 7070 TERMINAL VALVE



Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
C	Inside Caulk	N/C
Y	No-Hub Outlet	N/C

A OUTLET SIZE	B DIA.	C	D	†DUCO CI BRZ. VALVE	GALV CI BRZ. VALVE	APPROX. WEIGHT LBS.
02"	6 1/4"	5 1/4"	1 3/4"	842.00	1,319.00	10
03"	8"	5 1/2"	2 3/4"	842.00	1,319.00	12
04"	9"	5 3/4"	3 3/4"	1,234.00	1,712.00	15
05"	11 1/2"	6"	4 1/2"	2,936.00	3,609.00	20
06"	11 1/2"	6"	5 3/4"	3,517.00	4,190.00	28
08"	13 1/2"	6 3/4"	8"	4,277.00	5,674.00	42
10"	15 3/4"	7 3/4"	10"	12,868.00	14,265.00	58

REGULARLY FURNISHED: Duco Cast Iron Body with Backwater Valve.

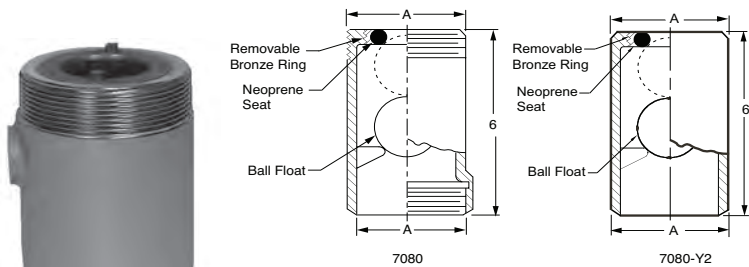
NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

NOTE: B.W.V. flapper set at factory to hang in closed position. Pin can be moved to permit flapper to hang open 1/4" to permit air circulation.

NOTE: 2-4" sizes furnished with Delrin Backed Neoprene flapper. All other sizes furnished with bronze flapper.

Conforms to ASME A112.14.1

FIG. 7080 SER. DRAIN OUTLET VALVE W/SPIGOT OUTLET (7080) OR THREADED OUTLET (7082)



Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Y	No-Hub Outlet (7080)	N/C

Inlet/Outlet Type		ADD
Y-2	No-Hub x No-Hub (7080Y-2) (Example: 7080Y04-2)	N/C

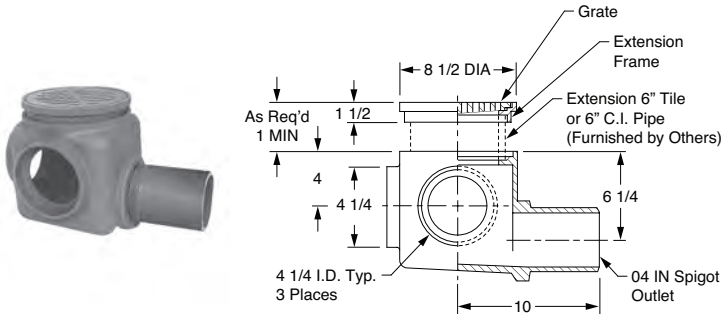
OPTIONS:		ADD
-BB	All Bronze	POA

A OUTLET SIZE	†DUCO CI	GALV CI	APPROX. WEIGHT LBS.
02"	903.00	1,069.00	3
03, 04"	903.00	1,069.00	6
05, 06"	1,869.00	2,287.00	23

REGULARLY FURNISHED: Duco Cast Iron Body with Ball Float Backwater Valve.

NOTE: These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

FIG. 7097 DRAIN TILE SUMP WITH 4" TILE INLET & SPIGOT OUTLET



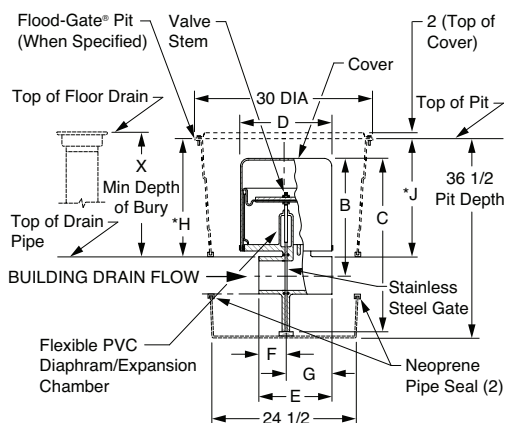
A OUTLET SIZE	FREE AREA SQ. IN.	†DUCO CI	APPROX. WEIGHT LBS.
04"	14.25"	1,525.00	55

OPTIONS:		ADD
-G	Galvanized CI	1,095.00
-NB	Nickel Bronze Top	1,518.00
-PB	Polished Bronze Top	1,178.00
-SC	Solid CI Cover	384.00

REGULARLY FURNISHED: Duco Cast Iron Body and Extension Frame with Cast Iron Slotted Grate.

Sized for Service Weight and/or No-Hub.

†REGULARLY FURNISHED

**OPTIONS:**

FGA	Complete Alarm System
FGP	Poly Pit, Secured, Gasketed Poly Lid & Hardware
FGS	Poly Pit, Secured, Gasketed Steel Cover & Hardware
FGSL	Steel Pit Lid Only

U.S. Patent No. 5,538,032

Other U.S. and foreign patents pending

Conforms to ASME A112.14.1 & CSA B70-12

IAPMO Listed, File No. 2696

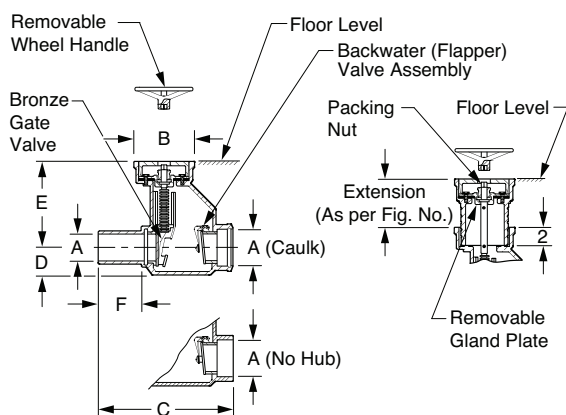
For Pricing information on this Product Series contact your local Jay R. Smith Mfg. Co. representative.

A DIA. NO-HUB (-Y) IN/OUT SIZE	B CENTERLINE TO TOP	C OVERALL HEIGHT	D DIA. WIDTH	E LENGTH	F INLET LENGTH	G OUTLET LENGTH	*H	*J	X MIN. BURY DEPTH	BASE WIDTH
04"	15"	22 15/16"	13 1/4"	6 5/8"	2 3/8"	4 1/4"	26"	26 1/2"	9"	7 1/2"
06"	20 3/8"	31 1/4"	13 1/4"	8 3/16"	3 3/16"	5"	22"	22 1/2"	14"	9 1/2"

REGULARLY FURNISHED: Duco Coated Cast Iron Body Complete with Stainless Steel Gate and Flexible PVC Diaphragm/Expansion Chamber.

*Dimension can be decreased by up to 10" for the 4" size and 3" for the 6" size by cutting the pit and telescoping the 2 sections to meet required depth. See instructions supplied with pit.

FIG. 7150 IN-LINE MANUAL SHUT-OFF VALVE



INLET VARIATIONS	
Inlet Type	ADD
Caulk	N/C
No-Hub	N/C

OPTIONS:		DEDUCT
-LW	Less Wheel Handle	111.00
-SW	Sized for Service Weight	N/C

NOTES: Extension joint(s) must be caulked using 1"(25) of oakum and 1"(25) of poured lead. Not sized for compression type gaskets.

During periods when manual shut-off valve is closed, use of building plumbing fixtures and drains must be avoided.

B.W.V. flapper set at factory to hang in closed position. Pin can be moved to permit flapper to hang open 1/4" to permit air circulation.

4" size furnished with Delrin Backed Neoprene flapper. 6" size furnished with bronze flapper.

Fig. 7150C & 7150Y are accessible from finished floor. Non-rising stem with spade-shaped gate assures positive closure.

These valves offer protection against backwater surges. Backflow is prevented when valve is not obstructed by debris or sludge. Use for gravity flow only, not for pressurized applications.

Conforms to ASME A112.14.1

FIG. NO.	EXTENSION	A OUTLET SIZE	B DIA.	C	D	E	F	*DUCO CI BRZ. VALVE	GALV CI BRZ. VALVE	APPROX. WEIGHT LBS.
7150	-	04"	8"	18"	3 3/4"	12"	5"	7,827.00	9,912.00	110
	-	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	11,529.00	13,615.00	140
7151	12"	04"	8"	18"	3 3/4"	12"	5"	11,052.00	13,138.00	110
7152	24"	04"	8"	18"	3 3/4"	12"	5"	14,279.00	16,365.00	130
7153	9 1/2"	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	14,753.00	16,839.00	140
7154	21 1/2"	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	17,976.00	20,063.00	160
7155	Adaptor	04"	8"	18"	3 3/4"	12"	5"	10,163.00	12,249.00	110
	Adaptor	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	14,321.00	16,407.00	115

REGULARLY FURNISHED: Duco Cast Iron Body and Cover with Removable Wheel Handle. Bronze Gate and Bronze Flapper Valve. Cast Iron Extensions as Indicated by Figure Number Selected.

TRAPS

FIG. 7220, 7221 DEEP SEAL "P" TRAPS W/FEMALE THREADED INLET AND OUTLET (7220) OR MALE THREADED INLET AND FEMALE THREADED OUTLET (7221)

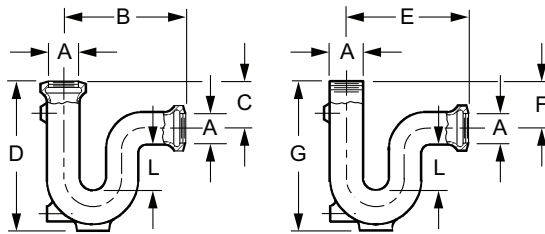


Fig. 7220

Fig. 7221

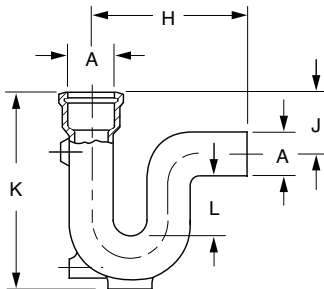
OPTIONS:		ADD
-BP	Bronze Cleanout Plug	320.00
-FC	Flushing Connection	232.00
-P	Trap Primer Connection	232.00
-Y	No-Hub Adaptor	See Fig. 2646Y for list add to THREADED body price

A OUTLET SIZE	B	C	D	E	F	G	L SEAL	*DUCO CI	GALV CI	ARC CI INSIDE	APPROX. WEIGHT LBS.
02"	6 1/4"	2 3/4"	10"	6 1/4"	2 3/4"	10"	4"	683.00	875.00	971.00	10
03"	8"	3"	13"	8"	3"	13"	5"	1,046.00	1,504.00	1,583.00	20
04"	9 3/4"	4 1/4"	15 1/2"	9 3/4"	6"	17 1/2"	5"	1,571.00	2,292.00	2,330.00	33

REGULARLY FURNISHED: Duco Cast Iron Trap.

FIG. 7222 DEEP SEAL "P" TRAP WITH HUB INLET AND SPIGOT OUTLET

7222
Same as
7220 but with Hub
Inlet and Spigot
Outlet



OPTIONS:		ADD
-BP	Bronze Cleanout Plug	320.00
-FC	Flushing Connection	232.00
-P	Trap Primer Connection	232.00

A OUTLET SIZE	H	J	K	L SEAL	*DUCO CI	GALV CI	ARC CI INSIDE	ALL BRONZE (-BB)	APPROX. WEIGHT LBS.
02"	10"	4"	11 1/2"	4"	683.00	875.00	971.00	POA	10
03"	11 1/2"	4 1/2"	14 1/2"	5"	1,046.00	1,504.00	1,583.00	POA	20
04"	14 3/4"	7"	18 1/2"	5"	1,571.00	2,292.00	2,330.00	POA	33

REGULARLY FURNISHED: Duco Cast Iron Trap.

FIG. 7230, 7231, 7232 DEEP SEAL TRAP WITH FLOOR CLEANOUT

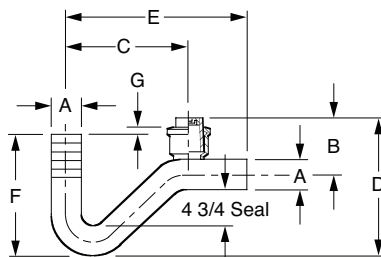


Fig. 7230

Adjustable Housing
With Tractor Cover

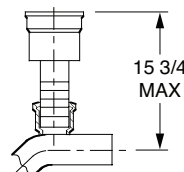


Fig. 7231

Extension Ferrule
With Cleanout Plug

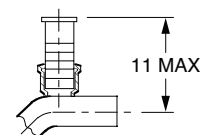


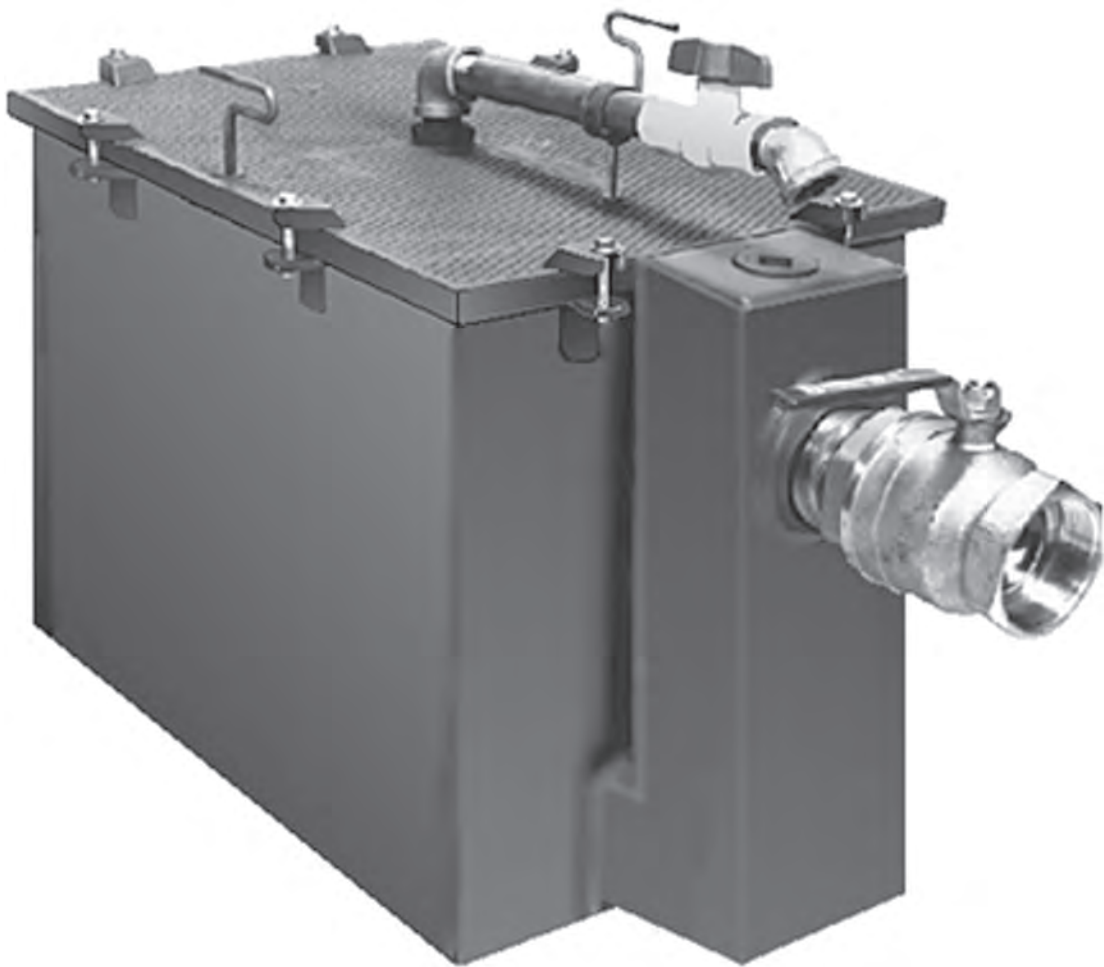
Fig. 7232

FIGURE NO.	A OUTLET SIZE	B	C	D	E	F	G	*DUCO CI	GALV CI	APPROX. WEIGHT LBS.
7230	02"	6"	11"	13 3/4"	16 1/2"	12 1/2"	1/4"	1,643.00	2,463.00	37
	03"	7 3/4"	14 1/2"	15 3/4"	21 3/4"	14"	3/4"	2,109.00	2,928.00	37
	04"	8 1/2"	14 1/2"	18 1/2"	21 1/2"	16"	1 1/4"	2,389.00	3,209.00	42
7231	02"	6"	11"	13 3/4"	16 1/2"	12 1/2"	1/4"	2,011.00	2,830.00	56
	03"	7 3/4"	14 1/2"	15 3/4"	21 3/4"	14"	3/4"	2,581.00	3,399.00	56
	04"	8 1/2"	14 1/2"	18 1/2"	21 1/2"	16"	1 1/4"	2,989.00	3,808.00	58
7232	02"	6"	11"	13 3/4"	16 1/2"	12 1/2"	1/4"	1,643.00	2,463.00	43
	03"	7 3/4"	14 1/2"	15 3/4"	21 3/4"	14"	3/4"	2,109.00	2,916.00	43
	04"	8 1/2"	14 1/2"	18 1/2"	21 1/2"	16"	1 1/4"	2,389.00	3,209.00	70

REGULARLY FURNISHED: Duco Cast Iron Body and Ferrule with Bronze Cleanout Plug.

*REGULARLY FURNISHED

INTERCEPTORS



ORDERING GUIDELINES



8000 SERIES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:

8050T03 (-B-QC)

Figure No. _____

Type of Outlet (Threaded) _____

Pipe Size (Inches) _____

Lift Out Sediment Bucket _____

Cover Recessed for Terrazzo Ceramic or Quarry Tile _____

8910-50T04 (-F-C-SS)

Figure No. _____

GPM (Flow Rate) _____

Type of Outlet (Threaded) _____

Pipe Size (Inches) _____

Flashing Flange and Flashing Clamp _____

All Stainless Steel Unit _____

INTERCEPTORS TECHNICAL DATA



SCIENTIFICALLY ENGINEERED For over fifty years, JAY R. SMITH MFG. CO. has conducted hundreds of tests both in the laboratory and in the field, in order to offer efficient grease interceptors which have improved operational characteristics suitable for most applications.

When designing our line of interceptors, we kept in mind the fact that these units must be for practical applications. As a result, the units embody practical features that make installation easier and also simplify cleaning and servicing.

PLUMBING AND DRAINAGE INSTITUTE CERTIFICATION SEAL Many Smith Interceptors bear the certification seal of the Plumbing and Drainage Institute. Ratings shown in the catalog conform with the rigid standards established by the Institute. This seal on Smith Grease Interceptors is your guarantee that the designs and ratings have met or surpassed all standards established by the Institute.

PRACTICAL FEATURES The one piece cover used on SMITH Interceptors is equipped with a single lock and lift ring (two on large sizes). No bolts or nuts to get lost or wrenches to look for. . . the locking device is a practical feature of the cover assembly.

A soft, flat or round neoprene gasket is firmly attached to the body of all interceptors. This eliminates the gasket tearing loose every time the cover is removed.

Interceptors have an air relief to eliminate the possibility of siphonage, and are furnished with a separate flow control device to insure the interceptor will function within its rated capacity.

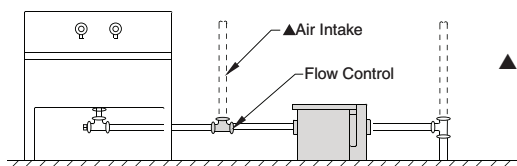
APPLICATION A Grease Interceptor is necessary where grease, fats, oils or other similar line clogging contaminants are present in waste water that must be disposed of through the sanitary system.

Preventing grease from entering drainage lines should always be considered when designing the plumbing drainage system in any restaurant, cafeteria, hotel, school, hospital, institutional or commercial building having facilities for the preparation and serving of food in quantity. In these installations, as well as in commercial food processing plants, dairies, and other industries where greases and fats are a by-product, an efficient SMITH interceptor should be installed to prevent this material from entering the drainage lines.

HOW THE INTERCEPTOR OPERATES

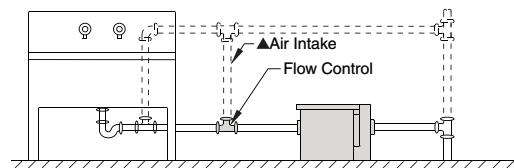
Water draining to the interceptor passes through a flow control fitting which regulates the velocity of the water to the capacity of the interceptor. As the water enters the interceptor at this controlled rate of flow it is free of turbulence. It then passes over a series of separator baffles which are strategically located to insure that greases, fats and oils are efficiently separated from the waste water. Once separated, these contaminants rise to the surface of the water in the interceptor by natural flotation and are accumulated until removed. The waste water now relieved of over 90% of the contaminant oils and greases, continues to flow through the interceptor into the sanitary system.

TYPICAL SINGLE FIXTURE INSTALLATIONS



FIXTURE NOT TRAPPED

▲See Footnote on next page



FIXTURE TRAPPED AND VENTED SEPARATELY

PROCEDURE FOR SIZING GREASE INTERCEPTORS

EXAMPLE

STEP 1	Determine the cubic content of the fixture by multiplying length x width x depth.	A sink 48" long by 24" wide by 12" deep Cubic content $48 \times 24 \times 12 = 13,824$ cubic in.
STEP 2	Determine the capacity in gallons. 1 gal. = 231 cubic inches.	Contents in gals. $\frac{13,824}{231} = 59.8$ gals.
STEP 3	Determine actual drainage load. The fixture is usually filled to about 75% of capacity with waste water. The items being washed displace about 25% of the fixture content. Actual drainage load = 75% of fixture capacity.	Actual Drainage Load $.75 \times 59.8$ gals. = 44.9 gals.
STEP 4	Determine the flow rate and the drainage period. In general, good practices dictate a one minute drainage period, however where conditions permit, a 2 minute period is acceptable. Drainage period is the actual time required to completely empty the fixture. Flow Rate = $\frac{\text{Actual Drainage Load}}{\text{Drainage Period}}$	Calculate flow rate for 1 minute period. Flow Rate $\frac{44.9 \text{ gals.}}{1 \text{ Min.}} = 44.9$ GPM For 2 minute period Flow Rate $\frac{44.9 \text{ gals.}}{2 \text{ Min.}} = 22.5$ GPM
STEP 5	Select the Interceptor which corresponds to the flow rate calculated. Note: Select larger size when flow rate falls between two sizes listed. If flow rate is above 50 GPM, select a larger Interceptor (Fig. 8400 Series).	For 1 minute period 44.9 GPM requires a Fig. 8050 For 2 minute period 22.5 GPM requires a Fig. 8025

As a general rule, it is good practice to size the Interceptor so that its rated capacity is never less than 40% of the fixture capacity in gallons. In the example above, the actual fixture capacity is 59.8 gals., and 40% of this would be 23.9 gals. or a Fig. 8025. It is readily seen that a drainage period other than one or two minutes can be used. If conditions justify, any period between one and two minutes is satisfactory, however, we do not recommend a period longer than 2 minutes. Using the 40% rule of thumb gives a drainage period of 1 7/8 minutes.

AUTOMATIC DRAW-OFF GREASE INTERCEPTORS

Smith "GT" Series Semi-Automatic Draw-off Grease Interceptors offer the same high intercepting efficiency as the conventional manual cleaned models, but completely eliminate the unsanitary and undesirable job of removing the accumulated grease manually.

The semi-automatic draw-off interceptor eliminates . . .

- time consuming cover removal
- manually removing accumulated grease
- offensive odors

Since cleaning a "GT" interceptor is simple, fast and efficient, maintenance personnel will more likely follow the regular cleaning schedule. This is a distinct advantage over the conventional units which are frequently left unattended.

When to Clean - The ideal time to clean is immediately after the interceptor has been heavily used.

Cleaning Frequency - The frequency of the draw-off cycle is determined by the use load factor of the interceptor. An ideal cleaning cycle can be set after the unit is in operation for several weeks. By observing the amount of grease used and the frequency of use, the operator can determine a logical cleaning cycle.

Cleaning Operation 8000 GT Series

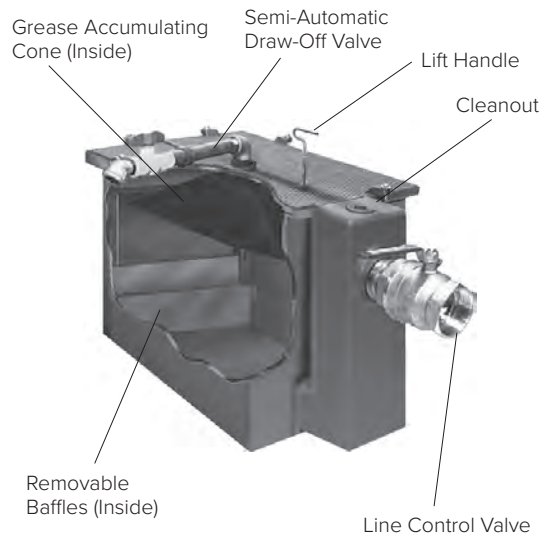


Fig. 8000GT

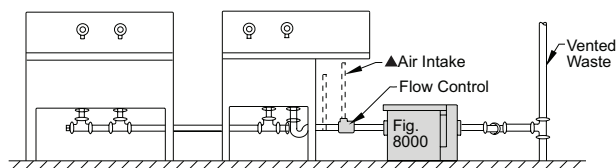
1. Unit in normal use has the line control valve open and semi-automatic draw-off valve closed. When cleaning is required, run a full stream of hot water through interceptor. It is preferable to have this water at 140° or higher, running for a period of at least two minutes.
2. Turn off hot water running into the interceptor and wait for a period of three to five minutes for grease in the interceptor to liquefy.
3. Semi-Automatic draw-off cycle can now be started. Close the line control valve.
4. Open semi-automatic draw-off valve at top of the interceptor and place a container underneath this valve. Run hot water through interceptor at a rate of between 1 1/2 and 2 1/2 G.P.M.
5. After water has run into interceptor at this rate for a short period, the unit will fill. Accumulated liquefied grease will be raised into cone and draw-off piping.
6. Allow accumulated liquefied grease to flow out of draw-off valve until clear water appears.
7. When clear water appears, shut off flow of hot water into interceptor, turn line control valve to open position. Close semi-automatic draw-off valve at top of interceptor.
8. Interceptor at this stage is ready again for normal use.

INSTALLATION - GREASE INTERCEPTORS

MULTIPLE FIXTURE INSTALLATIONS

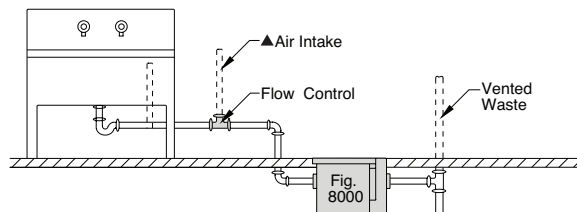
It is sometimes practical to discharge the waste from two or more sinks into a single Interceptor. This practice is only recommended when all fixtures are close together, avoiding installation of long piping runs to the Interceptor. For multiple installations, size as follows:

1. Determine total capacity of all sinks.
2. Establish the maximum simultaneous discharge of the sinks and fixtures.
3. Using the maximum simultaneous load capacity, determine the Interceptor required using the sizing method shown on previous page.

