PG-CF

SMITH YELLOW PAGES • PG-CF PRODUCT GUIDE

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TYPICAL PAGE

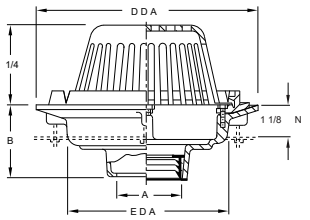
To help you use this price guide as an effective working aid, it has been organized to make specifying and ordering easy. Note the following highlights and features.

ROOF DRAINS

SMITH® CUSTOMER DRIVEN SINCE 1926

FIG. 1010 16" DIAMETER - LOW PROFILE DOME

Large, accurate photographs of actual product.



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

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

*This dimension is for 16" dia. flange size body. For 20" flange size body dimension is 7 3/4".

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	**480.00**	**582.00**	28
05, 06"	15 1/4"	11"	102.5	**680.00**	**782.00**	28
08"	16"	12 1/2"	102.5	**680.00**	**782.00**	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	**2,663.00**	**3,201.00**	34
10"	16"	12 1/2"	122.5	**2,663.00**	**3,201.00**	36
10"	20"	16"	228	**2,933.00**	**3,471.00**	36
12"	20"	16"	228	**3,147.00**	**3,685.00**	40

REGULARLY FURNISHED: Shows what is furnished

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

OPTIONS:

-AA	Aluminum Body (2-6" only)
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)
-C	Cast Iron Underdeck Clamp (20" Flange Bodies)
-C2	Secondary Flashing Clamp
-CID	CI Dome (when not reg. furn.)
-CID8	8" High CI Dome
-CIDG	Cast Iron Dome **with** Galvanizing
-CL	Angular Underdeck Clamp
-DE	Deck Elevator Extension
-DID	Drain Installation Device 2-6"
-E	Extension up to 4" per inch over 4"
-G	Galvanized CI
-GRT	CI Grate in lieu of Dome
-PDSSM	SS Mesh on Poly Dome
-R	Sump Receiver (15 & 16" Flange Bodies)
-R	Sump Receiver (20" Flange Bodies)
-RBD	Rough Brz Dome
-RDP	Roof Deck Plate (15 & 16" Flange)
-RDP	Roof Deck Plate (20" Flange)
-SSM	SS Mesh on Metal Dome (Specify Dome)
-U	Vandal Proof Dome

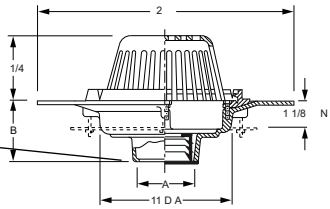
OPTIONS: Availability of alternative finishes and metals also indicates availability of parts (optional additions or substitutes)

Suffix Letter

FIG. DX1010 WIDE FLANGE BODY - SECURED DOME

Subheadings indicate specific category

Accurate, clean, drawings include necessary dimensions and significant descriptive information.



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

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

A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ IN	†DUCO CI POLY DOME	APPROX. WEIGHT LBS
02, 03, 04"	20"	102.5	**1,664.00**	50
05, 06"	20"	102.5	**1,831.00**	50

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

OPTIONS:

-AD	Aluminum Dome
-C	Aluminum Underdeck Clamp
-CID	CI Dome
-CIDG	Cast Iron Dome **with** Galvanizing
-CID8	8" High CI Dome
-CL	Angular Underdeck Clamp
-G	Galvanized CI
-PDSSM	SS Mesh on Poly Dome
-RBD	Rough Bronze Dome
-SH	Securing Holes
-SSM	SS Mesh on Metal Dome
-U	Vandal Proof Dome

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

Page Number

106

†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.

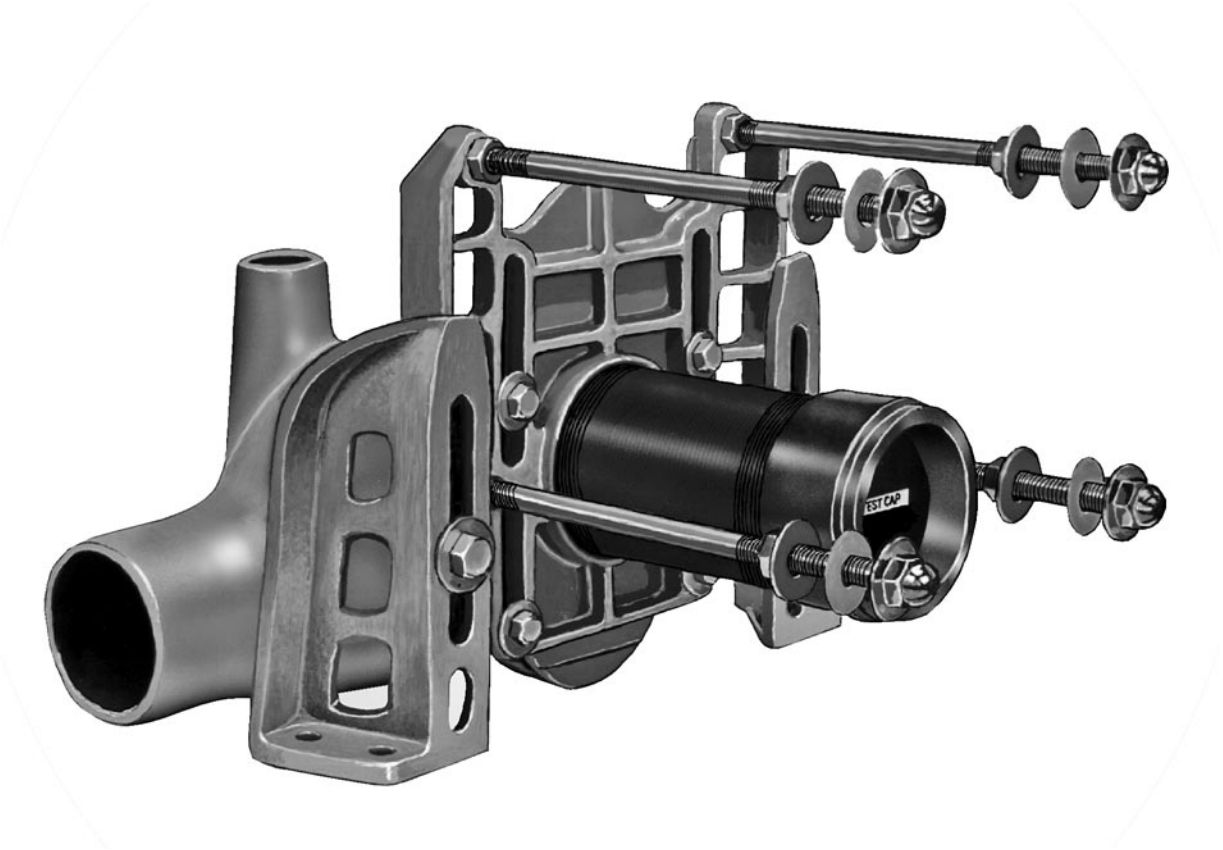
CHROME PLATED -CP Smith Chromium Plated Bronze is ideal for installations in walls, gutters, and other areas where a bright decorative finish is desired, not subject to the abrasive action of foot and other traffic. It is not recommended for installations where abrasion will eventually wear through and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


EST CAP

ORDERING GUIDELINES

0100-0600 SERIES

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

Examples:

0211LY

Figure No.

Type of Fitting (Left Hand)

Type of Connection (NO-HUB)

0544DY

Figure No.

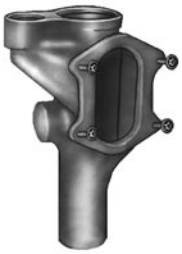
Type of Fitting (Double)

Type of Connection (NO-HUB)

WATER CLOSET SUPPORTS

ADJUSTABLE WATER CLOSET SUPPORTS WITH FITTINGS

Single - Vertical
with 2 Side Hub Inlets



Single - Vertical

Single - Vertical
Long Barrel

Double - Vertical
with 2 Side Hub Inlets

Single - Vertical
Long Barrel with 2 Side Hub Inlets

Double - Horizontal

Single - Horizontal

"Linebacker"

Fig. 0115-0250

HORIZONTAL - VERTICAL FITTINGS

WATER CLOSET SUPPORTS

COMPACT WATER CLOSET SUPPORTS WITH VERTICAL FITTINGS

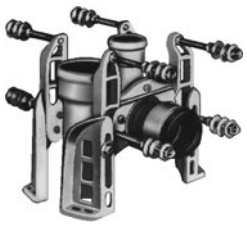


Fig. 0400

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

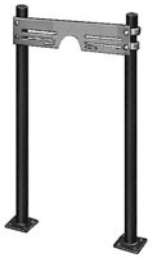
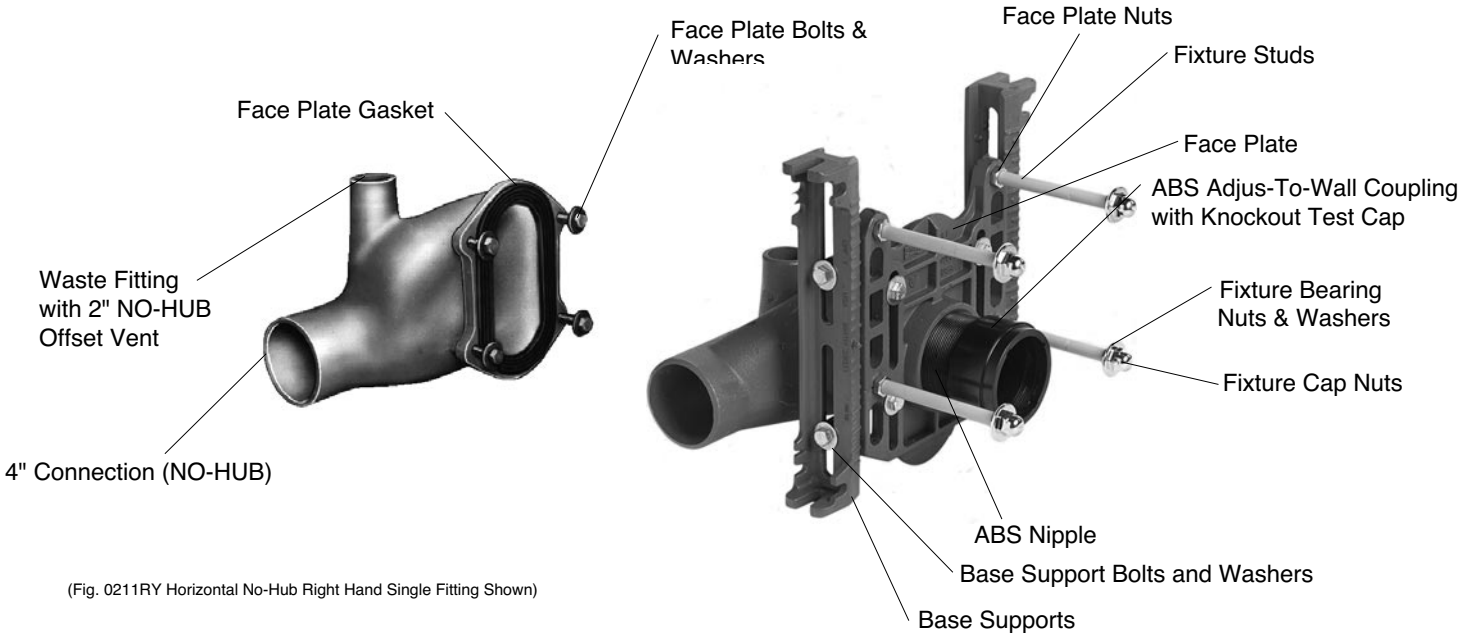


Fig. 0629-0637

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 nonconformance 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

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.

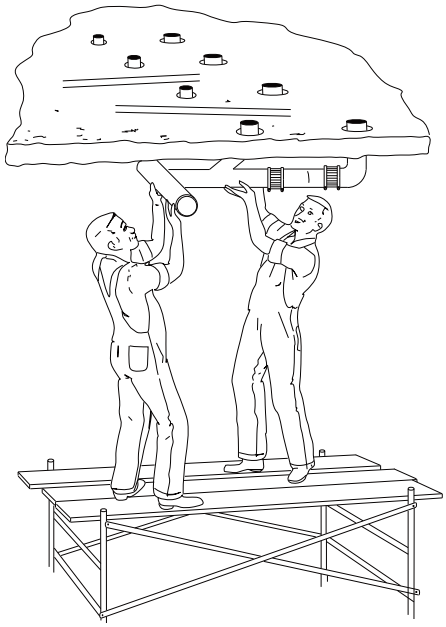


Fig. 1
INSTALLING PIPING FOR FLOOR MOUNTED FIXTURES

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.

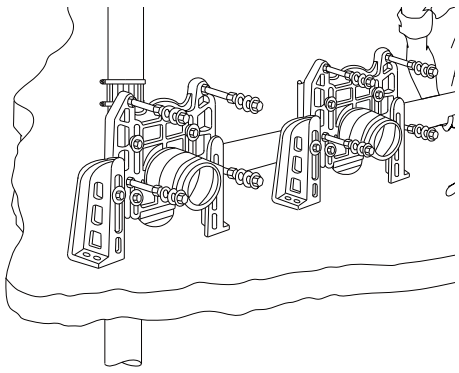
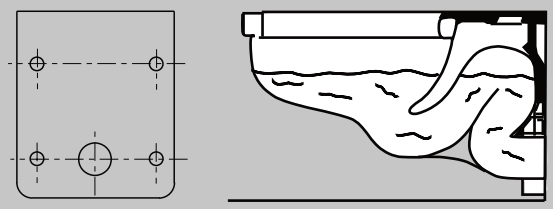


Fig. 2
INSTALLING PIPING FOR "OFF THE FLOOR" FIXTURES

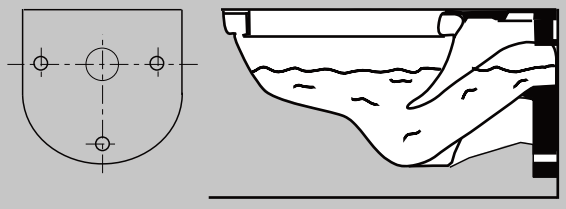
Sanitation--After the building is turned over to the owners, cost for cleaning in the area under the "off the floor" water closets is considerably less than in similar areas which have floor mounted fixtures. A mop is easily passed under off the floor fixtures thoroughly cleaning the floor beneath as 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

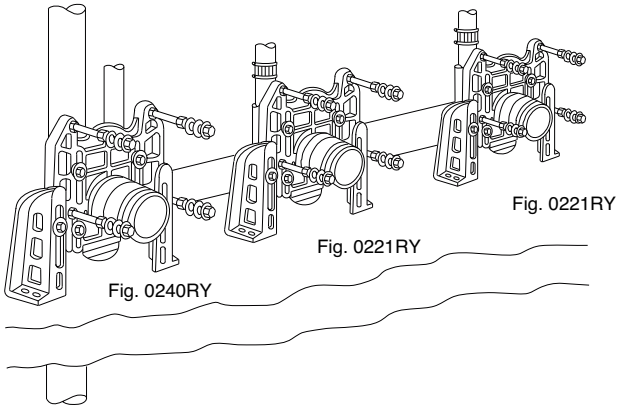
The siphon jet bowl is the most common because its action is relatively silent and economical in water usage. It operates by a jet of water directed through the trapway which quickly fills and starts the siphonic action immediately upon flushing. Its quiet action and large water surface, among other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



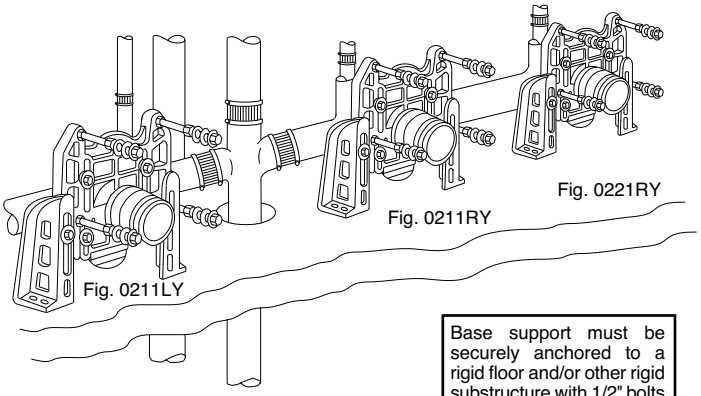
BLOWOUT

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.



Base support must be securely anchored to a rigid floor and/or other rigid substructure with 1/2" bolts furnished by others.

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

The architects 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 engineers drainage and vent system design must be in accordance with the local plumbing code in force.

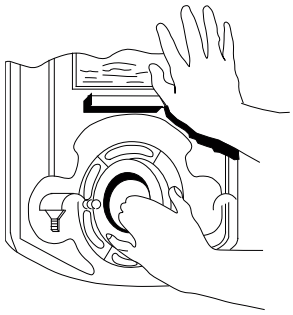
SUFFIX -M17 WATER CLOSET SETTING GAUGE

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.

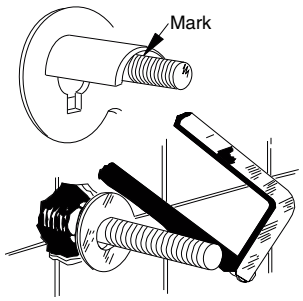
Features of the Closet Setting Gauge include:

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.

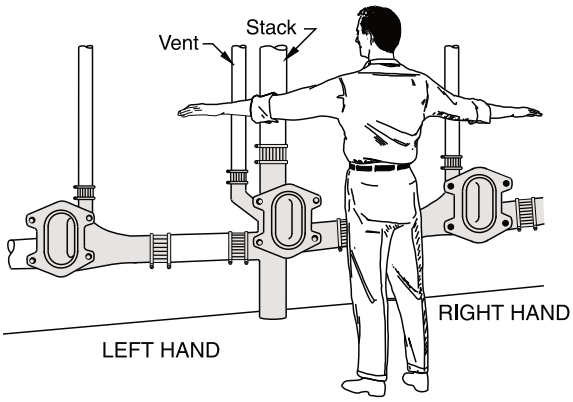


Hold gauge tight against wall and adjust outlet coupling flush with pad corresponding to closet horn depth.

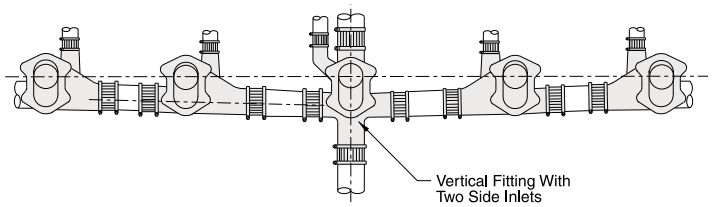


Hold gauge tight against bearing nuts and washers, and mark cut-off point of studs flush with gauge extensions. Remove gauge and cut off studs. Install bowl.

SELECTION OF VERTICAL FITTING WITH SIDE INLETS

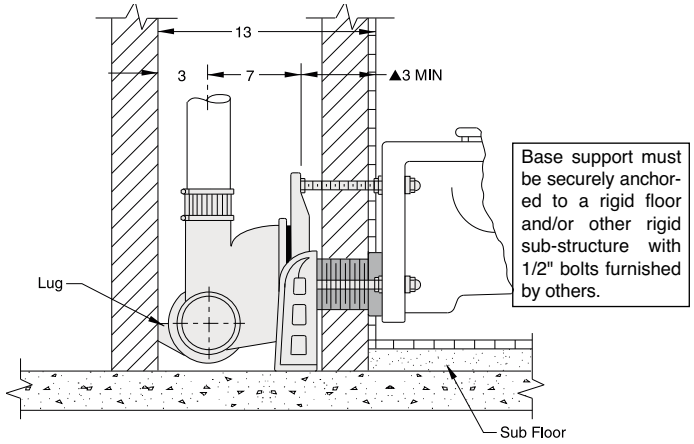


Selecting the proper vertical stack fitting is of prime importance since that fitting with side inlets is the start of the horizontal battery of fittings and supports. To determine left or right hand fitting, face the stack from the fixture side of the wall. If the inlet is to the left of the stack, 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.*

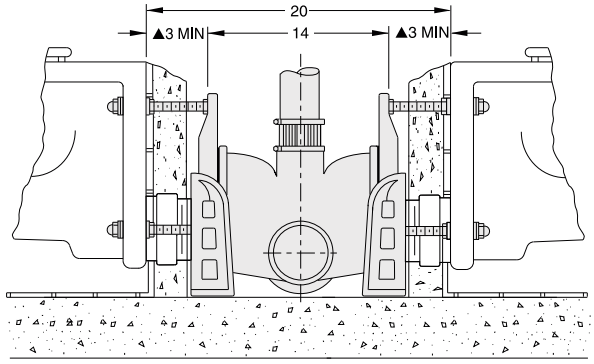


TYPICAL INSTALLATION

▲SPACE REQUIREMENTS FOR SINGLE AND DOUBLE HORIZONTAL SUPPORTS

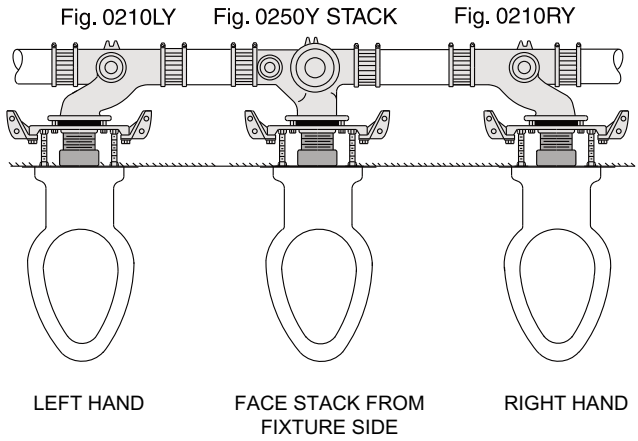


▲3" minimum shown is attained using Regularly Furnished ABS Nipple and Adjus-to-Wall Coupling.
Absolute Minimum of 1 1/2" is available using short butt end nipple, less Adjus-to-Wall Coupling.



Shown is the minimum pipe space required for a single and double horizontal support.

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

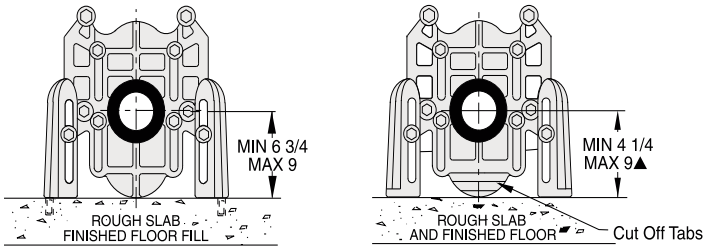


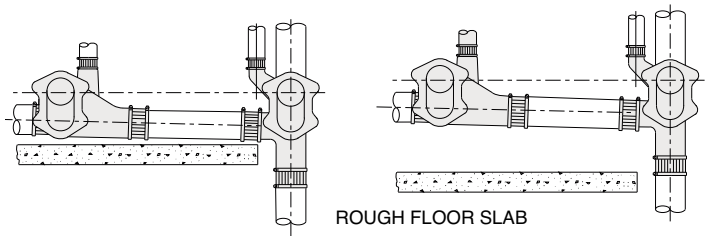
Fig. 0100 Fig. 0200

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

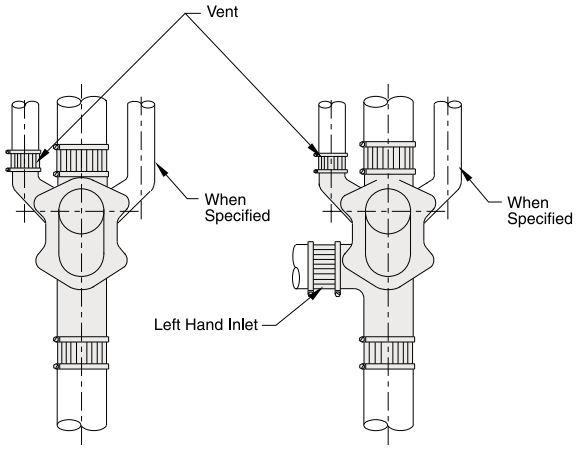


SIPHON JET BLOWOUT

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.

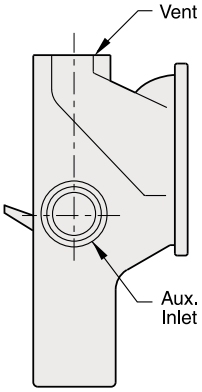
Blowout--The location of the side inlet should be set in the lowest position from center line of the closet outlet to center line of side inlet.

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

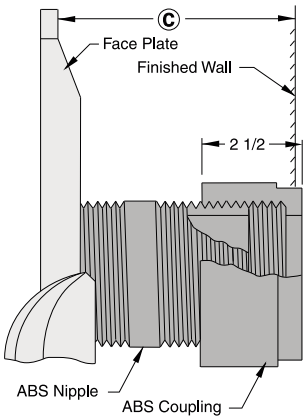


NOTE: Vent and auxiliary inlet, are always located on same side (unless otherwise specified).

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.

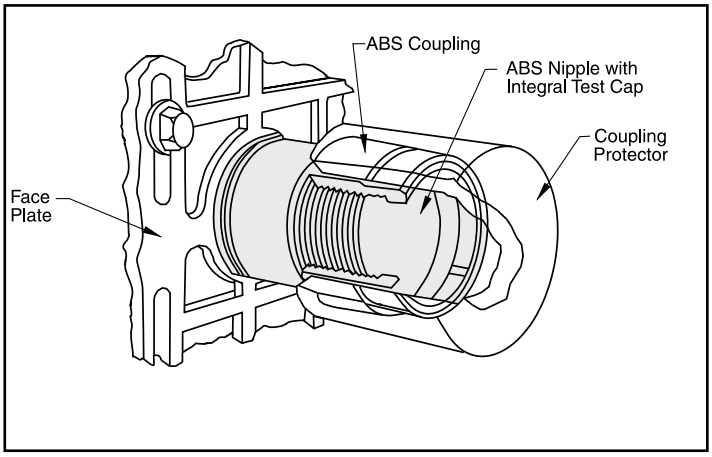


NIPPLE LENGTH	© MIN	© MAX
2 1/2	2 1/4	3 1/4
*3 1/4	3	4
*8 1/4	8	9
10	9 3/4	10 3/4
12	11 3/4	12 3/4
15	14 3/4	15 3/4
18	17 3/4	18 3/4

*ABS (Regularly Furnished) other lengths PVC.