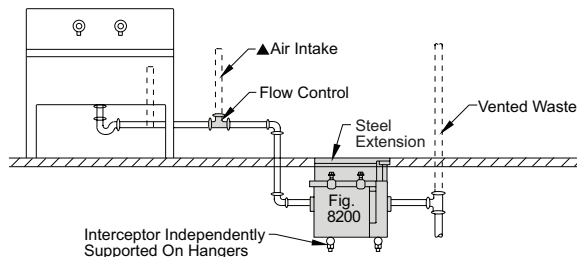


ON FLOOR INSTALLATION

▲ Terminate Air Intake outside above the rim of sink with return bend or connect to vent or vent stack as required by local code.



SINGLE INSTALLATION - FULLY RECESSED



RECESSED WITH EXTENSION TO FLOOR LEVEL

Interceptor cover may be brought to floor level by using an extension when Interceptor installation is below the floor.

GREASE INTERCEPTORS WITH EXTENSION INSTALLATION NOTE

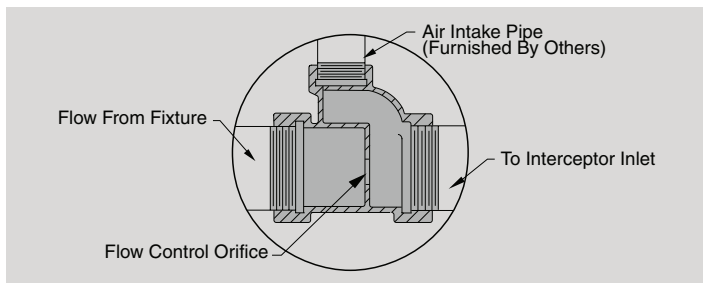
The Extension of 8200 Series Interceptors is designed to increase the roughing dimension from the Inlet-Outlet center line to the finished floor. The Extension should not be used to support the entire unit. When installed in ground floor locations, the Interceptor body must rest on solid ground or on a suitable concrete pad. If the 8200 Series unit is installed in an upper floor (suspended in the ceiling below), a suitable method of supporting the entire unit must be provided. The installation sketch shows a typical Interceptor with Extension and a recommended method of supporting the entire weight.

SUSPENDED INTERCEPTOR INSTALLATION CONSIDERATIONS

Whenever an interceptor is to be installed suspended with receiving cradle (8300 series) or independently (all other series interceptors), proper support is essential for safety and functional integrity of the installation.

Trapeze type hangers such as those employed for support of multiple runs of horizontal piping are recommended for support of independent interceptors. Such supports should also be considered for 8300 series receiving cradles to supplement the integral concrete anchor flange. Supports must be of sufficient strength for the purpose intended and meet with the approval of the architect or engineer.

FLOW CONTROL FITTING



MAINTENANCE

All interceptors must be cleaned regularly. The frequency of grease removal is dependent upon the capacity of the interceptor and the quantity of grease in the waste water. The cleaning interval can vary from once a week to once in several weeks. When this period is determined, we recommend regular cleaning at this interval in order to maintain proper operating efficiency. Solids that collect in the interceptor through settling should also be removed at the same time of the grease removal. At this time the air relief port should be checked to see that it is clear. Complete operating and maintenance instructions are packed with every interceptor.

OIL INTERCEPTORS

An oil interceptor is required wherever lubricating oil, cutting oil, kerosene, gasoline, naptha, paraffin, trisodium phosphate and numerous other light density and volatile liquids are present in the drainage system.

In commercial establishments such as service stations, garages, auto repair shops, dry cleaners, laundries, industrial plants or process industries having machine shops, metal treating process rooms, chemical process or mixing rooms, etc., there is always the problem of flammable or volatile liquids entering the drainage system which can contaminate the sewer line and cause a serious fire or explosive condition.

Oil interceptors are designed to separate oils and other light density volatile liquids which are discharged into the drainage system.

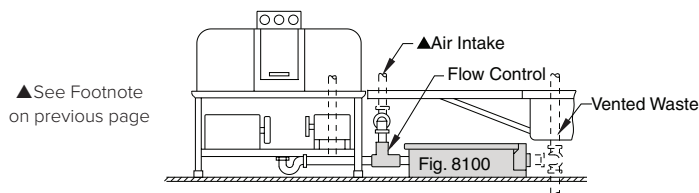
The interceptor is installed between the drain and the sanitary system so the liquids passing through the interceptor are trapped and separated by gravity through a baffle arrangement and are then diverted to an accumulator chamber and removed through the gravity draw-off built into the interceptor. This draw-off can be piped directly to a storage tank so the interceptor continuously and automatically drains the accumulated oils.

Each Oil Interceptor is furnished with a sediment bucket which collects chips, particles or other sediment frequently present in industrial waste that could clog the drainage system. A gasketed removable cover provides access for cleaning the interceptor. To eliminate pressure build-up inside the interceptor, a vent connection on each side of the body allows the venting of the interceptor.

A SMITH Oil Interceptor is sized in accordance with maximum anticipated gallon per minute flow rate of water that would be discharged through the drains it serves. A flow control fitting of the exact gallon per minute interceptor rating insures maximum oil interception efficiency.

DISHWASHER MACHINES

A separate grease Interceptor is recommended with each dishwashing machine. The size of the Interceptor is determined by the dishwasher capacity.



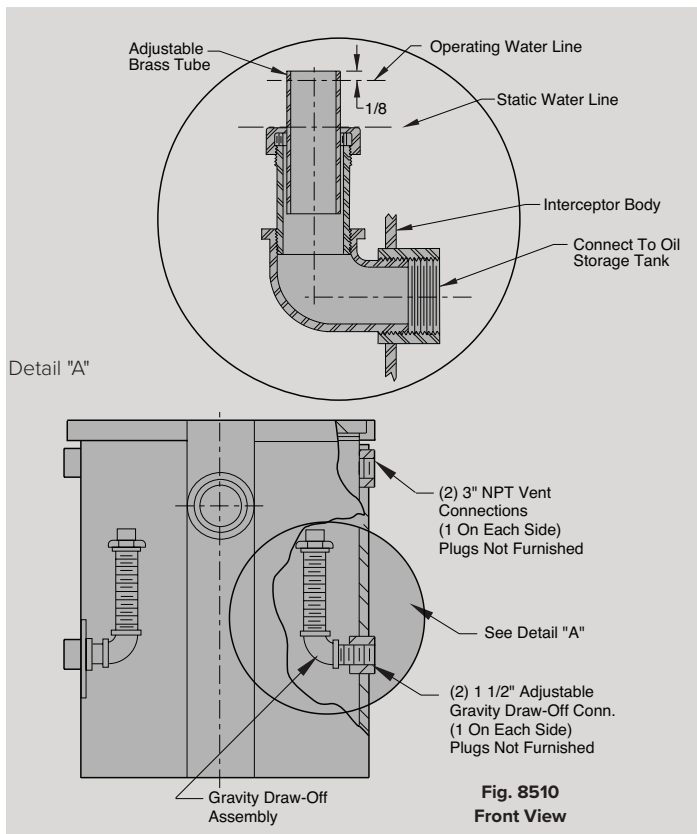
LOW TYPE - DISHWASHER INSTALLATION

Dishwasher Capacity	Gals.	15-20	20-30	30-50	50-70	70-100
Interceptor Size	Fig.	8015	8020 8120	8025	8035 8135	8050 8150

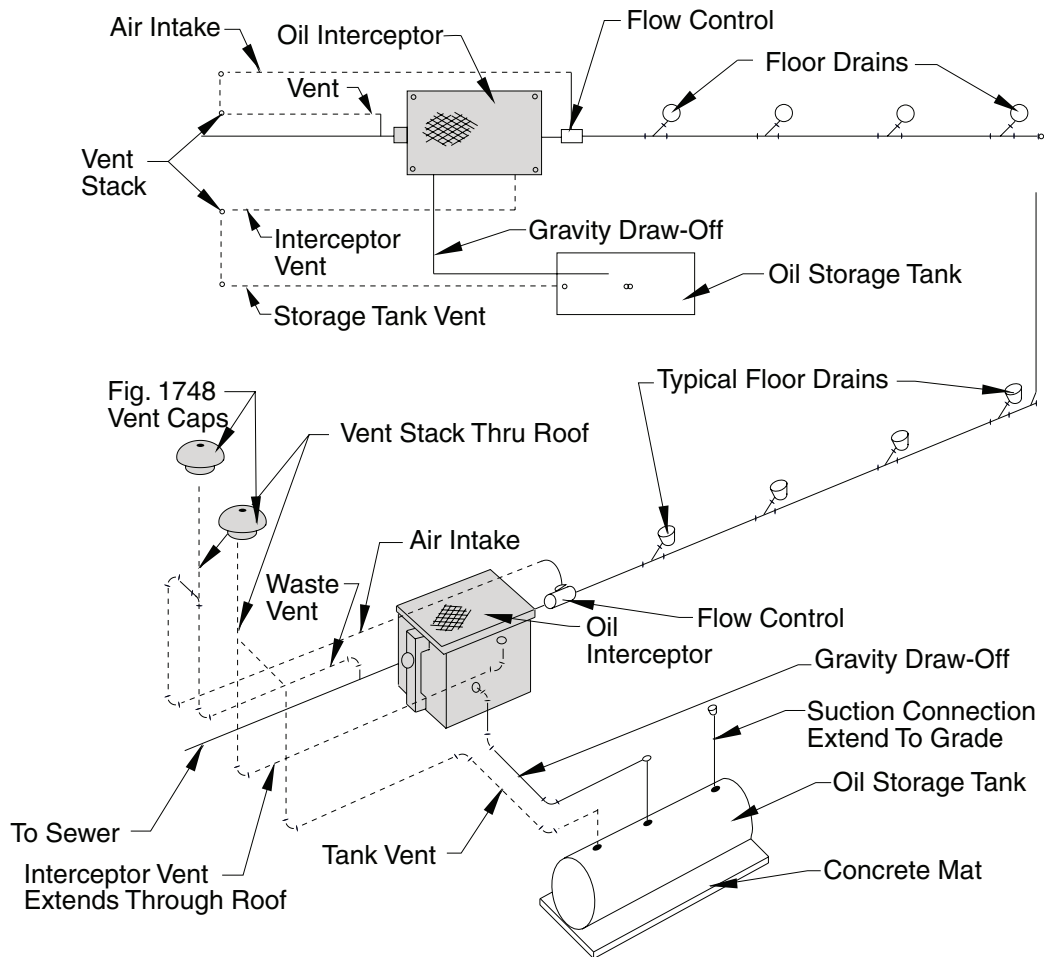
INSTRUCTIONS FOR ADJUSTING GRAVITY OIL DRAW-OFF

When the Interceptor is completely installed, establish operating water line by running water thru interceptor at maximum flow rate. Mark or locate this operating water line and adjust tubing 1/8" above this line as shown in Detail "A". Adjustment should be checked after Interceptor is in operation. If water is present in oil removed through gravity draw-off, adjustable brass tube should be raised slightly, until no water is present.

APPROVED BY N.Y. BOARD OF STANDARDS AND APPEALS
NO. 935-53-SM



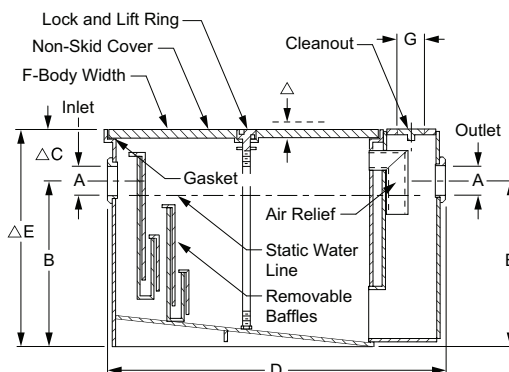
INSTALLATION EXAMPLE



NOTES

INTERCEPTORS

FIG. 8000 SERIES LARGE CAPACITY STEEL GREASE INTERCEPTORS



Side View
Fig. 8010 Shown

OPTIONS:		ADD
-E	Extension	See Fig. 8210-8250 Series
-Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add
-Z	Enzyme Opening in Cover	237.00

If purchasing the extension alone, contact engineering to determine if cover is also needed:

	LIST
8210E06	7,148.00
8215E06	7,352.00
8220E06	7,356.00
8225E06	7,829.00
8235E06	8,785.00
8250E06	9,500.00



Figs. 8007 thru 8050, 8120 and 8135 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

▲NOTE: When tile or Terrazzo top is specified, add 1 1/4".

NOTE: Whenever an interceptor is to be installed suspended in a floor slab with a cradle or independently, proper support is essential for safety and functional integrity of the installation. Supports / support system shall be of sufficient strength and proper design for the purpose intended and meet the approval of the architect and structural engineer. Jay R. Smith Mfg. Co. is not responsible for the design or recommendation of such supports. Upon request, Jay R. Smith Mfg. Co. will provide the weight of the specific unit. Additional weight must be added to compensate for the weight of the liquid / grease when full and in the flowing mode of operation.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

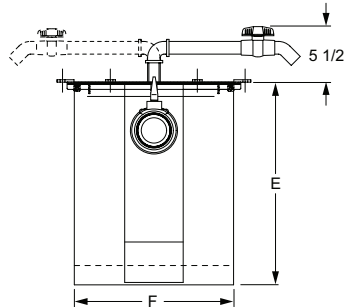
NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

FIG. NO.	GPM FLOW RATE	MIN. GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM			BODY		C.O. PLUG SIZE G	†DUCO INSIDE AND OUTSIDE	DUCO w/ARC INSIDE OR OUTSIDE	w/ARC INSIDE AND OUTSIDE	ADD FOR:				APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH					LIFT OUT SEDIMENT BKT (-B)	H2O COVER	ALUM COVER (-AC)	COVER RECESSED FOR TILE (-TC)/ TERRAZZO (-QC)	
8004	4	8	02"	7 3/4"	3 1/4"	16 3/4"	11"	9"	2"	3,924.00	9,617.00	10,101.00	2,782.00	7,723.00	2,115.00	-	68
8007	7	14	02"	8 1/2"	3 1/2"	19"	12"	10"	2"	5,452.00	11,253.00	11,759.00	2,782.00	8,649.00	2,115.00	-	79
8010	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	11 1/2"	2"	6,403.00	12,563.00	13,105.00	2,782.00	9,306.00	2,115.00	7,973.00	115
8015	15	30	02"	12"	3 1/2"	25"	15 1/2"	13 1/2"	2"	9,492.00	16,133.00	16,848.00	2,782.00	10,008.00	2,115.00	9,676.00	120
8020	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	11,612.00	18,494.00	19,483.00	2,851.00	10,597.00	2,963.00	10,823.00	125
8025	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	13,048.00	20,282.00	21,442.00	3,012.00	11,187.00	2,963.00	12,507.00	130
8035	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	16,125.00	23,928.00	25,266.00	3,225.00	12,361.00	2,963.00	15,356.00	155
8050	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	21,351.00	31,582.00	33,364.00	4,604.00	12,950.00	2,963.00	21,346.00	195
LOW TYPE																	
8120	20	40	03"	7"	3 1/2"	38 1/2"	10 1/2"	21 3/4"	2"	15,654.00	22,660.00	23,862.00	2,207.00	-	2,963.00	23,121.00	145
8135	35	70	03"	7"	4 3/4"	49 1/2"	11 3/4"	27 3/4"	2"	20,159.00	28,200.00	29,983.00	3,034.00	-	3,689.00	30,753.00	222
8150	50	100	03"	10"	6"	49 1/2"	16"	27 3/4"	2"	34,151.00	44,844.00	47,291.00	3,123.00	-	3,689.00	39,570.00	343

*Available with one size larger inlet and outlet when specified. No charge.

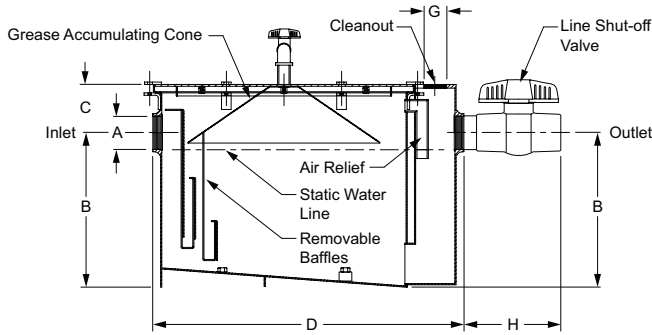
REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.

*REGULARLY FURNISHED



Front View

OPTIONS:		ADD
	With Bronze Line Shut-off Valve	POA
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add



Side View
Fig. 8035GT Shown

FIG. NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	LINE SHUT-OFF VALVE H	DUCO COAT INSIDE AND OUTSIDE	w/ARC INSIDE OR OUTSIDE	w/ARC INSIDE AND OUTSIDE	APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH						
8007GT	07	14	02"	8 1/2"	3 1/2"	19"	12"	10 3/4"	2"	6 3/4"	13,938.00	20,767.00	26,941.00	95
8010GT	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	6 3/4"	16,486.00	23,449.00	29,754.00	110
8015GT	15	30	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	6 3/4"	17,562.00	25,607.00	32,306.00	145
8020GT	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	10"	22,579.00	31,917.00	39,272.00	130
8025GT	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	10"	26,194.00	35,904.00	43,777.00	150
8035GT	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	10"	26,870.00	36,934.00	45,318.00	180
8050GT	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	10"	30,676.00	41,241.00	50,387.00	205
8075GT	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	12 3/4"	36,495.00	45,651.00	57,664.00	250
Low Type														
8120GT	20	40	03"	7"	3 1/2"	38 1/2"	10 1/2"	21 3/4"	2"	10"	26,047.00	35,587.00	43,803.00	140
8135GT	35	70	03"	7"	4 3/4"	49 1/2"	11 3/4"	27 3/4"	2"	10"	36,716.00	47,238.00	56,081.00	188
8150GT	50	100	03"	10"	6"	49 1/2"	16"	27 3/4"	2"	10"	45,041.00	56,499.00	68,704.00	213

*Available with larger inlet and outlet when specified. **Contact the factory for pricing.**

REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside with Steel Cone Draw-off Piping and Valve Line Shut-off Valve and Flow Control Fitting.

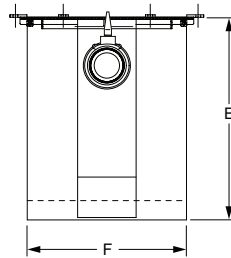
NOTE: Whenever an interceptor is to be installed suspended in a floor slab with a cradle or independently, proper support is essential for safety and functional integrity of the installation. Supports / support system shall be of sufficient strength and proper design for the purpose intended and meet the approval of the architect and structural engineer. Jay R. Smith Mfg. Co. is not responsible for the design or recommendation of such supports. Upon request, Jay R. Smith Mfg. Co. will provide the weight of the specific unit. Additional weight must be added to compensate for the weight of the liquid / grease when full and in the flowing mode of operation.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

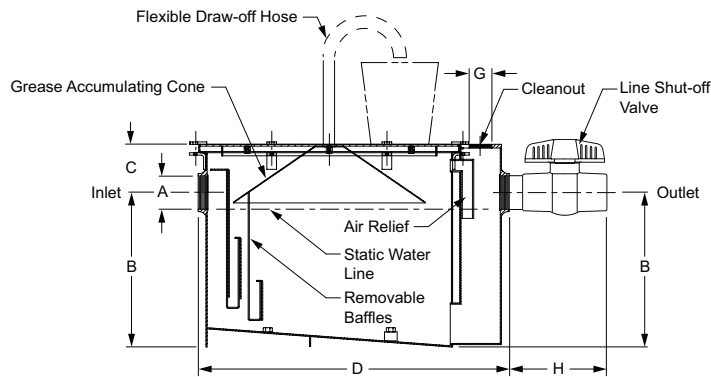
NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

INTERCEPTORS

FIG. 800GTX SERIES STEEL GREASE INTERCEPTORS W/SEMI-AUTOMATIC DRAW-OFF FOR RECESSED INSTALLATION



Front View



Side View

OPTIONS:		ADD
	With Bronze Line Shut-off Valve	POA
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add

FIG. NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	LINE SHUT-OFF VALVE H	+DUCO COAT INSIDE AND OUTSIDE	w/ARC INSIDE OR OUTSIDE	w/ARC INSIDE AND OUTSIDE	APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH						
8007GTX	07	14	02"	8 1/2"	3 1/2"	19"	12"	10 3/4"	2"	6 3/4"	13,938.00	20,767.00	26,941.00	95
8010GTX	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	6 3/4"	16,486.00	23,449.00	29,754.00	110
8015GTX	15	30	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	6 3/4"	17,562.00	25,607.00	32,306.00	145
8020GTX	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	10"	22,579.00	31,917.00	39,272.00	130
8025GTX	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	10"	26,194.00	35,904.00	41,236.00	150
8035GTX	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	10"	26,870.00	36,934.00	45,318.00	180
8050GTX	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	10"	30,676.00	41,241.00	50,387.00	205
8075GTX	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	12 3/4"	36,495.00	45,651.00	57,664.00	250
LOW TYPE														
8120GTX	20	40	03"	7"	3 1/2"	38 1/2"	10 1/2"	21 3/4"	2"	10"	26,047.00	35,587.00	43,803.00	140
8135GTX	35	70	03"	7"	4 3/4"	49 1/2"	11 3/4"	27 3/4"	2"	10"	36,716.00	47,238.00	56,081.00	188
8150GTX	50	100	03"	10"	6"	49 1/2"	16"	27 3/4"	2"	10"	45,041.00	56,499.00	68,704.00	213

*Available with larger inlet and outlet when specified. **Contact the factory for pricing.**

REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside with Steel Cone, Draw-off Hose and Cap, Line Shut-off Valve and Flow Control Fitting.

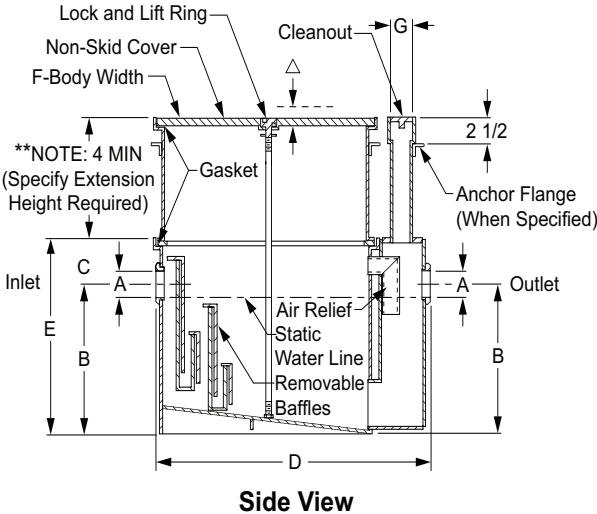
NOTE: Whenever an interceptor is to be installed suspended in a floor slab with a cradle or independently, proper support is essential for safety and functional integrity of the installation. Supports / support system shall be of sufficient strength and proper design for the purpose intended and meet the approval of the architect and structural engineer. Jay R. Smith Mfg. Co. is not responsible for the design or recommendation of such supports. Upon request, Jay R. Smith Mfg. Co. will provide the weight of the specific unit. Additional weight must be added to compensate for the weight of the liquid / grease when full and in the flowing mode of operation.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

INTERCEPTORS

FIG. 8200 SERIES STEEL GREASE INTERCEPTORS WITH EXTENSION



OPTIONS:		ADD
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add
-Z	Enzyme Opening in Cover	237.00

2" must be added to dimensions D & F for clearance of extension clamps.

Grease interceptor is an 8010-8050 series basic unit. Adding an extension changes the figure number to 8210-8250.



Figs. 8010 thru 8050 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

FIG. NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	w/4"TO 6" EXT. †DUCO COAT INSIDE AND OUTSIDE	ADD FOR:							APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH			**EACH 1" OF EXT. OVER 6"	ANCHOR FLANGE (-F)	FLASHING FLANGE AND CLAMP (-F-C)	LIFT OUT SEDIMENT BKT (-B)	H2O COVER	ALUM COVER (-AC)	COVER RECESSED FOR TILE (-TC)/ TERRAZZO (-QC)	
8210	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	11 1/2"	2"	13,550.00	356.00	2,231.00	2,685.00	2,782.00	9,306.00	2,115.00	7,973.00	180
8215	15	30	02"	12"	3 1/2"	25"	15 1/2"	13 1/2"	2"	16,845.00	406.00	2,231.00	2,685.00	2,782.00	10,008.00	2,115.00	9,676.00	184
8220	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	18,968.00	449.00	2,419.00	2,863.00	2,846.00	10,597.00	2,963.00	10,823.00	211
8225	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	20,876.00	512.00	2,508.00	2,994.00	3,012.00	11,187.00	2,963.00	12,507.00	230
8235	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	24,908.00	563.00	2,632.00	3,117.00	3,225.00	12,361.00	2,963.00	15,356.00	265
8250	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	30,852.00	656.00	2,685.00	3,537.00	4,824.00	12,950.00	2,963.00	21,346.00	289

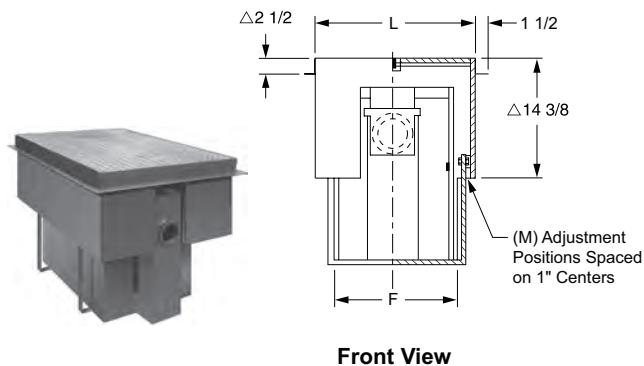
* Available with one size larger inlet and outlet when specified. No charge.
When ordering, Specify Extension height required from top of interceptor to top of extension using suffix number for extension height. Example: Fig. 8225 w/6" ext. -Specify Fig. 8225 (-E06).

** For any fraction of an inch, go to next inch for pricing. (Example: 11 1/2", price for 12")
If Extension **exceeds 10"** and/or **interceptor requires a different cover**, contact Sales Engineering to see if reinforcement is needed. Additional charges will apply.

REGULARLY FURNISHED: Steel Interceptor and Extension with Gray Duco Coating Inside and Outside and Flow Control Fitting.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**



OPTIONS:		ADD
-AC	Aluminum Cover on Interceptor	POA
-ACC	Aluminum Cover on Cradle	POA
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add

△NOTE: When tile top is specified, add 1".
When Terrazzo top is specified, add 1 1/4".

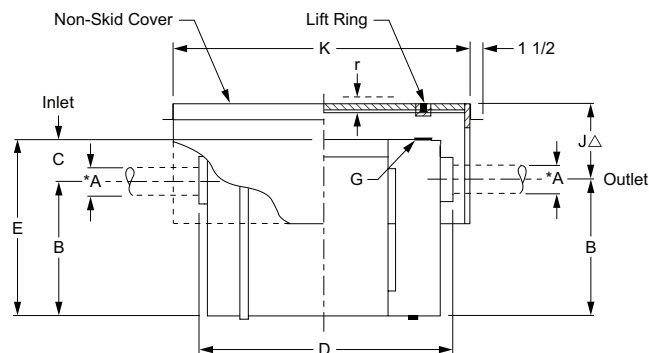


Fig. 8335 Shown

FIG. NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	CRADLE DIM.				M	DUCO COAT INSIDE AND OUTSIDE	INTERC. ▲ w/ARC IN OR OUT -ARC	INTERC. ▲ w/ARC IN AND OUT OUTSIDE -ARIO	ADD FOR:			APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH		J △ MIN.	MAX.	K LENGTH	L WIDTH					▲ -ARC (CRADLE)	LIFT OUT SEDIMENT BKT (-B)	DRIP PAN (-W)	
8304	4	8	02"	7 3/4"	3 1/4"	16 3/4"	11"	10"	2"	6 3/4"	17 3/4"	27 1/4"	19 1/4"	12"	12,942.00	18,636.00	19,120.00	4,268.00	2,782.00	1,290.00	170
8307	7	14	02"	8 1/2"	3 1/2"	19"	12"	10 3/4"	2"	7"	17"	27 1/4"	19 1/4"	12"	15,780.00	21,580.00	22,087.00	4,268.00	2,782.00	1,579.00	180
8310	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	7"	16"	27 1/4"	19 1/4"	12"	17,162.00	23,322.00	23,865.00	4,268.00	2,782.00	1,714.00	215
8315	15	30	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	7 1/2"	18 1/2"	34 3/4"	22 3/4"	13"	21,014.00	27,655.00	28,370.00	4,268.00	2,782.00	2,020.00	270
8320	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	7 1/2"	17 1/2"	34 3/4"	22 3/4"	13"	23,882.00	30,765.00	31,755.00	4,268.00	2,851.00	2,384.00	290
8325	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	7 1/2"	19 1/2"	41 3/4"	28 1/4"	13"	25,632.00	32,866.00	34,026.00	6,160.00	3,012.00	2,561.00	320
8335	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	8 1/4"	18 3/4"	41 3/4"	28 1/4"	13"	29,264.00	37,068.00	38,404.00	6,160.00	3,225.00	3,368.00	345
8350	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	10 1/4"	17 1/4"	41 3/4"	28 1/4"	13"	35,231.00	45,462.00	47,242.00	6,160.00	4,824.00	3,520.00	410

*Available with **one** size larger inlet and outlet when specified. No charge.

*Acid Resistant Coating on **Interceptor only**.

▲ When ARO or ARIO is specified, -ARC must also be specified.

REGULARLY FURNISHED: Steel Interceptor and Receiving Cradle with Gray Duco Coating Inside and Outside and Flow Control Fitting.



Figs. 8007 thru 8050 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

NOTE: Whenever an interceptor is to be installed suspended in a floor slab with a cradle or independently, proper support is essential for safety and functional integrity of the installation. Supports / support system shall be of sufficient strength and proper design for the purpose intended and meet the approval of the architect and structural engineer. Jay R. Smith Mfg. Co. is not responsible for the design or recommendation of such supports. Upon request, Jay R. Smith Mfg. Co. will provide the weight of the specific unit. Additional weight must be added to compensate for the weight of the liquid / grease when full and in the flowing mode of operation.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

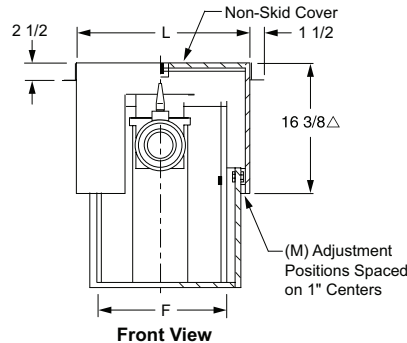
INTERCEPTORS

FIG. 8300GT SER. STEEL GREASE INTERCEPTORS W/SEMI-AUTOMATIC DRAW-OFF & RECEIVING CRADLE

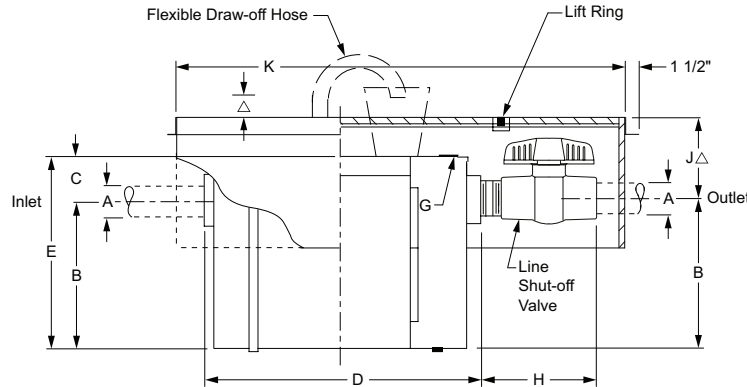


WATERPROOFING: There are no provisions for waterproofing the cradle or interceptor. A drip pan (by others) is recommended for installations where units are installed suspended in an above grade floor structure above a ceiling.

STRUCTURAL SUPPORTS: Whenever an interceptor is to be installed suspended in a floor slab with a cradle or independently, proper support is essential for safety and functional integrity of the installation. The structural support/support system shall be of sufficient strength and proper design for the purpose of supporting the when a full capacity and meet the approval of the architect and structural engineer. Jay R. Smith Mfg. Co. is not responsible for the design or recommendation of such supports/systems. Additional support must be added to compensate for the weight of the liquid/grease when in the flowing mode or static mode.



OPTIONS:		ADD
-AC	Aluminum Cover on Interceptor	POA
-ACC	Aluminum Cover on Cradle	POA
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add
	With Bronze Line Shut-off Valve	POA



Side View
Fig. 8335GT Shown

△NOTE: When tile top is specified, add 1". When Terrazzo top is specified, add 1 1/4".

FIGURE NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	LINE SHUT-OFF VALVE H	CRADLE DIM.					†DUCO COAT INSIDE AND OUTSIDE	INTERC. *▲w/ARC IN OR OUT -ARIO	INTERC. *▲w/ARC IN AND OUT -ARIO	ADD FOR:		APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH			J △ MIN.	J △ MAX.	**K LENGTH	L WIDTH	M				▲-ARC (CRADLE)	DRIP PAN (-W)	
8307GT	7	14	02"	8 1/2"	3 1/2"	19"	12"	10 3/4"	2"	6 3/4"	8"	19"	38 1/4"	19 1/4"	12"	25,148.00	31,976.00	38,151.00	5,337.00	2,522.00	180
8310GT	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	6 3/4"	7"	18"	38 1/4"	19 1/4"	12"	29,499.00	36,462.00	42,767.00	5,337.00	2,576.00	215
8315GT	15	30	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	6 3/4"	8 1/2"	20 1/2"	42 3/4"	22 3/4"	13"	32,030.00	40,071.00	46,770.00	5,337.00	2,883.00	245
8320GT	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	10"	7 1/2"	19 1/2"	42 3/4"	22 3/4"	13"	37,283.00	46,620.00	53,977.00	5,337.00	3,257.00	312
8325GT	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	10"	9 1/2"	21 1/2"	47 3/4"	25 3/4"	13"	41,165.00	50,875.00	58,748.00	7,710.00	3,685.00	386
8335GT	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	10"	8 3/4"	20 3/4"	47 3/4"	25 3/4"	13"	42,877.00	52,941.00	61,325.00	7,710.00	4,001.00	325
8350GT	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	10"	10 1/4"	19 1/4"	50 3/4"	28 1/4"	13"	46,831.00	57,398.00	66,543.00	7,710.00	4,540.00	362
8375GT	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	12 3/4"	16"	25"	66 1/2"	38 1/4"	13"	56,123.00	65,280.00	77,293.00	7,710.00	5,830.00	419

*Acid Resistant Coating on Interceptor only.

**When specifying a larger Inlet & Outlet size, the "K" dimension must be increased.

▲ When ARO or ARIO is specified, -ARC must also be specified.

REGULARLY FURNISHED: Fabricated Steel Interceptor and Receiving Cradle with Gray Duco Coating Inside and Outside with Steel Cone, Flexible Draw-off Hose and Cap, Line Shut-off Valve and Flow Control Fitting.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

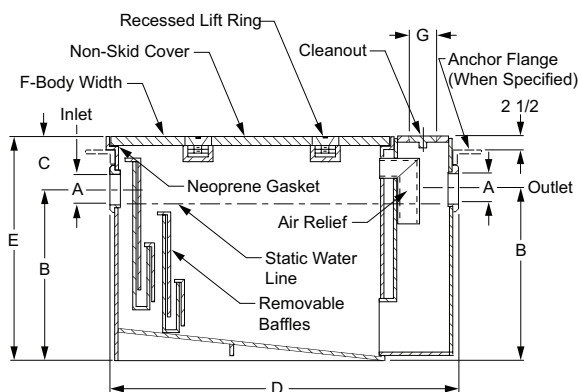
*REGULARLY FURNISHED



OPTIONS:		ADD
-AC	Aluminum Cover on Interceptor	POA
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add
	Inlet & Outlet, One Size Larger	1,092.00



▲ Fig. 8450 and 8460 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.



Side View
Fig. 8450 Shown

FIG. NO.	GPM FLOW RATE	MIN. GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	DUCO COAT	ADD FOR:				APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH			H2O COVER	ANCHOR FLANGE (-F)	FLASHING FLANGE AND CLAMP (-FC)	SEDIMENT BKT (-B)	
▲8450	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	43,031.00	13,670.00	3,143.00	5,701.00	5,304.00	570
▲8460	100	200	04"	27"	16 1/2"	54"	43 1/2"	33 1/2"	3"	48,415.00	18,812.00	3,511.00	6,380.00	5,789.00	725
8465	150	300	05"	33"	17 1/2"	60 3/4"	50 1/2"	38 1/2"	4"	53,780.00	24,153.00	4,902.00	7,904.00	6,076.00	1,000
8470	200	400	05"	37"	17 1/2"	67 3/4"	54 1/2"	43 1/2"	4"	77,990.00	27,550.00	5,261.00	9,230.00	6,381.00	1,430
8475	250	500	05"	40"	18"	73 3/4"	58"	47 1/2"	4"	90,804.00	38,030.00	7,006.00	12,450.00	6,736.00	1,650
8480	350	700	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	118,874.00	57,567.00	8,863.00	14,885.00	8,502.00	2,500
8490	500	1000	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	155,019.00	81,007.00	10,523.00	17,701.00	10,084.00	3,000

*Available with larger inlet and outlet when specified. See pricing above.

REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.

For after the fact extensions only

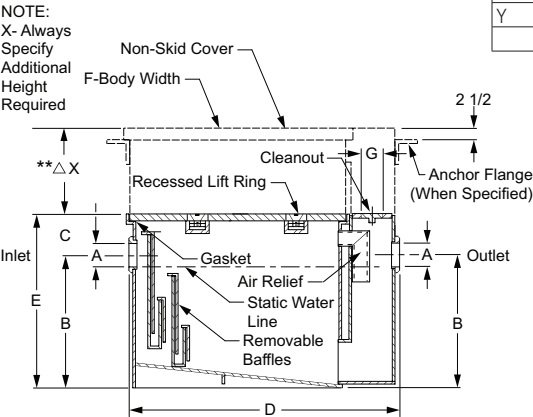
Extensions for these interceptors (**after the fact**) will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

INTERCEPTORS

FIG. 8400E SERIES LARGE CAPACITY STEEL GREASE INTERCEPTORS W/INTEGRAL EXTENSION



Side View
Fig. 8450E Shown

OPTIONS:		ADD
-AC	Aluminum Cover on Interceptor	POA
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add
	Inlet & Outlet, One Size Larger	1,092.00



▲ Fig. 8450E and 8460E carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

FIG. NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	†Δ DUCO COAT w/ UP TO 10" EXT.	ADD FOR:					APPROX. WT. LBS.
				B	C	D	E HEIGHT	F WIDTH			**EACH ADD'L 1" OF EXT.	H2O COVER	ANCHOR FLANGE (-F)	FLASHING FLANGE AND CLAMP (-FC)	SEDIMENT BKT (-B)	
▲8450E	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	48,139.00	406.00	13,670.00	3,143.00	5,701.00	5,304.00	675
▲8460E	100	200	04"	27"	16 1/2"	54"	43 1/2"	33 1/2"	3"	54,159.00	429.00	18,812.00	3,511.00	6,380.00	5,789.00	870
8465E	150	300	05"	33"	17 1/2"	60 3/4"	50 1/2"	38 1/2"	4"	60,162.00	492.00	24,153.00	4,902.00	7,904.00	6,076.00	1,200
8470E	200	400	05"	37"	17 1/2"	67 3/4"	54 1/2"	43 1/2"	4"	89,485.00	512.00	27,550.00	5,261.00	9,230.00	6,381.00	1,630
8475E	250	500	05"	40"	18"	73 3/4"	58"	47 1/2"	4"	105,087.00	563.00	38,030.00	7,006.00	12,450.00	6,736.00	1,875
8480E	350	700	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	138,702.00	710.00	57,567.00	8,863.00	14,885.00	8,502.00	2,750
8490E	500	1000	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	184,818.00	853.00	81,007.00	10,523.00	17,701.00	10,084.00	3,250

*Available with larger inlet and outlet when specified. See pricing above.

Δ Specify Extension Height when ordering, measuring from top of interceptor to top of extension.

** For any fraction of an inch, go to next inch for pricing. (Example: 11 1/2", price for 12")

If Extension **exceeds 10"** and/or **interceptor requires a different cover**, contact Sales Engineering to see if reinforcement is needed. Additional charges will apply.

Extensions for these interceptors **(after the fact)** will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

2" minimum extension available. Anchor flange & flashing clamp not available on less than 4" extension.

REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting. Extension Height as Specified.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

*REGULARLY FURNISHED

INTERCEPTORS

FIG. 8510, 8510E SERIES STEEL OIL INTERCEPTORS



OPTIONS:		ADD
Y	No-Hub Adaptor (4 req'd)	See Fig. 2646Y for list add
	*Inlet & Outlet, One Size Larger	N/C
	02"-04"	2,847.00
	03"-05"	7,152.00

If purchasing the extension alone, contact engineering to determine if cover is also needed:		LIST
8510E06		7,151.00
8515E06		7,356.00
8520E06		7,356.00
8525E06		7,835.00
8535E06		8,785.00
8550E06		9,500.00

NOTE: 2" must be added to dimensions D & F when extension is specified for clearance of extension clamps.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: Interceptor shall be vented on outlet side per local code requirements.

NOTE: 2" minimum extension available. Anchor flange & flashing clamp not available on less than 4" extension.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

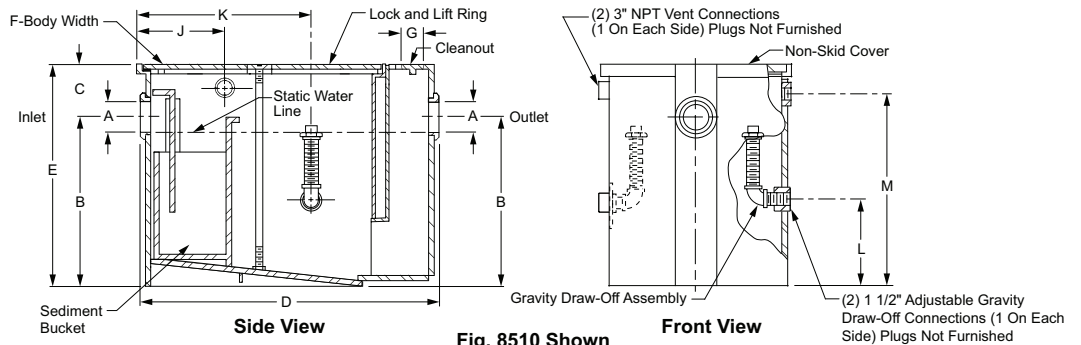


Fig. 8510 Shown

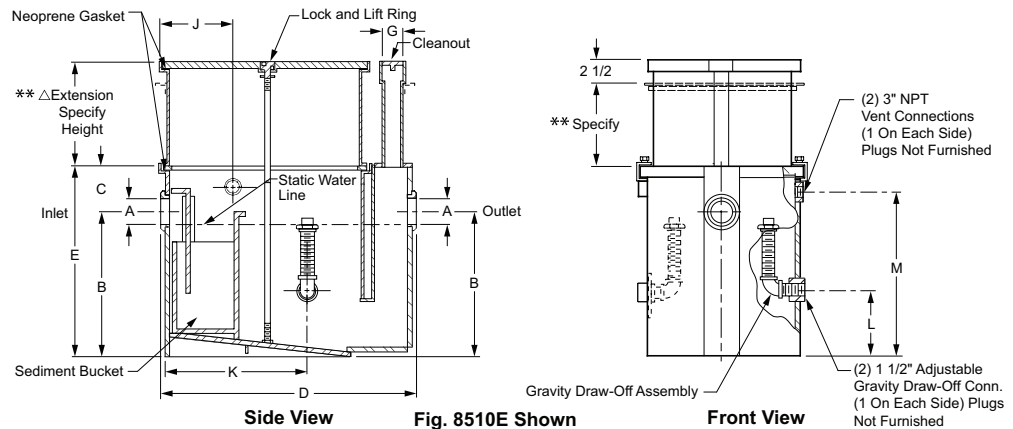


Fig. 8510E Shown

FIG. NO.	GPM FLOW RATE	INLET & OUTLET SIZE A*	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	J	K	L	M	+STEEL DUCO COATED	INTERC. Δ WITH 4 TO 6" EXT (-E) DUCO COATED	ADD FOR:						APPROX. WT. LBS.
			B	C	D	E HEIGHT	F WIDTH								**EA 1" EXT OVER 6"	ANCHOR FLANGE (-F) (w/EXT ONLY)	FLANGE AND FLASH CLAMP (-FC) (w/EXT ONLY)	H2O COVER	ALUM COVER (-AC)		
8510	10	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	11 1/2"	2"	9 1/2"	12"	4"	9 3/4"	9,448.00	16,599.00	356.00	2,231.00	2,685.00	9,306.00	2,115.00	100	
8515	15	02"	12"	3 1/2"	25"	15 1/2"	13 1/2"	2"	10 1/4"	14 1/4"	5 3/4"	12"	12,538.00	19,894.00	406.00	2,231.00	2,685.00	10,008.00	2,115.00	110	
8520	20	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	12"	16 1/2"	4 1/2"	13 1/2"	14,725.00	22,081.00	449.00	2,408.00	2,862.00	10,597.00	2,963.00	125	
8525	25	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	12 3/4"	18 3/4"	6 1/4"	16 1/4"	16,326.00	24,162.00	512.00	2,508.00	2,994.00	11,187.00	2,963.00	145	
8535	35	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	14 1/2"	21 1/4"	7"	17 1/2"	19,612.00	28,397.00	563.00	2,630.00	3,117.00	12,361.00	2,963.00	175	
8550	50	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	16"	22"	7 1/2"	20 3/4"	26,443.00	35,940.00	656.00	2,685.00	3,533.00	12,950.00	2,963.00	215	

* Available with larger inlet and outlet when specified. See pricing above.

Δ Specify Extension Height when ordering, measuring from top of interceptor to top of extension.

** For any fraction of an inch, go to next inch for pricing. (Example: 11 1/2", price for 12")

If Extension exceeds 10" and/or interceptor requires a different cover, contact Sales Eng. to see if reinforcement is needed. Additional charges will apply.

REGULARLY FURNISHED: Fig. 8510, Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.
Fig. 8510E, Steel Interceptor and Extension with Gray Duco Coating Inside and Outside and Flow Control Fitting.

*REGULARLY FURNISHED

INTERCEPTORS

FIG. 8560, 8560E SERIES LARGE CAPACITY STEEL OIL INTERCEPTORS



OPTIONS:		ADD
-AC	Aluminum Cover on Interceptor	POA
Y	No-Hub Adaptor (4 req'd)	See Fig. 2646Y for list add
*Inlet & Outlet, One Size Larger		1,092.00

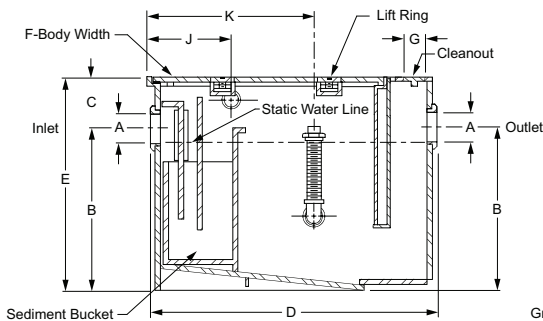


Fig. 8560

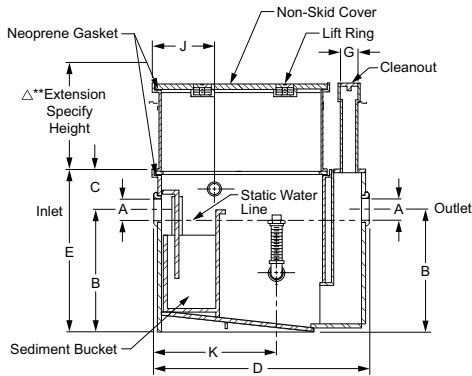
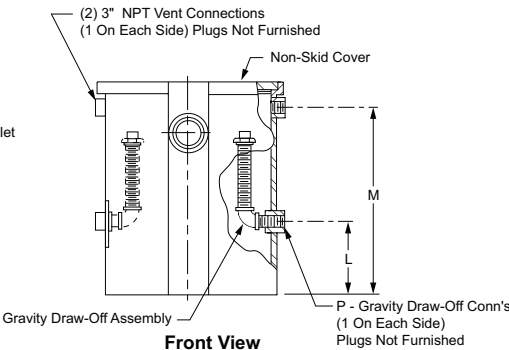


Fig. 8560E

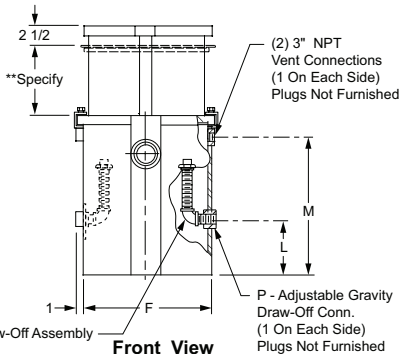


FIG. NO.	GPM FLOW RATE	INLET & OUTLET SIZE "A"	ROUGHING DIM.			BODY		C.O. PLUG SIZE G	J	K	L	M	DRAW-OFF P	†STEEL DUCO COATED	INTERC. Δ WITH UP TO 10" EXT. (-E)	ADD FOR:				APPROX. WT. LBS.
			B	C	D	E HEIGHT	F WIDTH									**EA 1" EXT. OVER 10"	H2O COVER	ANCHOR FLANGE (-F)	FLANGE AND FLASH CLAMP (-FC)	
8560	75	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	21"	28 1/4"	13"	32 3/4"	2"	48,596.00	53,704.00	406.00	13,670.00	3,143.00	5,701.00	610
8565	100	04"	27"	16 1/2"	54"	43 1/2"	33 1/2"	3"	23"	30 1/4"	18 1/2"	39 1/4"	2"	54,476.00	60,220.00	429.00	18,812.00	3,511.00	6,380.00	775
8570	150	05"	33"	17 1/2"	60 3/4"	50 1/2"	38 1/2"	4"	25 1/2"	34 1/4"	23 1/2"	46 1/4"	2 1/2"	60,124.00	66,506.00	492.00	24,153.00	4,902.00	7,904.00	1,000
8575	200	05"	37"	17 1/2"	67 3/4"	54 1/2"	43 1/2"	4"	29"	38 1/4"	27 1/2"	50 1/4"	2 1/2"	84,643.00	96,138.00	512.00	27,550.00	5,261.00	9,230.00	1,310
8580	250	05"	40"	18"	73 3/4"	58"	47 1/2"	4"	32"	42 1/4"	30 1/2"	53 3/4"	2 1/2"	97,811.00	112,096.00	563.00	38,030.00	7,006.00	12,450.00	1,680
8585	350	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	38"	50 1/4"	34"	57 1/4"	2 1/2"	127,647.00	147,476.00	710.00	57,567.00	8,863.00	14,885.00	2,449
8590	500	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	46"	62 1/4"	38"	61 3/4"	2 1/2"	165,374.00	195,173.00	853.00	81,007.00	10,523.00	17,701.00	2,900

* Available with larger inlet and outlet when specified. See pricing above or contact the factory.
Δ Specify Extension Height when ordering, measuring from top of interceptor to top of extension.
Extension Regularly Furnished integrally.
** For any fraction of an inch, go to next inch for pricing. (Example: 11 1/2", price for 12")
If Extension **exceeds 10" and/or interceptor requires a different cover**, contact Sales Engineering to see if reinforcement is needed. Additional charges will apply.
Extensions for these interceptors **(after the fact)** will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

REGULARLY FURNISHED: Fig. 8560, Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting. Fig. 8560-E, Steel Interceptor and Extension with Gray Duco Coating Inside and Outside and Flow Control Fitting.

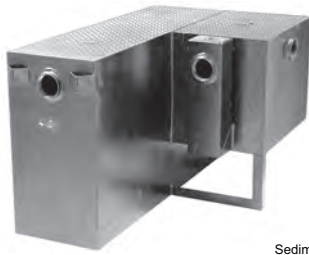
NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: Interceptor shall be vented on outlet side per local code requirements.