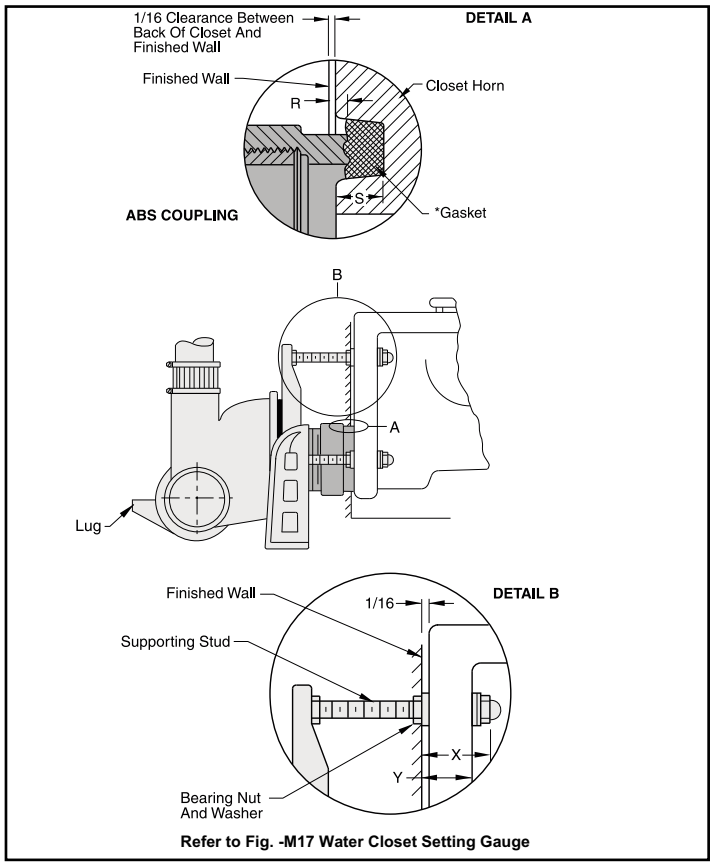
NOTE: When nipple lengths between 3 1/4" and 8 1/4" are specified, the 8 1/4" nipple will be supplied and must be cut to length by others.

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



Refer to Fig. -M17 Water Closet Setting Gauge

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

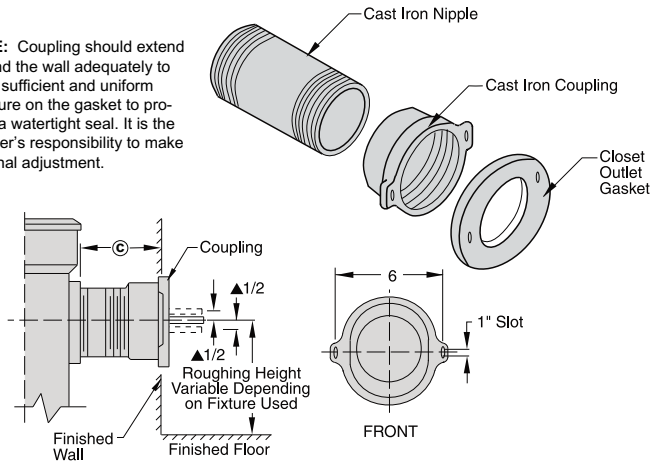
X = Distance supporting stud should extend beyond finished wall.
Y = Thickness of closet wall flange.
1/16" = Distance closet is to set away from finished wall.

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

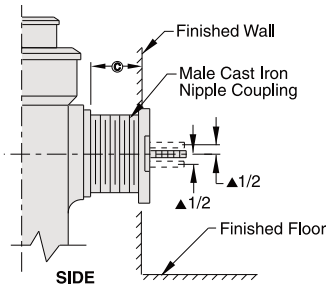
For use with floor mounted back outlet closets. Refer to previous page for proper dimension and coupling adjustment. Nipple lengths available are also listed.

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

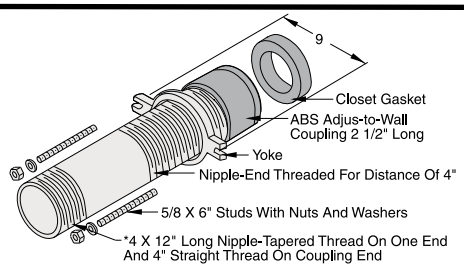


The type 2M outlet connection is used with floor mounted back outlet closets. The 2M connection is an integral nipple/coupling whose length is specified by the Ⓒ dimension. The 2M can accommodate a smaller Ⓒ dimension than the type 2 connection.

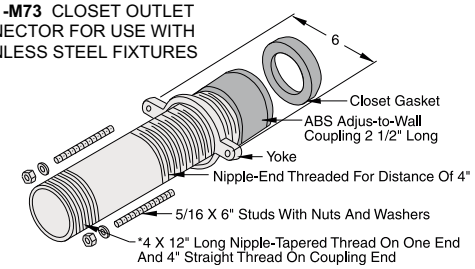
Ⓒ MIN	MAX
1	3

▲**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



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

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

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.

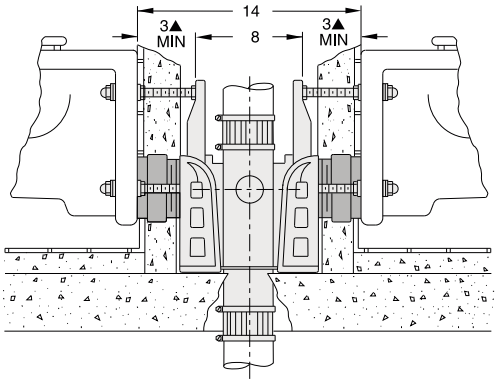
The offset waste type features an absolute minimum center to back dimension and is arranged with vertical vent connection making it suitable for multi-story installation.

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.

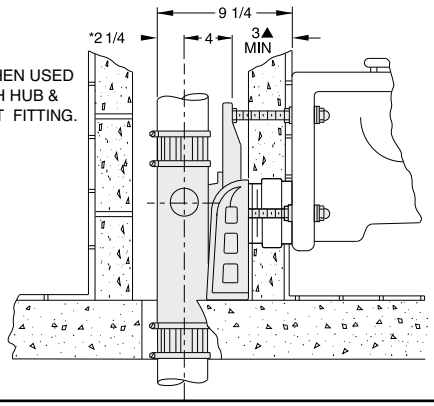
▲MINIMUM SPACE REQUIREMENTS FOR COMPACT FIXTURE SUPPORTS

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.

*3" WHEN USED WITH HUB & SPIGOT FITTING.

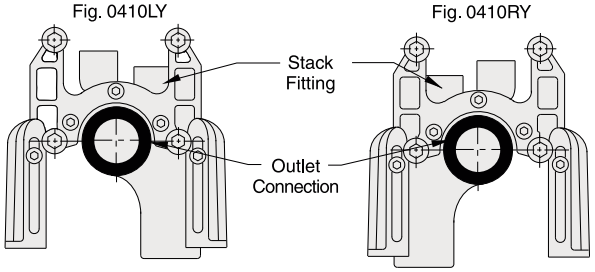


Base support must be securely anchored to a rigid floor and/or other rigid sub-structure with (4) 1/2" bolts furnished by others.

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

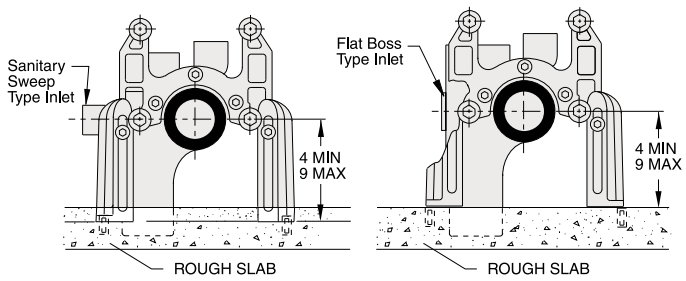
Absolute Minimum of 1 1/2" is available using short butt end nipple, less Adjus-to-Wall Coupling.

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

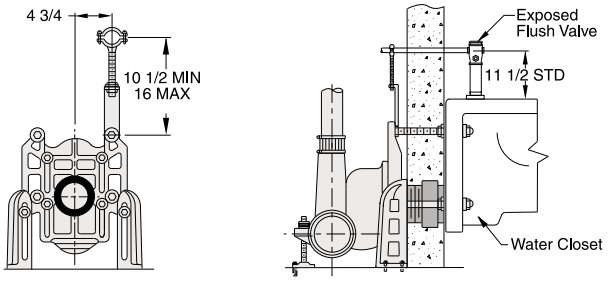


Adjustment limitations are shown above for both one and two-pour construction.

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.

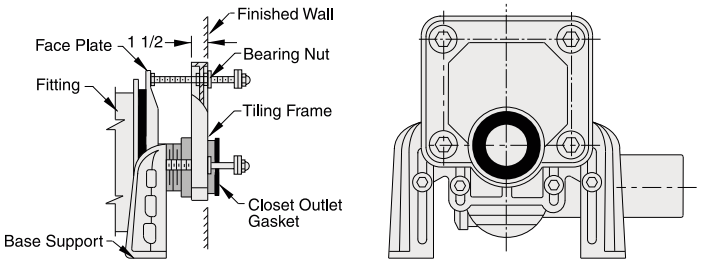
OPTIONAL ACCESSORIES FOR WATER CLOSET SUPPORTS

SUFFIX -M12 EXPOSED FLUSH VALVE SUPPLY SUPPORT



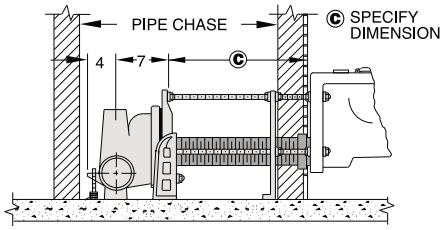
Provides support and alignment for the supply pipe to an exposed flush valve. Available for either blowout or siphon jet fixture supports; must be specified for either 1" copper tube or 1" iron pipe.

SUFFIX -M13 TILING FRAME



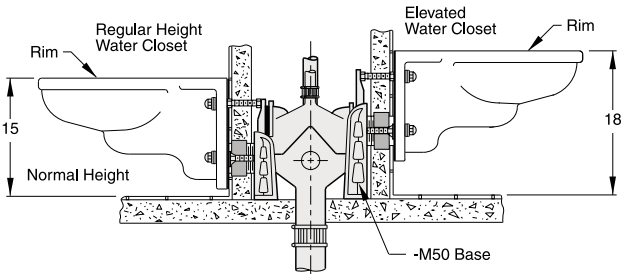
The purpose of this frame is to provide a rim for a flat even surface for the tiler to work to when he is applying the finished wall tile. The end result is an even finish around the frame, thus eliminating any irregular edges and uneven surfaces which can otherwise interfere with the installation of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

SUFFIX -M40 WATER CLOSET SUPPORT FOR WIDE PIPE CHASE



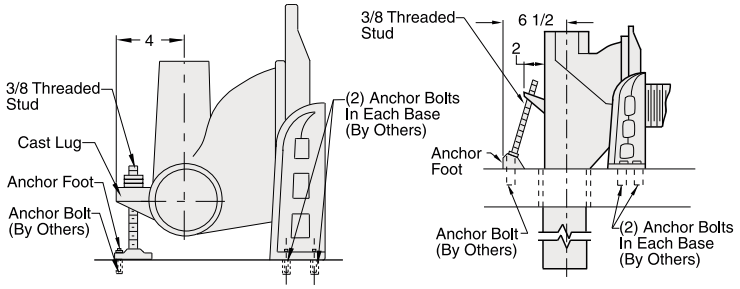
When the © dimension exceeds 7", the -M40 Wide Pipe Chase Support should be used. This accessory provides a set of feet directly behind the wall to give extra rigidity where it's most needed. An alignment yoke is furnished to ensure proper alignment of the nipple. For double (back-to-back) installations, 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.

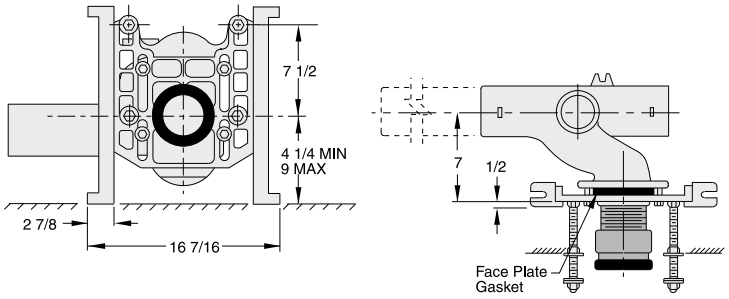
SUFFIX -M51 ANCHOR FOOT



HORIZONTAL SUPPORT VERTICAL SUPPORT

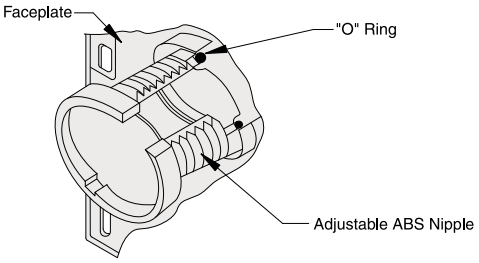
Provides back anchor support for any single horizontal or vertical fixture support. Consists of a 3/8" stud and a cast iron anchor foot. Anchor bolt to concrete must be furnished by others.

SUFFIX -M54 FACE PLATE WITH SIDE MOUNTED BASE SUPPORT ASSEMBLY



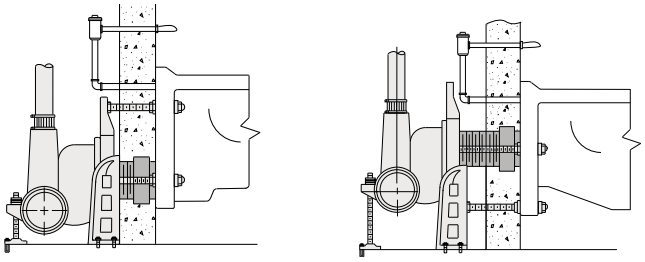
FRONT VIEW TOP VIEW

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



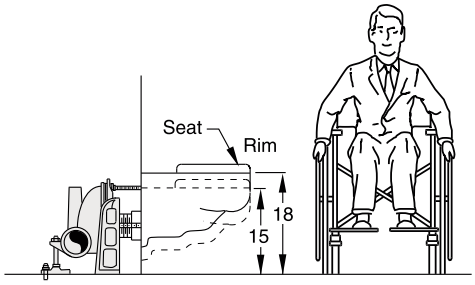
SIPHON JET BLOWOUT

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 <u>blowout water closet support</u>. 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.

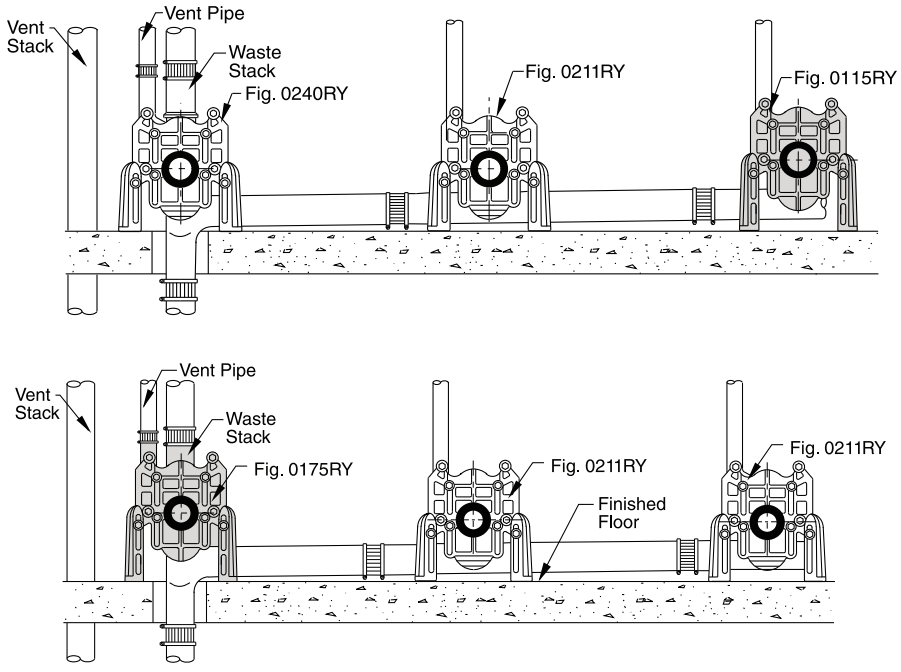


FIG. 0115, 0115Y SERIES HORIZONTAL FITTINGS FOR ELEVATED SIPHON JET WATER CLOSETS FOR WHEELCHAIR USERS DEEP ROUGH-IN TYPE

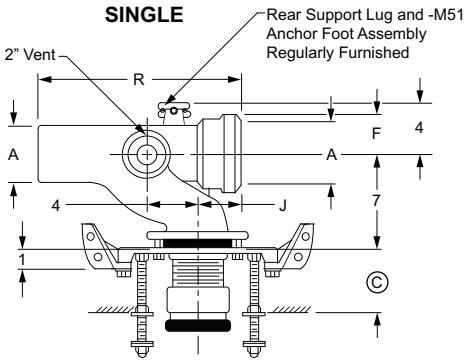


Fig. 0115R
Top View

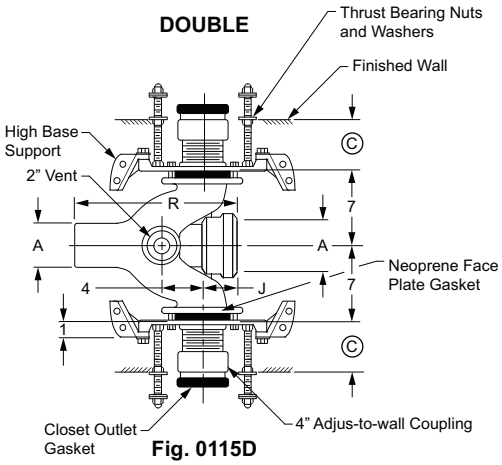
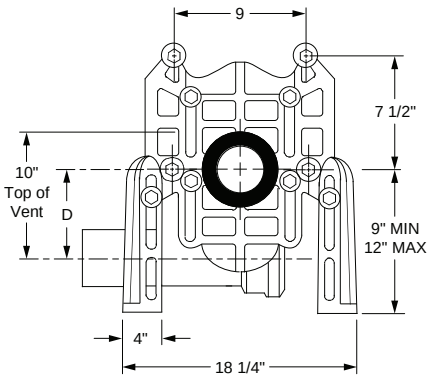


Fig. 0115D
Top View



Front View

Ⓒ 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 PIPE SIZE †04"	D MIN	D MAX	F	J	R	APPROX. WT. LBS.
CAULK	0115L	Single–Left Hand Hi-Set	**1,609.00**	4 5/8"	8 5/8"	3"	3 3/8"	16"	70
	0115R	Single–Right Hand Hi-Set	**1,609.00**	4 5/8"	8 5/8"	3"	3 3/8"	16"	70
	0115D	Double–Hi-Set	**3,010.00**	4 5/8"	8 5/8"	3"	3 3/8"	16"	134
NO-HUB	0115LY	Single–Left Hand Hi-Set	**1,609.00**	4 5/8"	8 5/8"	2 1/4"	4"	14"	7044
	0115RY	Single–Right Hand Hi-Set	**1,609.00**	4 5/8"	8 5/8"	2 1/4"	4"	14"	70
	0115DY	Double–Hi-Set	**3,010.00**	4 5/8"	8 5/8"	2 1/4"	4"	14"	134

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

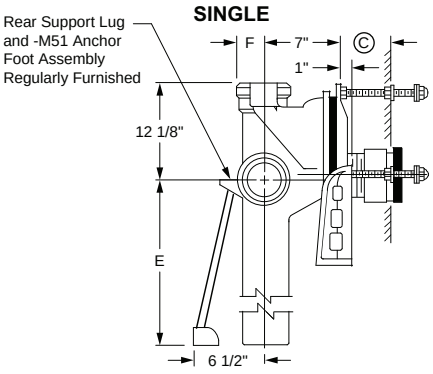


Fig. 0175L - 0185
Side View

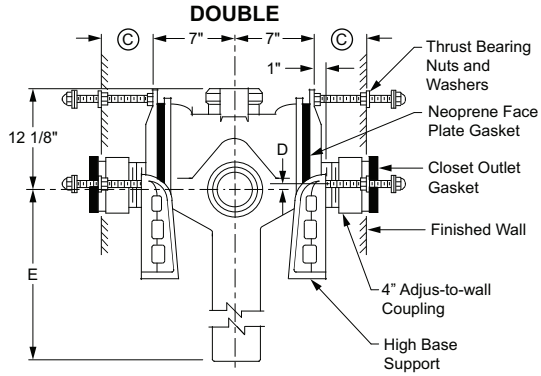


Fig. 0175D - 0185D
Side View

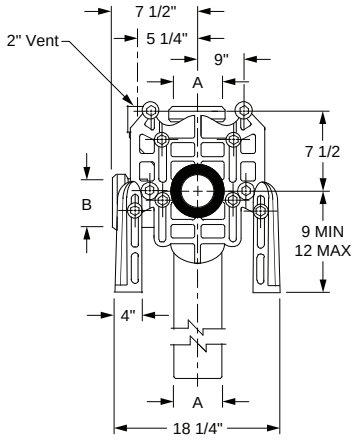


Fig. 0175L - 0185
Front View

© 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.

FIGURE NO.		TYPE OF FITTING	A PIPE SIZE †04"	B	D MIN	D MAX	E	F	APPROX. WT. LBS.
CAULK	0175L	Single–Left Hand Hi-Set with Side Inlet	**2,931.00**	04"	4 3/4"	8 3/4"	26 3/4"	3"	110
	0175R	Single–Right Hand Hi-Set with Side Inlet	**2,931.00**	04"	4 3/4"	8 3/4"	26 3/4"	3"	110
	0175D	Double–Hi-Set with Side Inlet	**4,221.00**	04"	4 3/4"	8 3/4"	26 3/4"	3"	111
	0185	Single–Hi-Set with Two Side Inlets	**3,196.00**	04"	4 3/4"	8 3/4"			50
	0185D	Double–Hi-Set with Two Side Inlets	**4,402.00**	04"	4 3/4"	8 3/4"			141
NO-HUB	0175LY	Single–Left Hand Hi-Set with Side Inlet	**2,931.00**	04"	4 3/4"	8 3/4"	10 7/8"	2 1/4"	110
	0175RY	Single–Right Hand Hi-Set with Side Inlet	**2,931.00**	04"	4 3/4"	8 3/4"	10 7/8"	2 1/4"	110
	0175DY	Double–Hi-Set with Side Inlet	**4,221.00**	04"	4 3/4"	8 3/4"	10 7/8"	2 1/4"	111
	0185Y	Single–Hi-Set with Two Side Inlets	**3,196.00**	04"	4 3/4"	8 3/4"			50
	0185DY	Double–Hi-Set with Two Side Inlets	**4,402.00**	04"	4 3/4"	8 3/4"			141

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0208Y HORIZONTAL FITTINGS FOR SIPHON JET WATER CLOSETS SHALLOW ROUGH-IN TYPE

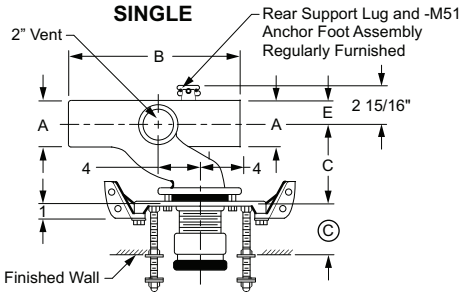


Fig. 0208RY
Top View

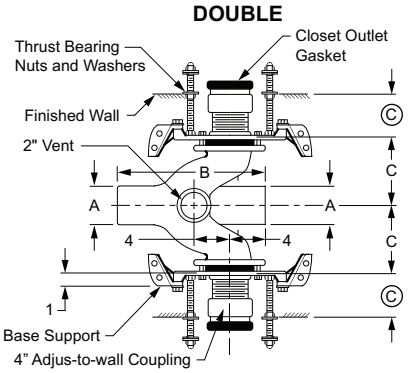


Fig. 0208DY
Top View

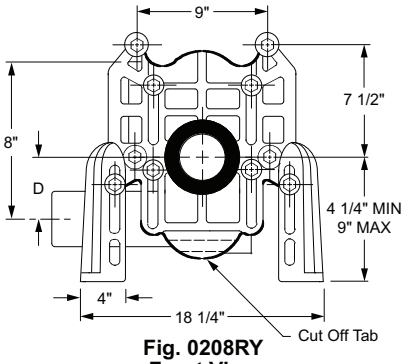


Fig. 0208RY
Front View

Ⓒ 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.