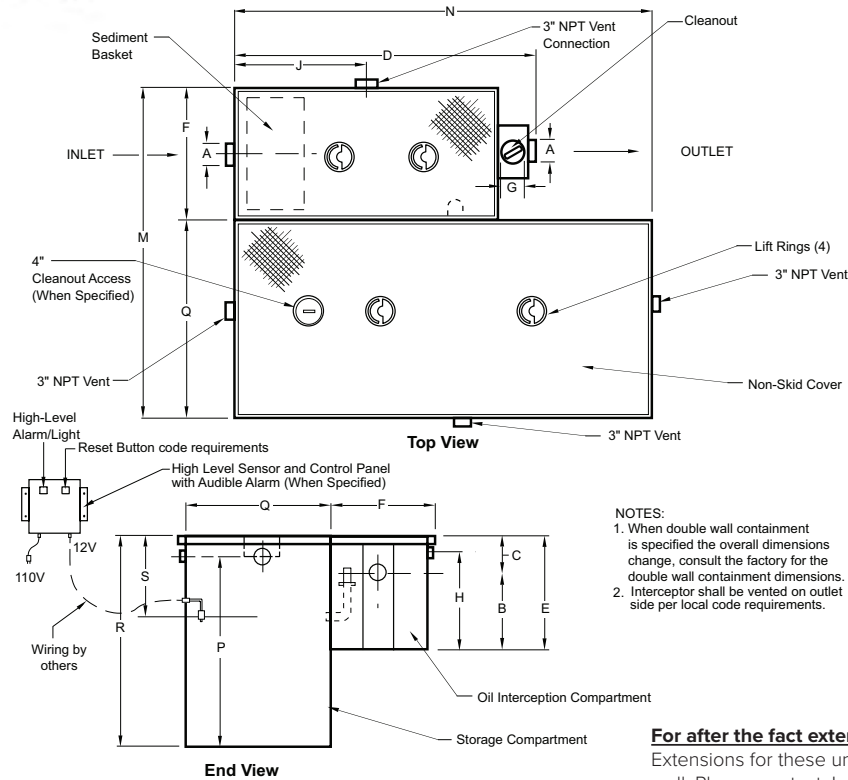
NOTE: 2" minimum extension available. Anchor flange & flashing clamp not available on less than 4" extension.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

†REGULARLY FURNISHED



OPTIONS:		ADD
-CBS	High Level Sensor and Control Panel	POA
-DWC	Double Wall Containment (Note 1)	POA
-H2O	Traffic Rated Cover	POA
	4" Cleanout Access	POA

**For after the fact extensions (Storage Tank only)**

Extensions for these units (after the fact) will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

MODEL NUMBER	OIL INTERCEPTOR COMPARTMENT										STORAGE TANK COMPARTMENT								FAB STEEL COAL TAR IN & OUT	APPROX. WT. LBS.
	GPM	*A	B	C	D	E	F	G	H	J	GALS. CAP.	M	N	P	Q	R	S			
*8599-10-5	10	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	9 3/4"	9 1/2"	5	24"	21 1/4"	10 1/4"	11"	13 1/4"	9 1/4"	POA	120△	
8599-10-50	10	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	9 3/4"	9 1/2"	50	25"	30"	50 3/4"	12"	55"	9 1/4"	POA	400△	
8599-15-50	15	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	12"	10 1/4"	50	26"	30"	50 3/4"	12"	55"	9 3/4"	POA	415△	
8599-20-50	20	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	13 1/2"	12"	50	27 3/4"	30"	50 3/4"	12"	55"	12 1/2"	POA	430△	
8599-25-100	25	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	16 1/4"	12 3/4"	100	31 3/4"	50 3/4"	56 3/4"	15"	61"	13 1/2"	POA	700△	
8599-35-100	35	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	17 1/2"	14 1/2"	100	33 1/4"	50 3/4"	56 3/4"	15"	61"	14"	POA	725△	
8599-50-100	50	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	20 3/4"	16"	100	36 1/4"	50 3/4"	56 3/4"	15"	61"	16 3/4"	POA	750△	
8599-75-100	75	04"	21 1/2"	15 1/2"	50 3/4"	37"	30 1/2"	3"	32 3/4"	21"	100	45 1/2"	50 3/4"	56 3/4"	15"	61"	24"	POA	850△	
8599-100-250	100	04"	27"	16 1/2"	54 3/4"	43 1/2"	33 1/2"	3"	39 1/4"	23"	250	58 1/2"	60 3/4"	60 3/4"	25"	65"	25"	POA	1950△	
8599-150-250	150	05"	33"	17 1/2"	60 3/4"	50 1/2"	38 1/2"	4"	46 1/4"	25 1/2"	250	63 1/2"	60 3/4"	60 3/4"	25"	65"	27"	POA	2026△	
8599-200-250	200	05"	37"	17 1/2"	67 3/4"	54 1/2"	43 1/2"	4"	50 1/4"	29"	250	68 1/2"	60 3/4"	60 3/4"	25"	65"	27"	POA	2200△	
8599-250-500	250	05"	40"	18"	73 3/4"	58"	47 1/2"	4"	53 3/4"	32"	500	79 1/2"	90 3/4"	71 3/4"	32"	76"	27 1/2"	POA	3700△	
8599-300-500	300	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	57 1/4"	38"	500	86 1/2"	90 3/4"	71 3/4"	32"	76"	27 1/2"	POA	4000△	
8599-350-500	350	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	57 1/4"	38"	500	86 1/2"	90 3/4"	71 3/4"	32"	76"	27 1/2"	POA	4200△	
8599-400-500	400	06"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	57 1/4"	38"	500	86 1/2"	90 3/4"	71 3/4"	32"	76"	27 1/2"	POA	4400△	
8599-450-500	450	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	61 3/4"	46"	500	96 1/2"	90 3/4"	71 3/4"	32"	76"	28"	POA	4600△	
8599-500-750	500	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	61 3/4"	46"	750	99 1/2"	103 1/4"	83 3/4"	35"	88"	28"	POA	5100△	

* Available w/larger inlet & outlet when specified. Contact the factory for pricing.
 △ Additional shipping charges may apply. Contact our shipping department.

*Recommended for Elevator Pits.

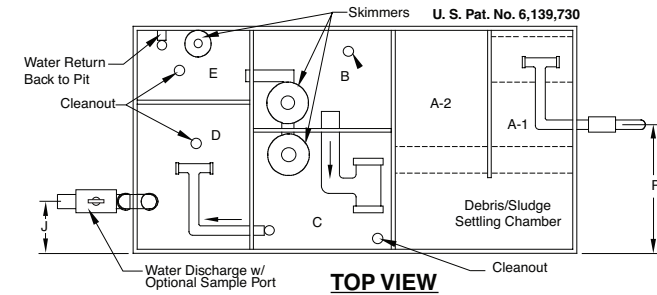
REGULARLY FURNISHED: Fabricated Steel with Diamond Plate Cover, Sediment Basket, Coal Tar Epoxy Inside and Outside, Complete with Flow Control Fitting.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**



FIGURE NO.		FIGURE NO.	
8602-S	POA	8610-S	POA
8602-M	POA	8610-M	POA
8605-S	POA	8625-S	POA
8605-M	POA	8625-M	POA
		8645-S	POA
		8645-M	POA

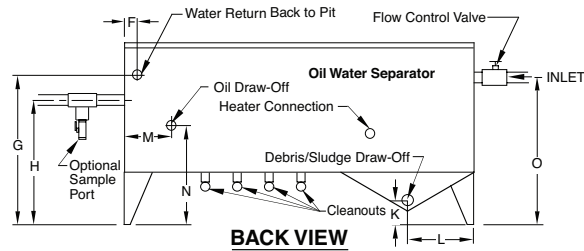
FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE



Model	Construction Material	Flow Rate GPM	Inlet	Outlet	Water Return	Sludge Draw-Off	Oil Outlet	Waste Oil Cap	Length	Width	Height	Weight	Water Volume
8602	S.M	2	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	4 gal	36"	24"	36"	150 lbs	67 gal
8605	S.M	5	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	12 gal	60"	36"	36"	600 lbs	168 gal

S = Stainless Steel M = Mild Steel

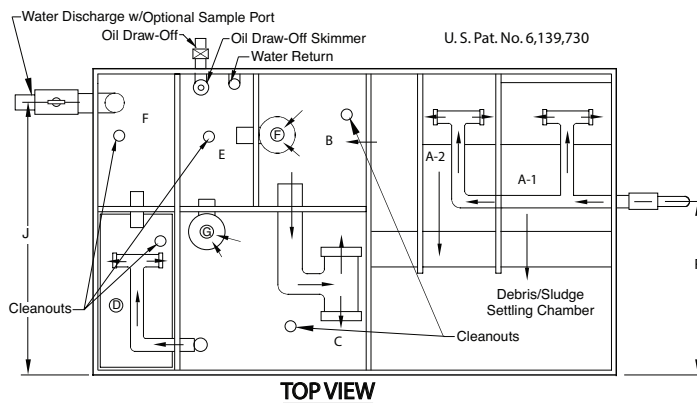
Model	F	G	H	J	K	L	M	N	O	P	Q
8602	4.00	31.00	28.5	10.00	12.00	6.32	8.00	24.56	34.25	21.00	12"
8605	5.125	25.7	25.7	2.5	4.47	12.07	12.00	16.7	33.32	18.00	45"



All Cleanouts and Water Return Lines are to be plumbed to a common 3" Line that goes back to Surge Pit. All external plumbing fittings are Sch. 40 PVC unless otherwise specified.

- A Inlet Compartment
- B Primary Skimming Compartment
- C Secondary Skimming Compartment
- D Final Polishing Compartment
- E Oil Collection Compartment
- F Water Return from Side
- G Water Return height from grade
- H Water Discharge height from grade
- J Water Discharge from side
- K Sludge draw-off height from grade
- L Sludge draw-off from side
- M Oil draw-off from side
- N Oil draw-off height from grade
- O Inlet height from grade
- P Inlet location from side
- Q Cubes (ft.)

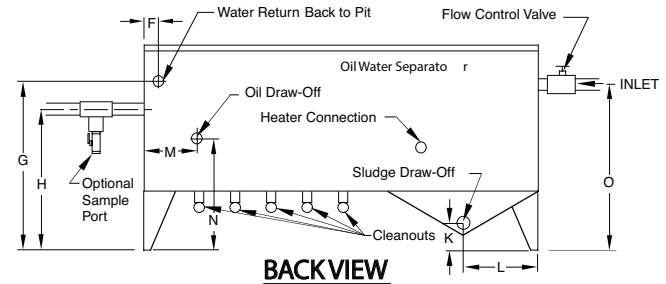
NOTE: Ultracept® units exposed to freezing temperatures may require pipe insulation to be installed on exposed plumbing. Pipe insulation is by others.



Model	Construction Material	Flow Rate GPM	Inlet	Outlet	Water Return	Sludge Draw-Off	Oil Outlet	Waste Oil Cap	Length	Width	Height	Weight	Water Volume
8610	S.M	10	2"	3"	1 1/2"	3"	1 1/2"	23 gal	72"	36"	48"	925 lbs	400 gal
8625	S.M	25	2"	3"	1 1/2"	3"	1 1/2"	29 gal	84"	48"	48"	1175 lbs	628 gal
8645	S.M	45	2"	3"	1 1/2"	3"	1 1/2"	35 gal	96"	48"	48"	1395 lbs	718 gal

S = Stainless Steel M = Mild Steel

Model	F	G	H	J	K	L	M	N	O	P	Q
8610	18.07	35.82	33.7	29.88	6.00	12.07	21.875	28.82	43.69	18.00	72
8625	18.99	31.70	33.70	6.00	6.00	18.07	23.875	21.70	43.57	24.00	112
8645	26.875	36.00	33.88	42.12	6.15	18.07	32.31	29.00	43.88	24.00	128



NOTE: Ultracept® units exposed to freezing temperatures may require pipe insulation to be installed on exposed plumbing. Pipe insulation is by others.

- A Inlet Compartment
- B Primary Skimming Compartment
- C Secondary Skimming Compartment
- D Final Polishing Compartment
- E Oil Collection Compartment
- F Water Return from Side
- G Water Return height from grade
- H Water Discharge height from grade
- J Water Discharge from side
- K Sludge draw-off height from grade
- L Sludge draw-off from side
- M Oil draw-off from side
- N Oil draw-off height from grade
- O Inlet height from grade
- P Inlet location from side
- Q Cubes (ft.)

All Cleanouts and Water Return Lines are to be plumbed to a common 3" Line that goes back to Surge Pit. All external plumbing fittings are Sch. 40 PVC unless otherwise specified.

Industrial type facilities suffer from oily waste water problems from time to time. Federal and local regulations require that this waste water must be treated before it can be discharged into municipal sewers or subsurface waters.

The Ultracept Oil/ Water Separator by Jay R. Smith Mfg. Co. is designed to accomplish this task through a continuous skimming technique. The patented design uses the cohesive property of water and a multi-stage separation process to achieve high separation efficiency.

The Ultracept Oil/Water Separator is designed to be installed so that contaminated water is pumped from a surge pit into the Ultracept unit. The separator, having been filled with clean water prior to the startup, then uses the surface tension of the clean water to promote and enhance waster separation.

The water then travels through a series of chambers for gravity discharge to a sanitary sewer or to a recycling system.

Features and Benefits:

- Available in stainless steel and epoxy coated steel
- Regularly furnished with a flow control valve and all required plumbing components
- Simple, above ground installation
- Low maintenance, no coalescing packs
- Meets discharge regulations
- All units come in either stainless steel (S) or Mild steel (M)
- All units have 1-1/2" water return and 1 1/2" oil outlet

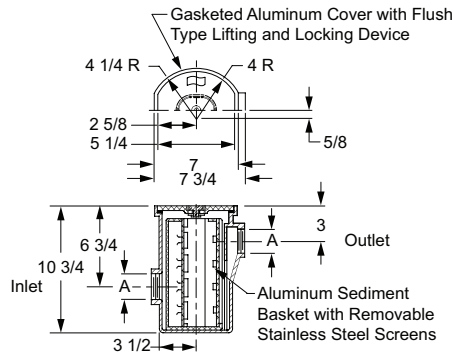


Fig. 8710

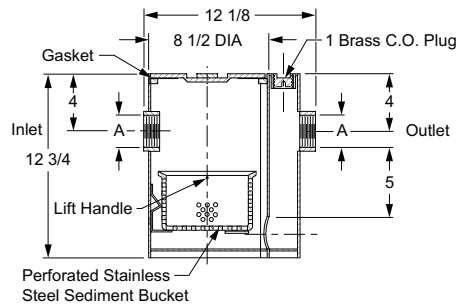


Fig. 8714

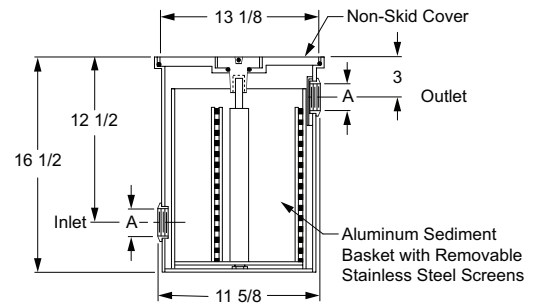


Fig. 8715

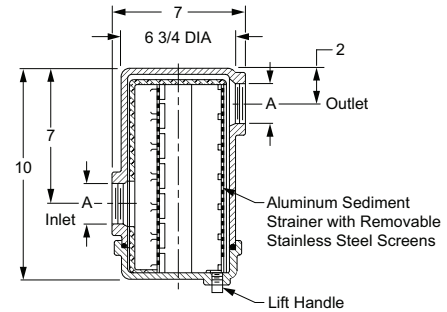


Fig. 8730

FLUSH WITH FLOOR OR ON-THE-FLOOR TYPE						
FIGURE NO.	INLET & OUTLET SIZE	†DUCO CI	w/ARC IN (ARI) OR OUT(ARO)	w/ARC IN & OUT(ARIO)	w/ALUM BODY (-AA)	APPROX. WT. LBS.
8710	0150 or 02"	3,435.00	3,672.00	3,672.00	3,121.00	25
8714	0150 or 02"	3,435.00	3,672.00	3,672.00	—	43
8715	0150 or 02"	7,761.00	12,036.00	12,036.00	—	140
SUSPEND TYPE						
8730-CI	0150 or 02"	3,435.00	3,672.00	3,672.00	3,121.00	20

REGULARLY FURNISHED:

Fig. 8710 White Duco Coated Cast Iron Body with Aluminum Gasketed Cover and Sediment Strainer with Removable Stainless Steel Screens.

Fig. 8714, Fabricated Steel Body with Galvanized Sub-Coat with White Duco Finish Inside and Outside, Stainless Steel Perforated Bucket and Aluminum Cover.

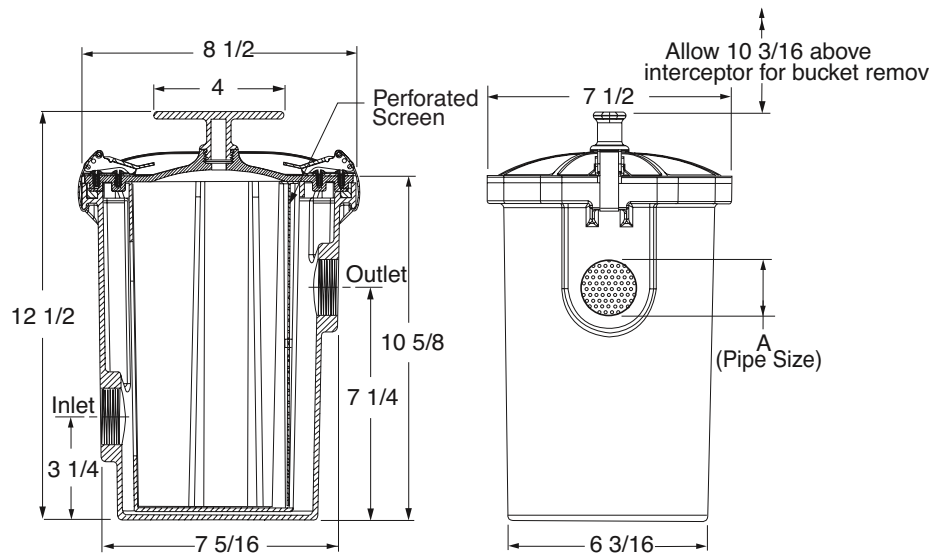
Fig. 8715 Fabricated Steel Body with Galvanized Sub-Coat with White Duco Finish Inside and Outside, Sediment Strainer with Removable Stainless Steel Screens and Cast Iron Cover.

Fig. 8730, White Duco Coated Cast Iron Body and Aluminum Strainer with Removable Stainless Steel Screens.

NOTE:

8710: Allow 9 1/4" above interceptor for removal of strainer.
8714: Allow 4 1/2" above interceptor for removal of strainer.
8715: Allow 14 1/2" above interceptor for removal of strainer.
8730: Allow 8 1/2" above interceptor for removal of strainer.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.



TYPICAL INSTALLATION

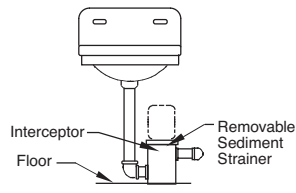
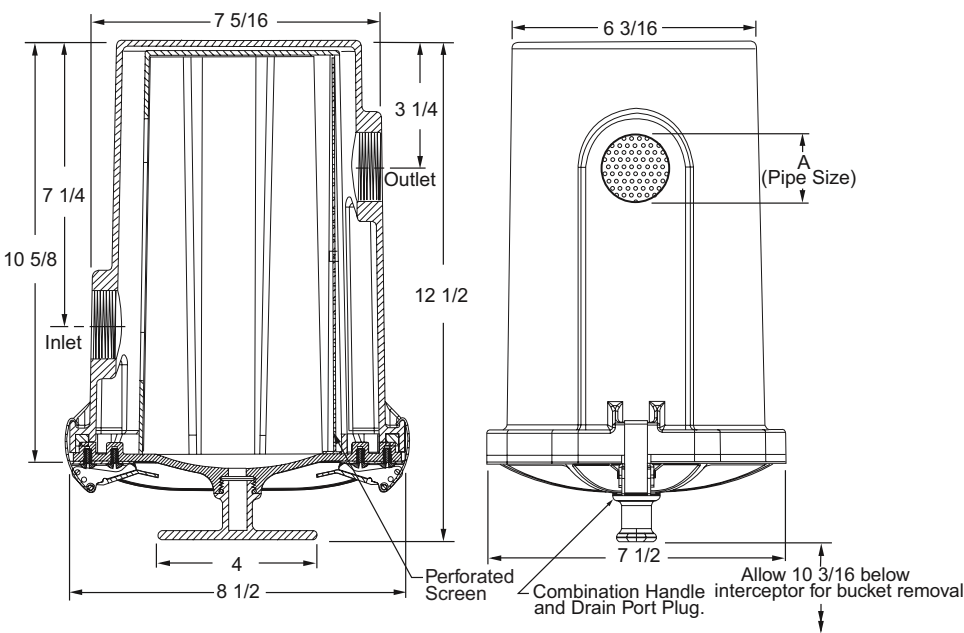


FIGURE NO.	INLET & OUTLET SIZE A	PRICE	APPROX. WEIGHT LBS.
8710-ABS	0150" or 02"	2,224.00	4

REGULARLY FURNISHED: All ABS White Body, Gasketed Cover with Stainless Steel Latches and Removeable Sediment Bucket with Removeable 3/32 Diameter Perforated Screen.



TYPICAL INSTALLATION

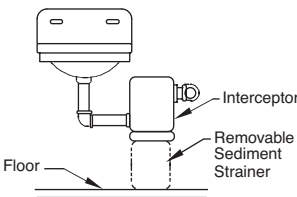


FIGURE NO.	INLET & OUTLET SIZE A	PRICE	APPROX. WEIGHT LBS.
8730-ABS	0150" or 02"	2,224.00	4

REGULARLY FURNISHED: All White ABS Body, Gasketed Cover with Stainless Steel Latch and Removeable Sediment Bucket with Removeable 3/32 Diameter Perforated Screen.

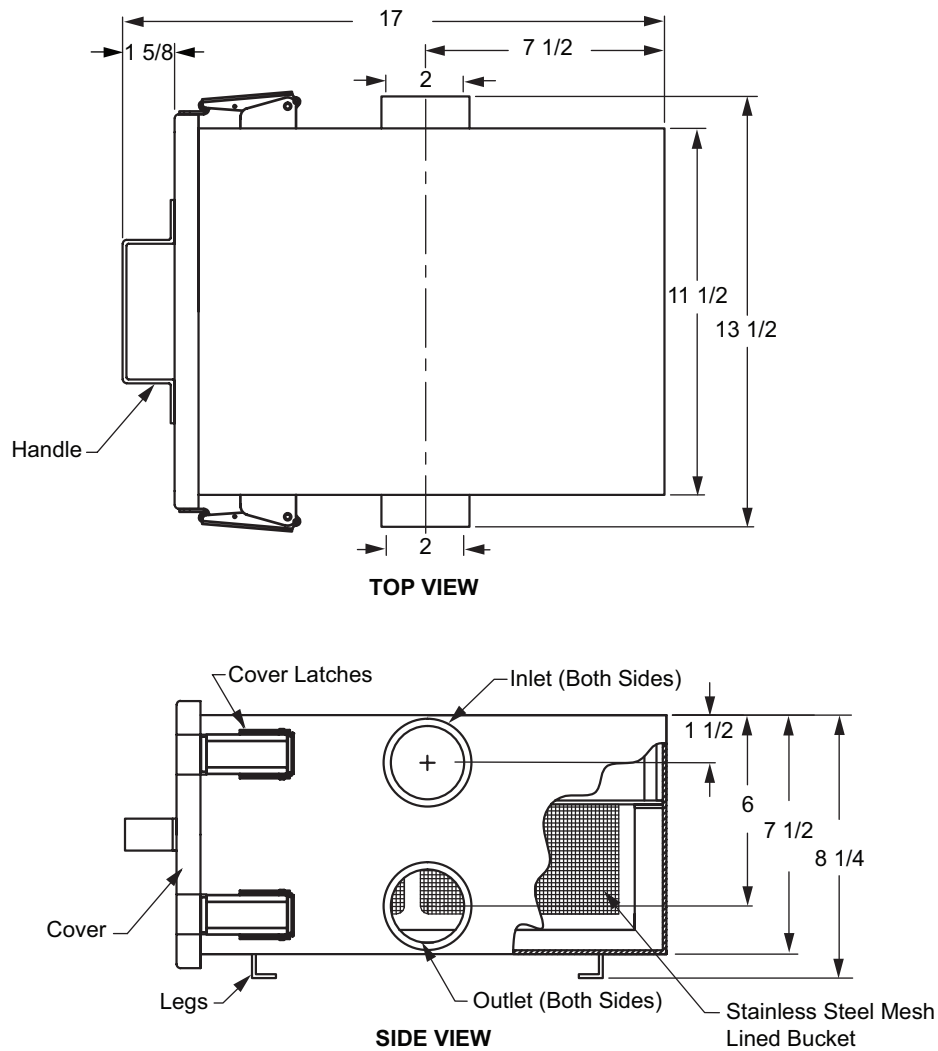


FIGURE NO.	GPM FLOW RATE	INLET & OUTLET SIZE	*FAB STAINLESS STEEL (304)
8738	35	02"	POA

REGULARLY FURNISHED: Fabricated Type 304 Stainless Steel Solids Interceptor with Dual High Inlet and Dual Low Outlet, Mesh Lined Basket and Gasketed Locking Cover.

OPTIONS:	ADD
Replacement SS Sediment Retainer (with purchase of Interceptor)	442.00

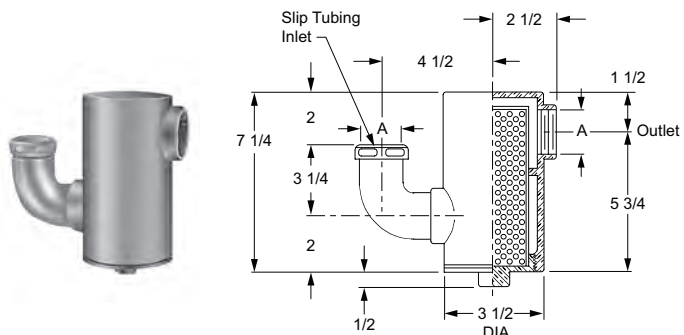


Fig. 8750

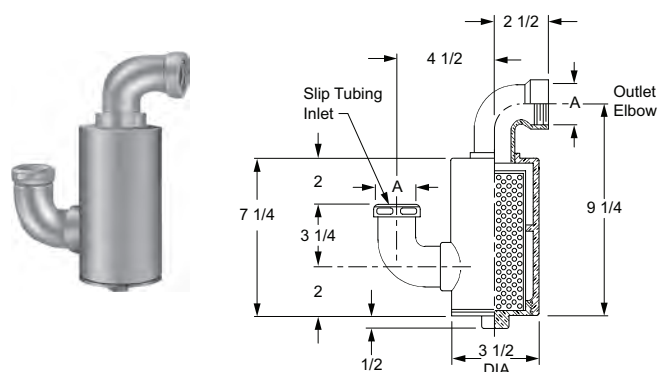


Fig. 8760

FIGURE NO.	INLET & OUTLET SIZE A	*CHROME PLATED BRONZE	POLISHED BRONZE (-PB)	CHROME PLATED CAST IRON (-CPCI)	DUCCO CAST IRON (-CI)	APPROX. WEIGHT LBS.
8750	0125 or 0150"	3,607.00	2,701.00	2,373.00	1,470.00	6
WITH TOP OUTLET ELBOW						
8760	0125 or 0150"	4,277.00	3,267.00	3,070.00	2,070.00	9

NOTE: Allow 7" below interceptor for removal of basket.

NOTE: Chrome plated cast iron interceptor recommended for beauty shops.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

REGULARLY FURNISHED: Chrome Plated Bronze Body, Gasketed Cover and Slip-Type Inlet Elbow with Perforated Stainless Steel Basket.

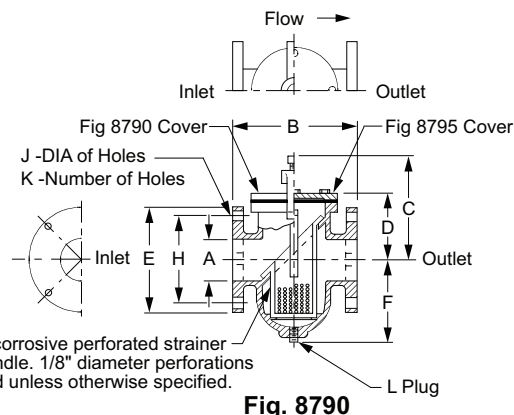
FIG. 8790, FIG. 8795 BASKET STRAINER SOLIDS INTERCEPTORS SUSPENDED TYPE



Fig. 8790



Fig. 8795



Removable, non-corrosive perforated strainer basket with lift handle. 1/8" diameter perforations regularly furnished unless otherwise specified.

Fig. 8790

FIGURE 8790 WITH YOKE TYPE COVER, FIGURE 8795 WITH BOLTED TYPE COVER												
A SIZE	B	C	D	E DIA.	F	H DIA.	J DIA.	K	L	*DUCCO CAST IRON	FOR EACH REPLACEMENT BASKET	APPROX. WEIGHT LBS.
02"	8 3/4"	7 3/4"	4 1/2"	6"	5 1/2"	4 3/4"	3/4"	4	3/4"	4,840.00	2,379.00	35
0250"	8 3/4"	7 3/4"	4 3/4"	7"	5 1/2"	5 1/2"	3/4"	4	3/4"	5,169.00	2,379.00	40
03"	8 3/4"	7 1/4"	4 1/2"	7 1/2"	6"	6"	3/4"	4	3/4"	8,011.00	2,379.00	40
04"	11"	7 1/2"	5"	9"	7 3/4"	7 1/2"	3/4"	8	3/4"	11,178.00	3,115.00	60
05"	11"	8 1/4"	5 1/4"	10"	8 1/2"	8 1/2"	7/8"	8	1 1/4"	15,177.00	3,975.00	90
06"	15 1/4"	10 3/4"	6 1/2"	11"	12 3/4"	9 1/2"	7/8"	8	1 1/4"	18,965.00	4,932.00	130
08"	17"	11"	6 1/2"	13 1/2"	15 1/4"	11 3/4"	7/8"	8	1 1/4"	30,786.00	8,237.00	200
10"	21 1/2"	13"	8"	16"	17 1/2"	14 1/4"	1"	12	1 1/4"	56,840.00	11,569.00	330

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

REGULARLY FURNISHED: Duco Coated Body and Cover.



OPTIONS:		ADD
Y	No-Hub Adaptor (2 req'd)	See Fig. 2646Y for list add

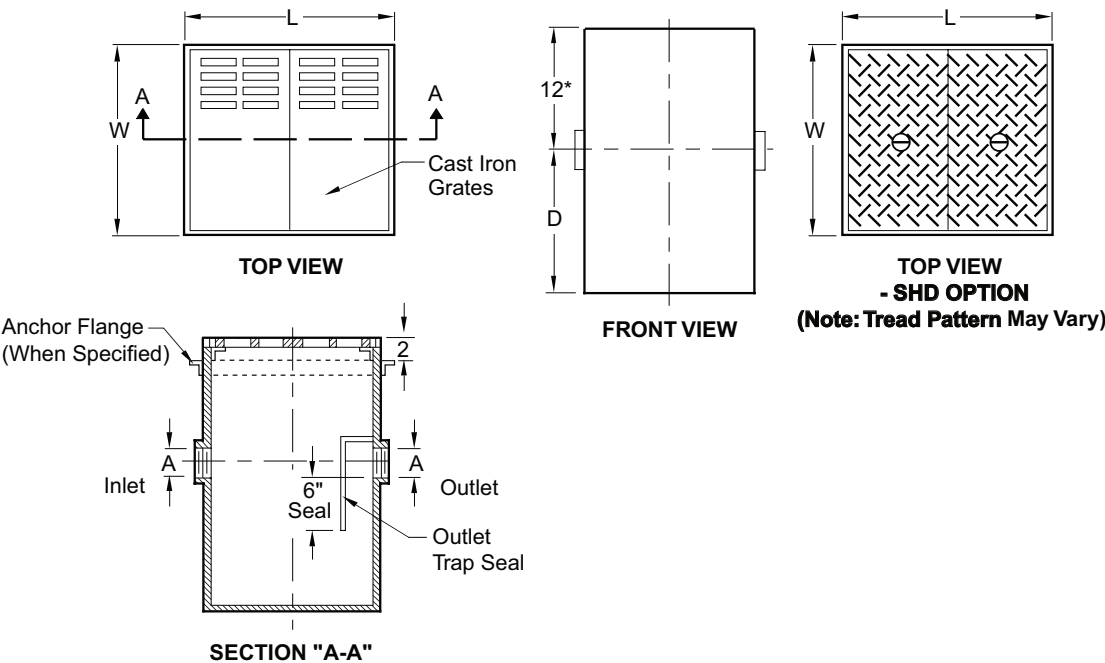


FIGURE NO.	GPM FLOW RATE	A PIPE SIZE	L	W	D	CAPACITY GALS	NO. OF 12" X 24" GRATES	*STEEL DUCO COATED	ADD FOR:						APPROX. WEIGHT LBS.
									EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	DUCTILE IRON GRATE (-M)	HEAVY DUTY DIA. PLT CVR (-SHD)	VANDAL PROOF (-U)	ANCHOR FLANGE (F)	
8811-20	20	04"	24 3/8"	24 3/8"	26"	60	2	POA	POA	POA	POA	POA	POA	POA	285
8811-50	50	04"	48 3/8"	24 3/8"	26"	120	4	POA	POA	POA	POA	POA	POA	POA	489
8811-150	150	04"	48 5/8"	49"	38"	360	8	POA	POA	POA	POA	POA	POA	POA	1,495
8811-250	250	06"	72 5/8"	49"	39"	540	12	POA	POA	POA	POA	POA	POA	POA	1,960
8811-350	350	06"	96 5/8"	49"	45"	855	16	POA	POA	POA	POA	POA	POA	POA	2,750
8811-500	500	06"	120 5/8"	49"	51"	1200	20	POA	POA	POA	POA	POA	POA	POA	3,505

REGULARLY FURNISHED: Fabricated Steel Catch Basin, Gray Duco Coated Inside and Outside, Threaded Inlet and Outlet (with Outlet Trap Seal) and Cast Iron Grates.

NOTES: Interceptor shall be vented on outlet side per local code requirements.

It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.

*12" Regularly Furnished -Specify dimension if higher or lower is required.

When specifying H2O Ductile Iron Slotted Grates, additional supports are furnished under each grate.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**



OPTIONS:		ADD
-SS	All Stainless Steel	POA
Y	No-Hub Adaptor (4 req'd)	See Fig. 2646Y for list add

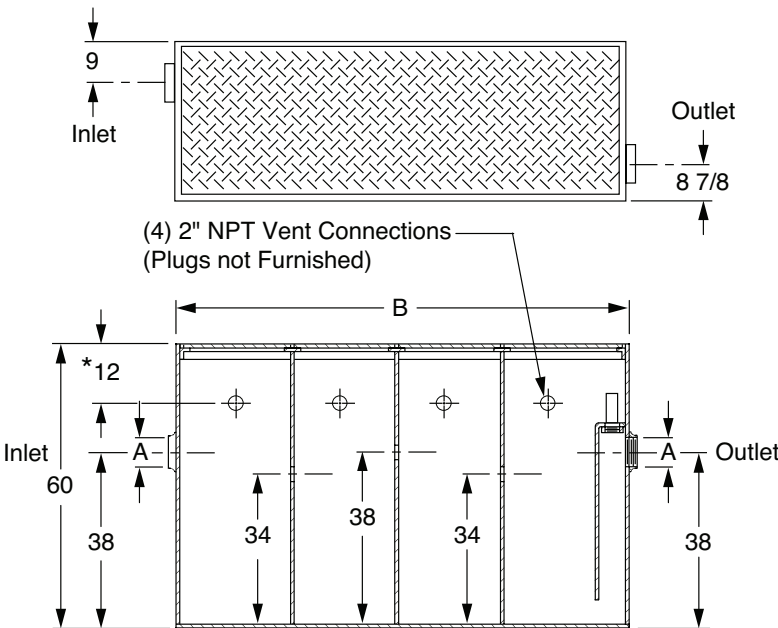


FIGURE NO.	SIZE (GALLONS)	CUBIC FEET	A PIPE SIZE	WIDTH	B LENGTH	*STEEL COAL TAR EPOXY COATED	ADD FOR:				APPROX. WEIGHT LBS.
							EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	EXTRA HEAVY DUTY REINF. COVER (-XHD),(-H20)	ANCHOR FLANGE (-F)	
8817-300	300	43	04" NPT	36"	60"	POA	POA	POA	POA	POA	1,600
8817-400	400	54	04" NPT	36"	72"	POA	POA	POA	POA	POA	1,750
8817-500	500	72	04" NPT	36"	96"	POA	POA	POA	POA	POA	2,100
8817-600	600	81	04" NPT	36"	108"	POA	POA	POA	POA	POA	2,500
8817-700	700	90	04" NPT	36"	120"	POA	POA	POA	POA	POA	2,700
8817-800	800	108	04" NPT	36"	144"	POA	POA	POA	POA	POA	3,000
8817-1000	1000	135	04" NPT	36"	180"	POA	POA	POA	POA	POA	3,640

REGULARLY FURNISHED: Coal Tar Epoxy Coated Fabricated Steel Body and Non-Skid Cover.

*12" Regularly Furnished -Specify dimension if higher or lower is required.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

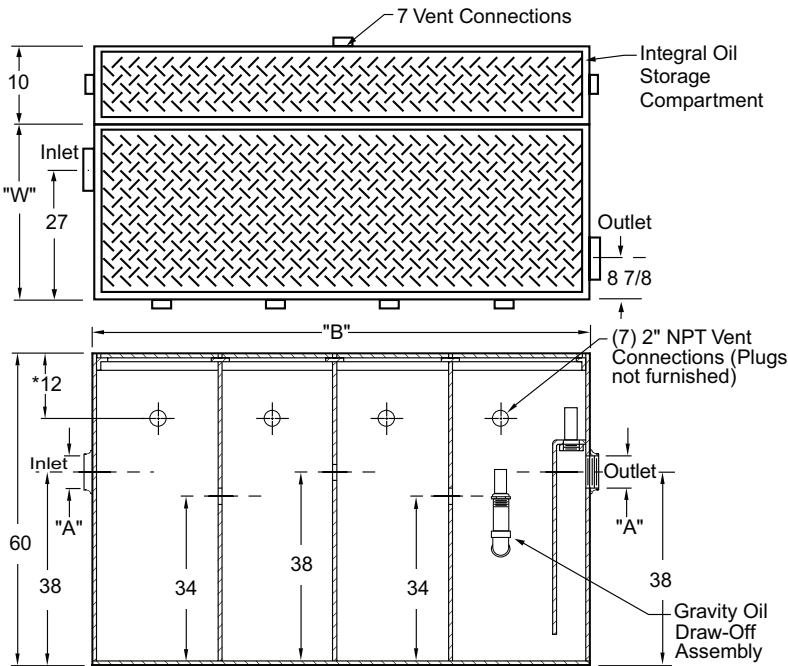
NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

NOTE: If the XHD/H20 cover is required and the extension exceeds 10", please contact Sales Engineering. Additional charges may apply.

For after the fact extensions only
Extensions for these units (after the fact) will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.



OPTIONS:		ADD
-SS	All Stainless Steel	POA
Y	No-Hub Adaptor (4 req'd)	See Fig. 2646Y for list add



*12" Regularly Furnished -Specify dimension if higher or lower is required.

NOTE: It is the responsibility of the installer to check all parts (internal & external) to verify they are in their proper operating order & locations.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

For after the fact extensions only
Extensions for these units (after the fact) will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

FIGURE NO.	SIZE (GALLONS)	CUBIC FEET	A PIPE SIZE	W WIDTH	B LENGTH	1STEEL ARC COATED	ADD FOR:					GALLONS OIL STORAGE COMPARTMENT
							EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	EXTRA HEAVY DUTY REINF. COVER (-XHD)	ANCHOR FLANGE (-F)	ANCHOR FLANGE & CLAMP (-FC)	
8818-300	300	43	04" NPT	36"	60"	POA	POA	POA	POA	POA	POA	50
8818-400	400	54	04" NPT	36"	72"	POA	POA	POA	POA	POA	POA	50
8818-500	500	72	06" NPT	36"	96"	POA	POA	POA	POA	POA	POA	100
8818-600	600	81	06" NPT	36"	108"	POA	POA	POA	POA	POA	POA	100
8818-700	700	90	06" NPT	36"	120"	POA	POA	POA	POA	POA	POA	125
8818-800	800	108	06" NPT	36"	144"	POA	POA	POA	POA	POA	POA	150
8818-1000	1000	135	06" NPT	36"	180"	POA	POA	POA	POA	POA	POA	150

REGULARLY FURNISHED: Coal Tar Epoxy Coated Fabricated Steel Interceptor, Integral Oil Storage Compartment, Oil Draw-Off and Diamond Plated Secured Covers.



FIG. NO.	GPM	†FABRICATED STEEL	UNIT w/ARIO	EXT. (-E) UP TO 6"	EXT. PER 1" OVER 6"	EXT. (-E) UP TO 6" w/ARIO	EXT. PER 1" OVER w/ARIO
8870Y02	4	POA	POA	POA	POA	POA	POA
8871Y02	7	POA	POA	POA	POA	POA	POA
8872Y02	10	POA	POA	POA	POA	POA	POA
8873Y02	15	POA	POA	POA	POA	POA	POA
8874Y03	20	POA	POA	POA	POA	POA	POA
8875Y03	25	POA	POA	POA	POA	POA	POA
8876Y03	35	POA	POA	POA	POA	POA	POA
8877Y03	50	POA	POA	POA	POA	POA	POA
8878Y04	75	POA	POA	POA	POA	POA	POA
8879Y04	100	POA	POA	POA	POA	POA	POA

Y † No-Hub Inlet/Outlet

FIG. 8870-34 SERIES SOLIDS INTERCEPTOR WITH GASKETED RECESSED COVER



Fig. No.	GPM	Inlet & Outlet Size	†ARC Fabricated Steel	H2O Cover
8870Y02-34	4	2	POA	POA
8871Y02-34	7	2	POA	POA
8872Y02-34	10	2	POA	POA
8873Y02-34	15	2	POA	POA
8874Y03-34	20	2	POA	POA
8875Y03-34	25	3	POA	POA
8876Y03-34	35	3	POA	POA
8877Y03-34	50	3	POA	POA
8878Y04-34	75	4	POA	POA
8879Y04-34	100	4	POA	POA

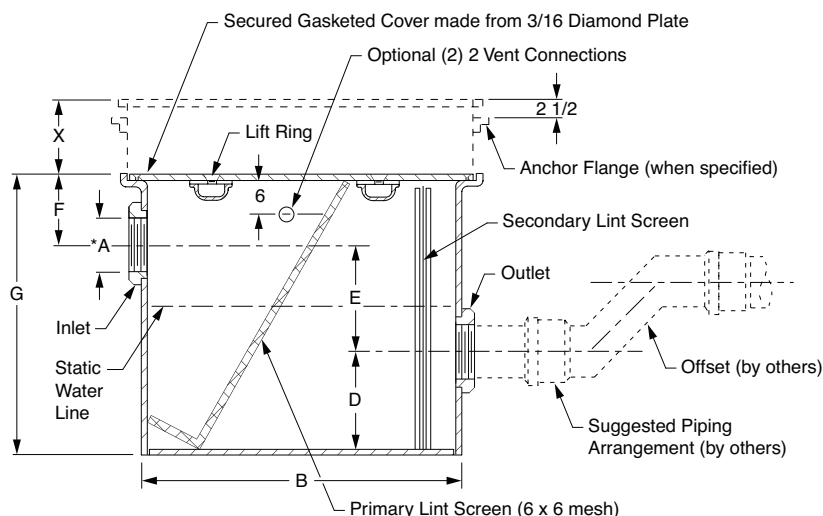
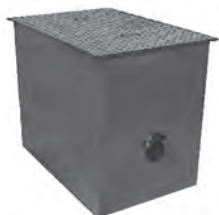
Y † No-Hub Inlet/Outlet

For after the fact extensions only

Extensions for these units (after the fact) will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

INTERCEPTORS

FIG. 8910 SERIES LINT INTERCEPTORS



C= Body Width

X= Specify Additional Height Required

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

For after the fact extensions only

Extensions for these units (after the fact) will require a new cover as well. Please contact Jay R. Smith Sales Dept. for pricing.

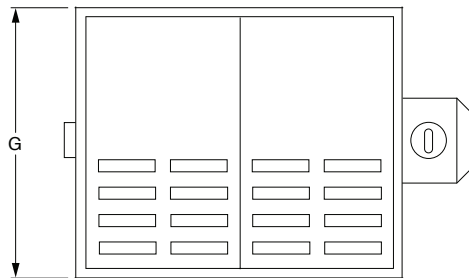
FIG. NO.	GPM FLOW RATE	MAX. NO. OF WASHERS	INLET & OUTLET SIZE A*	BODY		ROUGHING DIM.				SECURING SCREWS IN COVER	*STEEL DUCO COATED	ADD FOR:				APPROX. WEIGHT LBS.
				B LENGTH	C WIDTH	D	E	F	G			EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	ANCHOR FLANGE (-F)	FLANGE AND FLASHING CLAMP (-FC)	
8910-20	20	2	04"	30"	24"	12"	12"	8"	32"	8	16,754.00	3,710.00	391.00	1,693.00	3,554.00	270
8910-25	25	3	04"	36"	24"	12"	12"	8"	32"	8	16,968.00	3,735.00	406.00	2,094.00	3,596.00	318
8910-50	50	5	04"	40"	26"	12"	12"	8"	32"	10	19,159.00	4,249.00	439.00	2,372.00	4,067.00	332
8910-100	100	10	06"	48"	30"	12"	12"	8"	32"	10	23,645.00	5,272.00	552.00	2,452.00	5,011.00	420
8910-150	150	15	06"	51"	32"	24"	12"	8"	44"	10	26,008.00	5,816.00	595.00	2,632.00	5,520.00	555
8910-200	200	20	06"	54"	36"	24"	12"	12"	48"	10	28,618.00	6,398.00	655.00	3,039.00	6,072.00	696
8910-350	350	35	06"	68"	42"	24"	12"	12"	48"	14	35,412.00	7,955.00	813.00	3,077.00	7,510.00	874
8910-500	500	50	06"	84"	54"	36"	12"	12"	60"	18	42,598.00	9,578.00	976.00	3,629.00	9,021.00	1,336

*Available with larger inlet and outlet when specified. Contact the factory for pricing.

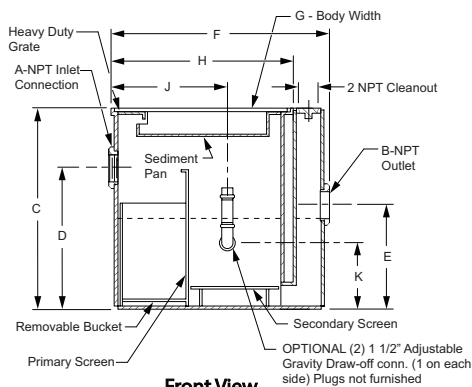
REGULARLY FURNISHED: Fabricated Steel with Gray Duco Coating and Stainless Steel Primary and Secondary Lint Screens, 3/16" Diamond Plate Cover (Secured & Gasketed) and Threaded Inlet and Outlet.

INTERCEPTORS

FIG. 8925 SERIES SEDIMENT/OIL INTERCEPTOR



TOP VIEW



Front View

OPTIONS:		ADD
-OD	Oil Draw-off Assembly	656.00
-SS	Stainless Steel Body	POA
-M	Ductile Iron Grate	
	For 8925-12 (Priced for 1 Grate)	2,054.00
	For 8925-60 (Priced for 1 Grate)	2,054.00
	For 8925-100 (Priced for 2 Grates)	4,108.00
	For 8925-200 (Priced for 3 Grates)	6,162.00

NOTE: Interceptor shall be vented on outlet side per local code requirements.
It is the responsibility of the installer to check all parts (internal and external) to verify they are in their proper operating order and location.

NOTE: If any dimension is larger than 92" or if any single item weighs more than 3,500 lbs., this would be an oversized and/or overweight product and our standard FFA terms may not apply. **Please contact our shipping department for additional shipping charges.**

FIGURE NO.	SLUDGE CAP LBS.	A INLET SIZE	B OUTLET SIZE	C	D	E	F	G	H	J	K	NO. OF 12" X 24" GRATES	*STEEL DUCO COATED	EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	ANCHOR FLANGE (-F)	FLANGE AND FLASHING CLAMP (-FC)	APPROX. WEIGHT LBS.
8925-12	12	02"	02"	18"	13"	10 1/2"	17 5/16"	12 1/2"	12 1/2"	9"	6"	*1	5,757.00	960.00	146.00	1,197.00	1,652.00	75
8925-60	60	02"	04"	26"	20"	18"	29 1/2"	12 1/2"	24 1/2"	19"	8"	1	15,527.00	1,444.00	215.00	1,652.00	2,490.00	175
8925-100	100	02"	04"	34"	27"	22"	29 1/2"	24 1/2"	24 1/2"	19"	12"	2	22,056.00	1,907.00	306.00	2,080.00	3,143.00	280
8925-200	200	02"	04"	34"	27"	22"	41 1/2"	24 1/2"	36 1/2"	27"	12"	3	32,687.00	2,878.00	449.00	2,739.00	4,033.00	370

*Grate is 12 x 12"

For Ductile Iron see options above for add on price.

REGULARLY FURNISHED: Fabricated Steel Body with Duco Coating and Sediment Pan w/Stainless Steel Bucket w/Perforated Back, Secondary Screen and Heavy Duty Cast Iron Grating.

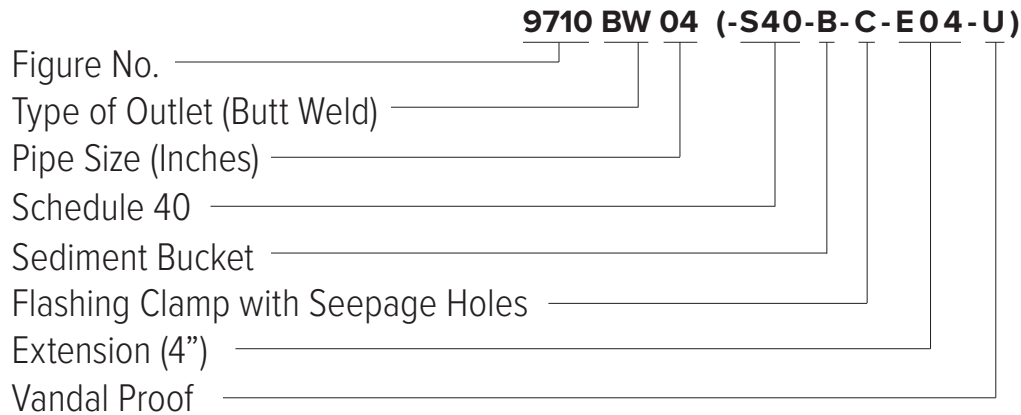
*REGULARLY FURNISHED



ORDERING GUIDELINES

After identifying the proper options required to meet the engineering specification, place order as shown below:

Examples:



WHERE A SUPERIOR DRAIN IS REQUIRED

NUCLEAR AND FOSSIL FUEL POWER PLANTS

Stainless steel or carbon steel – as dictated by piping material and performance requirements.

FOOD PROCESSING INDUSTRIES

Where there is exposure to animal or vegetable fats and acids. Ideal for: Mills, slaughter and packing houses, dairies, breweries and citrus juice plants.

WIDELY USED IN – Hospitals, laboratories, chemical plants and many industrial plant applications.

- 9690 series drains are made from drawn 304 stainless steel 14 gauge sheet. 316 material can be supplied (when specified).
- 9700 series drains and cleanouts are regularly furnished in ASTM-A351 (CF8) cast equivalent to type 304 rough finish stainless steel.
- Optional Materials – (only when specified) ASTM (CF8M) equivalent to type 316 stainless steel. Carbon steel (ASTM A-27).
- Three outlet types available: Inside caulk (regularly furnished). Threaded and Butt Weld outlet (when specified).
- Floor drains (except 9713, 9718, 9740, 9745 and 9750) furnished with integral anchor flange.
- Seepage openings on flanged drains are furnished only when specified except for 9733 and 9734.
- Flashing clamp – Available with all integral anchor flange drains.
- All grates are regularly furnished loose set. Available vandal proof (when specified).
- Top finish – As cast (rough finish). Satin finished (when specified).

MATERIALS:

304 or CF8 stainless steel resists corrosion and oxidation because of its 18% minimum chromium content. The 8% minimum nickel content establishes this

alloy's metallurgical characteristics and also extends resistance to corrosion caused by reducing chemicals.

304 or CF8 resists all ordinary rusting and is immune to food substances, sterilizing solutions, most of the organic chemicals, dye substances and a wide variety of inorganic chemicals.

316 or CF8M. Offered as optional material (when specified only). Used where a higher degree of corrosion resistance is needed as compared to Type CF8. Type CF8M differs from CF8 by the addition of up to 3% molybdenum. The molybdenum increases the corrosion resistance to withstand attack by many industrial chemicals and solvents. CF8M will also withstand attack by hypochlorite solutions, phosphoric acids, sulphite liquors, and sulfurous acids. Used in industries such as corrosive process chemicals, photographic paper, textiles, bleaches and rubber.

CN7M. Carpenter 20Cb-3 special stainless alloys may have to be specified for very severe corrosion problems. Consult Smith Sales Engineering Department for Recommendation.

MECHANICAL PROPERTIES:

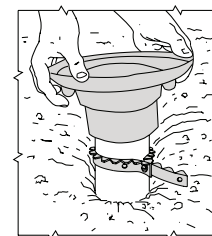
Stainless steel is strong and ductile as compared to plastics and Hi-Sil iron, making it ideal for floor drain and cleanout applications.

Fabricatability: May be machined easily and lends itself to fabrication. Ideal for floor drains and cleanouts which have to be welded to stainless steel decks. Stainless steel is the only corrosion resistant material which offers this wide versatility of mechanical properties.