FIGURE NO.		TYPE OF FITTING	A PIPE SIZE 03"	B	C	D MIN	D MAX	E
NO-HUB	0208LY	Single–Left Hand	**1,182.00**	14"	5 5/16"	5/8"	3 3/8"	1 11/16"
	0208RY	Single–Right Hand	**1,182.00**	14"	5 5/16"	5/8"	3 3/8"	1 11/16"
	0208DY	Double	**2,043.00**	14"	5 5/16"	5/8"	3 3/8"	1 11/16"

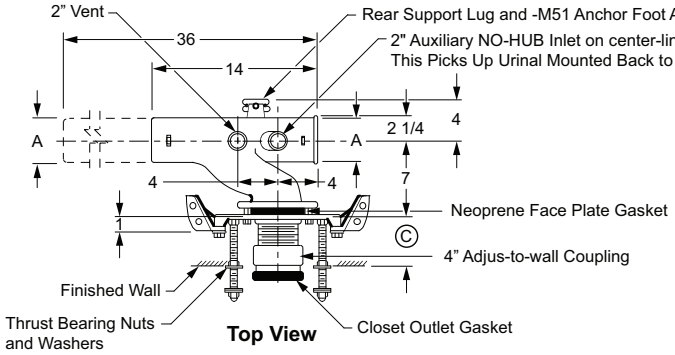
	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIXTURE SUPPORTS

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



Top View

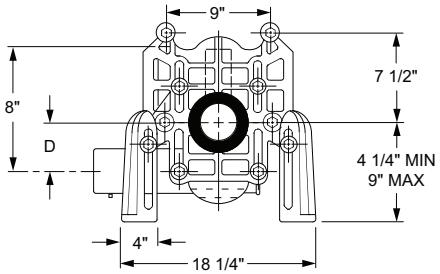


Fig. 0209Y
Front View

© 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 PIPE SIZE †04"	D MIN	D MAX	APPROX. WT. LBS.
NO-HUB	0209LY	Single–Left Hand w/Vent and 2" Aux No-Hub Inlet	**1,567.00**	5/8"	3 3/8"	61
	0209RY	Single–Right Hand w/Vent and 2" Aux No-Hub Inlet	**1,567.00**	5/8"	3 3/8"	61
	0219LY	Single–Left Hand Long Barrel with Two Vents and 2" Aux No-Hub Inlet	**2,093.00**	5/8"	3 3/8"	78
	0219RY	Single–Right Hand Long Barrel with Two Vents and 2" Aux No-Hub Inlet	**2,093.00**	5/8"	3 3/8"	78

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

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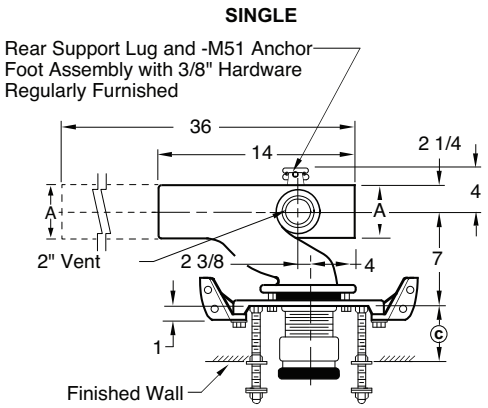


Fig. 0211RY
Top View

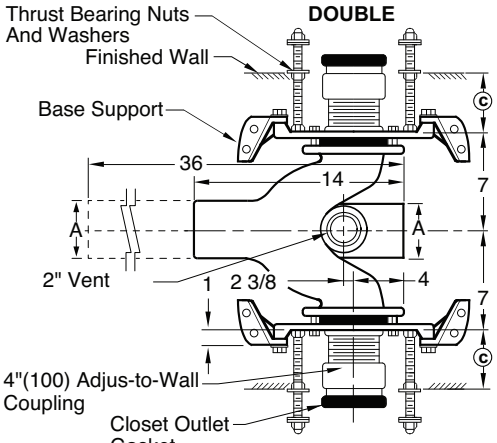
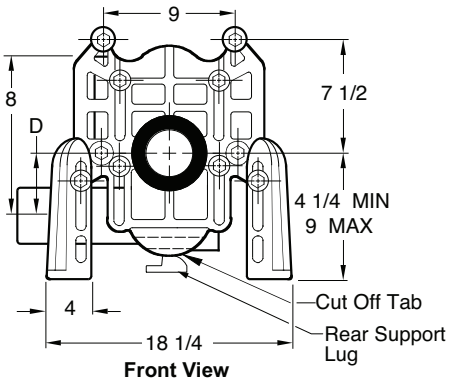


Fig. 0211DY
Top View

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



Front View

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.

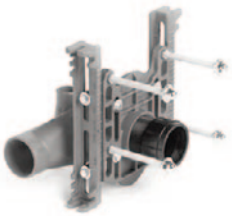
OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D MIN	D MAX
NO-HUB	0211LY	Single–Left Hand	**1,182.00**	5/8"	3 3/8"
	0211RY	Single–Right Hand	**1,182.00**	5/8"	3 3/8"
	0211DY	Double	**2,043.00**	5/8"	3 3/8"
	0221LY	Single–Left Hand Long Barrel	**1,708.00**	5/8"	3 3/8"
	0221RY	Single–Right Hand Long Barrel	**1,708.00**	5/8"	3"
	0221DY	Double Long Barrel	**2,965.00**	5/8"	3 3/8"

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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



SINGLE

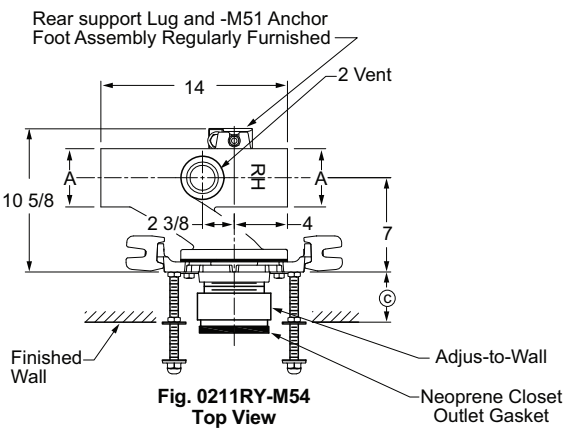


Fig. 0211RY-M54
Top View

DOUBLE

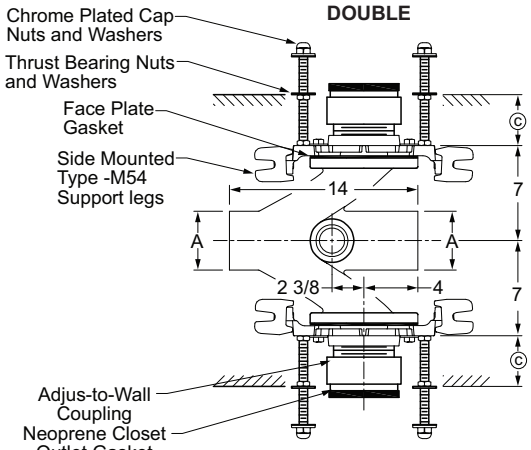
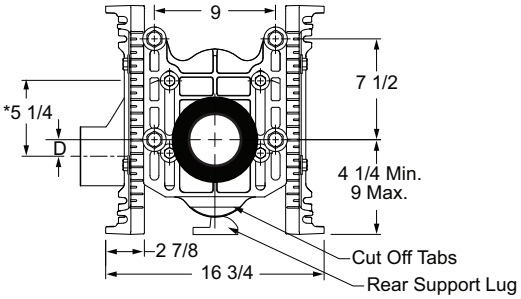


Fig. 0211DY-M54
Top View

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



Front View

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 PIPE SIZE †04"	D MIN	D MAX
NO-HUB	0211LY-M54	Single–Left Hand	**1,182.00**	5/8"	3 3/8"
	0211RY-M54	Single–Right Hand	**1,182.00**	5/8"	3 3/8"
	0211DY-M54	Double	**2,043.00**	5/8"	3 3/8"
	0221LY-M54	Single–Left Hand Long Barrel	**1,826.00**	5/8"	3 3/8"
	0221RY-M54	Single–Right Hand Long Barrel	**1,826.00**	5/8"	3"
	0221DY-M54	Double Long Barrel	**3,213.00**	5/8"	3 3/8"
NO-HUB	0211LY-M58/54	Single–Left Hand	**1,863.00**	5/8"	3 3/8"
	0211RY-M58/54	Single–Right Hand	**1,863.00**	5/8"	3 3/8"
	0211DY-M58/54	Double	**3,241.00**	5/8"	3 3/8"
	0221LY-M58/54	Single–Left Hand Long Barrel	**2,471.00**	5/8"	3 3/8"
	0221RY-M58/54	Single–Right Hand Long Barrel	**2,471.00**	5/8"	3 3/8"
	0221DY-M58/54	Double Long Barrel	**4,112.00**	5/8"	3 3/8"

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

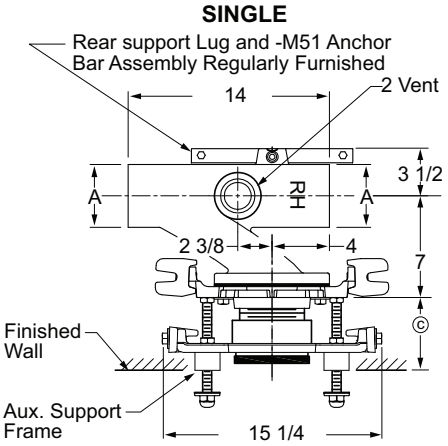


Fig. 0211RY-M54-XK
Top View

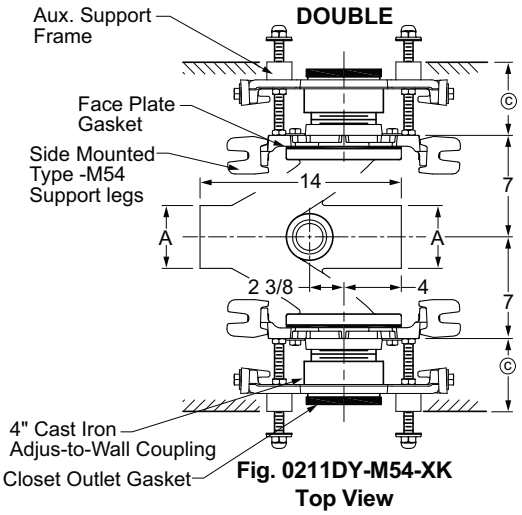
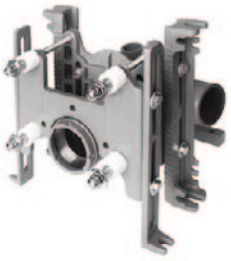


Fig. 0211DY-M54-XK
Top View



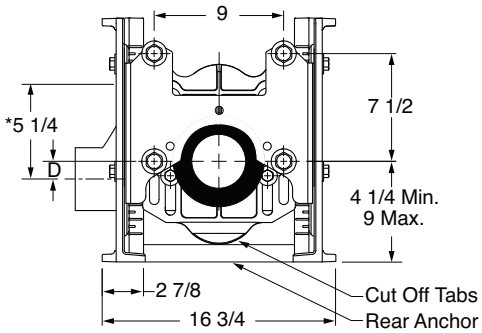


Fig. 0211Y-M54-XK
Front View

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

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D MIN	D MAX	APPROX. WT. LBS.
NO-HUB	0211LY-M54-XK	Single–Left Hand	**2,339.00**	5/8"	3 3/8"	55
	0211RY-M54-XK	Single–Right Hand	**2,339.00**	5/8"	3 3/8"	55
	0211DY-M54-XK	Double	**4,253.00**	5/8"	3 3/8"	100
	0221LY-M54-XK	Single–Left Hand Long Barrel	**2,866.00**	5/8"	3 1/8"	74
	0221RY-M54-XK	Single–Right Hand Long Barrel	**2,866.00**	5/8"	3 1/8"	74
	0221DY-M54-XK	Double Long Barrel	**5,177.00**	5/8"	3 1/8"	119

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

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

†REGULARLY FURNISHED

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

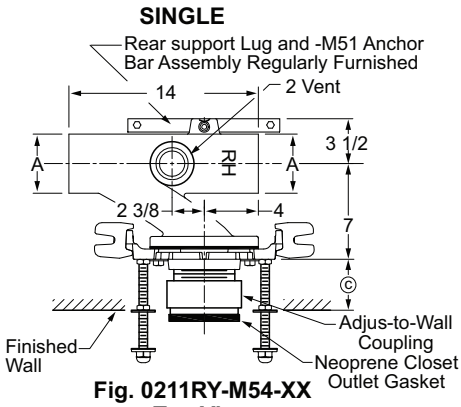


Fig. 0211RY-M54-XX
Top View

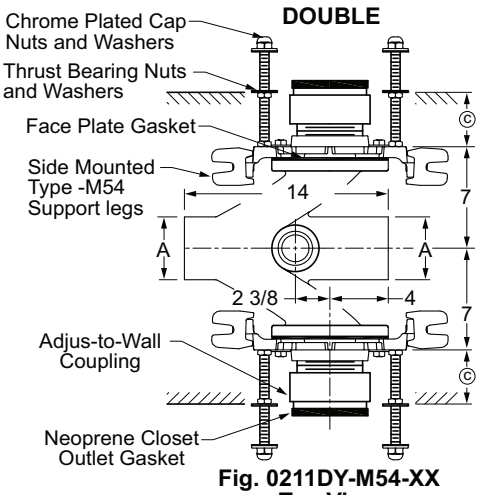
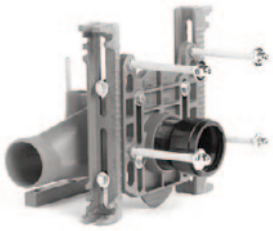


Fig. 0211DY-M54-XX
Top View

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



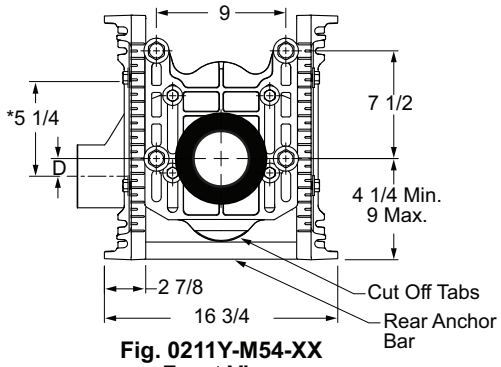


Fig. 0211Y-M54-XX
Front View

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.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D MIN	D MAX
NO-HUB	0211LY-M54-XX	Single–Left Hand	**2,144.00**	5/8"	3 3/8"
	0211RY-M54-XX	Single–Right Hand	**2,144.00**	5/8"	3 3/8"
	0211DY-M54-XX	Double	**3,896.00**	5/8"	3 3/8"
	0221LY-M54-XX	Single–Left Hand Long Barrel	**2,670.00**	5/8"	3 1/8"
	0221RY-M54-XX	Single–Right Hand Long Barrel	**2,670.00**	5/8"	3 1/8"
	0221DY-M54-XX	Double Long Barrel	**4,822.00**	5/8"	3 1/8"

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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.

†REGULARLY FURNISHED

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

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CUSTOMER DRIVEN SINCE 1926

SINGLE

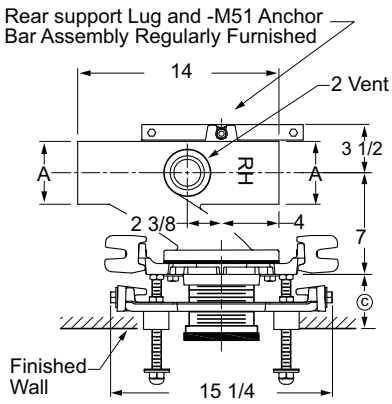


Fig. 0211RY-M58-M54-XK
Top View

DOUBLE

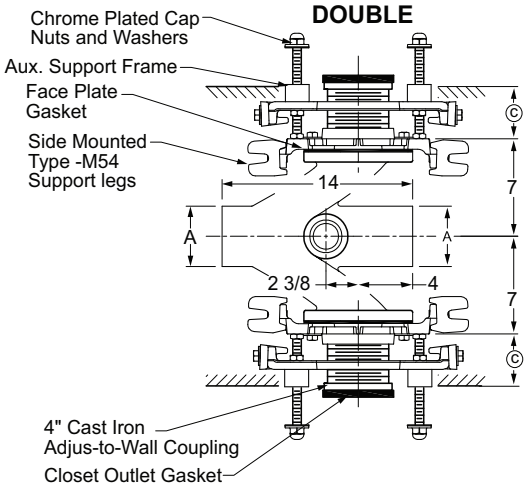


Fig. 0211DY-M58-M54-XK
Top View

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

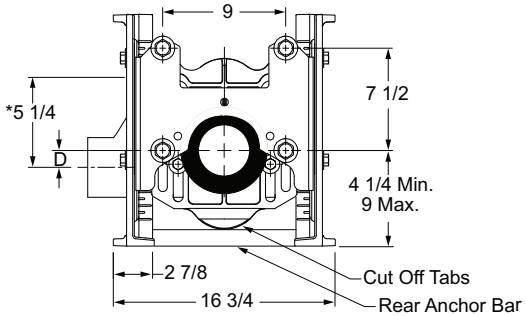


Fig. 0211Y-M58-M54-XK
Front View

*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.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D MIN	D MAX
NO-HUB	0211LY-M58/54-XK	Single–Left Hand	**2,338.00**	5/8"	3 3/8"
	0211RY-M58/54-XK	Single–Right Hand	**2,338.00**	5/8"	3 3/8"
	0211DY-M58/54-XK	Double	**4,253.00**	5/8"	3 3/8"
	0221LY-M58/54-XK	Single–Left Hand Long Barrel	**2,866.00**	5/8"	3 1/8"
	0221RY-M58/54-XK	Single–Right Hand Long Barrel	**2,866.00**	5/8"	3 1/8"
	0221DY-M58/54-XK	Double Long Barrel	**5,177.00**	5/8"	3 1/8"

ADD FOR:	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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.

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

†REGULARLY FURNISHED

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

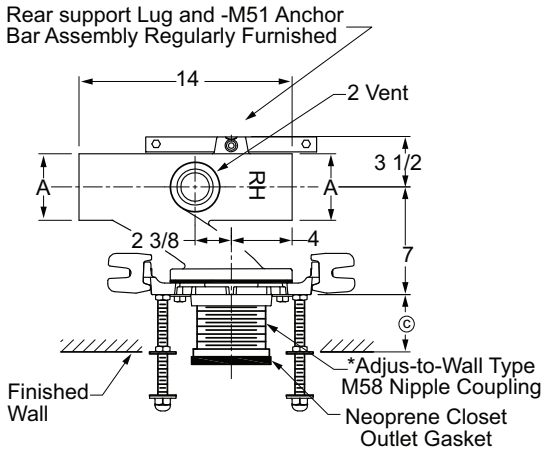


Fig. 0211YRY-M58/M54-XX
Top View

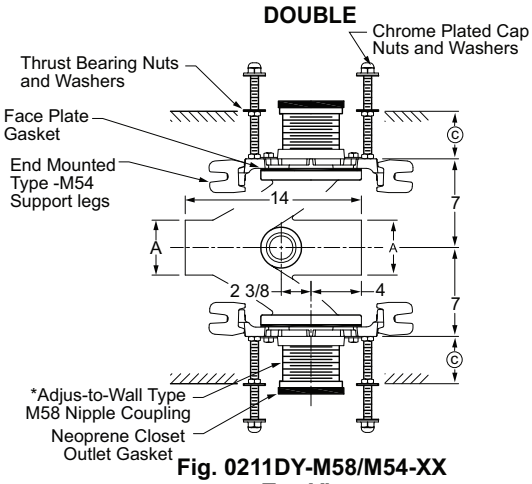


Fig. 0211DY-M58/M54-XX
Top View

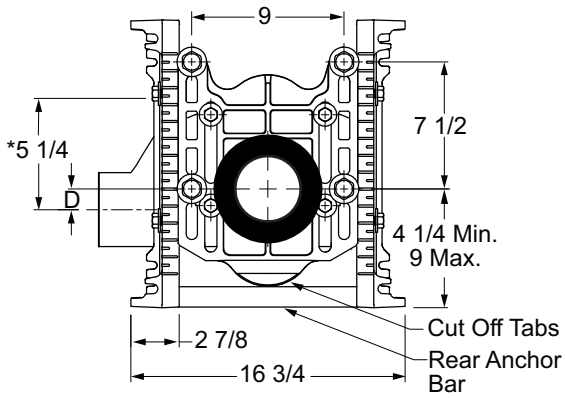


Fig. 0211Y-M58/M54-XX
Front View

© 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 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.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D MIN	D MAX
NO-HUB	0211LY-M58/54-XX	Single–Left Hand	**2,144.00**	5/8"	3 3/8"
	0211RY-M58/54-XX	Single–Right Hand	**2,144.00**	5/8"	3 3/8"
	0211DY-M58/54-XX	Double	**3,896.00**	5/8"	3 3/8"
	0221LY-M58/54-XX	Single–Left Hand Long Barrel	**2,670.00**	5/8"	3 1/8"
	0221RY-M58/54-XX	Single–Right Hand Long Barrel	**2,670.00**	5/8"	3 1/8"
	0221DY-M58/54-XX	Double Long Barrel	**4,822.00**	5/8"	3 1/8"

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

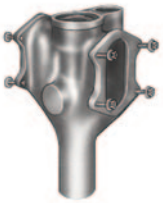
LENGTH	MIN ©	MAX
10	8 3/4"	9 3/4"

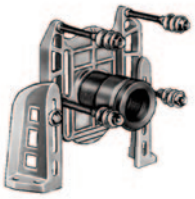
Jay R. Smith 0211Y or 0221Y-M58/54-XX complies with and/or exceeds all requirements of ASME A112.6.1M up to 750 lbs.

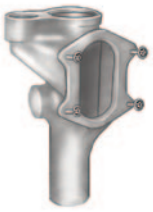
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

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







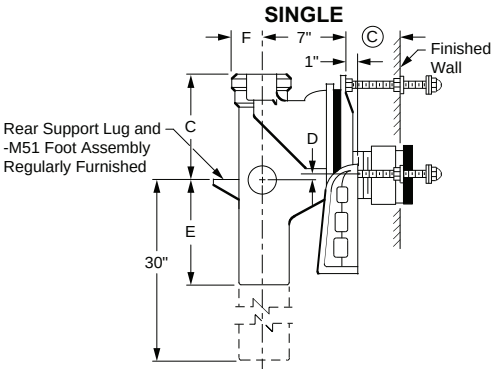


Fig. 0230
Side View

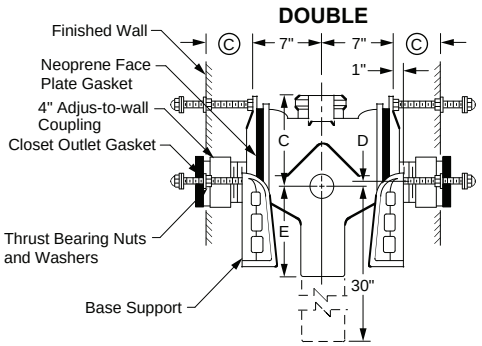


Fig. 0230D
Side View

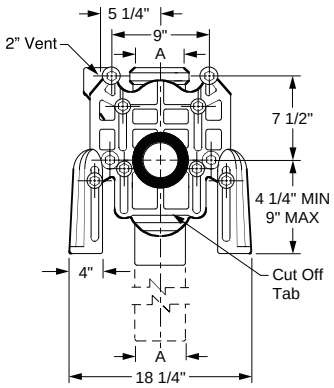


Fig. 0230
Front View

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.

© 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 PIPE SIZE †04"	A PIPE SIZE 05"	A PIPE SIZE 06"	C	D MIN	D MAX	E	F	APPROX. WT. LBS.
CAULK	0230	Single	**1,853.00**			9"	1 1/2"	4 1/4"	10"	3"	98
	0230D	Double	**3,216.00**			9"	1 1/2"	4 1/4"	10"	3"	135
	0230	Single		**2,235.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	98
	0230D	Double		**3,537.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	135
	0230	Single			**2,693.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	98
	0230D	Double			**4,066.00**	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	**2,460.00**			9"	1 1/2"	4 1/4"	10"	3"	117
	0260D	Double Long Barrel	**3,659.00**			9"	1 1/2"	4 1/4"	10"	3"	154
	0260	Single Long Barrel		**4,547.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	117
	0260D	Double Long Barrel		**5,761.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	154
	0260	Single Long Barrel			**5,340.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	117
	0260D	Double Long Barrel			**6,541.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	154

ADD FOR:

	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

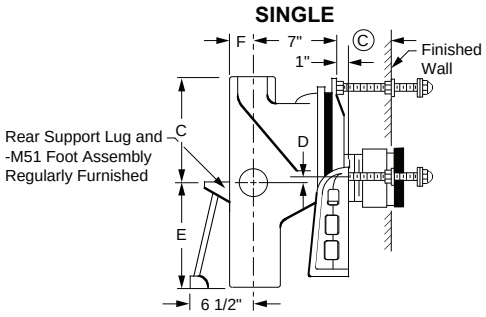


Fig. 0230Y Side View

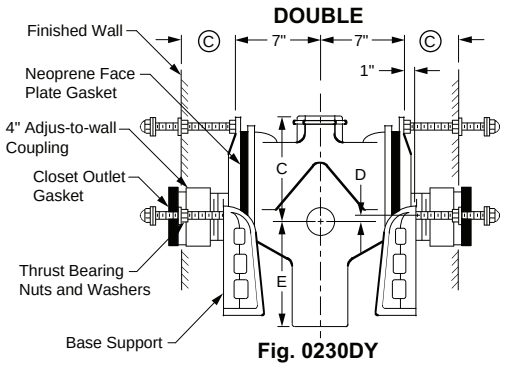


Fig. 0230DY Side View

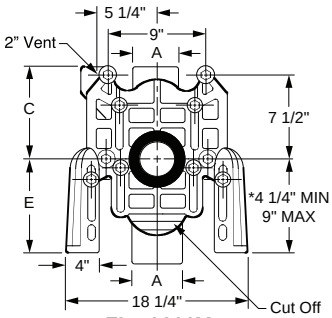


Fig. 0230Y Front View

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

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"	05"	06"	C	D MIN	D MAX	E	F	APPROX. WT. LBS.
NO-HUB	0230Y	Single	**1,683.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0230DY	Double	**2,681.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	122
	0230Y	Single		**1,937.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0230DY	Double		**3,086.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	122
	0230Y	Single			**2,228.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	76
	0230DY	Double			**3,547.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

SINGLE

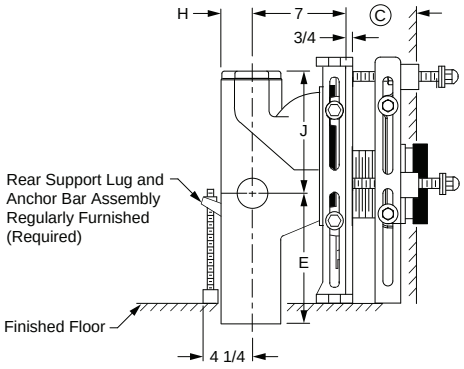


Fig. 0230Y-M54-XK
Side View

DOUBLE

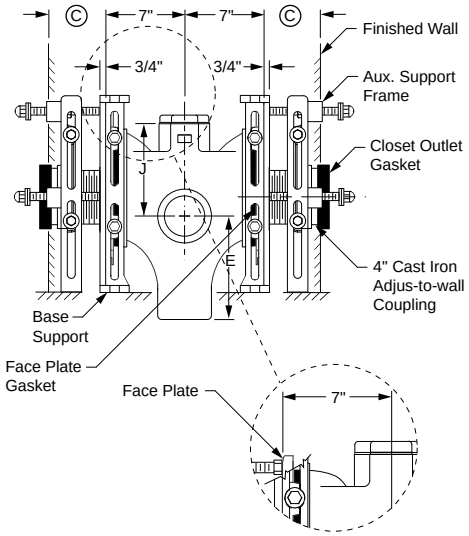


Fig. 0240DY-M54-XK
Side View

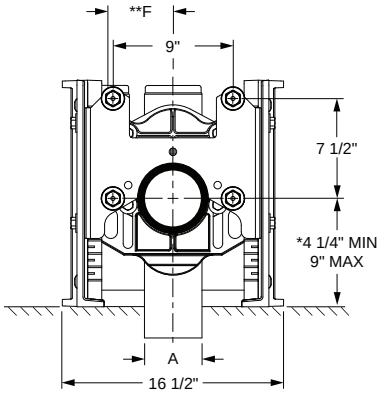


Fig. 0230Y-M54-XK
Front View

*** 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 Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	05"	06"	E	**F	H	J
NO-HUB	0230Y-M54-XK	Single	**5,465.00**			14"	5 1/4"	2 1/4"	9"
	0230DY-M54-XK	Double	**10,553.00**			14"	5 1/4"	2 1/4"	9"
	0230Y-M54-XK	Single		**5,740.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M54-XK	Double		**11,657.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M54-XK	Single			**6,009.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M54-XK	Double			**12,760.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"