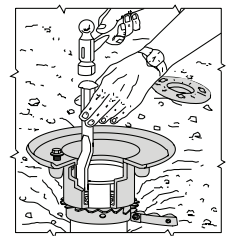
**FIG. 9329-CAULK SUPPORT STRAP FOR SUPPORTING
02", 03" & 04" INSIDE CAULK DRAINS & CLEANOUTS**

REGULARLY FURNISHED:

22 Gauge Tempered Steel Strap with Steel Machine Screw, Nut and Washer.



Inside Caulk Body Slips Over Stub
and Rests on Support Strap



Drain Does Not Slip During
Caulking Operation

SPECIALTIES, STAINLESS AND CARBON STEEL

SPECIALTIES



Fig. 9005



Fig. 9020



Fig. 9110



Fig. 9130



Fig. 9140



Fig. 9200



Fig. 9205



Fig. 9600 Series



Fig. 9690



Fig. 9700A

STAINLESS STEEL



Fig. 9703



Fig. 9704



Fig. 9705



Fig. 9710



Fig. 9713



Fig. 9715



Fig. 9718



Fig. 9720



Fig. 9725



Fig. 9730



Fig. 9733



Fig. 9734



Fig. 9735



Fig. 9740



Fig. 9745



Fig. 9750



Fig. 9755

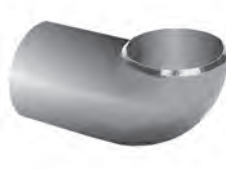


Fig. 9759



Fig. 9760



Fig. 9770



Fig. 9775



Fig. 9780



Fig. 9785

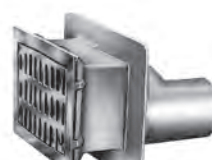


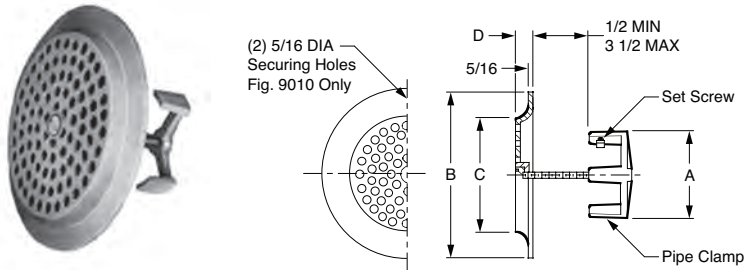
Fig. 9790



Fig. 9795

NOTES

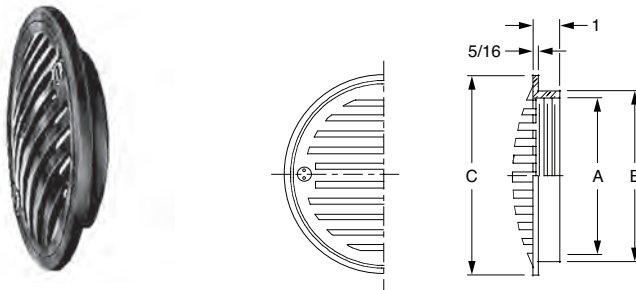


FIG. 9005 FRESH AIR INLET WITH PIPE CLAMP
FIG. 9010 FRESH AIR INLET LESS PIPE CLAMP


OPTIONS:		DEDUCT
Less Pipe Clamp (Specify Fig. 9010)	03-10"	156.00

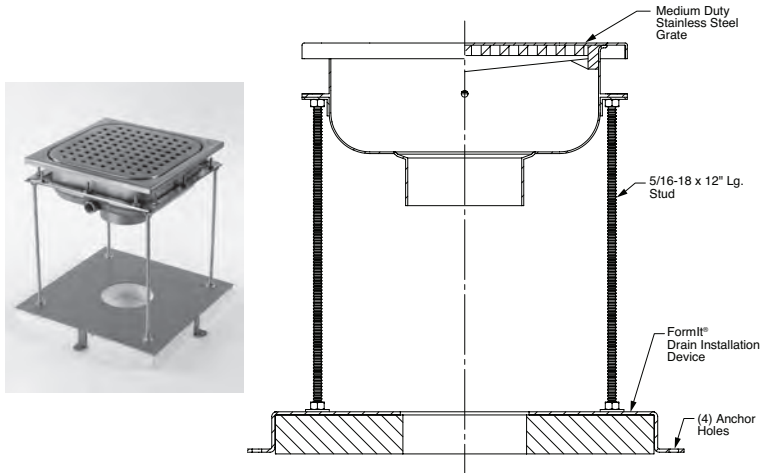
A PIPE SIZE	B DIA.	C DIA.	D	FREE AREA SQ. IN.	*POLISHED BRONZE	POLISHED NICKEL BRONZE	CHROME PLATED	APPROX. WT. LBS.
03, 04"	8"	5 1/4"	3/4"	7	801.00	943.00	1,335.00	5
05"	10"	7 3/4"	3/4"	18.26	1,272.00	1,617.00	1,806.00	7
06"	10"	7 3/4"	3/4"	18.26	1,272.00	1,617.00	1,806.00	7
08"	14"	11 1/2"	1"	44.88	1,958.00	2,574.00	2,646.00	13
10"	14"	11 1/2"	1"	44.88	1,958.00	2,574.00	2,646.00	13

REGULARLY FURNISHED: Polished Bronze with Vandal Proof Screws.

FIG. 9020 FRESH AIR INLET WITH FEMALE THREADED PIPE CONNECTION


A PIPE SIZE	B DIA.	C DIA.	FREE AREA SQ. IN.	*POLISHED BRONZE	POLISHED NICKEL BRONZE	CHROME PLATED	APPROX. WT. LBS.
04"	4 3/4"	7"	13.60	953.00	1,136.00	1,570.00	4
05"	6"	7"	13.60	1,164.00	1,348.00	1,792.00	5

REGULARLY FURNISHED: Polished Bronze with Vandal Proof Screws.

FIG. 9095 SS FLOOR SINK W/FORMIT® DRAIN INSTALLATION DEVICE


Sump Depth	Type 304 (CF8) Stainless Steel With Dome Bottom Strainer	Type 304 (CF8) Stainless Steel With Sediment Bucket
4"	POA	POA
6"	POA	POA
8"	POA	POA
10"	POA	POA

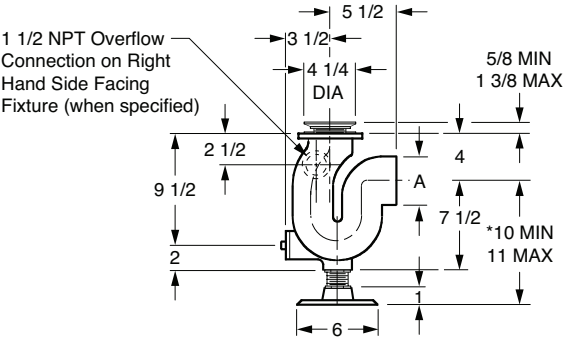
Y

† No-Hub Outlet

BW	Butt Weld Outlet, Schedule 5 Schedule 10 Schedule 40	POA
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FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR
 LOCAL JAY R. SMITH REPRESENTATIVE

*REGULARLY FURNISHED



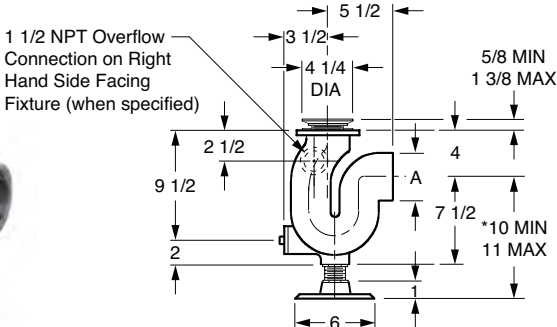
OPTIONS:		ADD
-N15	1 1/2" Overflow Connection (9120 Only)	563.00
-SS	For use with Stainless Steel Sink	N/C

FIGURE NO.	PIPE SIZE	FREE AREA SQ. IN.	CONNECTION	*ARE INSIDE	ARE INSIDE AND OUTSIDE	APPROX. WT. LBS.
9110	02"	2	Threaded	1,494.00	1,958.00	16
9120	03"	2	Threaded	1,494.00	1,958.00	22

REGULARLY FURNISHED: Chrome Plated Strainer, Rubber Gasket and Bronze Cleanout Plug. Cast Iron with White Duco Coated Outside and Acid Resistant Coated Inside.

*Roughing shall be coordinated with sink used.
Always specify fixture mfrs. name, number and size.

FIG. 9114 TO 9128 ADJUSTABLE "P" TRAP STANDARDS-ALL BRONZE



OPTIONS:		ADD
-N15	1 1/2" Overflow Connection (9124 thru 9128 Only)	POA
-SS	For use with Stainless Steel Sink	N/C

FIGURE NO.	PIPE SIZE	FREE AREA SQ. IN.	CONNECTION	*ALL BRONZE	APPROX. WT. LBS.
▲9114	02"	2	Threaded	POA	18
▲9116	02"	2	Sil-Brazed Outlet	POA	18
9118	02"	2	Sil-Brazed Grooved	POA	18
9124	03"	2	Threaded	POA	20
9126	03"	2	Sil-Brazed Outlet	POA	20
9128	03"	2	Sil-Brazed Grooved	POA	40

* Roughing shall be coordinated with sink used.
▲ Conforms to Military Specification MIL S-2143-B Amendment 1.
Always specify fixture mfrs. name, number and size.

REGULARLY FURNISHED: Chrome Plated Strainer, Rubber Gasket and Bronze Cleanout Plug. Bronze Trap are as Cast.

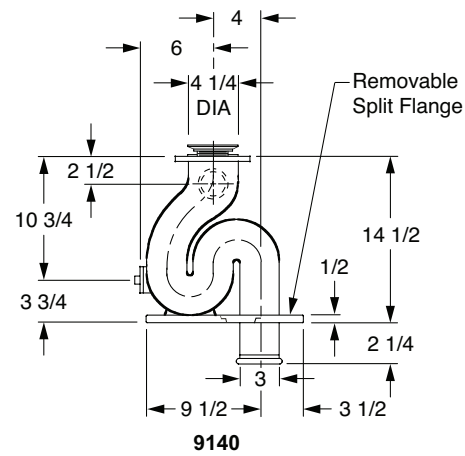
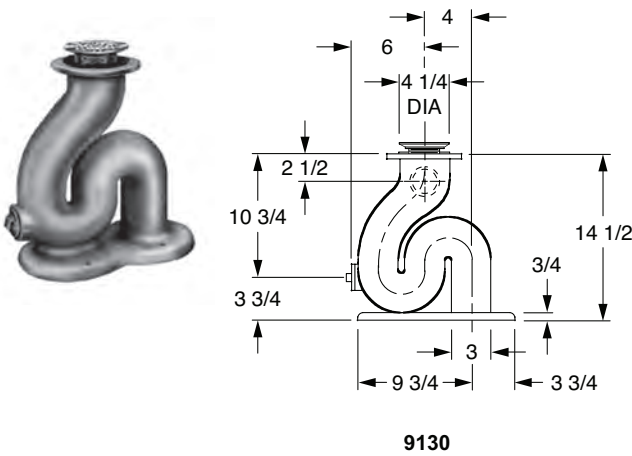


FIGURE NO.	PIPE SIZE	FREE AREA SQ. IN.	CONNECTION	*ARE INSIDE	ARE INSIDE AND OUTSIDE	ALL BRONZE	APPROX. WT. LBS.
9130	03"	2	Soil	2,681.00	3,120.00	POA	34
*▲9134	03"	2	Soil	—	—	POA	40
9140	03"	2	Soil	2,816.00	3,255.00	POA	35

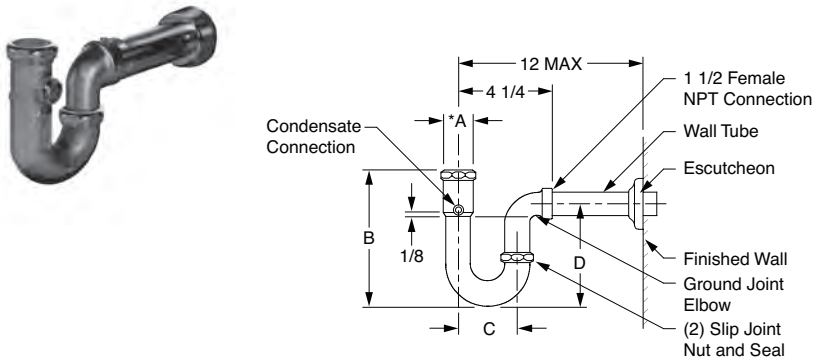
OPTIONS:		ADD
-N15	1 1/2" Overflow Connection (9130, 9140 Only)	563.00
-SS	For use with Stainless Steel Sink	N/C

REGULARLY FURNISHED: All Traps with Chrome Plated Strainer, Rubber Gasket and Bronze Cleanout Plug. Cast Iron Traps are White Duco Coated Outside and Acid Resistant Coated Inside. All Bronze Traps are as Cast.

*All Bronze

▲ Conforms to Military Specification MIL S-2143-B Amendment 1.

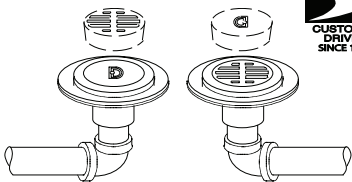
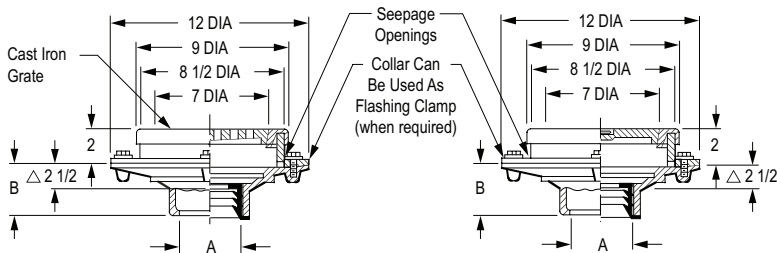
FIG. 9200 CONDENSATE DRAIN LINE TRAP



INLET OUTLET SIZE *A	B	C	D	*17 GAUGE CHROME PLATED SATIN BRONZE	17 GAUGE CHROME PLATED POLISHED BRONZE (-CP)	APPROX. WT. LBS.
0125 or 0150"	6"	2 7/8"	5"	913.00	1,043.00	4

REGULARLY FURNISHED: Satin Chrome Plated Cast Bronze P-Trap with Ground Joint Outlet, Threaded Wall Tube, Slip Joint Nuts, Washer, Escutcheon and 1/2" NPT Condensate Connection.

*1 1/4" and 1 1/2" slip joint nuts are provided to accommodate the appropriate fixture tailpiece. Ground joint elbow is threaded 1 1/2" NPT.



TYPICAL INSTALLATION
Drains are located close to each other for ease of switching grate and plug

A OUTLET SIZE	TOP SIZE DIA.	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WT. LBS.
02, 03, 04"	9"	10.30	2,473.00	6,148.00	7,024.00	50

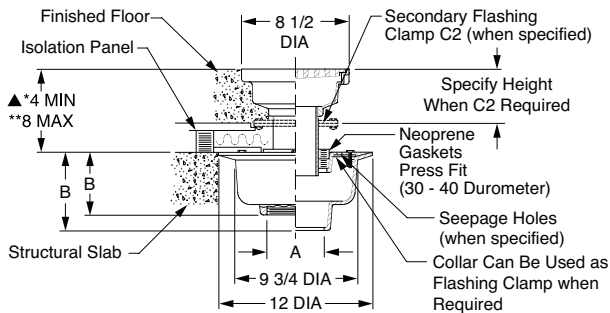
REGULARLY FURNISHED: Two (2) Duco Cast Iron Bodies with Flashing Collar and Bronze Rim. Cast Iron Grate and Ground Joint Plug.

△ This dimension to internal stop of Speedi-Set® gasket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	N/C
Speedi-Set® SW	L02, L03, L04	3 3/4"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	N/C
Threaded	T02, T03, T04	2"	259.00
No-Hub	Y02, Y03, Y04	3 3/4"	N/C
OPTIONS:			ADD
-ARC	Acid Resistant Coated		1,234.00
-FBSCI	Flat Bottom Str. Cl. (ea)		96.00
-G	Galvanized CI		1,392.00
-M	Ductile Iron Grate and Plug		892.00
-RB	Bronze Grate and Plug		3,675.00

FIG. 9340 DRAIN FOR FLOATING (ISOLATED) FLOOR SYSTEMS



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WT. LBS.
02, 03, 04"	8 1/2"	14.25	2,782.00	3,502.00	3,672.00	90

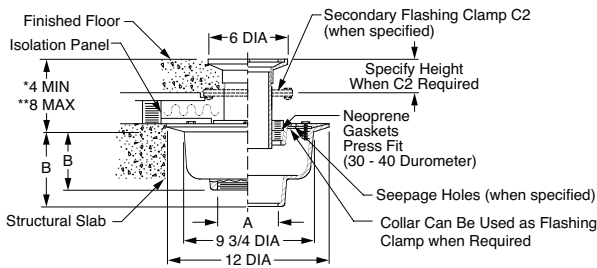
REGULARLY FURNISHED: Duco Cast Iron Lower Body and Flashing Collar, Adjustable Nipple, Upper Body, Grate and Neoprene Isolation Gaskets.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04	4 3/4"	125.00
No-Hub	Y02, Y03, Y04	6"	N/C
OPTIONS:			ADD
-C	Underdeck Clamp		394.00
-G	Galvanized CI		1,973.00
-R	Sump Receiver Plate		443.00
-U	Vandal Proof Screws		241.00
-W	With Seepage Holes		245.00

*Add 1/4" for Nickel Bronze or Polished Bronze Top.
**If greater dimension than shown from lower flange to top is required specify a longer nipple.
▲ Nipple may require cutting to achieve minimum dimension.

FIG. 9345 DRAIN FOR FLOATING (ISOLATED) FLOOR SYSTEMS



A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†DUCO CI	DUCO CI PB TOP	APPROX. WT. LBS.
02, 03, 04"	8 1/2"	7	2,265.00	2,407.00	90

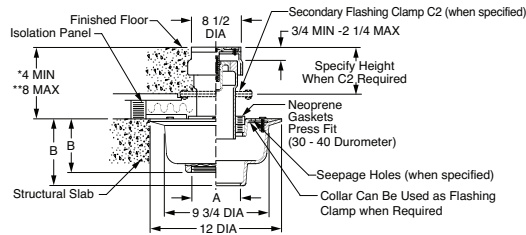
REGULARLY FURNISHED: Duco Cast Iron Lower Body and Flashing Collar, Duco Cast Iron Top Drain Body with Polished Bronze Top and Neoprene Isolation Gasket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04	4 3/4"	125.00
No-Hub	Y02, Y03, Y04	6"	N/C
OPTIONS:			ADD
-C	Underdeck Clamp		394.00
-G	Galvanized CI		1,973.00
-R	Sump Receiver Plate		443.00
-W	With Seepage Holes		245.00

**If greater dimension than shown from lower flange to top is required specify a longer nipple.

*REGULARLY FURNISHED



A OUTLET SIZE	*DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WT. LBS.
02, 03, 04"	2,641.00	2,738.00	90

REGULARLY FURNISHED: Duco Cast Iron Lower Body and Flashing Collar, Duco Cast Iron Adjustable Ferrule and Frame with Polished Bronze Top, Bronze Cleanout Plug in Ferrule and Neoprene Isolation Gasket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

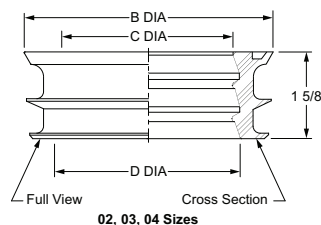
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" BODY HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6"	N/C
Speedi-Set® SW	L02, L03, L04	6"	N/C
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	N/C
Threaded	T02, T03, T04	4 3/4"	125.00
No-Hub	Y02, Y03, Y04	6"	N/C

OPTIONS:	ADD
-C2 Secondary Flashing Clamp	301.00
-G Galvanized CI	1,861.00
-QC Round Top Recessed f/Terrazzo (Fig. 9354)	578.00
-S With Square Top (Fig. 9351)	N/C
-S-QC Square Top Recessed f/Terrazzo (Fig. 9355)	578.00
-S-TC Square Top Recessed f/Tile (Fig. 9353)	N/C
-TC Round Top Recessed f/Tile (Fig. 9352)	N/C
-W With Seepage Holes	245.00

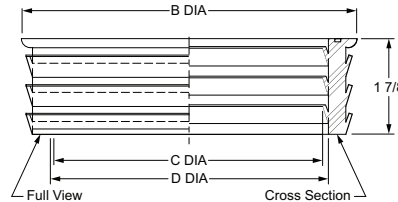
*Add 1/4" for Nickel Bronze or Polished Bronze Top.

**If greater dimension than shown from lower flange to top is required specify a longer nipple.

FIG. 9502 SMITH SPEEDI-SEAL NEOPRENE GASKET



02, 03, 04 Sizes



05, 06 Sizes

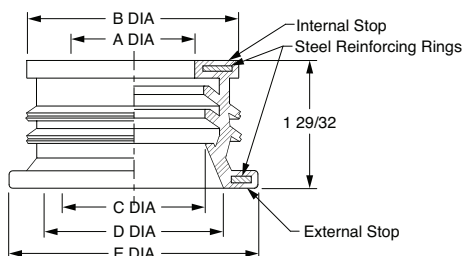
NOTE: A threaded outlet with a plastic adaptor in lieu of the Speedi-Seal connection is recommended when plastic pipe is used in conjunction with roof drains.

NOTE: Use an adhesive lubricant with plastic pipe.

FIGURE NO.	SIZE	B DIA.	C DIA.	D DIA.	LIST PRICE	APPROX. WT. LBS.	GASKET-PIPE COMPATIBILITY						
							CAST IRON NO-HUB	ABS	PVC	PVC THIN WALL	STEEL	COPPER DWV	GLASS
9502-02	02" SW	3 1/2"	2 3/16"	2 7/16"	89.00	1/4	X			X		X	X
9502-03	03" SW	4 5/8"	3 1/8"	3 7/16"	89.00	3/8	X			X		X	
9502-04	04" SW	5 1/2"	4 1/8"	4 7/16"	89.00	3/8	X			X		X	
9502-05	05" SW	6 13/32"	5 1/8"	5 11/32"	89.00	3/8	X						
9502-06	06" SW	7 1/2"	6 1/8"	6 3/8"	89.00	1/2	X						
9502-02XH	02" XH	3 1/2"	2 1/4"	2 1/2"	89.00	1/4		X	X		X		X
9502-03XH	03" XH	4 5/8"	3 5/16"	3 5/8"	89.00	3/8		X	X		X		X
9502-04XH	04" XH	5 1/2"	4 5/16"	4 5/8"	89.00	3/8		X	X		X		X
9502-05XH	05" XH	6 13/32"	5 5/16"	5 17/32"	89.00	1/2							
9502-06XH	06" XH	7 1/2"	6 11/32"	6 9/16"	89.00	5/8							

REGULARLY FURNISHED: Molded Neoprene Gasket.

FIG. 9508 SPEEDI-SET® REINFORCED NEOPRENE GASKET



INSTALLATION: The Speedi-Set® reinforced neoprene gasket is normally factory assembled in drain outlet. For field assembly, coat interior of drain outlet with soil pipe joint lubricant and push gasket into place until it "Bottoms Out" on the external stop. Then apply the lubricant to gasket interior, place drain over pipe and push on until pipe end contacts the gasket's internal stop to complete the connection. If pipe is oversize, it may be necessary to tap the drain in place. In such cases, a wood block is recommended to avoid damage to casting.

FIGURE NO.	SIZE	A DIA.	B DIA.	C DIA.	D DIA.	E DIA.	LIST PRICE	APPROX. WT. LBS.	GASKET-PIPE COMPATIBILITY						
									CAST IRON NO-HUB	ABS	PVC	PVC THIN WALL	STEEL	COPPER DWV	GLASS
9508-02	02" SW (-L)	1 3/4"	2 15/16"	2 1/32"	2 9/16"	3 1/2"	89.00	3/8	X			X		X	
9508-03	03" SW (-L)	2 3/4"	3 15/16"	3"	3 5/8"	4 3/8"	89.00	3/8	X			X		X	
9508-04	04" SW (-L)	3 3/4"	4 15/16"	4 1/16"	4 11/16"	5 5/8"	89.00	1/2	X						
9508-02XH	02" XH (-LXH)	1 7/8"	2 15/16"	2 1/32"	2 9/16"	3 1/2"	89.00	1/2		X	X		X		X
9508-03XH	03" XH (-LXH)	2 3/4"	3 15/16"	3 1/16"	3 5/8"	4 3/8"	89.00	5/8		X	X		X		X
9508-04XH	04" XH (-LXH)	3 3/4"	4 15/16"	4 3/16"	4 11/16"	5 5/8"	89.00	3/4		X	X		X		X

REGULARLY FURNISHED: Molded Reinforced Neoprene Gasket.

*REGULARLY FURNISHED

FIG. 9600 - FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD FOR LIGHT DUTY USE



Outlet Size	Round Strainer Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04"	05"	POA	POA
02, 03, 04"	06"	POA	POA

Outlet Size	Square Strainer Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04"	05"	POA	POA
02, 03, 04"	06"	POA	POA

FIG. 9604 - SPECIAL STAINLESS STEEL DRAIN FOR LIGHT DUTY USE



Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02"	POA	POA

FIG. 9610 - 6" ROUND TOP FLOOR DRAIN FOR MEDIUM DUTY USE



Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04"	POA	POA

FIG. 9614, 9615 - 8" ROUND TOP FLOOR DRAIN WITH LOOSE SET SLOTTED GRATE FOR MEDIUM DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9614	02, 03, 04"	04"	POA	POA
9615	02, 03, 04"	06"	POA	POA

FIG. 9614-RF, 9614-SRF - 8" ROUND OR SQUARE TOP FLOOR DRAIN WITH RIM FLOW GRATE FOR SPECIAL DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9614-RF	02, 03, 04"	04"	POA	POA
9614-SRF	02, 03, 04"	04"	POA	POA

FIG. 9614-S - 8" SQUARE TOP FLOOR DRAIN FOR MEDIUM DUTY USE



Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04"	POA	POA

FIG. 9614-SBG - 8" SQUARE TOP AREA/FLOOR DRAIN WITH BAR GRATE FOR MEDIUM DUTY USE



Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04"	POA	POA



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9620	02, 03, 04"	04"	POA	POA
9621	02, 03, 04"	06"	POA	POA
9622	02, 03, 04"	08"	POA	POA

FIG. 9620-RF/SRF, 9621-RF/SRF - 10" ROUND OR SQUARE TOP FLOOR DRAIN WITH SPECIAL DUTY RIM FLOW GRATE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9620-RF	02, 03, 04"	04"	POA	POA
9620-SRF	02, 03, 04"	04"	POA	POA
9621-RF	02, 03, 04"	06"	POA	POA
9621-SRF	02, 03, 04"	06"	POA	POA

FIG. 9620-S, 9621-S - 10" SQUARE TOP GENERAL PURPOSE FLOOR DRAIN FOR LIGHT DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9620-S	02, 03, 04"	04"	POA	POA
9621-S	02, 03, 04"	06"	POA	POA

FIG. 9620-SBG, 9621-SBG - 10" SQUARE TOP AREA/FLOOR DRAIN WITH BAR GRATE FOR MEDIUM DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9620-SBG	02, 03, 04"	05"	POA	POA
9621-SBG	02, 03, 04"	07"	POA	POA

FIG. 9630, 9631, 9632, 9633 - 12" ROUND TOP GENERAL PURPOSE FLOOR DRAIN FOR LIGHT DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630	02, 03, 04, 06"	04"	POA	POA
9631	02, 03, 04, 06"	06"	POA	POA
9632	02, 03, 04, 06"	08"	POA	POA
9633	02, 03, 04, 06"	10"	POA	POA

FIG. 9630-RF, 9631-RF, 9632-RF - 12" ROUND TOP FLOOR DRAIN WITH SPECIAL DUTY RIM FLOW GRATE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630-RF	02, 03, 04, 06"	04"	POA	POA
9631-RF	02, 03, 04, 06"	06"	POA	POA
9632-RF	02, 03, 04, 06"	08"	POA	POA

FIG. 9630-S, 9631-S, 9632-S - 12" SQUARE TOP GENERAL PURPOSE FLOOR DRAIN FOR LIGHT DUTY USE

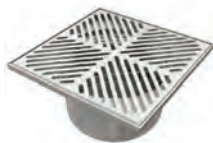


Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630-S	02, 03, 04"	04"	POA	POA
9631-S	02, 03, 04"	06"	POA	POA
9632-S	02, 03, 04"	08"	POA	POA

SMITH STAINLESS STEEL DRAINAGE PRODUCTS

FIG. 9630-SBG, 9631-SBG, 9632-SBG - 12" SQUARE TOP AREA/FLOOR DRAIN W/BAR GRATE FOR MEDIUM DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630-SBG	02, 03, 04"	05"	POA	POA
9631-SBG	02, 03, 04"	07"	POA	POA
9632-SBG	02, 03, 04"	09"	POA	POA

FIG. 9630-SRF, 9631-SRF, 9632-SRF - 12" SQUARE TOP FLOOR DRAIN W/SPECIAL DUTY RIM FLOW GRATE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630-SRF	02, 03, 04, 06"	05"	POA	POA
9631-SRF	02, 03, 04, 06"	07"	POA	POA
9632-SRF	02, 03, 04, 06"	09"	POA	POA

FIG. 9635-RF, 9636-RF, 9637-RF, 9638-RF - 14" ROUND FLOOR DRAIN W/SPECIAL DUTY RIM FLOW GRATE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9635-RF	02, 03, 04, 06"	04"	POA	POA
9636-RF	02, 03, 04, 06"	06"	POA	POA
9637-RF	02, 03, 04, 06"	08"	POA	POA
9638-RF	02, 03, 04, 06"	10"	POA	POA

FIG. 9635-S, 9636-S, 9637-S, 9638-S - 14" SQUARE TOP FLOOR DRAIN FOR LIGHT DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9635-S	02, 03, 04, 06"	04"	POA	POA
9636-S	02, 03, 04, 06"	06"	POA	POA
9637-S	02, 03, 04, 06"	08"	POA	POA
9638-S	02, 03, 04, 06"	10"	POA	POA

FIG. 9635-SBG, 9636-SBG, 9637-SBG, 9638-SBG - 14" SQUARE TOP AREA/FLOOR DRAIN WITH BAR GRATE FOR MEDIUM DUTY USE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9635-SBG	02, 03, 04, 06"	04"	POA	POA
9636-SBG	02, 03, 04, 06"	06"	POA	POA
9637-SBG	02, 03, 04, 06"	08"	POA	POA
9638-SBG	02, 03, 04, 06"	10"	POA	POA

FIG. 9635-SRF, 9636-SRF, 9637-SRF, 9638-SRF - 14" SQUARE TOP FLOOR DRAIN W/SPECIAL DUTY RIM FLOW GRATE



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9635-SRF	02, 03, 04, 06"	04"	POA	POA
9636-SRF	02, 03, 04, 06"	06"	POA	POA
9637-SRF	02, 03, 04, 06"	08"	POA	POA
9638-SRF	02, 03, 04, 06"	10"	POA	POA



Fig. No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9642	02, 03, 04"	04"	POA	POA
9643	02, 03, 04"	06"	POA	POA

FIG. 9646, 9646-S - 6" ROUND AND 6 1/2" SQUARE FLOOR CLEANOUT FOR HEAVY DUTY USE



Fig. No.	Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9646	02, 03, 04"	POA	POA
9646-S	02, 03, 04"	POA	POA

FIG. 9646-ST, 9646-S-ST - 6" SMOOTH ROUND AND 6 1/2" SMOOTH SQUARE CLEANOUT FOR HEAVY DUTY USE



Fig. No.	Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9646-ST	02, 03, 04"	POA	POA
9646-S-ST	02, 03, 04"	POA	POA

FIG. 9680 - 16" LARGER GENERAL PURPOSE ROOF DRAIN



Fig. No.	Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9680	02, 03, 04"	POA	POA

FIG. 9682 - 10 1/2" GENERAL PURPOSE ROOF DRAIN



Fig. No.	Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9682	02, 03, 04"	POA	POA

FIG. 9685 - SCUPPER DRAIN



Fig. No.	Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9685	02, 03, 04"	POA	POA

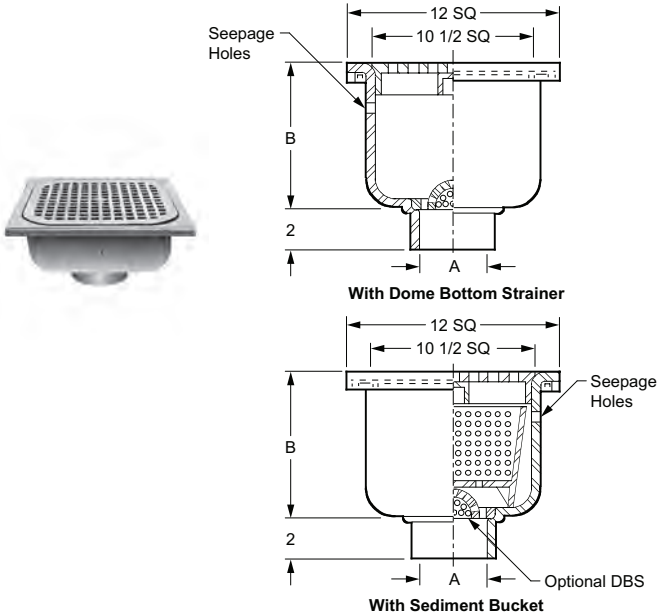


FIG. NO. w/DOME STRAINER	A OUTLET SIZE	B SUMP DEPTH	TOP SIZE	*LESS FLANGE	WITH FLANGE	APPROX. WEIGHT LBS.
9691	02, 03, 04"	4"	12" SQ.	POA	POA	14
9692	02, 03, 04"	6"	12" SQ.	POA	POA	17
9693	02, 03, 04"	8"	12" SQ.	POA	POA	20
9694	02, 03, 04"	10"	12" SQ.	POA	POA	23
FIG. NO. SEDIMENT BUCKET	A OUTLET SIZE	B SUMP DEPTH	TOP SIZE	*LESS FLANGE	WITH FLANGE	APPROX. WEIGHT LBS.
9696	02, 03, 04"	4"	12" SQ.	POA	POA	16
9697	02, 03, 04"	6"	12" SQ.	POA	POA	19
9698	02, 03, 04"	8"	12" SQ.	POA	POA	22
9699	02, 03, 04"	10"	12" SQ.	POA	POA	25

REGULARLY FURNISHED:

14 Gage Type 304 SS Receptor Body with Seepage Control Holes, Cast Type 316 SS Ribbed Non-Tilt Loose Set Grate with 1/2" Square Holes. Perforated SS Dome Bottom Strainer or Sediment Bucket as Indicated by Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Sched. -5	POA
	BW02, BW03, BW04 Sched. -10	
	BW02, BW03, BW04 Sched. -40	
Threaded	T02, T03, T04 Male or Female	POA
No-Hub	Y02, Y03, Y04	POA

OPTIONS:		ADD
-C	Flashing Clamp (Type 304)	POA
-LSH	Less Seepage Control Holes	POA
-P	Trap Primer Connection	POA
-U	Vandal Proof Grate	POA
-316	Type 316 Stainless Steel Bodies and Grates	POA

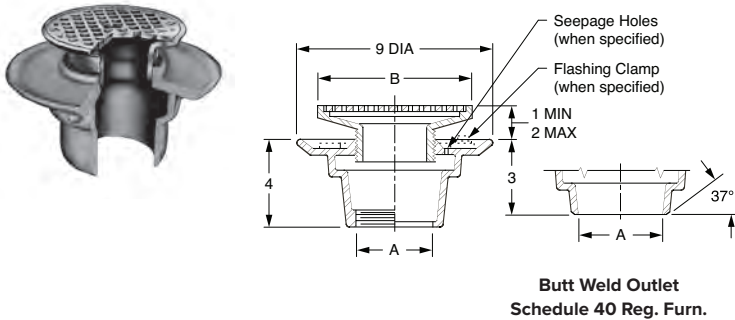
Models with Buckets:		
-BS	With Type 304 SS Mesh lined Bucket	POA
-DBS	With Type 304 SS Dome Bottom Strainer	POA
-SBP	With Type 304 SS Solid Bottom Ported Bucket	POA

OPTIONAL TOP GRATES FOR SPECIALIZED AND INDIRECT WASTE

APPLICATIONS - THE FOLLOWING ARE TYPE 304 (CF8) TYPE 316 (CF8M) GRATES ARE POA

		DEDUCT
-10	Less Stainless Steel Grate	POA
		ADD
-12	With Type 304 SS 1/2 Grate	POA
-13	With Type 304 SS 3/4 Grate	POA
-14	With Type 304 SS Grate with 2 1/2" SQ Center Hole	POA
-15	With Type 304 SS Recessed Grate with Bar Handle	POA
-21	With Type 304 SS Grate with 4" DIA Type 304 SS Funnel	POA
-22	With Type 304 SS Grate with 6" DIA Type 304 SS Funnel	POA
-25	With Type 304 SS Grate with 8 1/4 x 3 1/4 x 4 1/2" High Oval Type 304 SS Funnel	POA
-41	With Type 304 SS Solid Cover	POA
-42	With Type 304 SS 1/2 Solid Cover	POA
-43	With Type 304 SS 3/4 Solid Cover	POA
-44	With Type 304 SS Solid Cover with 2 1/2" SQ Center Hole	POA
-61	With Type 304 SS Heelproof Ribbed Loose-set Non-tilt Grate with 1/4" Square Holes	POA
-63	With Type 304 SS Medium Duty Ribbed Loose-set Non-tilt Grate with 1/4" Square Holes	POA
-64	With Type 304 SS Heavy Duty Ribbed Loose-set Non-tilt Grate with 1/2" Square Holes	POA
-66	With Type 304 SS Extra Heavy Duty Ribbed Loose-set Non-tilt Grate with 1/2" Square Holes	POA
-68	With Type 304 SS Extra Heavy Duty Ribbed Loose-set Non-tilt 3/4 Grate with 1/2" Square Holes	POA

FIG. 9700 CAST SS BODY W/ ADJUSTABLE STRAINER HEAD AND SATIN FINISH CAST SS GRATE



A OUTLET SIZE	B STRAINER SIZE	FREE AREA SQ. IN.	*CF8 (304) STAINLESS STEEL	CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	*07" DIA.	12.5	POA	POA	POA	15
02, 03, 04"	06 x 06" SQ.	12.5	POA	POA	POA	15

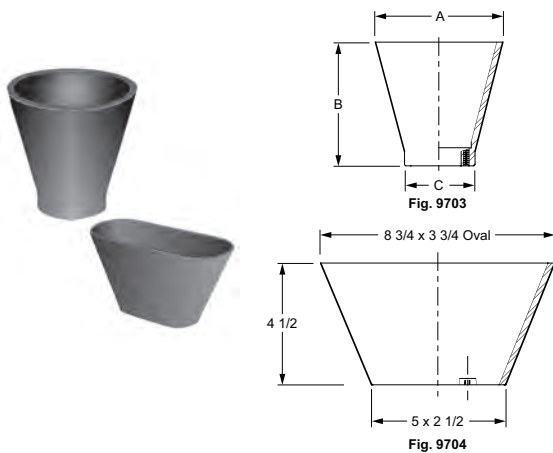
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Round Adjustable Strainer Head with Satin Finished Top.

FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, 40, or 80	POA
Inside Caulk	C02, C03	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-B	Stainless Steel Sediment Bucket (Type 304)	POA
-C	Flashing Clamp with Seepage Openings (Type 304)	POA
-P	Trap Primer Connection	POA
-SC	Solid Cover (Type 304)	POA
-U	Vandal Proof Grate	POA
-WSH	With Seepage Holes	POA



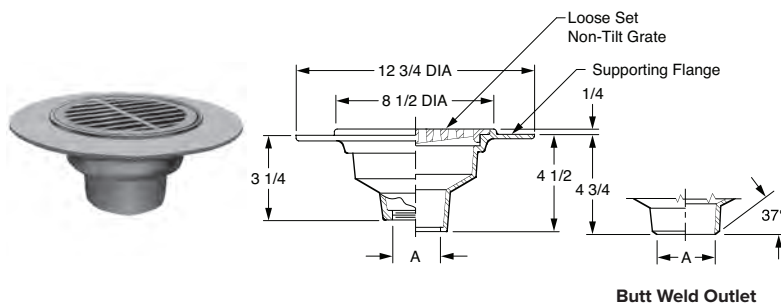
OPTIONS:		ADD
-NB	Nickel Bronze	See Fig. 3580
-SF	Satin Finish	POA

FIGURE NO.	A TOP SIZE DIA.	B	C	†-CF8 (304) SS	-CF8M (316) SS	-A27 CARBON STEEL	APPROX. WT. LBS.
9703	4"	4 1/4"	2 1/2"	POA	POA	POA	3
9703-6	6"	4 1/2"	2 1/2"	POA	POA	POA	4

FIGURE NO.	TOP SIZE	†-CF8 (304) SS	-CF8M (316) SS	-A27 CARBON STEEL	APPROX. WT. LBS.
9704	8 3/4 x 3 3/4"	POA	POA	POA	4

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel with Stainless Steel Bolts and Washers.

FIG. 9705 FLOOR DRAIN W/8 1/2" ROUND MEDIUM DUTY TOP W/EXTENDED INTEGRAL FLANGE FOR WELDING TO STEEL DECKS



A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	20.50	POA	POA	POA	21

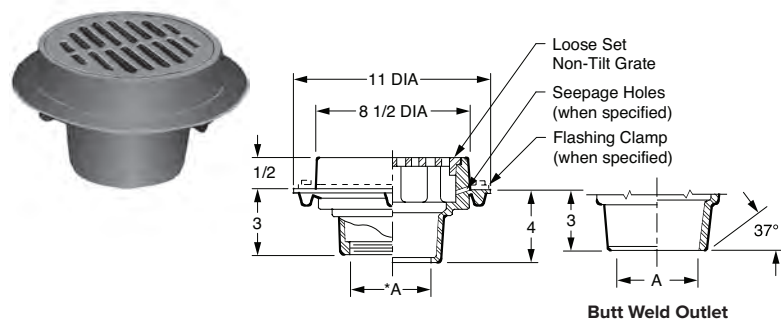
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, *40, or 80	POA
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-B	Stainless Steel Sediment Bucket (Type 304)	POA
-SC	Solid Scoriated Cover (Type 304)	POA
-SF	Satin Finish	POA
-U	Vandal Proof Screws	POA
		DEDUCT
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA

FIG. 9710 FLOOR DRAIN WITH 8 1/2" ROUND MEDIUM DUTY TOP



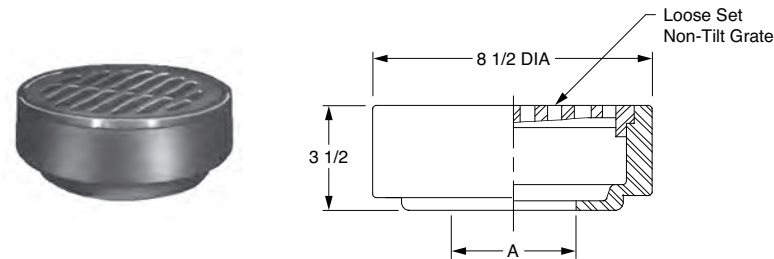
A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	20.50	POA	POA	POA	21

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, and Loose Set Non-Tilt Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, *40, or 80	POA
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
		ALL IN TYPE 304
-B	Sediment Bucket (Type 304)	POA
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-FBS	Flat Bottom Strainer (Type 304)	POA
-SC	Solid Scoriated Cover (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-U	Vandal Proof Screws	POA
-W	Seepage Holes	POA
-XP	Closure Plug & Gasket Plastic (XPP)	POA
	Type 304SS (XPSS)	POA
		DEDUCT
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA



A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	20.50	POA	POA	POA	21

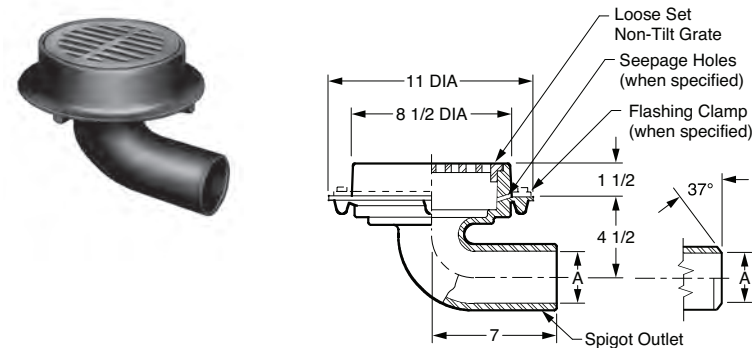
REGULARLY FURNISHED: CF8 (Equivalent to Type 304)
Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10 or 40	POA
Inside Caulk	C02, C03, C04	POA

OPTIONS:		ADD
All IN TYPE 304		
-B	Sediment Bucket (Type 304)	POA
-FBS	Flat Bottom Strainer (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-U	Vandal Proof Screws	POA
-XP	Closure Plug & Gasket Plastic (XPP)	POA
	Type 304 SS (XPSS)	POA
DEDUCT		
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA

FIG. 9715 FLOOR DRAIN WITH 8 1/2" ROUND MEDIUM DUTY TOP WITH 90° ELBOW



A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	20.50	POA	POA	POA	21

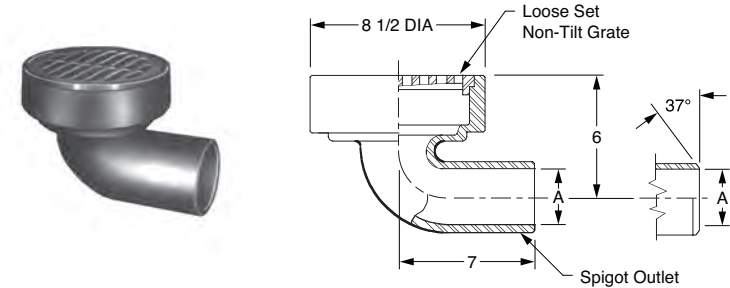
REGULARLY FURNISHED: CF8 (Equivalent to Type 304)
Rough Finish Stainless Steel Body, and Loose Set Non-Tilt Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, 40 or 80	POA
Spigot	S02, S03, S04	POA

OPTIONS:		ADD
All IN TYPE 304		
-B	Sediment Bucket (Type 304)	POA
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SC	Solid Scoriated Cover (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-U	Vandal Proof Screws	POA
-W	Seepage Holes	POA
-XP	Closure Plug & Gasket Plastic (XPP)	POA
	Type 304 SS (XPSS)	POA
DEDUCT		
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA

FIG. 9718 FLOOR DRAIN WITH 8 1/2" ROUND MEDIUM DUTY TOP WITH 90° ELBOW



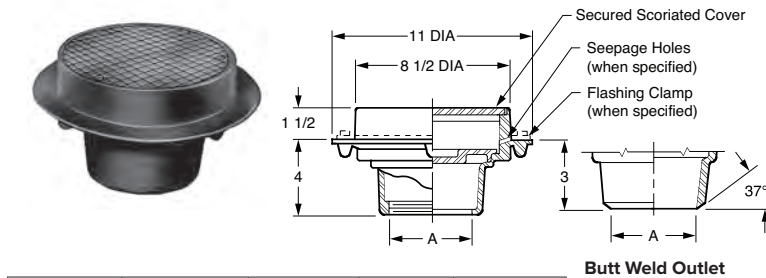
A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	20.50	POA	POA	POA	30

REGULARLY FURNISHED: CF8 (Equivalent to Type 304)
Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, or 40	POA
Inside Caulk	C02, C03, C04	POA
Spigot	S02, S03, S04	POA

OPTIONS:		ADD
-B	Sediment Bucket (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-U	Vandal Proof Screws	POA
-XP	Closure Plug and Gasket Plastic (XPP)	POA
	Type 304 SS (XPSS)	POA
DEDUCT		
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA



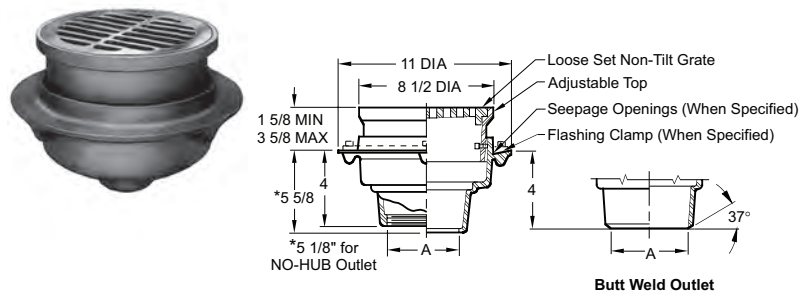
A OUTLET SIZE	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	POA	POA	POA	23

REGULARLY FURNISHED: CF8 (Equivalent to Type 304)
 Rough Finish Stainless Steel Body, Secured Scoriated Cover and
 Stainless Steel Closure Plug with Gasket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, *40, or 80	POA
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-U	Vandal Proof Cover	POA
-W	Seepage Holes	POA
Deduct from CF8 Only For:		
-XPP	Plastic Closure Plug	POA

FIG. 9725 FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP


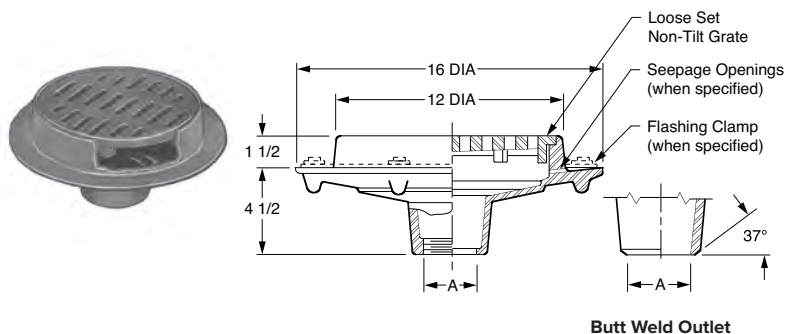
A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	20.50	POA	POA	POA	30

REGULARLY FURNISHED: CF8 (Equivalent to Type 304)
 Rough Finish Stainless Steel Body, Loose Set Non-Tilt Grate with
 Adjustable Top.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, *40, or 80	POA
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-B	Sediment Bucket (Type 304)	POA
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-FBS	Flat Bottom Strainer (304)	POA
-SC	Solid Scor Cover (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-U	Vandal Proof Grate	POA
-W	Seepage Holes	POA
-XP	Closure Plug and Gasket Plastic (XPP)	POA
	Type 304SS (XPSS)	POA
DEDUCT		
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA

FIG. 9730 FLOOR DRAIN WITH 12" ROUND HEAVY DUTY TOP


A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
04"	27.63	POA	POA	POA	52
06"	27.63	POA	POA	POA	54

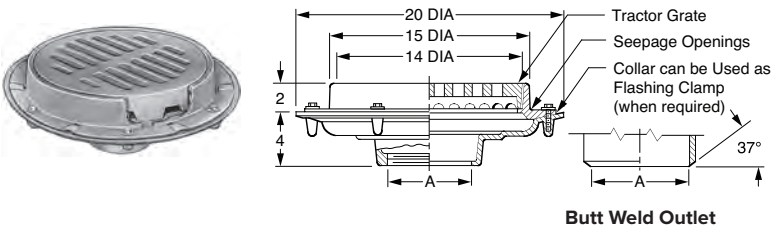
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough
 Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW04, BW06 Specify Schedule 5, 10, *40, or 80	POA
Inside Caulk	C04, C06	POA
Threaded	T04, T06	POA

OPTIONS:		ADD
-C	Flashing Clamp (Type 304)	POA
-SF	Satin Finish Top	POA
-U	Vandal Proof Grate	POA
-W	Seepage Holes	POA
DEDUCT		
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA

FIG. 9733 FLOOR DRAIN 15" ROUND TOP WITH HEAVY DUTY TRACTOR GRATE



A OUTLET SIZE	FREE AREA SQ. IN.	+CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
04, 05"	44.95	POA	POA	POA	65
06, 08"	44.95	POA	POA	POA	65

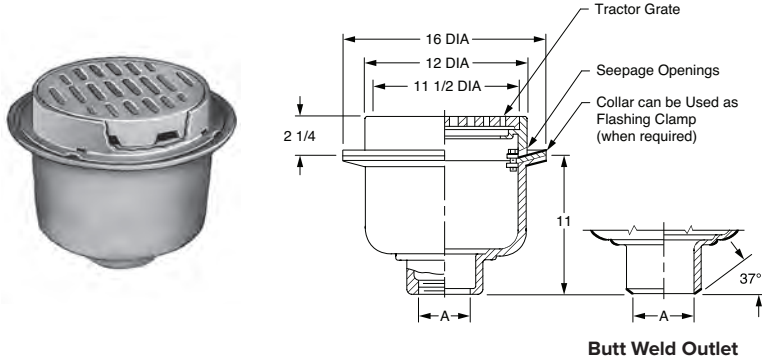
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, Flashing Collar with Seepage Openings and Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW04, BW05, BW06, BW08 Specify Schedule 5, 10 or #40	POA
Inside Caulk	C04, C05, C06, C08	POA
Threaded	T04, T05, T06, T08	POA

OPTIONS:		ADD
-M	Ductile Iron Grate	POA
-SF	Satin Finish Top	POA
		DEDUCT
-CIG	Cast Iron Grate	POA
-RB	Rough Bronze Grate	POA
-RNB	Rough NB Grate	POA

FIG. 9734 FLOOR DRAIN 12" ROUND TOP WITH HEAVY DUTY TRACTOR GRATE



A OUTLET SIZE	FREE AREA SQ. IN.	+CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
03, 04"	28.66	POA	POA	POA	83
05, 06"	28.66	POA	POA	POA	95

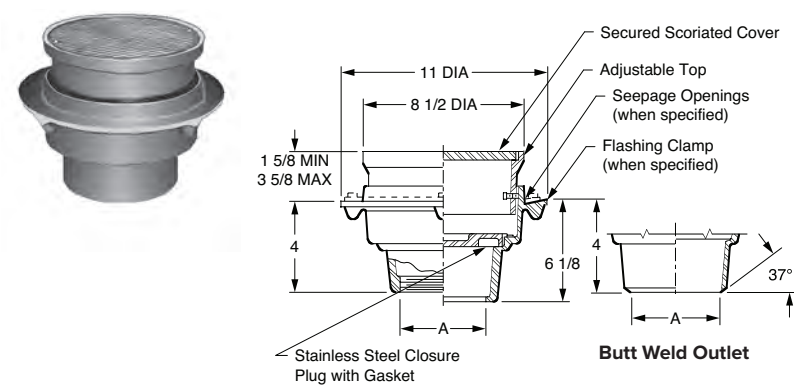
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, Flashing Collar with Seepage Openings and Rough Bronze Tractor Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04, BW05, BW06 Specify Schedule 5, 10, #40, or 80	POA
Inside Caulk	C03, C04, C05, C06	POA
Threaded	T03, T04, T05, T06	POA

OPTIONS:		ADD
-A27	Carbon Steel Grate	POA
-B	Sediment Bucket (Type 304)	POA
-CF8M	Type 316 SS Grate	POA
-M	Ductile Iron Grate	POA
-RG	Rough Stainless Grate (Type 304)	POA
-RNB	Rough NB Grate	POA
-SF	Satin Finish Top	POA
-U	Vandal Proof Screws	POA
		DEDUCT
-CIG	Cast Iron Grate	POA

FIG. 9735 FLOOR DRAIN W/8 1/2" ROUND ADJUSTABLE TOP, SCORIATED COVER AND CLOSURE PLUG



A OUTLET SIZE	+CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03, 04"	POA	POA	POA	21

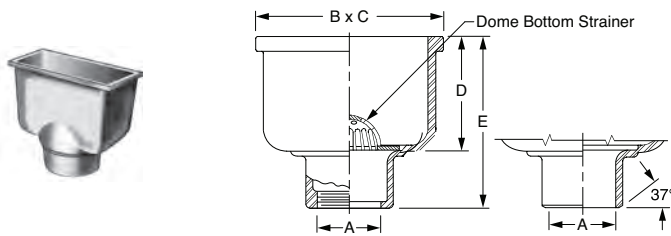
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, Adjustable Top, Secured Scoriated Cover and Gasketed Stainless Steel Closure Plug.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, #40, or 80	POA
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-A27	Carbon Steel Grate	POA
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug)	POA
-U	Vandal Proof Screws	POA
-W	Seepage Holes	POA
		DEDUCT
-XPP	Closure Plug and Gasket Plastic Closure Plug (XPP)	POA

FIG. 9740 INDIRECT WASTE RECEPTOR



Butt Weld Outlet

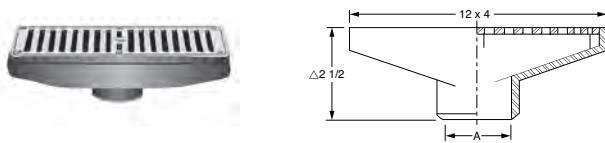
A OUTLET SIZE	BxC TOP SIZE	D	E	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
03"	4x8"	3"	5 1/2"	POA	POA	POA	21
03, 04, 06"	6x12"	7 1/4"	10 1/2"	POA	POA	POA	23

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body with Aluminum Dome Bottom Strainer.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04, BW06 Specify Schedule 5, 10 or †40	POA
Inside Caulk	C03, C04, C06	POA
OPTIONS:		ADD
-DBSCI	CI Dome Bottom Strainer (Not avail. for 4x8" top size)	POA
-F	304 SS Flange, 4x8" Top	POA
-F	304 SS Flange, 6x12" Top	POA
-FC	304 Flange & Clamp 4x8" Top (Type 304)	POA
-FC	304 Flange & Clamp 6x12" Top (Type 304)	POA
-SDBS	304 SS Dome Bottom Strainer	POA
-TP	3/4" Test Plug (for Closure Plug) (Type 304)	POA
-W	Seepage Holes	POA
-XP	Closure Plug & Gasket Plastic (XPP)	POA
	Type 304 SS (XPSS)	POA

FIG. 9745 GUTTER DRAIN



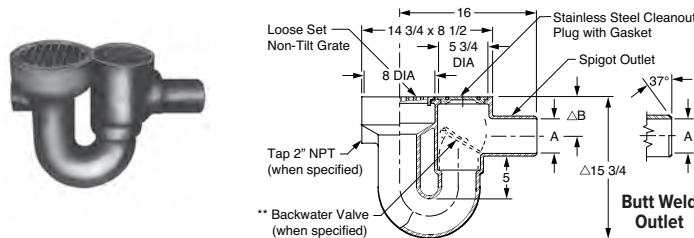
A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02, 03"	12x4"	11.50	POA	POA	POA	10

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finished Stainless Steel Body and Secured Stainless Steel Grate.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Butt Weld	BW02, BW03 Specify Schedule 5, 10, †40, or 80	2 7/8"	POA
Threaded	T02, T03	2 1/4"	POA
OPTIONS:			ADD
-U	Vandal Proof Screws		POA
-SF	Satin Finish Top		POA

FIG. 9750 INTEGRAL TRAP DRAIN WITH FLOOR LEVEL CLEANOUT



A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
03, 04"	20.50	POA	POA	POA	21

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, Loose Set Non-Tilt Grate and Cleanout Plug with Gasket.