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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

SINGLE

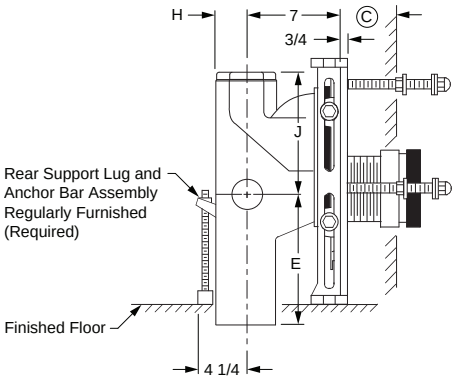


Fig. 0230Y-M54-XX
Side View

DOUBLE

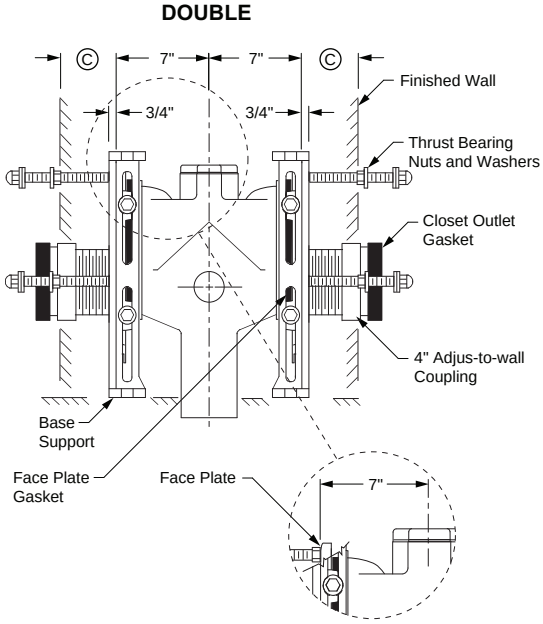


Fig. 0230DY-M54-XX
Side View

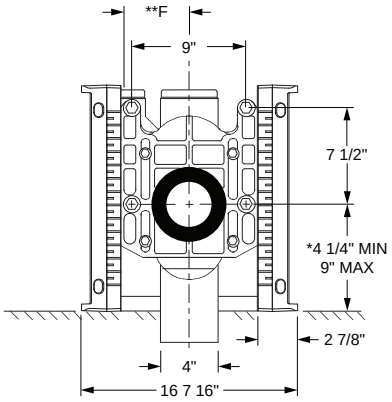


Fig. 0230Y-M54-XX
Front View

* **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 Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	05"	06"	E	**F	H	J
NO-HUB	0230Y-M54-XX	Single	**3,972.00**			14"	5 1/4"	2 1/4"	9"
	0230DY-M54-XX	Double	**7,667.00**			14"	5 1/4"	2 1/4"	9"
	0230Y-M54-XX	Single		**4,875.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M54-XX	Double		**9,408.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M54-XX	Single			**5,777.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M54-XX	Double			**11,147.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"

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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

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

SINGLE

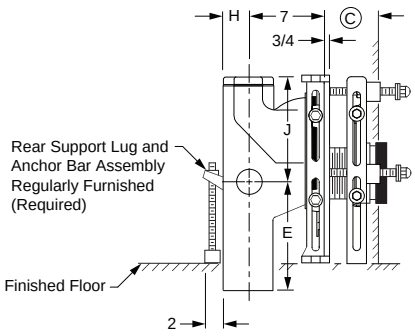


Fig. 0230Y-M58-M54-XK
Side View

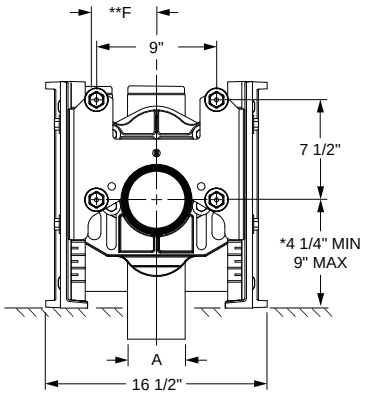


Fig. 0230Y-M58-M54-XK
Front View

DOUBLE

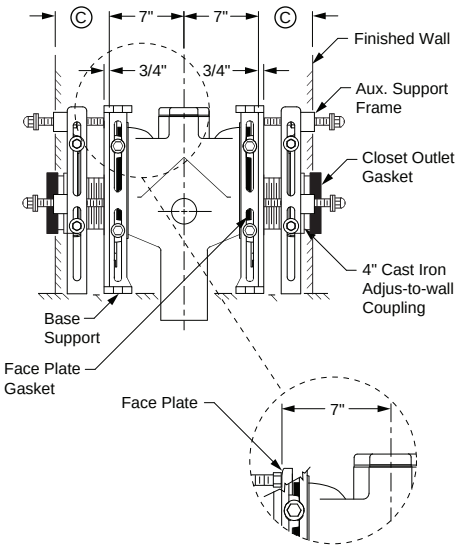


Fig. 0230DY-M58-M54-XK
Side View

*** 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.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	A PIPE SIZE 05"	A PIPE SIZE 06"	E	**F	H	J
NO-HUB	0230Y-M58/54-XK	Single	**5,465.00**			14"	5 1/4"	2 1/4"	9"
	0230DY-M58/54-XK	Double	**10,553.00**			14"	5 1/4"	2 1/4"	9"
	0230Y-M58/54-XK	Single		**5,740.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M58/54-XK	Double		**11,657.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M58/54-XK	Single			**6,009.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M58/54-XK	Double			**12,760.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"

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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

LENGTH	MIN Ⓒ MAX
5 1/4	4 1/4" 4 3/4"

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

SINGLE

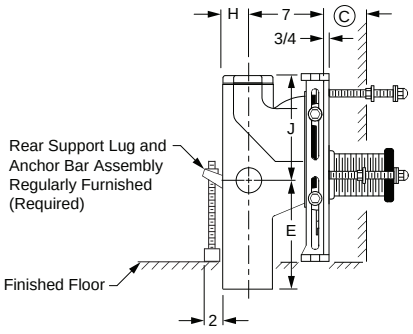


Fig. 0230Y-M58-M54-XX
Side View

DOUBLE

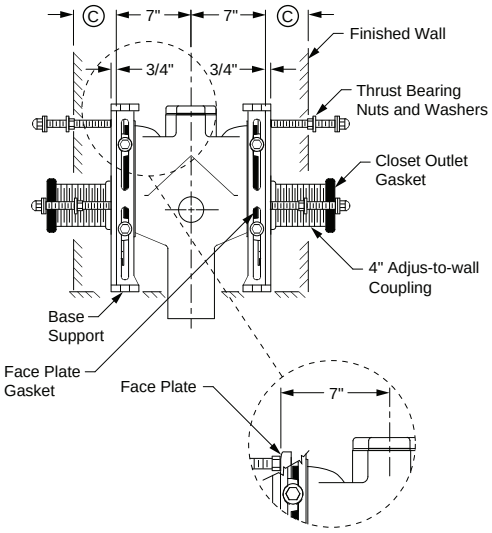


Fig. 0230DY-M58-M54-XX
Side View

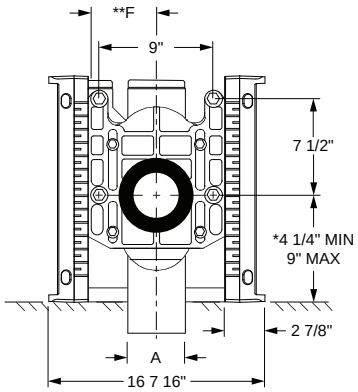


Fig. 0230Y-M58-M54-XX
Front View

* **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.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	05"	06"	E	**F	H	J
NO-HUB	0230Y-M58/54-XX	Single	**3,972.00**			14"	5 1/4"	2 1/4"	9"
	0230DY-M58/54-XX	Double	**7,667.00**			14"	5 1/4"	2 1/4"	9"
	0230Y-M58/54-XX	Single		**4,875.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230DY-M58/54-XX	Double		**9,408.00**		11 1/2"	6 1/4"	2 3/4"	11 1/2"
	0230Y-M58/54-XX	Single			**5,777.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"
	0230DY-M58/54-XX	Double			**11,147.00**	11 1/2"	6 1/4"	3 1/4"	11 1/2"

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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

LENGTH	MIN Ⓒ MAX
10	8 3/4" 9 3/4"

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, 0250, 0270, 0280 SERIES VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLETS

SINGLE

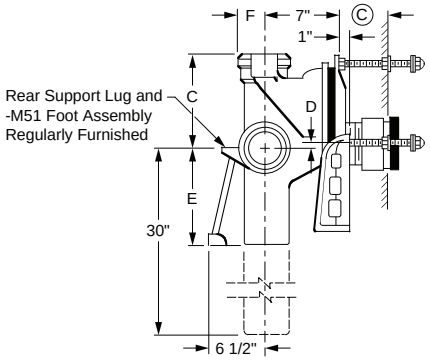


Fig. 0240
Side View

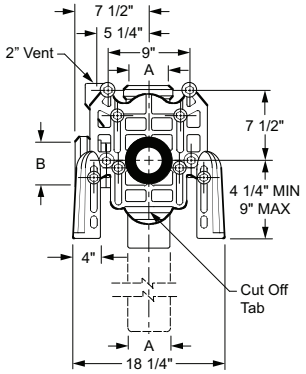


Fig. 0240
Front View

DOUBLE

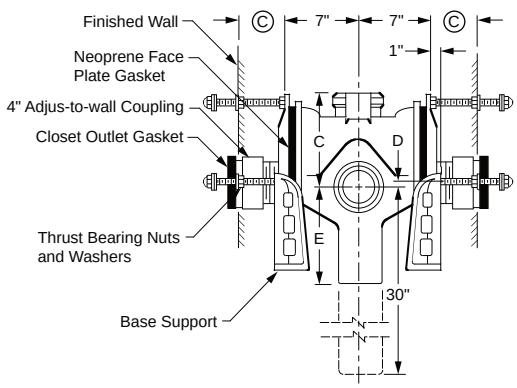


Fig. 0240D
Side View

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	A X B SIZE †04" X 04"	05" X 04"	06" X 04"	C	D MIN	D MAX	E	F	APPROX. WT. LBS.
CAULK	0240L	Single–Left Hand with Side Hub Inlet	**2,064.00**			9"	1 1/2"	4 1/4"	10"	3"	87
	0240R	Single–Right Hand with Side Hub Inlet	**2,064.00**			9"	1 1/2"	4 1/4"	10"	3"	87
	0240D	Double–with Side Hub Inlet	**3,207.00**			9"	1 1/2"	4 1/4"	10"	3"	139
	0240L	Single–Left Hand with Side Hub Inlet		**2,335.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	87
	0240R	Single–Right Hand with Side Hub Inlet		**2,335.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	87
	0240D	Double–with Side Hub Inlet		**3,455.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	139
	0240L	Single–Left Hand with Side Hub Inlet			**2,606.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	87
	0240D	Double–with Side Hub Inlet			**3,701.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	139
	0250	Single–with Two Side Hub Inlets	**2,240.00**			9"	1 1/2"	4 1/4"	10"	3"	100
	0250D	Double–with Two Side Hub Inlets	**3,259.00**			9"	1 1/2"	4 1/4"	10"	3"	144
	0250	Single–with Two Side Hub Inlets		**2,538.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	100
	0250D	Double–with Two Side Hub Inlets		**3,599.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	144
	0250	Single–with Two Side Hub Inlets			**2,836.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	100
	0250D	Double–with Two Side Hub Inlets			**3,940.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	144
	0270L	Single–Left Hand with Side Hub Inlet—Long Barrel	**2,726.00**			9"	1 1/2"	4 1/4"	10"	3"	116
	0270R	Single–Right Hand with Side Hub Inlet—Long Barrel	**2,726.00**			9"	1 1/2"	4 1/4"	10"	3"	116
	0270D	Double—with Side Hub Inlet—Long Barrel	**3,923.00**			9"	1 1/2"	4 1/4"	10"	3"	158
	0270L	Single–Left Hand with Side Hub Inlet—Long Barrel		**4,826.00**		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		**4,826.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/2"	116
	0270D	Double—with Side Hub Inlet—Long Barrel		**6,029.00**		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			**5,607.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	116
	0270D	Double—with Side Hub Inlet—Long Barrel			**6,809.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	158
	0280	Single—with Two Side Hub Inlets—Long Barrel	**2,994.00**			9"	1 1/2"	4 1/4"	10"	3"	119
	0280D	Double—with Two Side Hub Inlets—Long Barrel	**4,191.00**			9"	1 1/2"	4 1/4"	10"	3"	163
	0280	Single—with Two Side Hub Inlets—Long Barrel		**5,093.00**		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		**6,296.00**		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			**5,873.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	4"	119
	0280D	Double—with Two Side Hub Inlets—Long Barrel			**7,062.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0240Y, 0250Y SERIES VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLETS

SINGLE

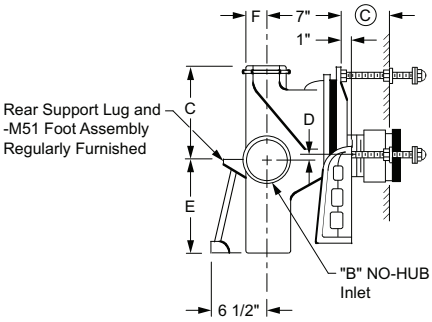


Fig. 0240Y
Side View

DOUBLE

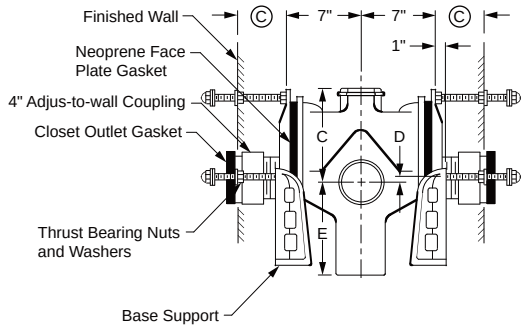


Fig. 0240DY
Side View

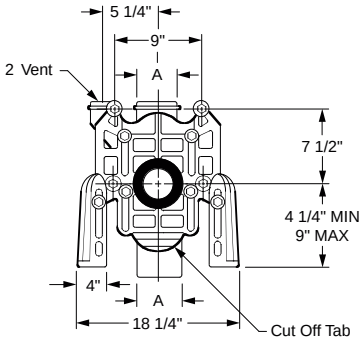


Fig. 0240Y
Front View

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	A X B SIZE †04" X 04"	05" X 04"	06" X 04"	C	D MIN	D MAX	E	F	APPROX. WT. LBS.
NO-HUB	0240LY	Single–Left Hand with Side Inlet	**1,876.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0240RY	Single–Right Hand with Side Inlet	**1,876.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0240DY	Double–with Side Inlet	**2,916.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	122
	0240LY	Single–Left Hand with Side Inlet		**2,125.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0240RY	Single–Right Hand with Side Inlet		**2,125.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0240DY	Double–with Side Inlet		**3,224.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	122
	0240LY	Single–Left Hand with Side Inlet			**2,374.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	76
	0240DY	Double–with Side Inlet			**3,528.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	122
	0250Y	Single–with Two Side Inlets	**2,039.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	76
	0250DY	Double–with Two Side Inlets	**3,081.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"	122
	0250Y	Single–with Two Side Inlets		**2,308.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	76
	0250DY	Double–with Two Side Inlets		**3,404.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"	122
	0250Y	Single–with Two Side Inlets			**2,576.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"	76
	0250DY	Double–with Two Side Inlets			**3,728.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0240Y-M54-XK VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLET BARIATRIC DUTY - 1000 LBS.

SMITH®
CUSTOMER DRIVEN SINCE 1926

SINGLE

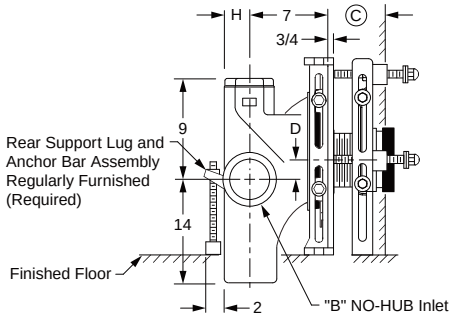


Fig. 0240Y-M54-XK
Side View

DOUBLE

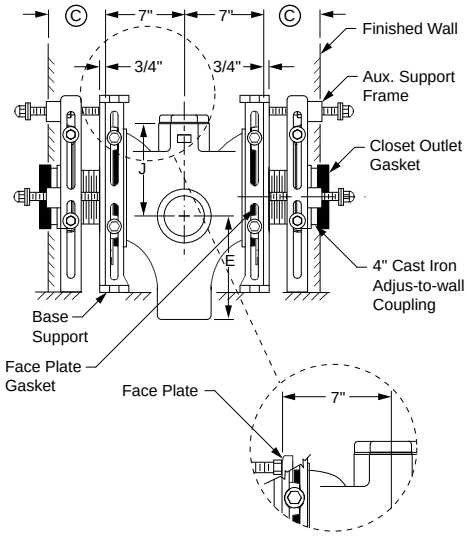


Fig. 0240DY-M54-XK
Side View

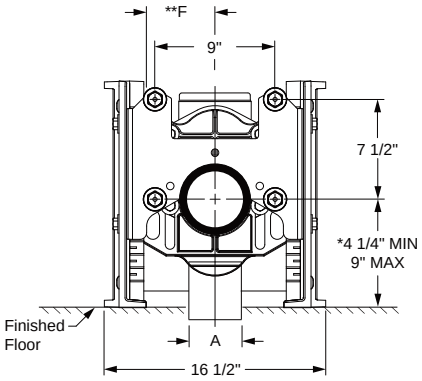


Fig. 0240Y-M54-XK
Front View

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 †04" X 04"	05" X 04"	06" X 04"	D MIN	D MAX	E	**F	H	J
NO-HUB	0240LY-M54-XK	Single–Left Hand with Side Inlet	**5,856.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M54-XK	Single–Right Hand with Side Inlet	**5,856.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M54-XK	Double–with Side Inlet	**10,941.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M54-XK	Single–Left Hand with Side Inlet		**6,128.00**		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		**6,128.00**		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		**12,047.00**		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			**6,399.00**	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			**13,148.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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 VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLET EXTRA HEAVY DUTY - 750 LBS.

SINGLE

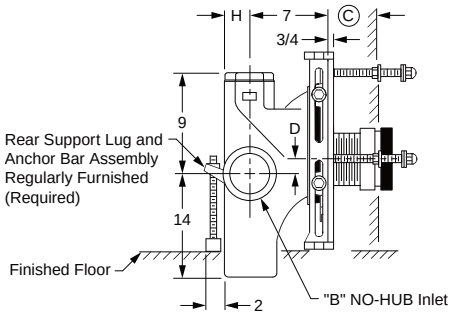


Fig. 0240Y-M54-XX
Side View

DOUBLE

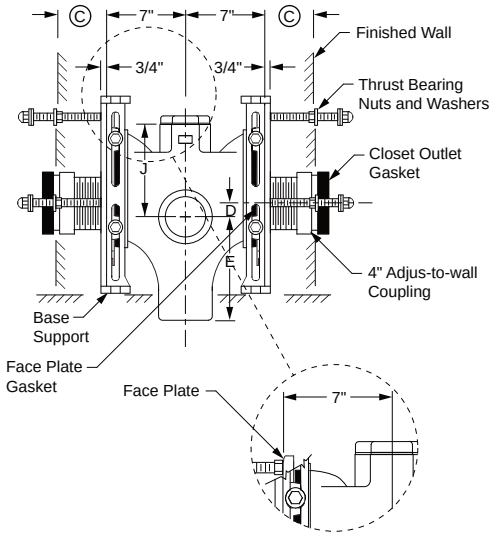


Fig. 0240DY-M54-XX
Side View

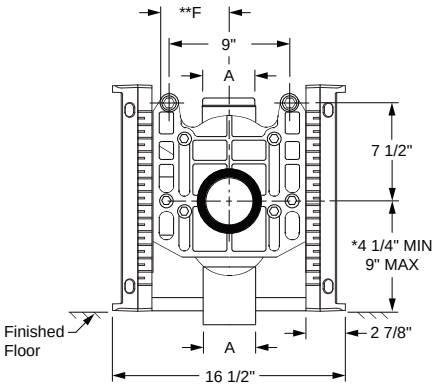


Fig. 0240Y-M54-XX
Front View

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" 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 †04" X 04"	A X B SIZE 05" X 04"	A X B SIZE 06" X 04"	D MIN	D MAX	E	**F	H	J
NO-HUB	0240LY-M54-XX	Single–Left Hand with Side Inlet	**4,360.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M54-XX	Single–Right Hand with Side Inlet	**4,360.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M54-XX	Double–with Side Inlet	**8,055.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M54-XX	Single–Left Hand with Side Inlet		**5,263.00**		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		**5,263.00**		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		**9,798.00**		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			**6,165.00**	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			**11,538.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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.

†REGULARLY FURNISHED

FIG. 0240Y-M58/54-XK VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLET BARIATRIC DUTY - 1000 LBS.

SINGLE

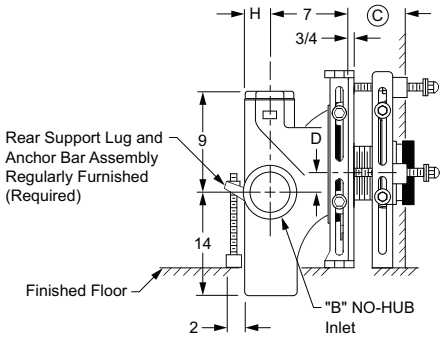


Fig. 0240Y-M58-M54-XK
Side View

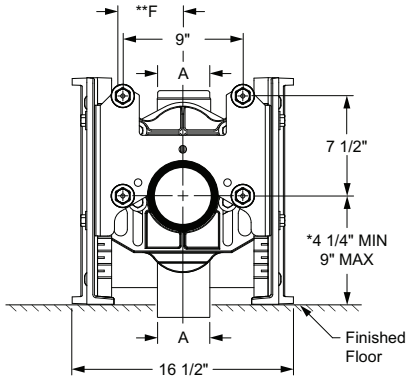


Fig. 0240Y-M58-M54-XK
Front View

DOUBLE

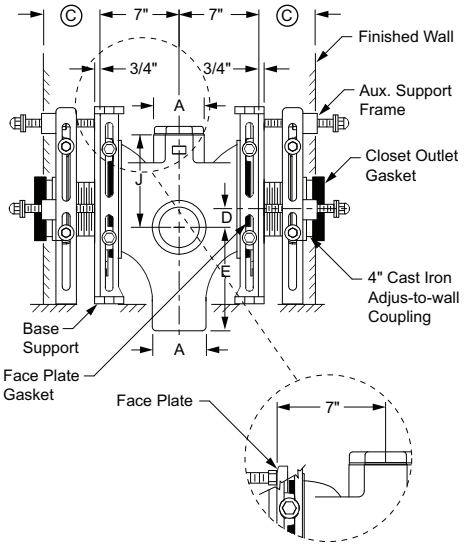


Fig. 0240DY-M58-M54-XK
Side View

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

NOTE: 1 1/2" 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 4 3/4" with regularly furnished 5 1/4" 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 †04" X 04"	05" X 04"	06" X 04"	D MIN	D MAX	E	**F	H	J
NO-HUB	0240LY-M58/54-XK	Single–Left Hand with Side Inlet	**5,856.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M58/54-XK	Single–Right Hand with Side Inlet	**5,856.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M58/54-XK	Double–with Side Inlet	**10,941.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M58/54-XK	Single–Left Hand with Side Inlet		**6,128.00**		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		**6,128.00**		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 Hub Inlet		**12,047.00**		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			**6,399.00**	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			**13,148.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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-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-M58/54-XX VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLET EXTRA HEAVY DUTY - 750 LBS.