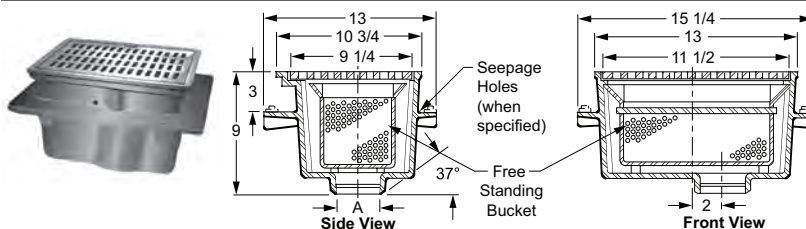
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04 Specify Schedule 5, 10 or †40	POA
Spigot	S03, S04	POA
OPTIONS:		ADD
-N2	2" NPT Auxiliary Inlet	POA
-SF	Satin Finish Top	POA
-SEC	Secured Grate	POA
-SW	Spanner Wrench	POA
-U	Vandal Proof Screws	POA
-V	304 SS Backwater Valve	POA
DEDUCT		POA
-NB	NB Frame, Grate & CO Cover	POA

**** NOTE:** These valves offer protection against backwater surges. Backflow is prevented when not obstructed by debris or sludge. Use for gravity flow only, not pressurized application.

Δadd 1/4" when Nickel Bronze Top is specified.

FIG. 9755 SQUARE HEAVY DUTY DRAIN W/POLISHED BRONZE TOP AND FREE STANDING SEDIMENT BUCKET

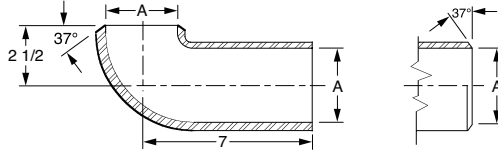


A OUTLET SIZE	TOP SIZE	FREE AREA SQ. IN.	†-CF8 (304) SS BODY PB GRATE	-CF8M (316) SS BODY PB GRATE	-A27 CARBON STEEL PB GRATE	APPROX. WT. LBS.
02, 03, 04"	10 3/4 x 13"	42	POA	POA	POA	65
05, 06"	10 3/4 x 13"	42	POA	POA	POA	65

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04, BW05, BW06 Specify Schedule 5, 10 or †40	POA
OPTIONS:		ADD
-C	Flashing Clamp w/Seepage Holes (Type 304)	POA
-RNB	Rough NB Grate	POA
-W	Seepage Holes	POA
-316G	CF8M Grate	POA
-304G	CF8 Grate	POA

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body with Sediment Bucket and Heavy Duty Loose Set Polished Bronze Grate.



Butt Weld Outlet

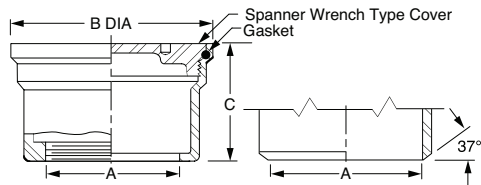
A OUTLET SIZE	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	APPROX. WT. LBS.
02"	POA	POA	3
03"	POA	POA	5
04"	POA	POA	7

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Elbow with Butt Weld Inlet Connection and Plain End Spigot Outlet.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, †40, or 80	POA
Spigot	S02, S03, S04	POA

FIG. 9760 ROUND DECK PLUG



Butt Weld Outlet

A OUTLET SIZE	B DIA. CAULK	*BUTT WELD CAULK	C CAULK	*BUTT WELD CAULK	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
02"	4 1/2"	4 1/2"	3"	3"	POA	POA	POA	5
03"	5 1/2"	4 1/2"	3"	3"	POA	POA	POA	5
04"	7 1/2"	5 1/2"	▲ 3 1/4"	3 1/4"	POA	POA	POA	10

▲ 3 1/8 for threaded outlet.

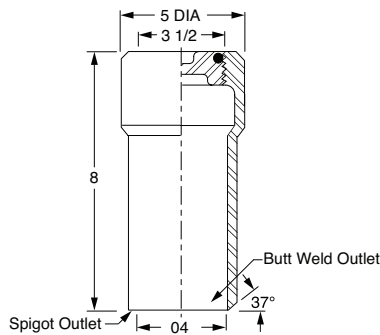
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Cover with Gasket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld*	Specify Fig. Number 9762	Call Factory
Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-SW	Steel Spanner Wrench	POA

FIG. 9770 FERRULE AND PLUG



OUTLET SIZE	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
04"	POA	POA	POA	10

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Plug with Gasket.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW04 Specify Schedule 5, 10 or †40	POA

OPTIONS:		ADD
-SF	Satin Finish Top	POA

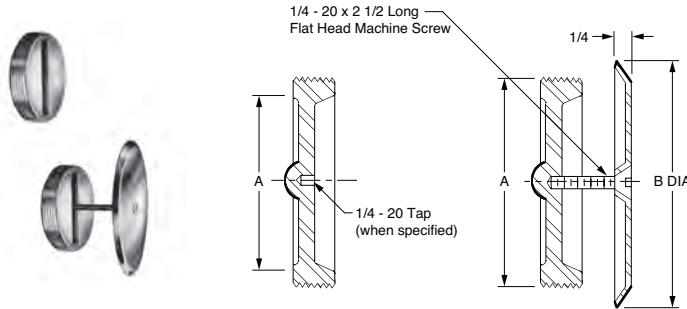


Fig. 9775

Fig. 9776

FIGURE NO.	A OUTLET SIZE	B DIA. COVER SIZE	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
9775	03"	—	POA	POA	POA	3
	04"	—	POA	POA	POA	5
9776	03"	5 1/2"	POA	—	—	3
	04"	7 1/4"	POA	—	—	5

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Plug. Screw with Polished Stainless Steel Cover Plate as Indicated by Figure Number.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

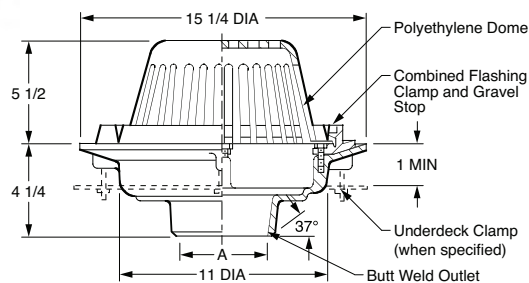
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T03, T04	POA

OPTIONS:		ADD
-LS	6" Long Center Screw (Fig. 9776)	POA
-TP	Plug Tapped 1/4-20 Thread (Fig. 9775)	POA
-U	Vandal Proof Screws (Fig. 9776)	POA

FIG. 9780 LARGE GENERAL PURPOSE ROOF DRAIN



▲5 When No-Hub is specified.



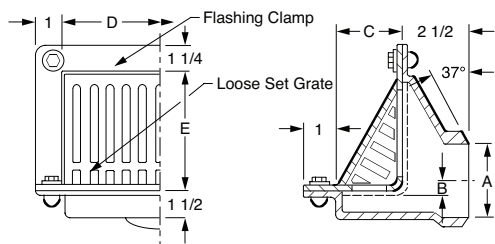
A OUTLET SIZE	FREE AREA SQ. IN.	†-CF8 (304) SS BODY, COLLAR POLY DOME	-CF8M (316) SS BODY, COLLAR POLY DOME	-A27 STL BODY, COLLAR POLY DOME	APPROX. WT. LBS.
03, 04"	102.5	POA	POA	POA	35
06"	102.5	POA	POA	POA	37

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body. Combined Flashing Collar and Gravel Stop and Polyethylene Dome.

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04, BW06 Specify Schedule 5, 10, †40, or 80	POA
No-Hub	Y03, Y04, Y06	POA

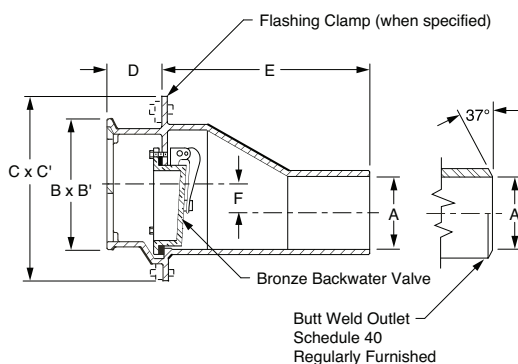
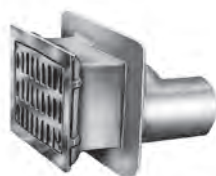
OPTIONS:		ADD
-A27D	Carbon Steel Dome	POA
-A27C	Carbon Steel Clamping Collar	POA
-C	Underdeck Clamp (Type 304)	POA
-CID	Cast Iron Dome	POA
-R	Sump Receiver (Galvanized Steel)	POA
-SD	Secured Dome	POA
-U	Vandal Proof	POA
-304D	Type 304 Steel Dome	POA
-316C	Type 316 Clamping Collar	POA
-316D	Type 316 Steel Dome	POA



A OUTLET SIZE	B	C	D	E	†-CF8 (304) SS BODY, NB FRAME AND GRATE	-CF8M (316) SS BODY, NB FRAME AND GRATE	-A27 STL BODY NB FRAME AND GRATE	APPROX. WT. LBS.
02, 03"	1/4"	3 1/4"	8 3/4"	5"	POA	POA	POA	17
04"	1/2"	3 1/4"	8 3/4"	5"	POA	POA	POA	17
05, 06"	1 3/4"	4"	10 1/2"	6 1/2"	POA	POA	POA	25

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body with Nickel Bronze Loose Set Grate and Clamping Collar.

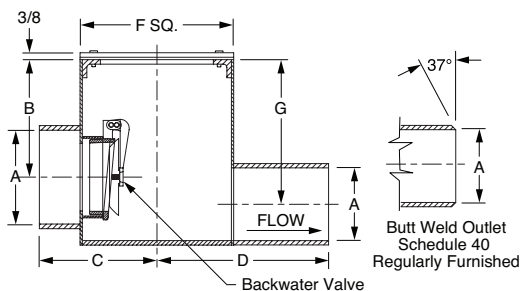
FIG. 9790 PIT DRAIN WITH BACKWATER VALVE



A OUTLET SIZE	B x B'	C x C'	D	E	F	FREE AREA SQ. IN.	†-CF8 (304) STAINLESS STEEL	-CF8M(316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
03, 04"	6 3/4 x 9 1/2"	10 1/4 x 12"	3"	11 1/4"	2 3/4"	15.07	POA	POA	POA	47
05, 06"	7 3/4 x 11"	9 3/4 x 13"	4"	13 1/4"	1 1/4"	24.57	POA	POA	POA	76
08"	12 1/2 x 14 1/2"	17 1/4 x 19"	4"	22"	3 1/2"	56.14	POA	POA	POA	164

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body with Secured Grate and Bronze Backwater Valve.

FIG. 9795 BACKWATER VALVE



A OUTLET SIZE	B	C	D	F SQ.	G	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS.
03"	6 1/4"	5 3/4"	9"	7 1/2"	7 1/2"	POA	POA	POA	47
04"	6 1/2"	6 1/2"	9 1/2"	8 1/2"	8"	POA	POA	POA	76

REGULARLY FURNISHED: Fabricated Type 304 Stainless Steel Body, Bolted Cover and Bronze Backwater Valve.

**FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR
LOCAL JAY R. SMITH REPRESENTATIVE**

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 BW05, BW06 Specify Schedule 5, 10, †40 or 80	POA
T	Threaded Outlet	POA

OPTIONS:		ADD
-A27G	Carbon Steel Frame and Grate	POA
-U	Vandal Proof Screws	POA
-304G	Type 304 Grate (02-04")	POA
-304G	Type 304 Grate (05-06")	POA
-316G	Type 316 Grate (02-04")	POA
-316G	Type 316 Grate (05-06")	POA
-304C	Type 304 Clamping Collar (02-04")	POA
-316C	Type 316 Clamping Collar (02-04")	POA

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04, BW05 BW06, BW08 Specify Schedule 5, 10, †40 or 80	POA
Spigot	S03, S04, S05 S06, S08	POA

OPTIONS:		ADD
-A27G	Carbon Steel Grate	POA
-C	Galv. Clamping Collar	POA
-U	Vandal Proof	POA
-V	Type 304 SS Backwater Valve	POA
-316G	Type 316 Grate	POA
		DEDUCT
-CIG	Cast Iron Grate	POA

OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04 Specify Schedule 5, 10, †40 or 80	POA

OPTIONS:		ADD
-U	Vandal Proof	POA

INSTALLATION DATA FOR STAINLESS STEEL CARBON STEEL DRAINS AND CLEANOUTS

FOR ANCHORING

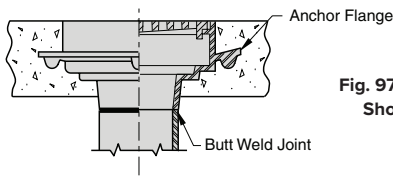


Fig. 9710BW
Shown

Floor drains with integral flanges are ideal for anchoring in slab. Regularly furnished with no seepage holes.

FOR ANCHORING AND SEEPAGE

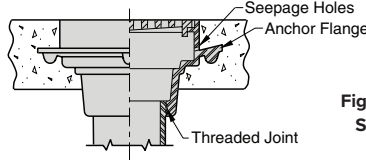


Fig. 9710T
Shown

Seepage holes are furnished only when specified. Seepage holes permit moisture which may seep through concrete to collect on drain flange and flow back into drain.

FOR WATERPROOF FLOORS

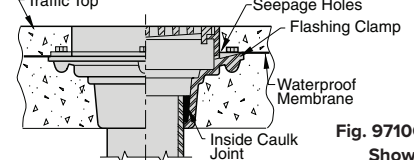


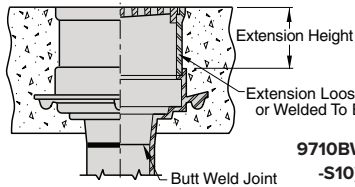
Fig. 9710C (-C)
Shown

Flashing Clamp -C furnished when specified to clamp waterproof membrane to drain body flange. Seepage holes are always furnished with flashing clamp.

FLOOR DRAINS WITH EXTENSIONS

FIXED

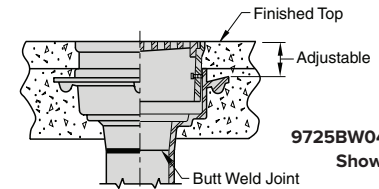
Extension 4" high regular. Specify lower or higher. End of extension is machined (O.D.) to fit snugly in grate recess of drain body. May be laid in loose or welded in field.



9710BW04 (-E04, -S10)
Shown

ADJUSTABLE

When limited adjustment to varying finished floor is required, the adjustable top is applicable. Ideal for use where slab thickness may vary slightly. This top can be adjusted before final pour is made. Ideal for "Two Pour" construction where finished traffic deck thickness may vary.

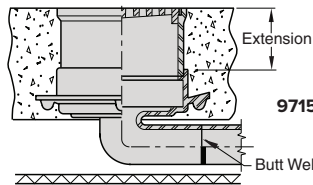


9725BW04 (-S10)
Shown

SIDE OUTLET DRAINS

8 1/2" TOP WITH EXTENSION

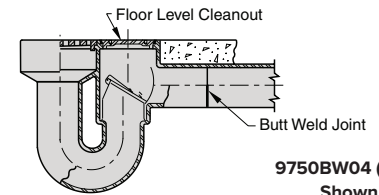
Fixed extension will permit installer to rough side outlet under slab. Side outlet connection enables joint to be below slab and piping directed to side wall.



9715BW04 (-S10)
Shown

INTEGRAL TRAP TYPE

Installed where side outlet and integral trap are required, and drain must be installed in the slab. Combines all required features (including floor level cleanout) in one casting.



9750BW04 (-S10)
Shown

DECK PLUG

Installed directly on pipe end and imbedded in concrete slab. Cover is threaded and gasketed.

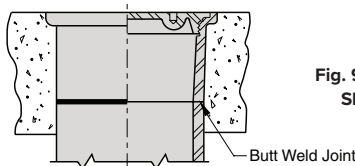


Fig. 9760BW
Shown

CLEANOUTS

FLOOR DRAIN TYPE

Floor drain type with solid scoriated cover and internal gasketed closure plug makes an ideal floor cleanout in construction where a flange is required as an anchor or to receive a flashing clamp. For adjustable top use 9735 series.

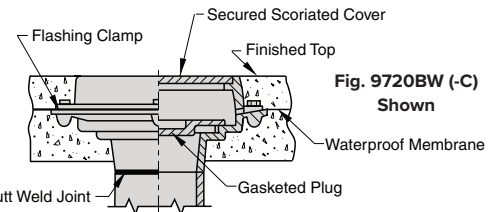


Fig. 9720BW (-C)
Shown

FUNNEL TYPE

All Floor drains can be converted to an indirect waste drain by adding funnel to top of grate.

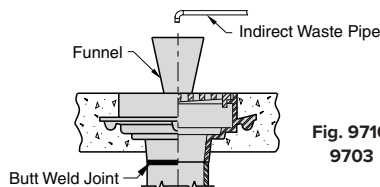


Fig. 9710BW with 9703
Shown

INDIRECT WASTE DRAINS

RECEPTOR TYPE

Indirect waste (open sight) drain mounted above floor Fig. 9740 Series 4 x 8 or 6 x 12. Rectangular shape permits installation against side wall with short dimension protruding away from wall.

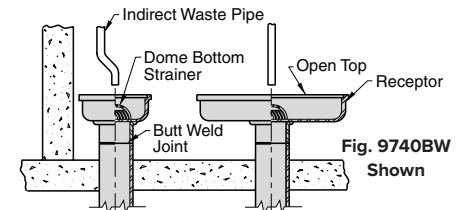
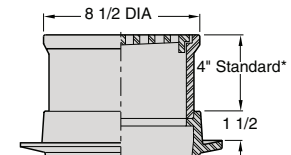
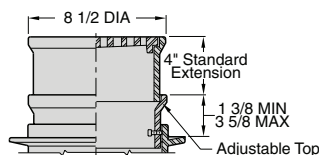


Fig. 9740BW
Shown

FIXED EXTENSIONS FOR 8 1/2" ROUND TOP DRAINS (SUFFIX -E)

9725 (-E04)
Shown



9710 (-E04)
Shown

Used to accommodate deep floor slabs or where distance from flange to top of drain has to be increased. End of extension is machined to fit snugly in grate recess of drain body. May be installed loose set or field welded to drain body. Available with all 8 1/2" round top drains; Series 9705, 9710, 9715, 9720, 9725, 9735 and 9750. See Fig. Nos. 9725 and 9735 when an adjustable type extension is desired. *4" height is standard. Longer or shorter heights as specified. Min. extension height is 1".

CONSULT SMITH SALES ENGINEERING DEPT. FOR UNUSUAL APPLICATIONS AND INSTALLATIONS

CORROSION RESISTANCE DATA



CONSULT SMITH SALES ENGINEERING DEPARTMENT

TYPICAL CORROSION RESISTANCE OF STAINLESS STEELS TO VARIOUS MEDIA

CODE: a-Unaffected, b-Slightly attacked, c-Attacked, m-Complete details concerning the conditions of service must be evaluated.

TYPE NUMBERS			TYPE NUMBERS		
MEDIUM	CF8 (304)	CF8M (316)	MEDIUM	CF8 (304)	CF8M (316)
ORGANIC SUBSTANCES			Copper sulfate (plus 2% sulfuric acid)	a	a
Acetone	a	a	Copper sulfate	a	a
Benzol	a	a	Creosote	c	a
Carbon tetrachloride	c	c	Creosote (plus 3% salt)	c	c
Ethyl alcohol	a	a	Hydrogen peroxide	b	a
Ethyl chloride	a	a	Magnesium carbonate	a	a
Ethyl ether	a	a	Magnesium chloride	m	m
Food pastes	a	a	Magnesium sulfate	a	a
Fruit juices	a	a	Magnesium hydroxide	a	a
Ink	m	m	Magnesium nitrate	a	a
Mustard	b	a	Phosphorous trichloride	a	a
Paregoric compd	a	a	Potassium bromide	a	a
Quinine bisulfate	b	a	Potassium carbonate	a	a
Quinine sulfate	a	a	Potassium chloride	m	m
Vinegar at 70° F	m	m	Potassium chlorate	a	a
ACIDS			Potassium cyanide	a	a
Acetic	m	m	Potassium dichromate	a	a
Benzoic	a	a	Potassium ferricyanide	a	a
Boric	a	a	Potassium ferricyanide (boiling)	a	a
Carbolic	a	a	Potassium hypochlorite	c	m
Chromic (50%)	c	c	Potassium iodide	a	a
Citric	a	a	Potassium iodide (sat. plus 0.1% sodium carbonate evaporated to dryness)	a	a
Formic	c	m	Potassium hydrate	a	a
Hydrobromic	c	c	Potassium nitrate	a	a
Hydrocyanic	a	a	Potassium oxalate	a	a
Hydrochloric	c	c	Potassium permanganate	a	a
Hydrofluoric	c	c	Potassium sulfate	a	a
Lactic	a	a	Silver nitrate	a	a
Nitric (conc.)	a	a	Silver cyanide	a	a
Nitric (conc. plus 2% HCl)	a	..	Sodium bicarbonate	a	a
Nitrous (conc.)	a	a	Sodium borate	a	a
Oxalic	m	m	Sodium bromide	a	a
Phosphoric	a	a	Sodium chloride (2% aerated)	a	a
Phosphoric (10%)	a	a	Sodium citrate	a	a
Picric (conc.)	a	a	Sodium fluoride	b	.
Phyrogall (conc.)	a	a	Sodium hydroxide	a	a
Pyroligneous (conc.)	a	a	Sodium nitrate	a	a
Stearic (conc.)	a	a	Sodium peroxide (212° F)	a	a
Succinic (molten)	c	..	Stannic chloride	c	c
Sulfuric (conc.)	a	a	Stannous chloride	b	.
Sulfuric (dil.)	m	m	Sulfar (molten) (500° F)	a	a
Sulfuric 15% (plus 2% potassium dichromate)	a	a	Sulfar chloride	b	.
Sulfurous (conc.)	b	a	Titanium tetrachloride	a	a
Tannic (conc.)	a	a	Zinc chloride	c	b
Tartaric (conc.)	a	a	Zinc sulfate	a	a
Trichloroacetic acid (10%)	a	a	MISCELLANEOUS		
Uric (conc.)	a	a	Ammonia	a	a
SALTS			Baking oven gases	a	a
Aluminum chloride	c	c	Bromine	c	c
Aluminum fluoride	c	b	Carbonated beverages	a	a
Aluminum sulfate	a	a	Chlorine (wet and dry)	c	c
Ammonium alum	a	a	Glycerin	a	a
Ammonium bromide	c	a	Hydrogen sulfide (400° F)	b	a
Ammonium chloride	b	a	Iodine	c	a
Ammonium hydroxide	a	a	Lead (molten)	c	c
Ammonium nitrate	a	a	Lysol	m	m
Ammonium sulfate	a	a	Mercury	a	a
Barium chloride	a	a	Sauerkraut brine	c	a
Bleaching powder	c	a	Sea water	m	m
Calcium chloride	c	a	Sulfur dioxide	b	b
Calcium hydroxide or oxide	a	a	Vegetable juices	a	a
Copper chloride	c	c	X-ray developing solution	b	a
Copper cyanide	a	a	Zinc (molten)	c	c
Copper nitrate	a	a			

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