SINGLE

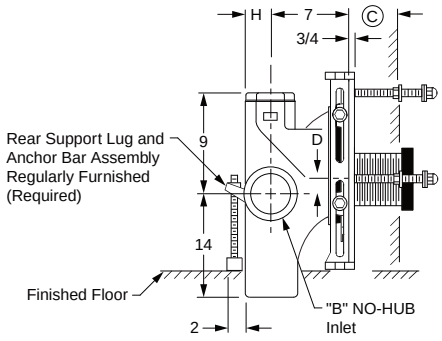


Fig. 0240Y-M58-M54-XX
Side View

DOUBLE

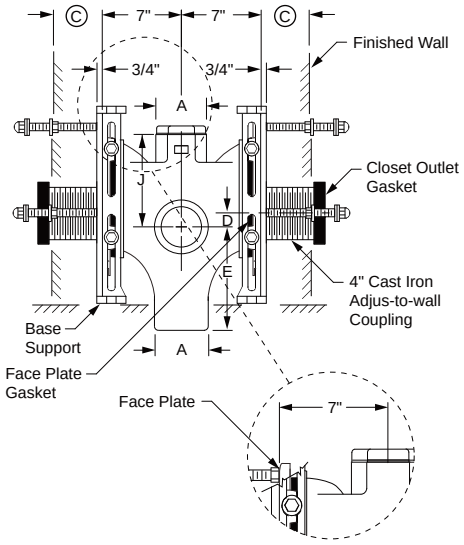


Fig. 0240DY-M58-M54-XX
Side View

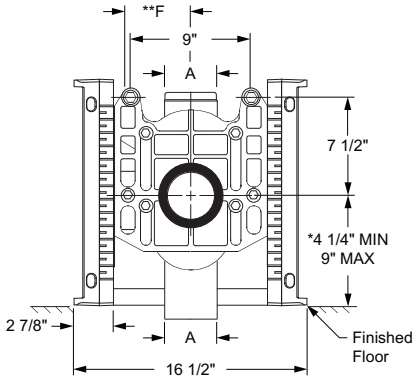


Fig. 0240Y-M58-M54-XX
FRONT VIEW

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 = 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 †04" X 04"	05" X 04"	06" X 04"	D MIN	D MAX	E	**F	H	J
NO-HUB	0240LY-M58/54-XX	Single–Left Hand with Side Inlet	**4,360.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240RY-M58/54-XX	Single–Right Hand with Side Inlet	**4,360.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240DY-M58/54-XX	Double–with Side Hub Inlet	**8,055.00**			1 1/2"	4 1/4"	14"	5 1/4"	2 1/4"	9"
	0240LY-M58/54-XX	Single–Left Hand with Side Inlet		**5,263.00**		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		**5,263.00**		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 Hub Inlet		**9,798.00**		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			**6,165.00**	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			**11,538.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

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

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CUSTOMER DRIVEN SINCE 1926

SINGLE

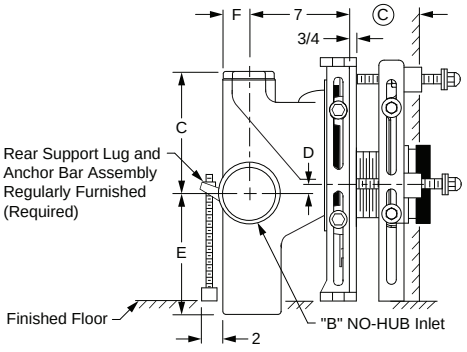


Fig. 0250Y-M54-XK
SIDE VIEW

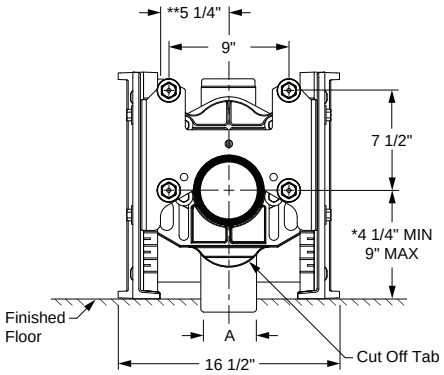


Fig. 0250Y-M54-XK
Front View

DOUBLE

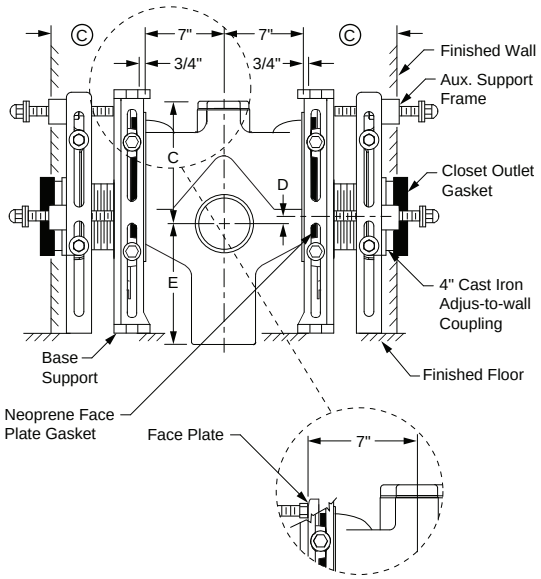


Fig. 0250DY-M54-XK
Side View

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

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

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE †04" X 04"	05" X 04"	06" X 04"	C	D MIN	D MAX	E	F
NO-HUB	0250Y-M54-XK	Single–with Two Side Inlets	**6,241.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250DY-M54-XK	Double–with Two Side Inlets	**11,330.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250Y-M54-XK	Single–with Two Side Inlets		**6,514.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M54-XK	Double–with Two Side Inlets		**12,433.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M54-XK	Single–with Two Side Inlets			**6,785.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M54-XK	Double–with Two Side Inlets			**13,534.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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-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 VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH TWO SIDE INLETS EXTRA HEAVY DUTY - 750 LBS.

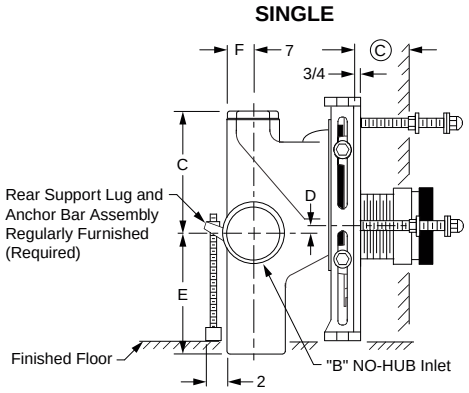


Fig. 0250Y-M54-XX
Side View

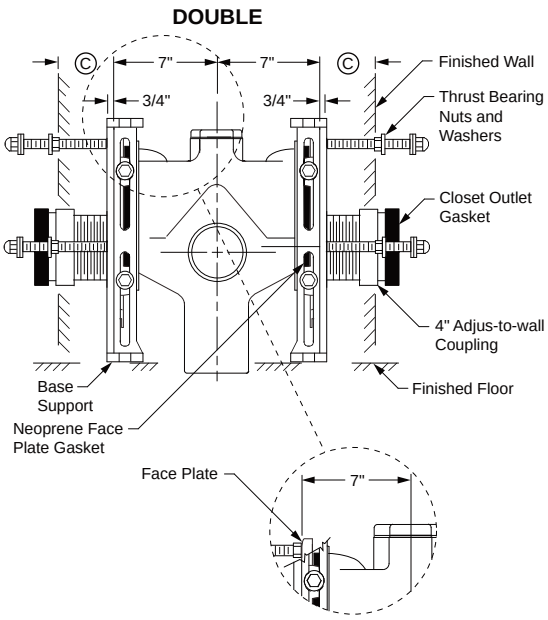


Fig. 0250DY-M54-XX
Side View

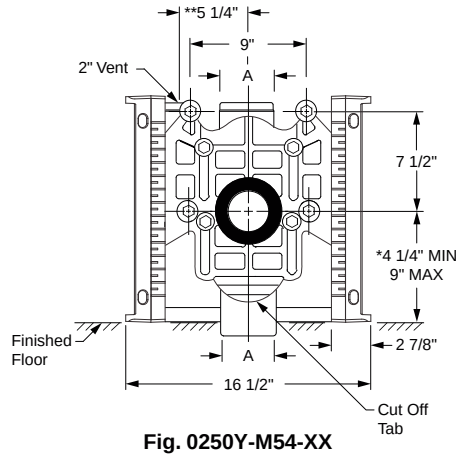


Fig. 0250Y-M54-XX
Front View

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 Adjus-to-Wall coupling permitting adjustment from 3" min. to 4" max.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A X B SIZE †04" X 04"	05" X 04"	06" X 04"	C	D. MIN	D. MAX	E	F
NO-HUB	0250Y-M54-XX	Single–with Two Side Inlets	**4,748.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250DY-M54-XX	Double–with Two Side Inlets	**8,442.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250Y-M54-XX	Single–with Two Side Inlets		**5,650.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M54-XX	Double–with Two Side Inlets		**10,184.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M54-XX	Single–with Two Side Inlets			**6,553.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M54-XX	Double–with Two Side Inlets			**11,923.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

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

SINGLE

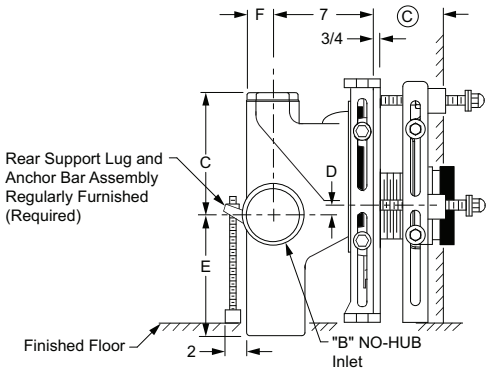


Fig. 0250Y-M58-M54-XK
Side View

DOUBLE

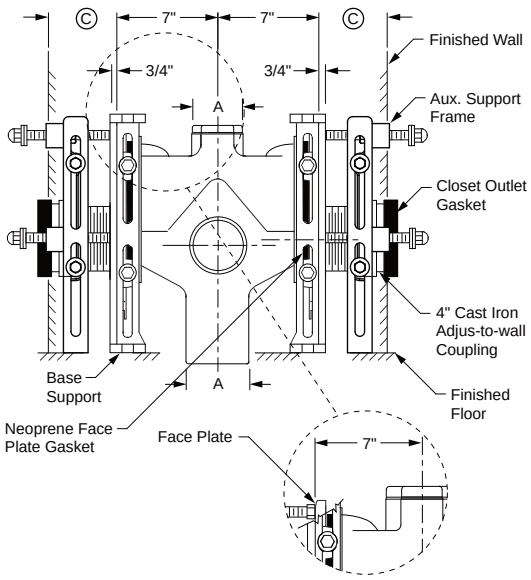


Fig. 0250DY-M58-M54-XK
Side View

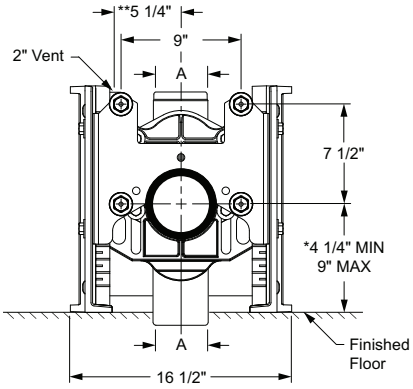


Fig. 0250Y-M58-M54-XK
Front View

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 †04" X 04"	05" X 04"	06" X 04"	C	D MIN	D MAX	E	F
NO-HUB	0250Y-M58/54-XK	Single–with Two Side Inlets	**6,241.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250DY-M58/54-XK	Double–with Two Side Inlets	**11,330.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250Y-M58/54-XK	Single–with Two Side Inlets		**6,514.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M58/54-XK	Double–with Two Side Inlets		**12,433.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M58/54-XK	Single–with Two Side Inlets			**6,785.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M58/54-XK	Double–with Two Side Inlets			**13,534.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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-M58/54-XX VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH TWO SIDE INLETS EXTRA HEAVY DUTY - 750 LBS.

SINGLE

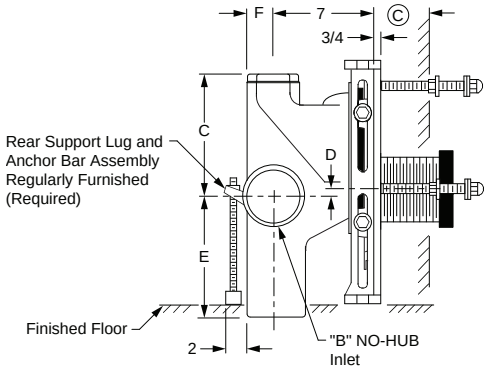


Fig. 0250Y-M58-M54-XX
Side View

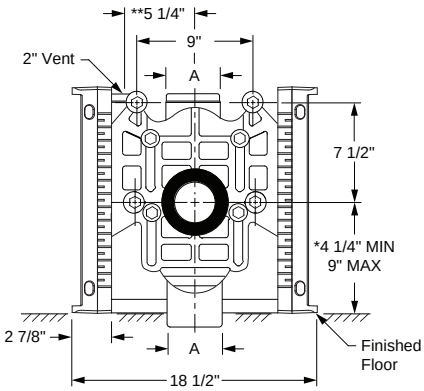


Fig. 0250Y-M58-M54-XX
Front View

DOUBLE

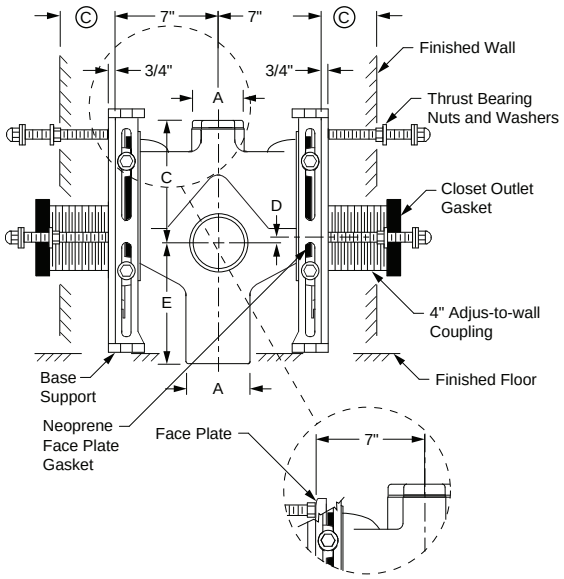


Fig. 0250DY-M58-M54-XX
Side View

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.

© 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 †04" X 04"	05" X 04"	06" X 04"	C	D MIN	D MAX	E	F
NO-HUB	0250Y-M58/54-XX	Single–with Two Side Inlets	**4,748.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250DY-M58/54-XX	Double–with Two Side Inlets	**8,442.00**			9"	1 1/2"	4 1/4"	14"	2 1/4"
	0250Y-M58/54-XX	Single–with Two Side Inlets		**5,650.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250DY-M58/54-XX	Double–with Two Side Inlets		**10,184.00**		11 1/2"	1 1/2"	4 1/4"	11 1/2"	2 3/4"
	0250Y-M58/54-XX	Single–with Two Side Inlets			**6,548.00**	11 1/2"	1 1/2"	4 1/4"	11 1/2"	3 1/4"
	0250DY-M58/54-XX	Double–with Two Side Inlets			**11,923.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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. 0315, 0315Y SERIES HORIZONTAL FITTINGS FOR ELEVATED BLOWOUT WATER CLOSETS FOR WHEELCHAIR USERS

SINGLE

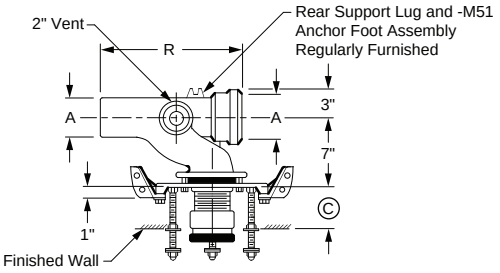


Fig. 0315R
Top View

DOUBLE

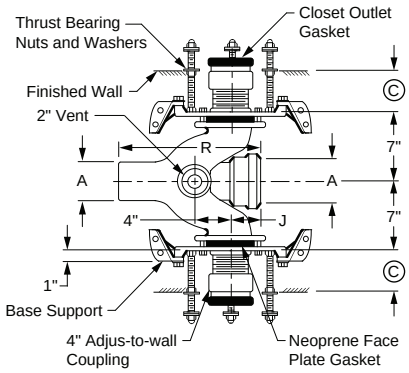


Fig. 0315D
Top View

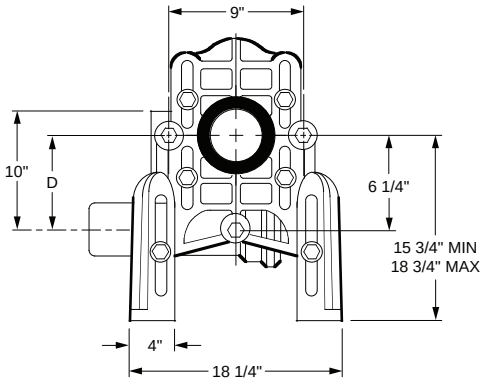


Fig. 0315
Front View

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" bolts provided by contractor.

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A PIPE SIZE †04"	D MIN	D MAX	J	R	APPROX. WT. LBS.
CAULK	0315L	Single–Left Hand Hi-Set	**1,182.00**	4 5/8"	8 5/8"	3 3/8"	16"	70
	0315R	Single–Right Hand Hi-Set	**1,182.00**	4 5/8"	8 5/8"	3 3/8"	16"	70
	0315D	Double– Hi-Set	**2,043.00**	4 5/8"	8 5/8"	3 3/8"	16"	134
NO-HUB	0315LY	Single–Left Hand Hi-Set	**1,182.00**	4 5/8"	8 5/8"	4"	14"	70
	0315RY	Single–Right Hand Hi-Set	**1,182.00**	4 5/8"	8 5/8"	4"	14"	70
	0315DY	Hi-Set	**2,043.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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, 0360 VERTICAL FITTINGS FOR BLOWOUT WATER CLOSETS - SHALLOW ROUGH-IN TYPE

SINGLE

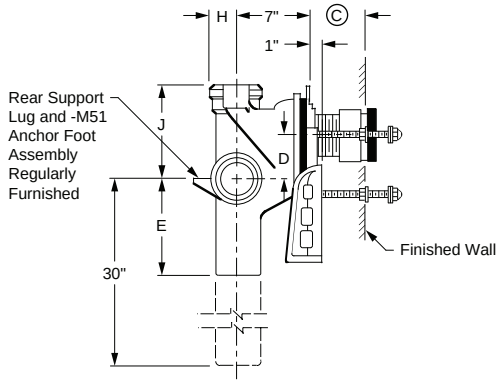


Fig. 0330
Side View

DOUBLE

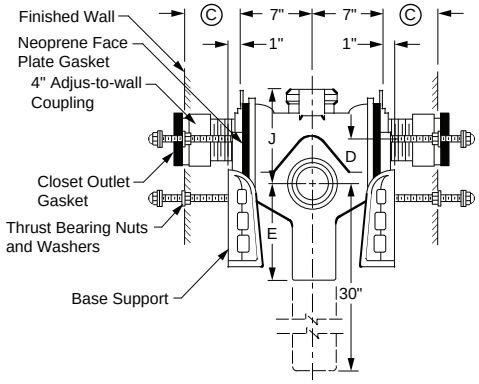


Fig. 0330D
Side View

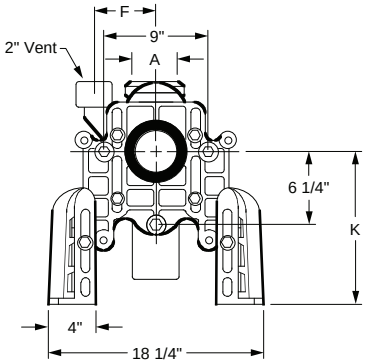


Fig. 0330
Front View

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. 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 †04"	05"	06"	D MIN	D MAX	E	F	H	J	K MIN	K MAX	APPROX. WT. LBS.
CAULK	0330	Single	**1,853.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	98
	0330D	Double	**3,216.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	135
	0330	Single		**2,061.00**		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		**3,277.00**		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			**2,420.00**	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			**3,618.00**	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	**1,853.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	117
	0360D	Double Long Barrel	**3,216.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	154
	0360	Single Long Barrel		**4,547.00**		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		**5,761.00**		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			**5,340.00**	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			**6,541.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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 VERTICAL FITTINGS FOR BLOWOUT WATER CLOSETS - SHALLOW ROUGH-IN TYPE

SMITH®
CUSTOMER DRIVEN SINCE 1926

SINGLE

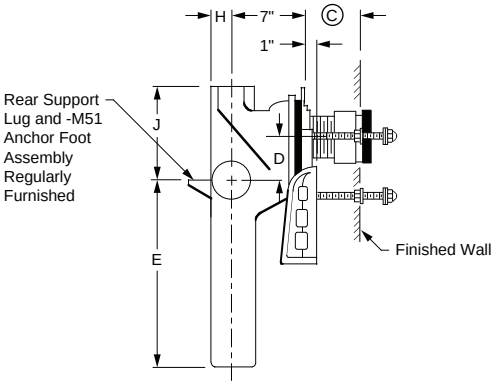


Fig. 0330Y
Side View

DOUBLE

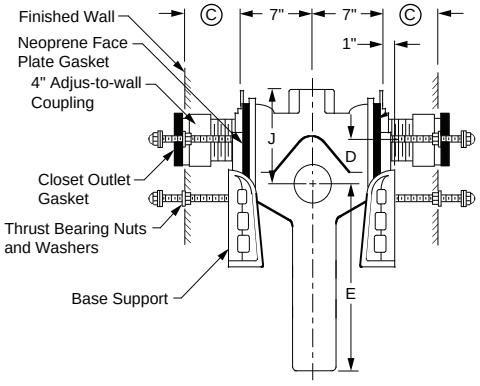


Fig. 0330DY
Side View

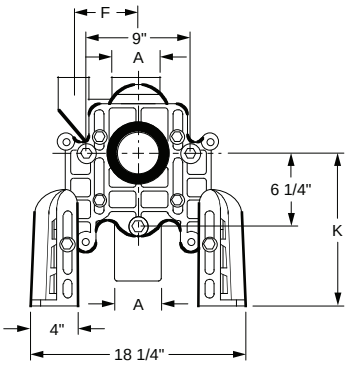


Fig. 0330Y
Front View

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 †04"	05"	06"	D MIN	D MAX	E	F	H	J	K MIN	K MAX	APPROX. WT. LBS.
NO-HUB	0330Y	Single	**1,683.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	76
	0330DY	Double	**2,916.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	122
	0330Y	Single		**1,949.00**		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		**3,111.00**		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			**2,273.00**	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			**3,435.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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, 0350, 0370, 0380 SERIES VERTICAL FITTINGS FOR BLOWOUT WATER CLOSETS WITH SIDE INLETS

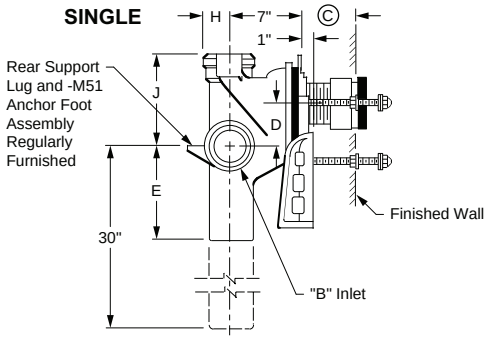


Fig. 0340
Side View

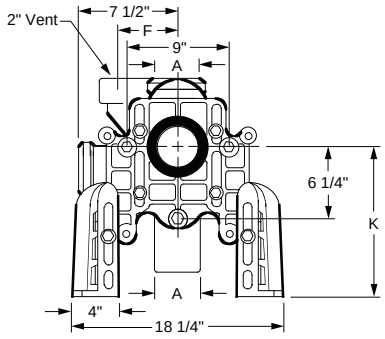


Fig. 0340
Front View

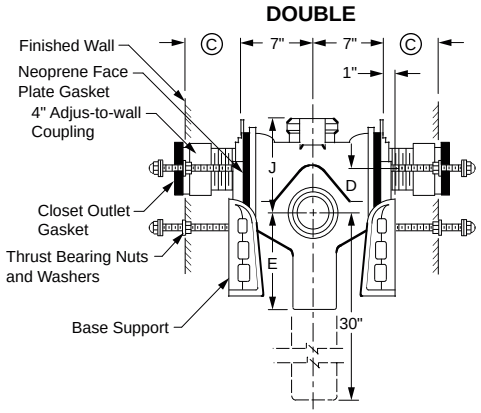


Fig. 0340D

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	A X B SIZE 05" X 04" †04" X 04"	OR 05"	06" X 04"	D MIN	D MAX	E	F	H	J	K MIN	K MAX	APPROX. WT. LBS.
CAULK	0340L	Single–Left Hand with Side Hub Inlet	**2,064.00**			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	**2,064.00**			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	**3,207.00**			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		**2,343.00**		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		**2,343.00**		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		**3,545.00**		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			**2,687.00**	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			**2,687.00**	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			**3,886.00**	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	**2,240.00**			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	**3,259.00**			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		**2,613.00**		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		**3,813.00**		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			**2,953.00**	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			**4,157.00**	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	**2,064.00**			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	**2,064.00**			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	**3,207.00**			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		**4,826.00**		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		**4,826.00**		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		**6,029.00**		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			**5,607.00**	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			**5,607.00**	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			**6,809.00**	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	**2,953.00**			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	**4,191.00**			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		**5,093.00**		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		**6,293.00**		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			**5,873.00**	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			**7,074.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0340Y, 0350Y SERIES VERTICAL FITTINGS FOR BLOWOUT WATER CLOSETS WITH SIDE INLETS

SMITH®
CUSTOMER DRIVEN SINCE 1926

SINGLE

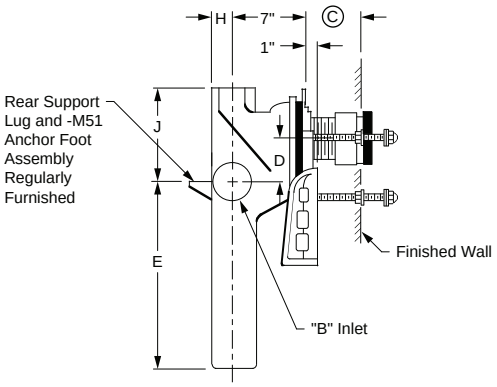


Fig. 0340Y
Side View

DOUBLE

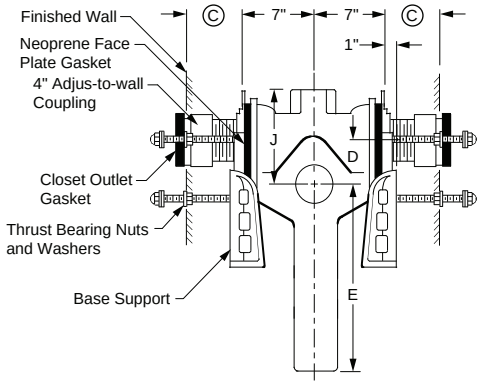


Fig. 0340DY
Side View

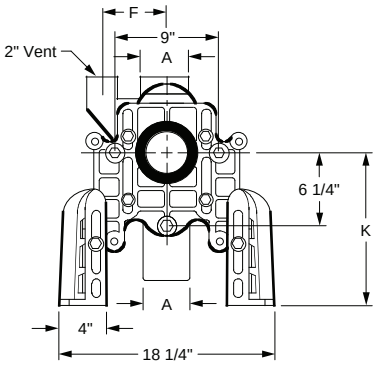


Fig. 0340Y
Front View

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	A X B SIZE 05" X 04" †04" X 04"	OR 05"	06" X 04"	D MIN	D MAX	E	F	H	J	K MIN	K MAX	APPROX. WT. LBS.
NO-HUB	0340LY	Single–Left Hand with Side Inlet	**1,876.00**			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	**1,876.00**			2 3/4"	5 1/2"	10"	5 1/4"	3"	9"	10 3/4"	15 3/4"	76
	0340DY	Double–with Side Inlet	**2,916.00**			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		**2,386.00**		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		**2,386.00**		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		**3,545.00**		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			**2,537.00**	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			**2,537.00**	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			**3,528.00**	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	**2,039.00**			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	**3,081.00**			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		**2,613.00**		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		**3,813.00**		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			**2,576.00**	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			**3,728.00**	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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0375, 0385 SERIES VERTICAL FITTINGS WITH SIDE INLETS FOR ELEVATED BLOWOUT WATER CLOSETS FOR WHEELCHAIR USERS

SINGLE

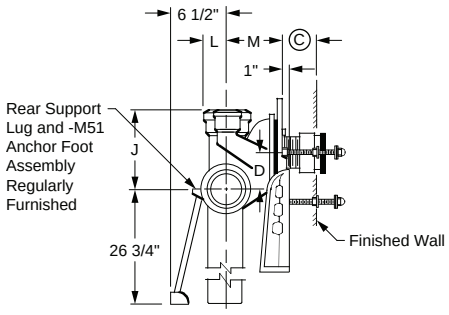


Fig. 0375
Side View

DOUBLE

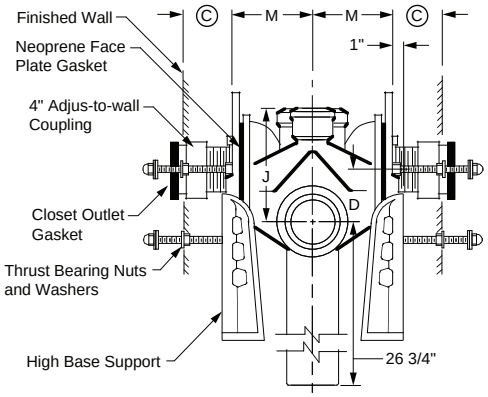


Fig. 0375D
Side View

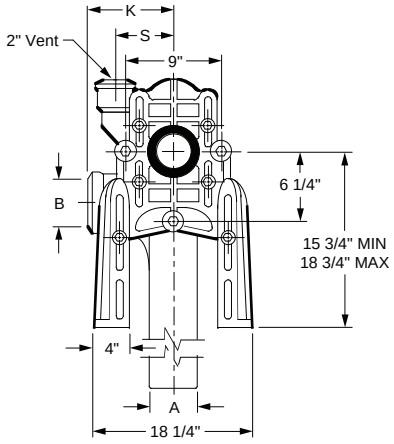


Fig. 0375
Front View

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

NOTE: 1 1/2" or 2" 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 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 X B SIZE †04" X 04"	D MIN	D MAX	J	K	L	M	S	APPROX. WT. LBS.
CAULK	0375L	Single–Left Hand Hi-Set with Side Inlet	**2,064.00**	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	**2,064.00**	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	**2,606.00**	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	**2,240.00**	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	**3,259.00**	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	**1,876.00**	4 3/4"	8 3/4"	-	-	-	-	-	110
	0375RY	Single–Right Hand Hi-Set with Side Inlet	**1,876.00**	4 3/4"	8 3/4"	-	-	-	-	-	110
	0375DY	Double–Hi-Set with Side Inlet	**2,916.00**	4 3/4"	8 3/4"	-	-	-	-	-	111
	0385Y	Single–Hi-Set with Two Side Inlets	**2,039.00**	4 3/4"	8 3/4"	-	-	-	-	-	50
	0385DY	Double–Hi-Set with Two Side Inlets	**3,081.00**	4 3/4"	8 3/4"	-	-	-	-	-	141

ADD FOR:

	SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

SINGLE

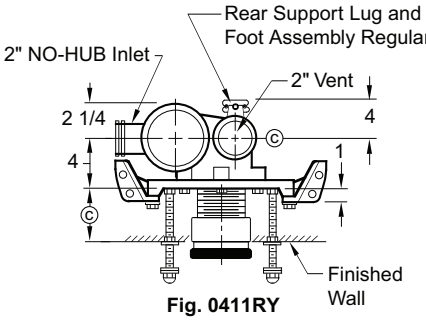


Fig. 0411RY
TOP VIEW

DOUBLE

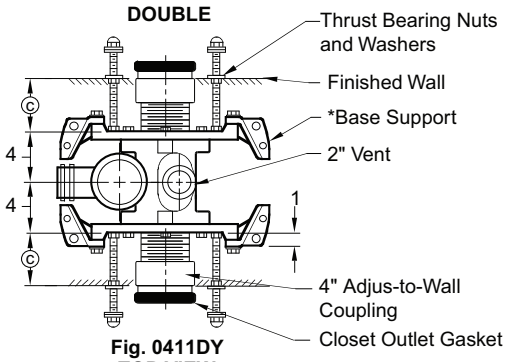
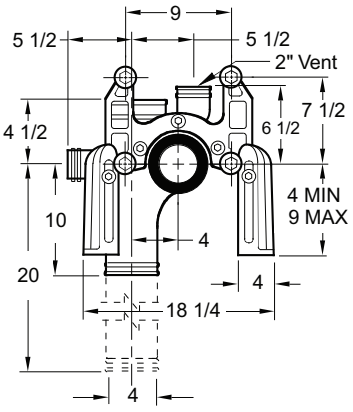


Fig. 0411DY
TOP VIEW



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.

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"*	G	J	APPROX. WT. LBS.
CAULK	0410L	Single Left Hand	**1,361.00**	8"	5 1/2"	70
	0410R	Single Right Hand	**1,361.00**	8"	5 1/2"	70
	0410D	Double	**2,428.00**	8"	5 1/2"	70
	0417L	Single Left Hand—Long Barrel	**1,424.00**	8"	5 1/2"	70
	0417R	Single Right Hand—Long Barrel	**1,424.00**	8"	5 1/2"	70
	0417D	Double—Long Barrel	**2,428.00**	8"	5 1/2"	96
	0419L	Single–Left Hand with One Sanitary Inlet—Long Barrel	**1,747.00**	8"	5 1/2"	79
	0419R	Single–Right Hand with One Sanitary Inlet—Long Barrel	**1,747.00**	8"	5 1/2"	79
	0419D	Double with One Sanitary Inlet—Long Barrel	**2,814.00**	8"	5 1/2"	96
NO-HUB	0410LY	Single Left Hand	**1,361.00**	10"	4 1/2"	70
	0410RY	Single Right Hand	**1,361.00**	10"	4 1/2"	70
	0410DY	Double	**2,428.00**	10"	4 1/2"	70
	0411LY	Single–Left Hand with One Sanitary Inlet	**1,747.00**	10"	4 1/2"	56
	0411RY	Single–Right Hand with One Sanitary Inlet	**1,747.00**	10"	4 1/2"	56
	0411DY	Double with One Sanitary Inlet	**2,814.00**	10"	4 1/2"	82
	0417LY	Single Left Hand—Long Barrel	**1,361.00**	10"	4 1/2"	70
	0417RY	Single Right Hand—Long Barrel	**1,361.00**	10"	4 1/2"	70
	0417DY	Double—Long Barrel	**2,428.00**	10"	4 1/2"	96
	0419LY	Single–Left Hand with One Sanitary Inlet—Long Barrel	**1,747.00**	10"	4 1/2"	52
	0419RY	Single–Right Hand with One Sanitary Inlet—Long Barrel	**1,747.00**	10"	4 1/2"	52
	0419DY	Double–with One Sanitary Inlet—Long Barrel	**2,814.00**	10"	4 1/2"	82

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0415Y VERTICAL OFFSET FITTINGS FOR SIPHON JET WATER CLOSETS WITH SANITARY INLET

SINGLE

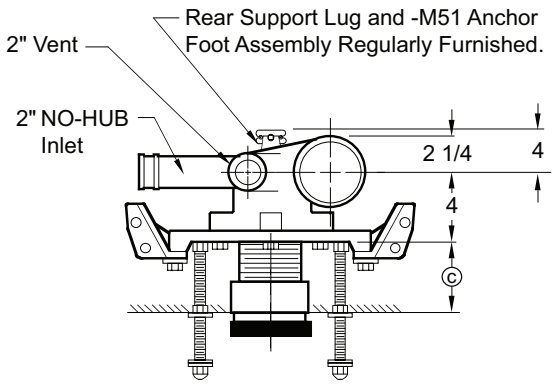
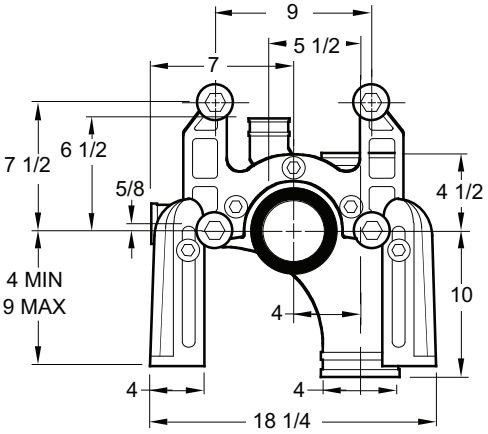


Fig. 0415LY
Top View



Front View

DOUBLE

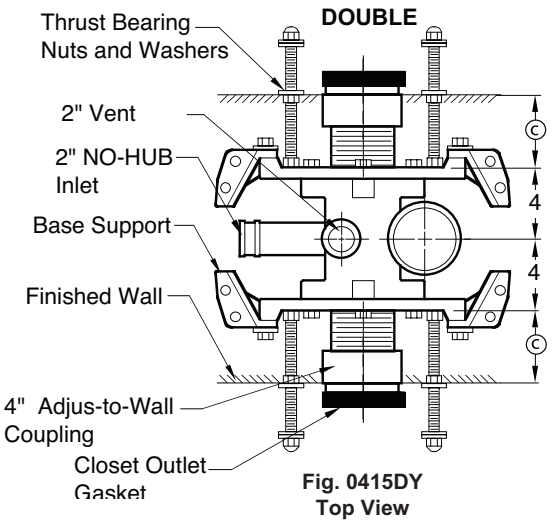


Fig. 0415DY
Top View

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	**1,559.00**	77
	0415RY	Single–Right Hand with One Sanitary Inlet	**1,559.00**	77
	0415DY	Double–with One Sanitary Inlet	**2,443.00**	101

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0416Y VERTICAL FITTINGS FOR SIPHON JET WATER CLOSETS WITH SIDE INLET - RESIDENTIAL

SINGLE

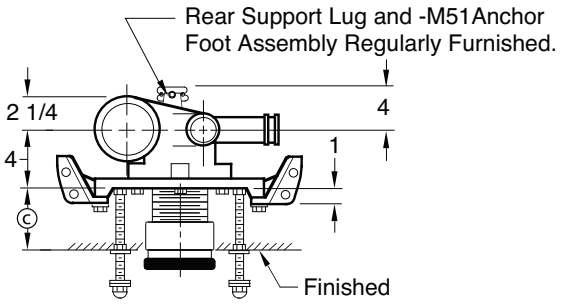


Fig. 0416RY
Top View

DOUBLE

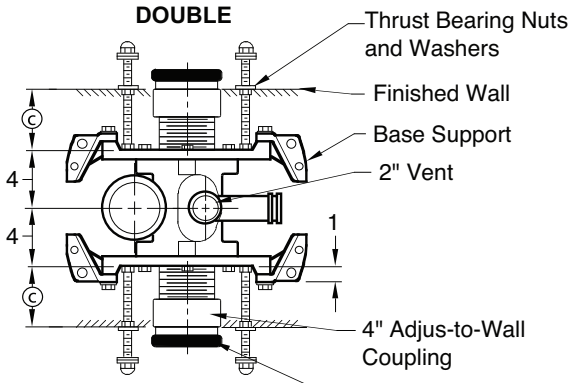
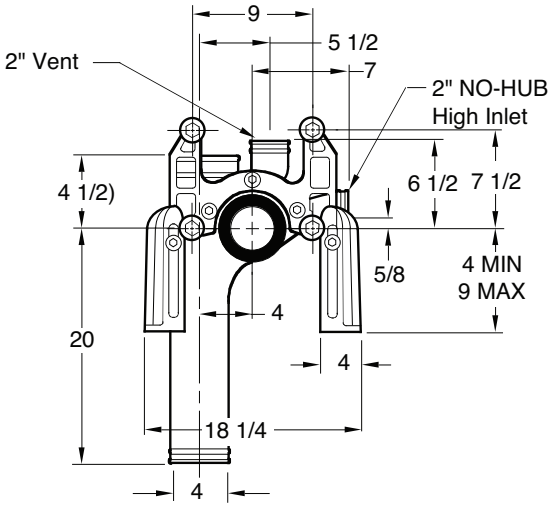


Fig. 0416DY
Top View



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.

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"**	N	APPROX. WT. LBS.
NO-HUB	0416LY	Single–Left Hand with One High Sanitary Inlet on Vent Side	**1,747.00**	7 1/2"	53
	0416RY	Single–Right Hand with One High Sanitary Inlet on Vent Side	**1,747.00**	7 1/2"	53
	0416DY	Double–with One High Sanitary Inlet on Vent Side	**2,814.00**	7 1/2"	82

Add **$298.00 for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0430, 0437 VERTICAL OFFSET FITTINGS FOR BLOWOUT WATER CLOSETS

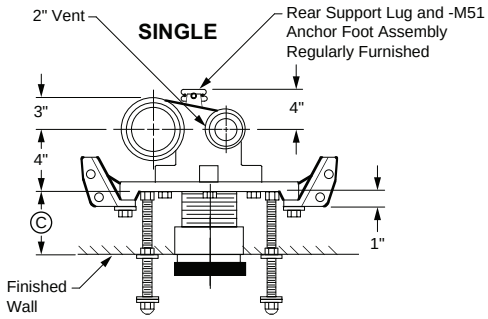


Fig. 0430
Top View

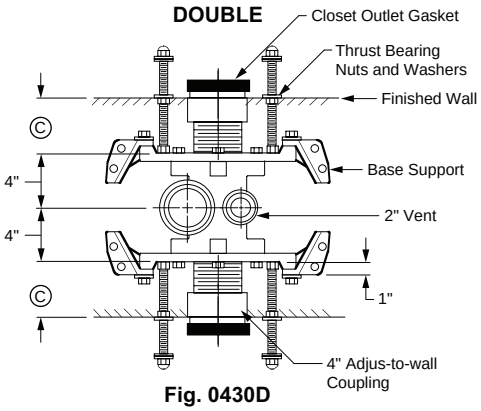


Fig. 0430D
Top View

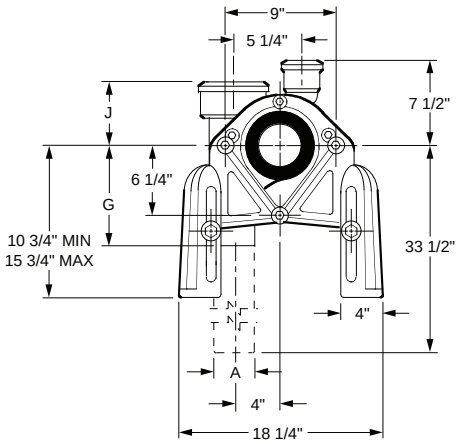


Fig. 0430
Front View

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 Adjus-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	**1,424.00**	8"	5 1/2"	70
	0430R	Single–Right Hand	**1,424.00**	8"	5 1/2"	70
	0430D	Double	**2,428.00**	8"	5 1/2"	70
	0437L	Single–Left Hand—Long Barrel	**1,424.00**	8"	5 1/2"	70
	0437R	Single–Right Hand—Long Barrel	**1,424.00**	8"	5 1/2"	70
NO-HUB	0430LY	Single–Left Hand	**1,424.00**	10"	4 1/2"	70
	0430RY	Single–Right Hand	**1,424.00**	10"	4 1/2"	70
	0430DY	Double	**2,428.00**	10"	4 1/2"	70
	0437LY	Single–Left Hand—Long Barrel	**1,424.00**	10"	4 1/2"	70
	0437RY	Single–Right Hand—Long Barrel	**1,424.00**	10"	4 1/2"	70
	0437DY	Double—Long Barrel	**2,428.00**	10"	4 1/2"	96

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0431 VERTICAL OFFSET FITTINGS FOR BLOWOUT WATER CLOSETS WITH SANITARY SWEEP INLET

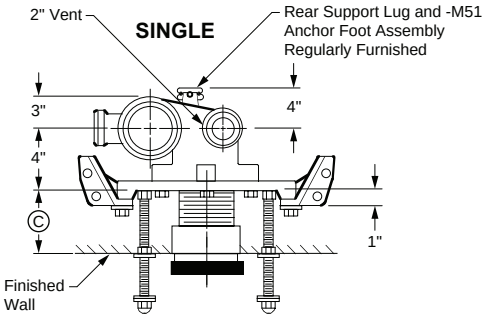


Fig. 0431
Top View

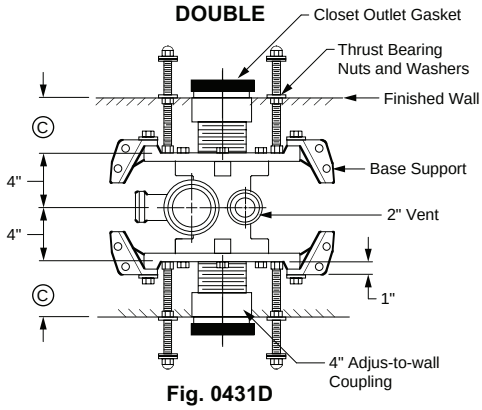


Fig. 0431D
Top View

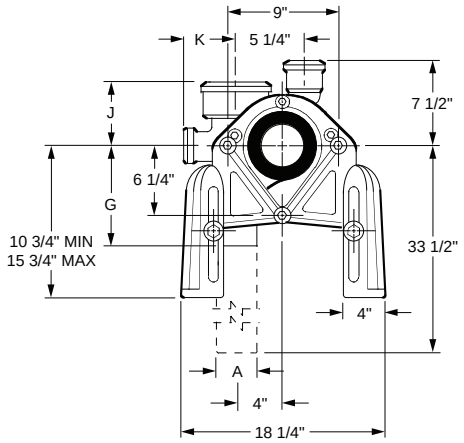


Fig. 0431
Front View

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 †04"*	G	J	K	APPROX. WT. LBS.
CAULK	0431L	Single–Left Hand with One Sanitary Inlet	**1,424.00**	8"	5 1/2"	7"	56
	0431R	Single–Right Hand with One Sanitary Inlet	**1,424.00**	8"	5 1/2"	7"	56
	0431D	Double with One Sanitary Inlet	**2,443.00**	8"	5 1/2"	7"	82
NO-HUB	0431LY	Single–Left Hand with One Sanitary Inlet	**1,424.00**	8"	4 1/2"	5 1/2"	56
	0431RY	Single–Right Hand with One Sanitary Inlet	**1,424.00**	8"	4 1/2"	5 1/2"	56
	0431DY	Double with One Sanitary Inlet	**2,443.00**	8"	4 1/2"	5 1/2"	82

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0440, 0447, 0450, 0457 SERIES HUB & SPIGOT VERTICAL CENTER LINE FITTINGS FOR SIPHON JET WATER CLOSETS

SINGLE

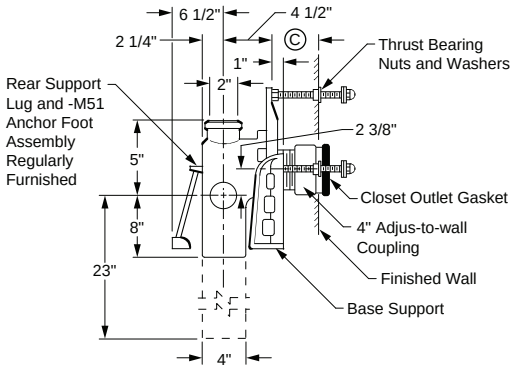


Fig. 0440
Side View

SINGLE

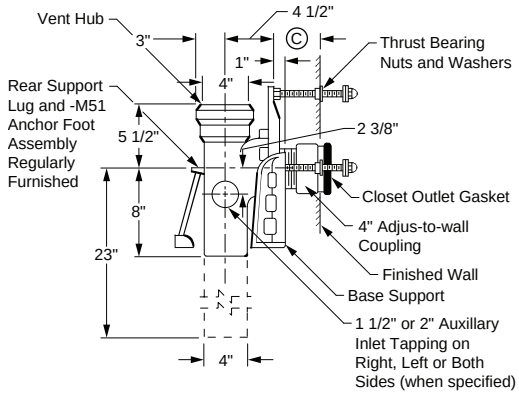


Fig. 0450
Side View

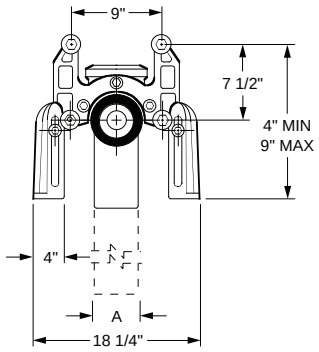


Fig. 0440, 0450
Front View

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	0440	Single–with Vent–Short Barrel	**1,323.00**	38
	0447	Single–with 2" Vent–Long Barrel	**1,323.00**	58
	0450	Single–with 4" Vent–Short Barrel	**1,323.00**	41
	0457	Single–with 4" Vent–Long Barrel	**1,323.00**	61

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0440Y, 0447Y, 0450Y, 0457Y SERIES VERTICAL CENTER LINE FITTINGS FOR SIPHON JET WATER CLOSETS

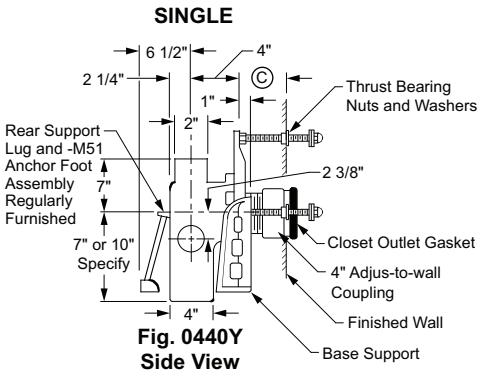


Fig. 0440Y
Side View

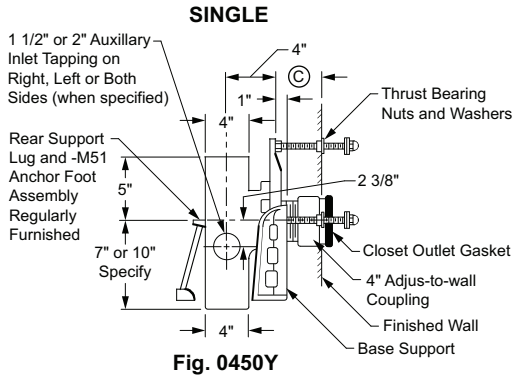


Fig. 0450Y
Side View

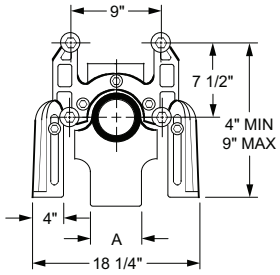


Fig. 0440Y, 0450Y
Front View

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

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04"*	APPROX. WT. LBS.
NO-HUB	0440Y	Single–with 2" Vent–Short Barrel	**1,323.00**	38
	0447Y	Single–with 2" Vent–Long Barrel	**1,323.00**	58
	0450Y	Single–with 4" Vent–Short Barrel	**1,323.00**	41
	0457Y	Single–with 4" Vent–Long Barrel	**1,323.00**	61

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

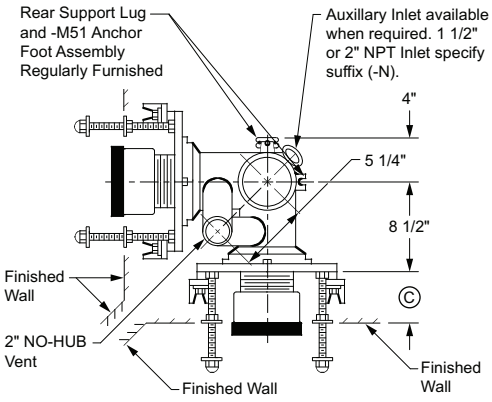


Fig. 0444Y
Top View

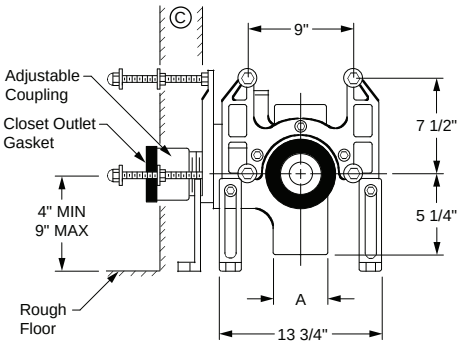


Fig. 0444Y
Front View

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.

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	0444	Double–90˚ with 2" Vent–Short Barrel	**4,057.00**	77
NO-HUB	0444Y	Double–90˚ with 2" Vent–Short Barrel	**4,057.00**	77

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0480, 0490 VERTICAL CENTER LINE FITTINGS FOR BLOWOUT WATER CLOSETS

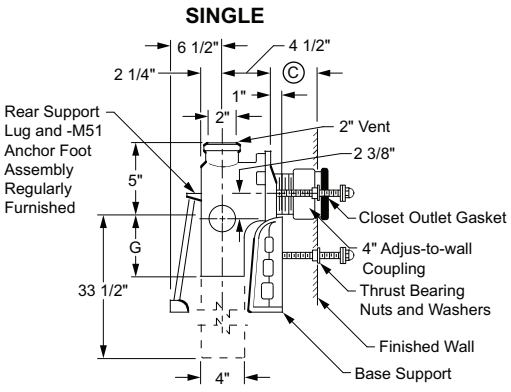


Fig. 0480
Side View

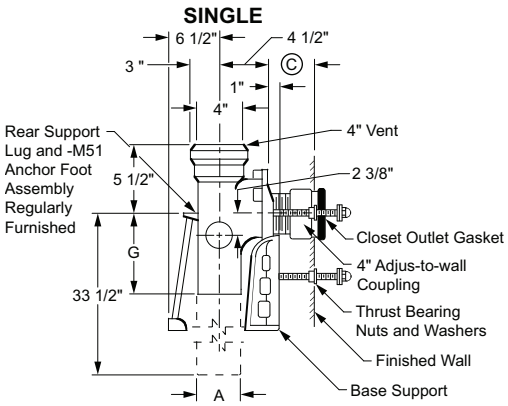


Fig. 0490
Side View

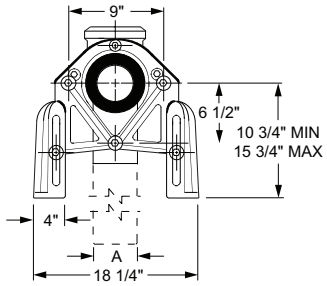


Fig. 0490
Front View

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	A SIZE †04"*	G	APPROX. WT. LBS.
CAULK	0480	Single–with 2" Vent–Short Barrel	**1,323.00**	8"	38
	0490	Single–with 4" Vent–Short Barrel	**1,323.00**	8"	41
NO-HUB	0480Y	Single–with 2" Vent–Short Barrel	**1,323.00**	10"	38
	0490Y	Single–with 4" Vent–Short Barrel	**1,323.00**	10"	41

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

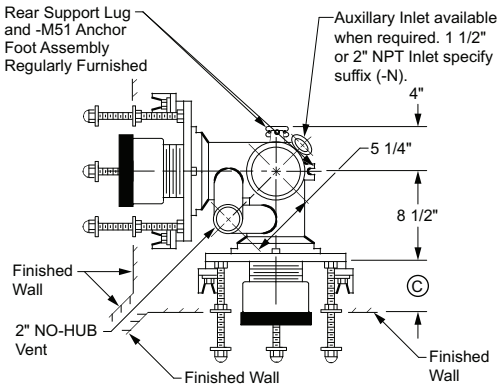


Fig. 0484Y
Top View

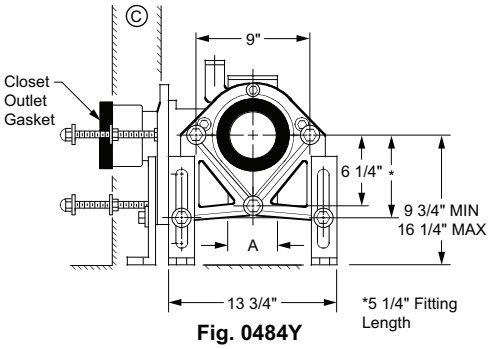


Fig. 0484Y
Front View

OUTLET TYPE	FIGURE NO.	TYPE OF FITTING	A SIZE †04"*	APPROX. WT. LBS.
CAULK	0484	Double–90˚ with 2" Vent–Short Barrel	**3,766.00**	77
NO-HUB	0484Y	Double–90˚ with 2" Vent–Short Barrel	**3,766.00**	77

*Add **$298.00** 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.

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**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

FIG. 0487, 0487Y, 0497, 0497Y SERIES VERTICAL CENTER LINE FITTINGS FOR BLOWOUT WATER CLOSETS

SINGLE

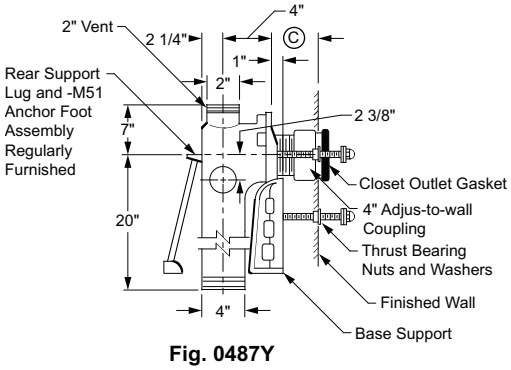


Fig. 0487Y
Side View

SINGLE

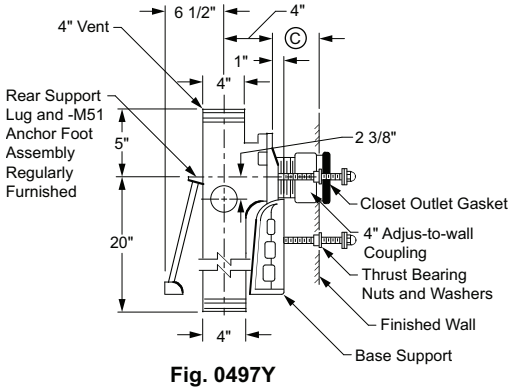


Fig. 0497Y
Side View

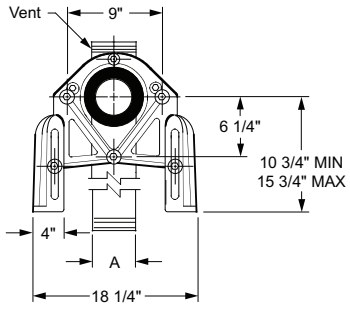


Fig. 0487Y, 0497Y
Front View

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).

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	**1,323.00**	58
	0497	Single–with 4" Vent–Long Barrel	**1,323.00**	61
NO-HUB	0487Y	Single–with 2" Vent–Long Barrel	**1,323.00**	58
	0497Y	Single–with 4" Vent–Long Barrel	**1,323.00**	61

*Add **$298.00** for each additional auxiliary tapping.

	ADD FOR: SINGLE	DOUBLE
Cast Iron or PVC Outlet Nipple & Steel Studs over 12" (**PER INCH**)	**86.00**	**172.00**
M13 Finishing Frame	**75.00**	**150.00**

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

†REGULARLY FURNISHED

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

DOUBLE

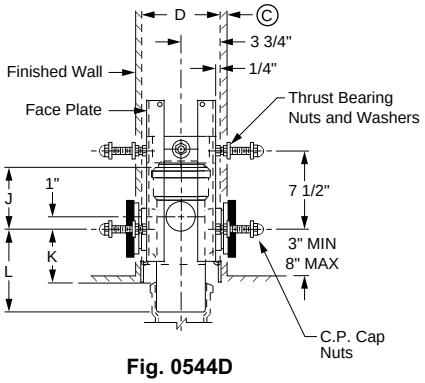


Fig. 0544D
Side View

SINGLE

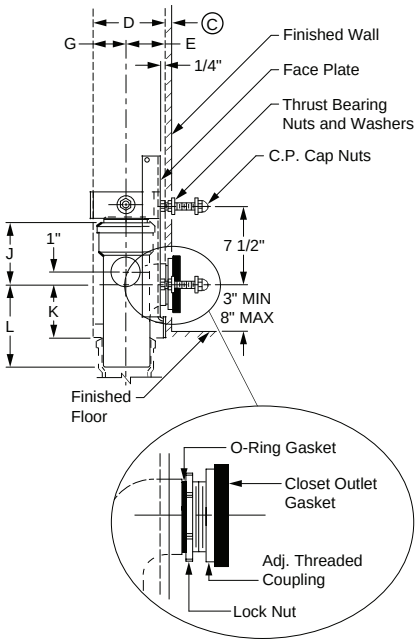


Fig. 0544
Side View

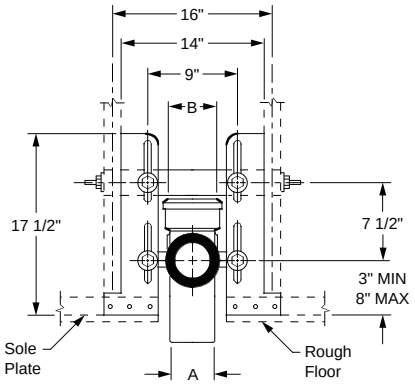


Fig. 0544
Front View

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.

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	**727.00**	03"	02"	2 x 6"	3 1/2"	1 3/4"	5 1/4"	5 1/4"	8"	25
	0533	Single–3" Inlet & Outlet with 3" Vent Conn	**727.00**	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	**1,000.00**	04"	02"	2 x 8"	3 1/2"	3 1/2"	5 1/4"	5"	8"	27
	0544	Single–4" Inlet & Outlet with 4" Vent Conn	**1,000.00**	04"	04"	2 x 8"	3 1/2"	3 1/2"	6"	5"	8"	29
	0544D	Double–4" Inlet & Outlet	**1,709.00**	04"	04"	2 x 8"	-	-	6"	5"	8"	46

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

†REGULARLY FURNISHED

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

DOUBLE

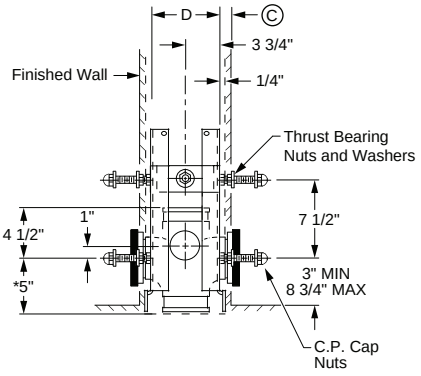


Fig. 0544DY
Side View

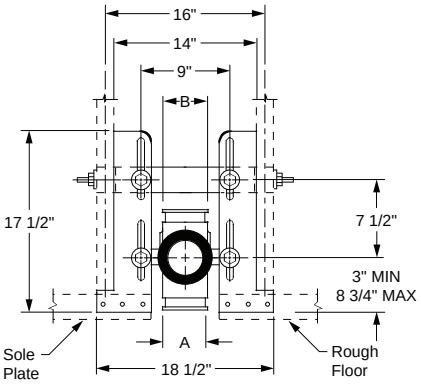


Fig. 0544Y
Front View

SINGLE

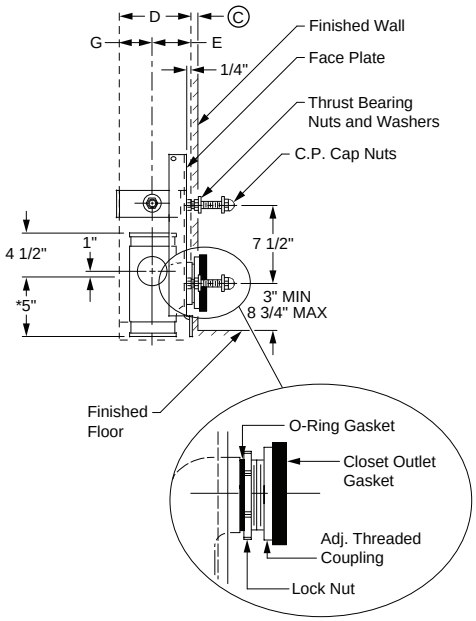


Fig. 0544Y
Side View

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.

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	**1,323.00**	03"	02"	2 x 6"	3 1/2"	1 3/4"	25
	0533Y	Single–3" Inlet & Outlet with 3" Vent Conn	**1,323.00**	03"	03"	2 x 6"	3 1/2"	1 3/4"	27
	0542Y	Single–4" Inlet & Outlet with 2" Vent Conn	**1,323.00**	04"	02"	2 x 8"	3 1/2"	3 1/2"	27
	0544Y	Single–4" Inlet & Outlet with 4" Vent Conn	**1,323.00**	04"	04"	2 x 8"	3 1/2"	3 1/2"	29
	0544DY	Double–4" Inlet & Outlet	**1,918.00**	04"	04"	2 X 8"	-	-	46

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

†REGULARLY FURNISHED

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

DOUBLE

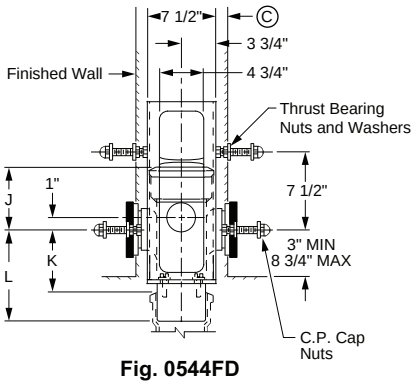


Fig. 0544FD
Side View

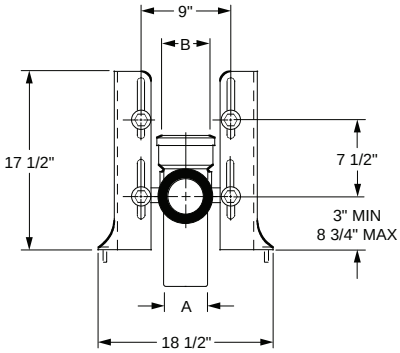


Fig. 0544F
Front View

SINGLE

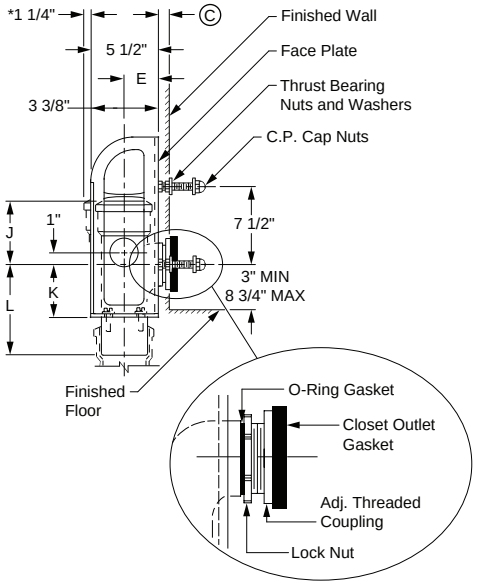


Fig. 0533F
Side View

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

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	**1,323.00**	03"	02"	3"	5 1/4"	5 1/4"	8"	50
	0533F	Single–3" Inlet & Outlet with 3" Vent Conn	**1,323.00**	03"	03"	3"	6"	5 1/4"	8"	52
	0542F	Single–4" Inlet & Outlet with 2" Vent Conn	**1,323.00**	04"	02"	3 1/2"	5 1/4"	5"	8"	51
	0544F	Single–4" Inlet & Outlet with 4" Vent Conn	**1,323.00**	04"	04"	3 1/2"	6"	5"	8"	54
	0544FD	Double–4" Inlet & Outlet	**1,918.00**	04"	04"	-	6"	5"	8"	73

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

DOUBLE

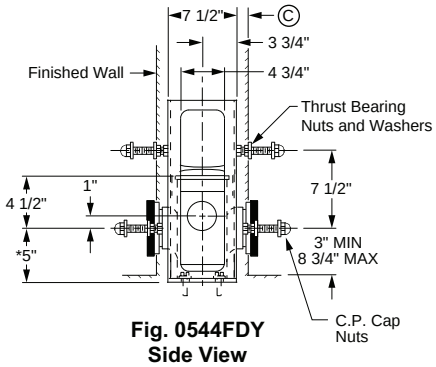


Fig. 0544FDY
Side View

SINGLE

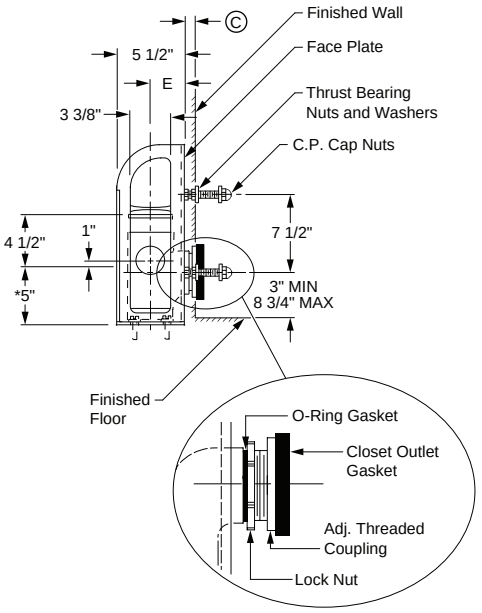


Fig. 0544FY
Side View

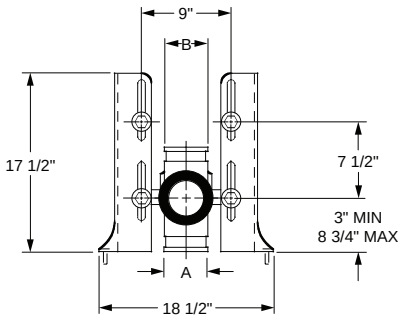


Fig. 0544FY
Front View

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

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	**1,323.00**	03"	02"	3"	50
	0533FY	Single–3" Inlet & Outlet with 3" Vent Conn	**1,323.00**	03"	03"	3"	52
	▲ 0542FY	Single–4" Inlet & Outlet with 2" Vent Conn	**1,323.00**	04"	02"	3 1/2"	51
	▲ 0544FY	Single–4" Inlet & Outlet with 4" Vent Conn	**1,323.00**	04"	04"	3 1/2"	54
	▲ 0544FDY	Double–4" Inlet & Outlet	**1,918.00**	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

FIG. 0548 RESIDENTIAL FIXTURE SUPPORTS FOR SIPHON JET WATER CLOSETS ADAPTER TYPE WITHOUT FITTINGS

SINGLE

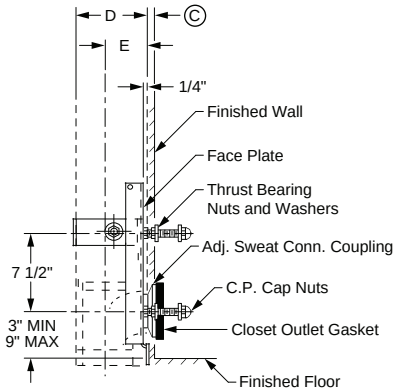


Fig. 0548
Side View

DOUBLE

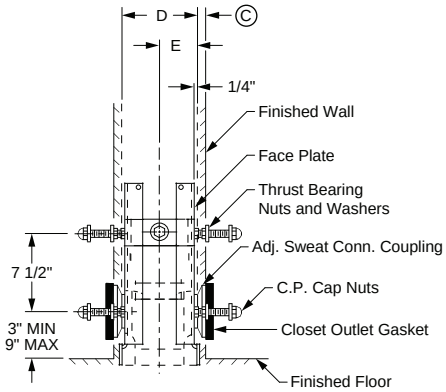


Fig. 0548D
Side View

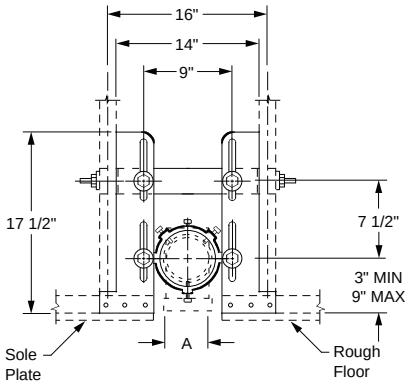


Fig. 0548
Front View

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.

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	**621.00**	03"	2 x 6"	4"	17
	0548-4	Single–4" Copper Sweat Connection	**774.00**	04"	2 x 8"	5"	19
	0548D3	Double–3" Copper Sweat Connection	**1,138.00**	03"	2 x 8"	-	34
	0548P	Single–3" Plastic Connection	**621.00**	03"	2 x 8"	4 1/2"	18
	0548DP	Double–3" Plastic Connection	**1,138.00**	03"	2 x 10"	-	34

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

†REGULARLY FURNISHED

FIG. 0548F RESIDENTIAL SUPPORTS FOR SIPHON JET WATER CLOSETS ADAPTER TYPE WITHOUT FITTINGS

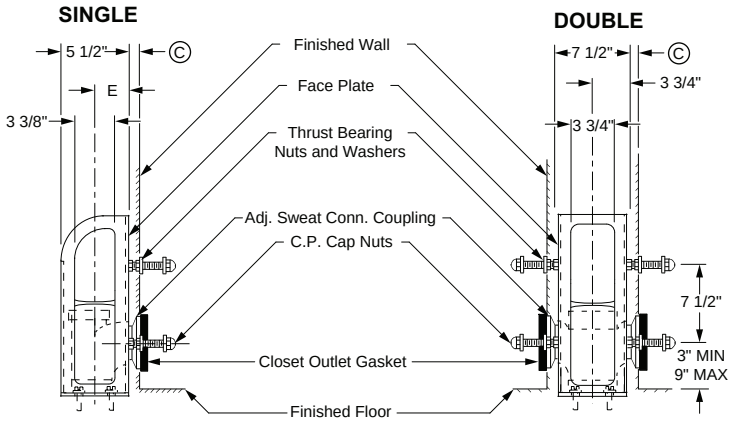


Fig. 0548F
Side View

Fig. 0548FD
Side View

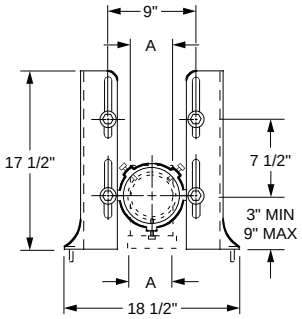


Fig. 0548F
Front View

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	**940.00**	03"	4"	38
	▲ 0548F-4	Single–4" Copper Sweat Connection	**1,081.00**	04"	5"	38
	0548FD3	Double–3" Copper Sweat Connection	**1,448.00**	03"	-	52
	0548FP	Single–3" Plastic Connection	**940.00**	03"	4 1/2"	37
	0548FDP	Double–3" Plastic Connection	**1,448.00**	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 RESIDENTIAL SUPPORTS FOR SIPHON JET WATER CLOSETS VERTICAL OFFSET FITTINGS

SINGLE

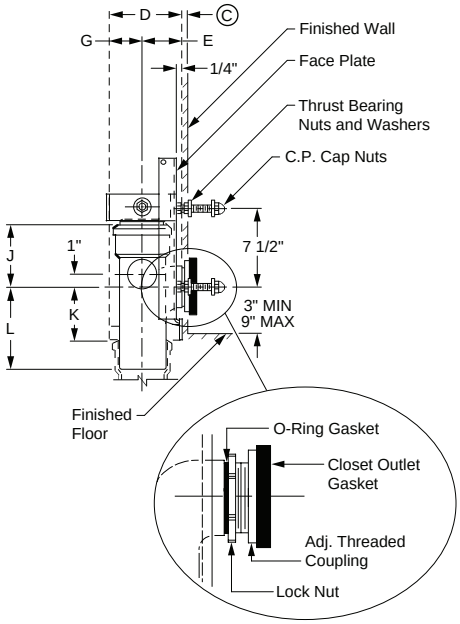


Fig. 0550
Side View

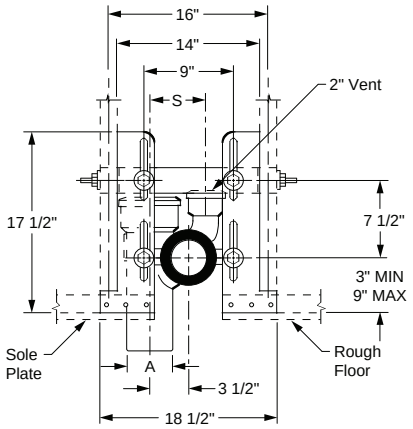


Fig. 0550
Front View

DOUBLE

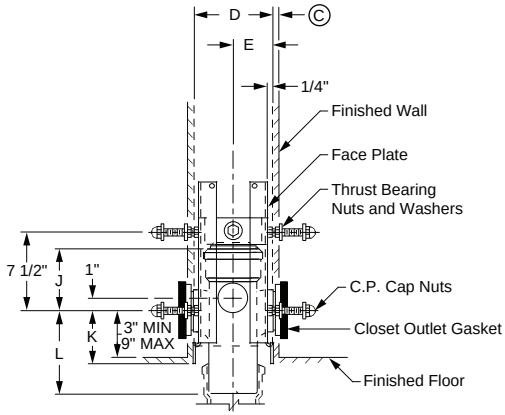


Fig. 0550D
Side View

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.

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	**1,241.00**	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	**1,241.00**	04"	2 x 8"	3 3/4"	3 3/4"	6"	5"	8"	5 1/4"	32
	0550R3	Single–Right Hand, 3" Caulk Connection	**1,241.00**	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	**1,241.00**	04"	2 x 8"	3 3/4"	3 3/4"	6"	5"	8"	5 1/4"	32
	0550D3	Double–3" Caulk Connection	**2,128.00**	03"	2 x 6"	3 3/4"	1 3/4"	6"	5 1/4"	8"	5 1/4"	50
	0550D4	Double–4" Caulk Connection	**2,128.00**	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 RESIDENTIAL SUPPORTS FOR SIPHON JET WATER CLOSETS VERTICAL OFFSET FITTINGS

SINGLE

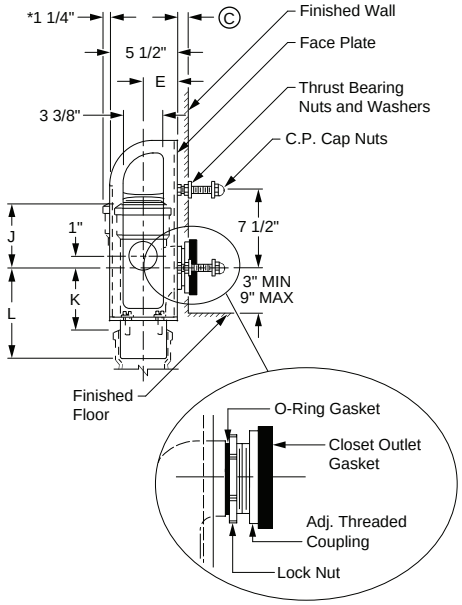


Fig. 0550F
Side View

DOUBLE

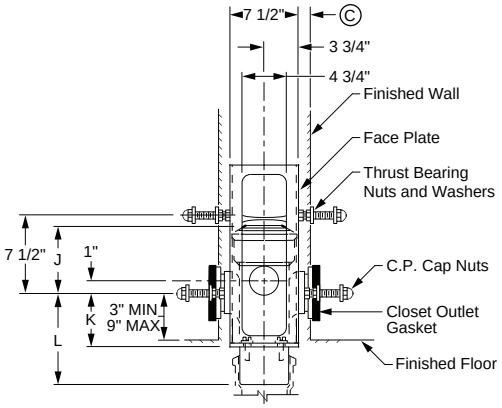


Fig. 0550FD
Side View

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.

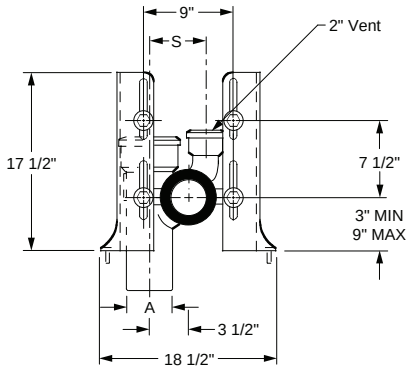


Fig. 0550F
Front View

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	**1,241.00**	03"	3"	6"	5 1/4"	8"	5 1/4"	62
	0550FL4	Single–Left Hand, 4" Caulk Connection	**1,241.00**	04"	3 3/4"	6"	5"	8"	5 1/4"	55
	0550FR3	Single–Right Hand, 3" Caulk Connection	**1,241.00**	03"	3"	6"	5 1/4"	8"	5 1/4"	62
	0550FR4	Single–Right Hand, 4" Caulk Connection	**1,241.00**	04"	3 3/4"	6"	5"	8"	5 1/4"	55
	0550FD3	Double–3" Caulk Connection	**2,128.00**	03"	3"	6"	5 1/4"	8"	5 1/4"	76
	0550FD4	Double–4" Caulk Connection	**2,128.00**	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 FACE PLATE FIXTURE SUPPORTS WITHOUT FITTINGS FOR SIPHON JET WATER CLOSETS

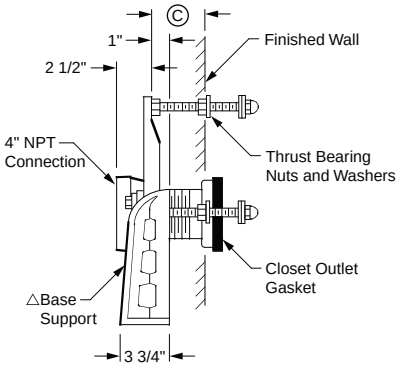


Fig. 0600
Side View

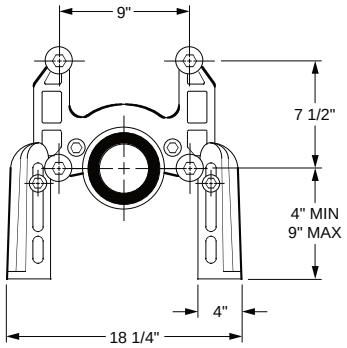


Fig. 0600
Front View

NOTE: △Base 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.

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.
0600	Siphon Jet Type, 4" Connection	**1,113.00**	27

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

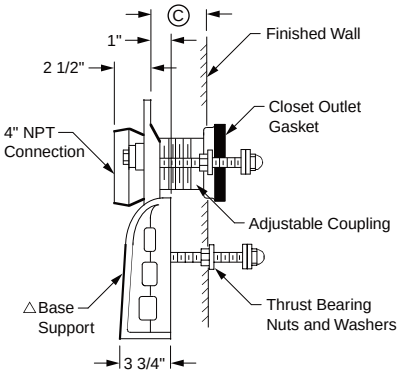


Fig. 0620
Side View

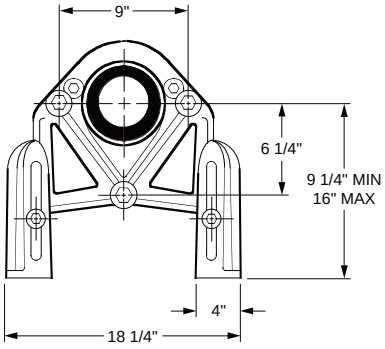


Fig. 0620
Front View

NOTE: △Base 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.

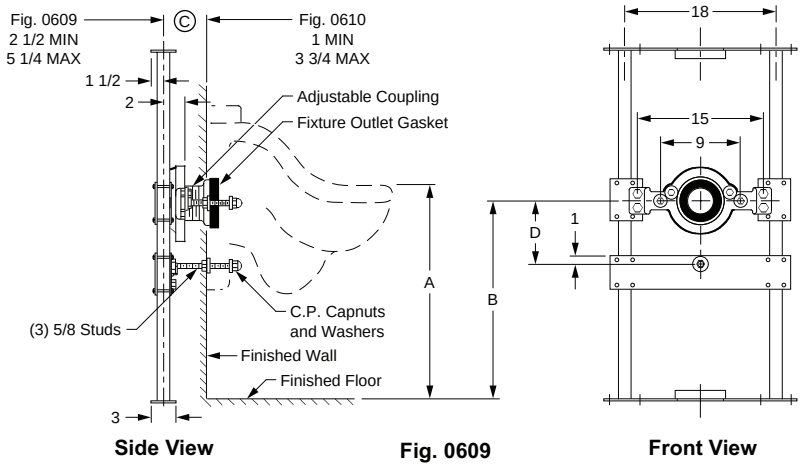
The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then 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.
0620	Blowout Type, 4" Connection	**1,113.00**	31

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



Side View **Fig. 0609** **Front View**

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

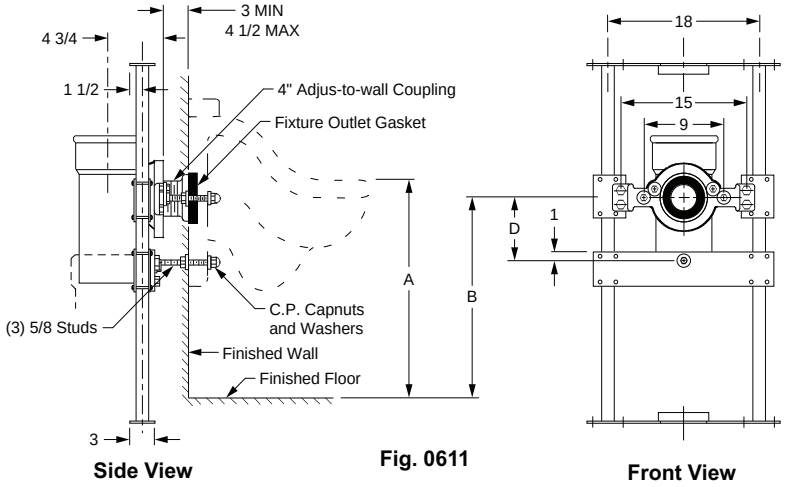
NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0609	3" Outlet Conn & Bottom Bearing Plate	**1,354.00**	42
0610	4" Outlet Conn & Bottom Bearing Plate	**1,354.00**	43

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



Side View **Fig. 0611** **Front View**

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.

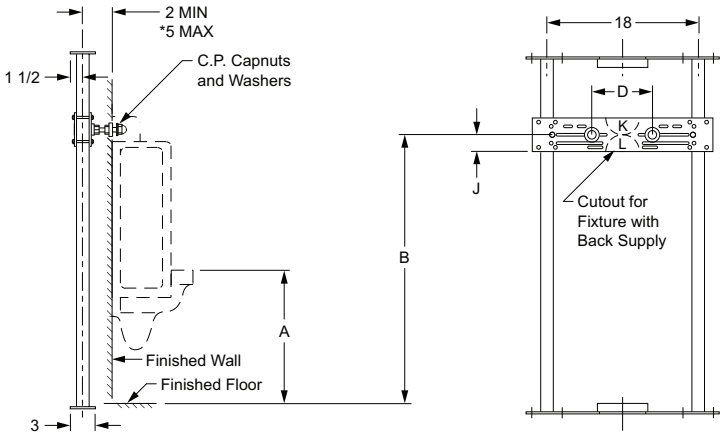
FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0611	4" Outlet Connection	**2,244.00**	42

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.

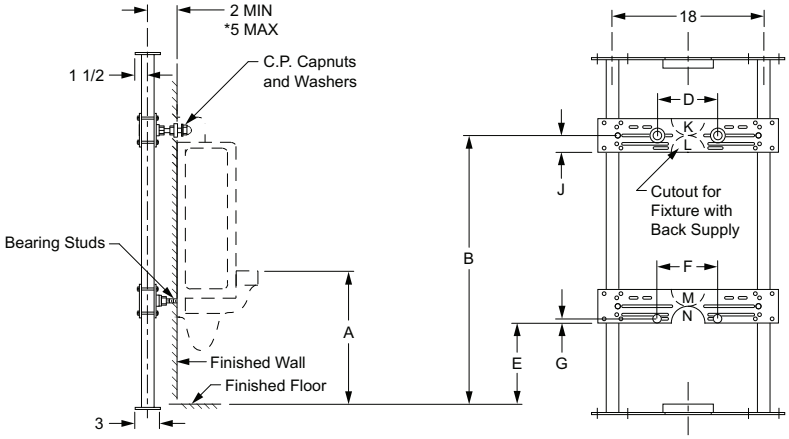
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

FIG. 0614, 0615 LABOR SAVER® URINAL SUPPORTS WITH HANGER PLATES FOR BLOWOUT AND WASHOUT URINALS



Side View **Fig. 0614** **Front View**



Side View **Fig. 0615** **Front View**

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.

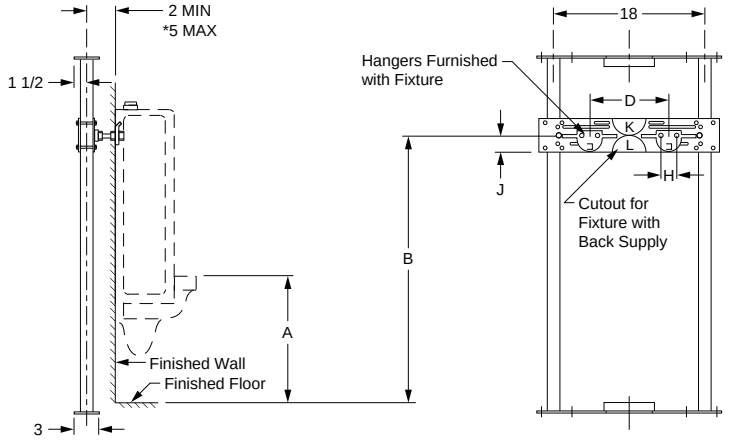
For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0614	Less Bottom Bearing Plate	**849.00**	26
0615	With Bottom Bearing Plate	**949.00**	32

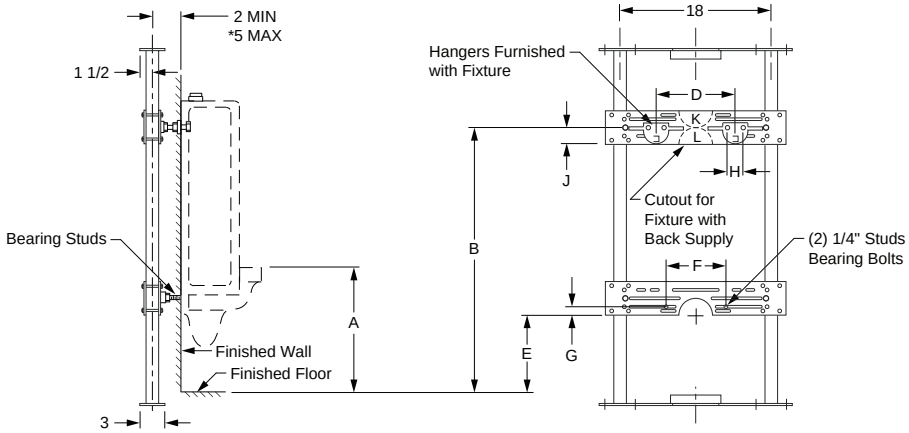
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

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



Side View **Fig. 0616** **Front View**



Side View **Fig. 0617** **Front View**

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.

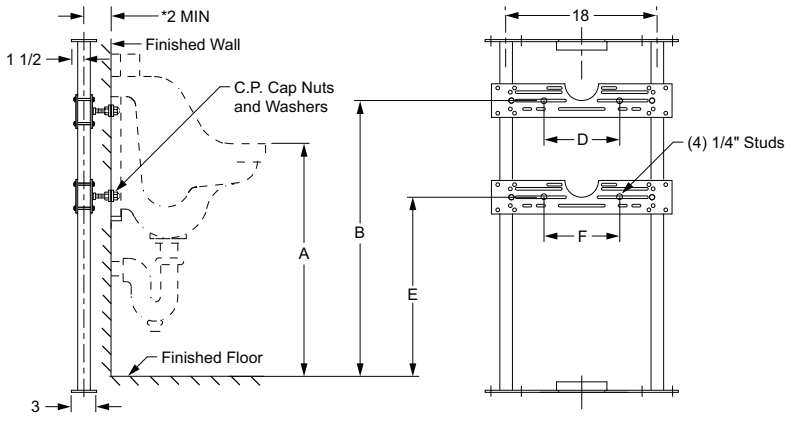
For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0616	Less Bottom Bearing Plate	**849.00**	26
0617	With Bottom Bearing Plate	**949.00**	32

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

†REGULARLY FURNISHED

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



Side View **Fig. 0622** **Front View**

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.

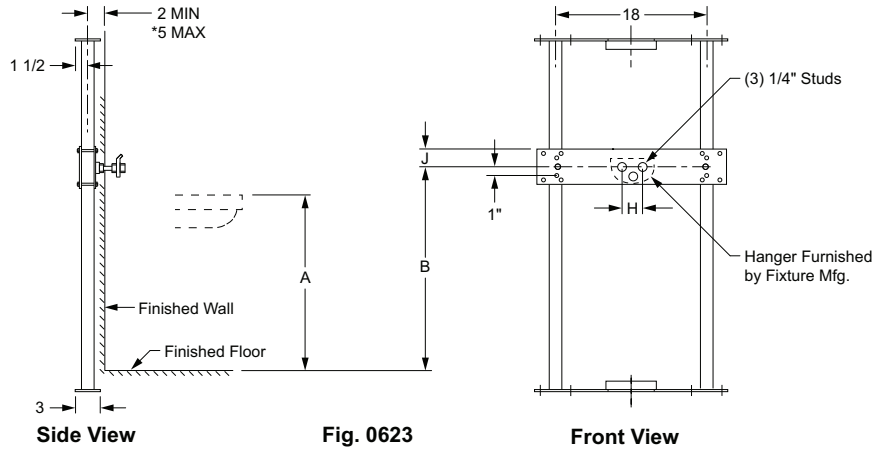
For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0622	With Bottom Bearing Plate	**949.00**	32

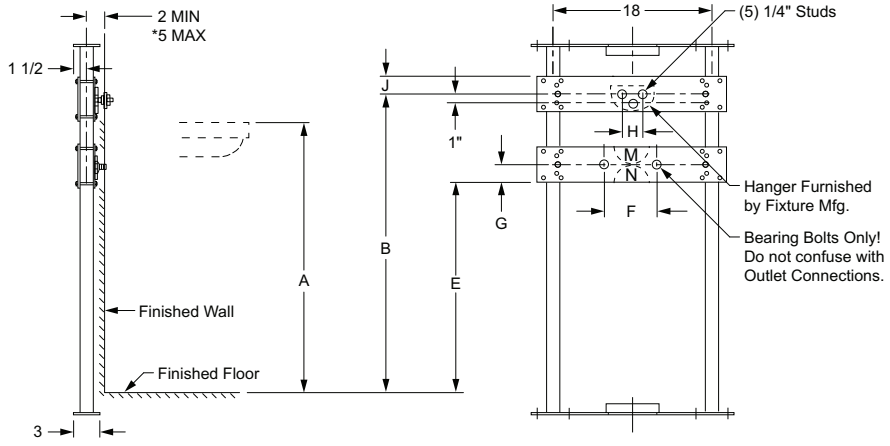
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

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



Side View **Fig. 0623** **Front View**



Side View **Fig. 0624** **Front View**

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.

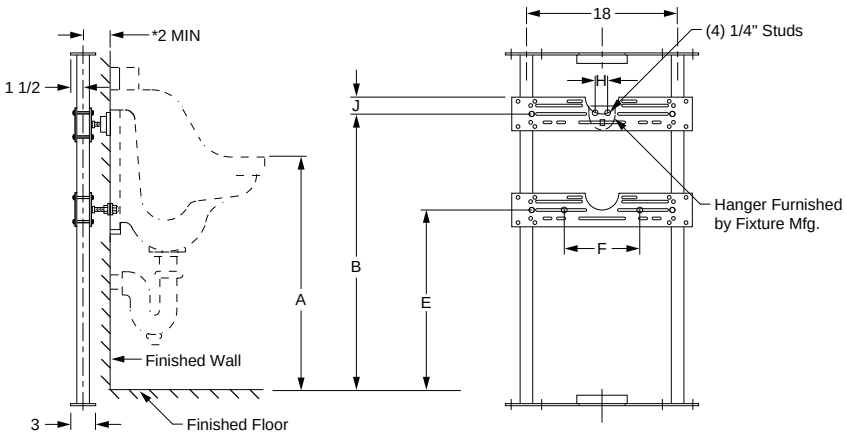
For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0623	Less Bottom Bearing Plate	**849.00**	26
0624	With Bottom Bearing Plate	**949.00**	32

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

†REGULARLY FURNISHED

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



Side View **Fig. 0628** **Front View**

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.

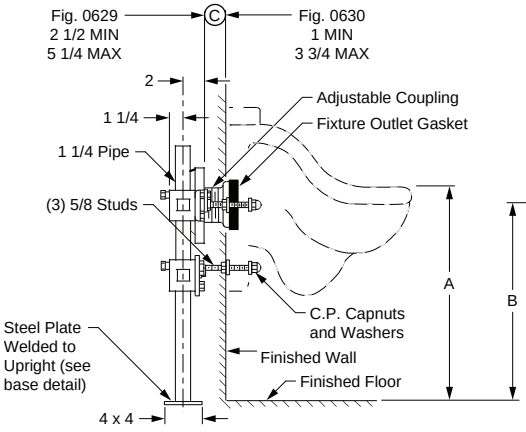
For lettered dimensions, contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0628	With Bottom Bearing Plate	**949.00**	32

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.

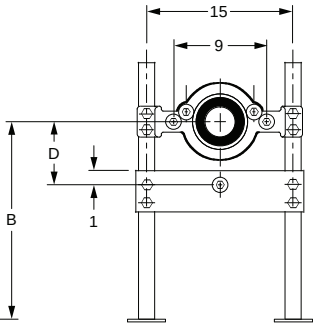
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

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

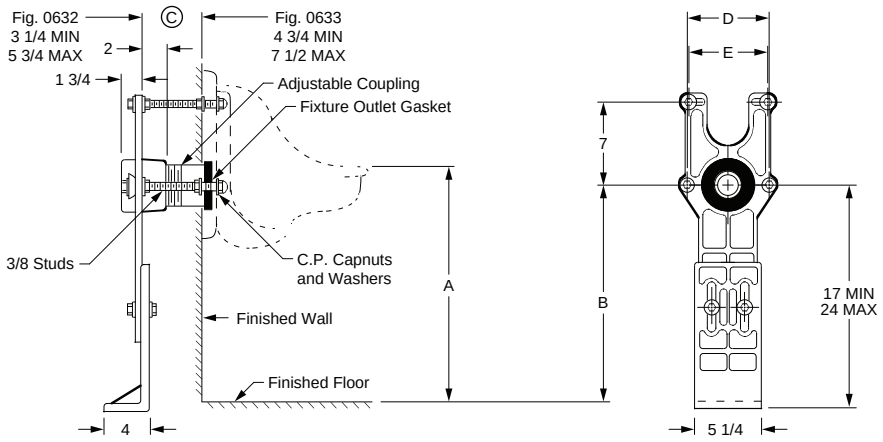


Side View

Fig. 0629



Front View



Side View

Fig. 0632

Front View

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0629	3" Outlet Conn & Bottom Bearing Plate	**1,543.00**	42
0630	4" Outlet Conn & Bottom Bearing Plate	**1,543.00**	43
0631	4" Outlet Connection	**1,725.00**	42
0632	2" Outlet Connection	**913.00**	33
0633	3" Outlet Connection	**913.00**	37

For lettered dimensions, contact factory.

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

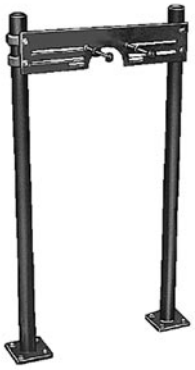
NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

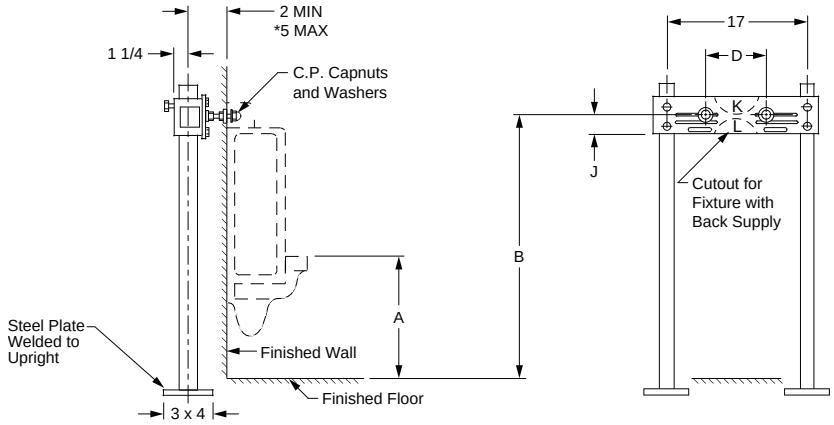
The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ANSI Standard A112.19.2M, Figure 13B. If gasket is not found to be compatible to fixture due to nonconformance of said fixture to ANSI A112.19.2M, then 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.

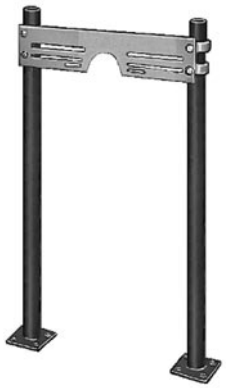
†REGULARLY FURNISHED

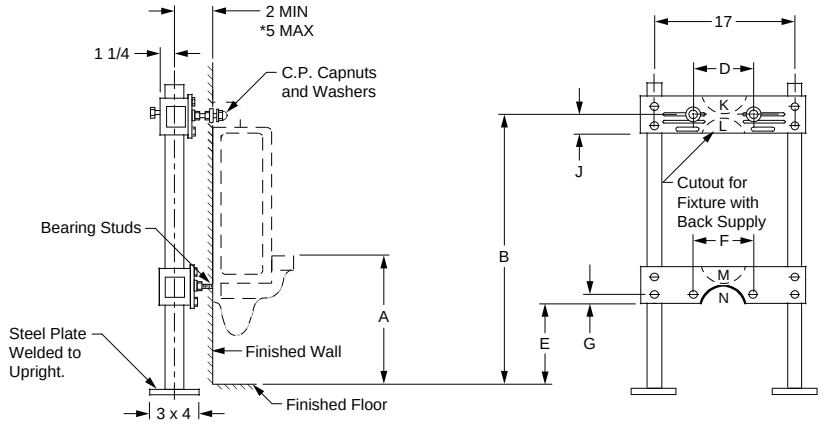
FIG. 0634, 0635, 0636, 0637 URINAL SUPPORTS FOR OFF-THE-FLOOR URINALS WITH HANGER PLATES FOR BLOWOUT AND WASHOUT URINALS





Side View **Fig. 0634** **Front View**





Side View **Fig. 0635** **Front View**

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0634	Less Bottom Bearing Plate	**471.00**	26
0635	With Bottom Bearing Plate	**543.00**	32
0636	Less Bottom Bearing Plate	**471.00**	26
0637	With Bottom Bearing Plate	**543.00**	32

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

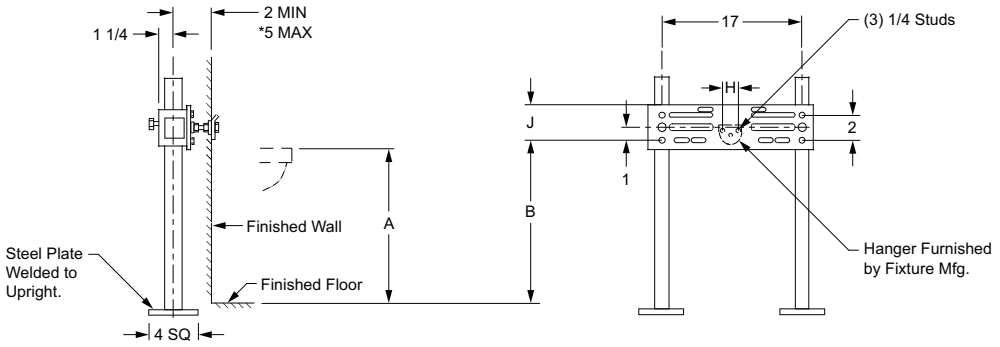
NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

For lettered dimensions, contact factory.

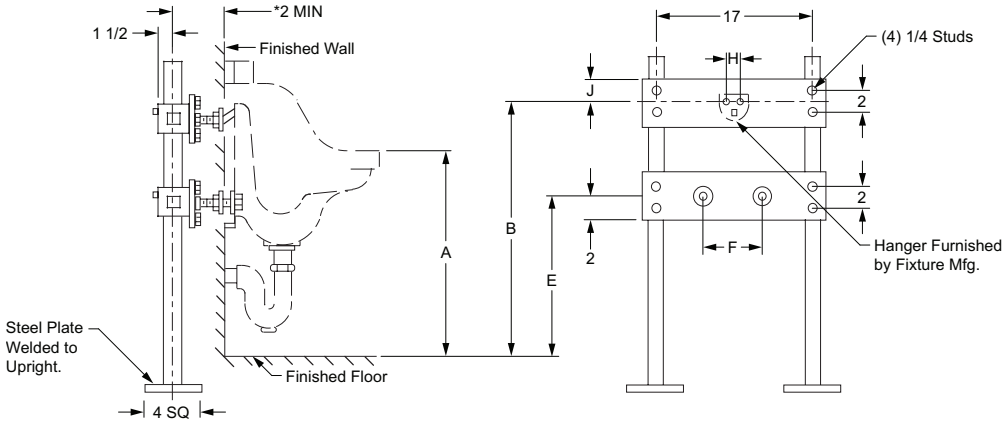
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

FIG. 0642, 0643, 0644, 0648 URINAL SUPPORTS FOR OFF-THE-FLOOR URINALS WITH HANGER PLATES FOR BLOWOUT AND WASHOUT URINALS



Side View **Fig. 0643** **Front View**



Side View **Fig. 0648** **Front View**

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0642	With Bottom Bearing Plate	**728.00**	32
0643	Less Bottom Bearing Plate	**728.00**	26
0644	With Bottom Bearing Plate	**728.00**	32
0648	With Bottom Bearing Plate	**728.00**	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 SERIES 90° DOUBLE VERTICAL INLET STACK FITTINGS

CAULK STACK

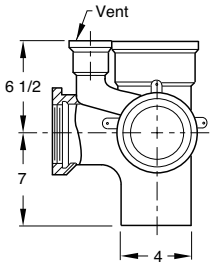


Fig. 0650

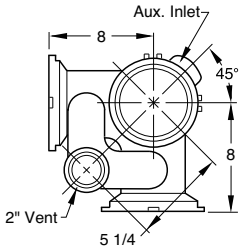


Fig. 0650 Top View

NO-HUB STACK

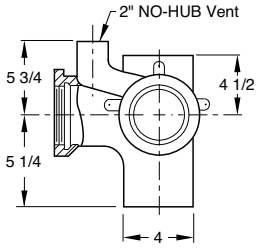


Fig. 0650Y

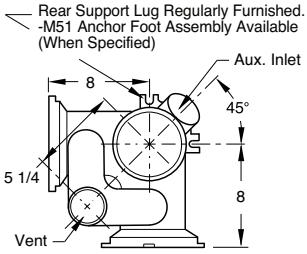


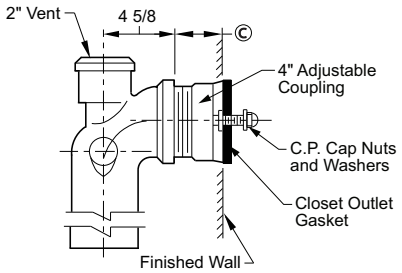
Fig. 0650Y Top View

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0650	Caulk Conn, Less 2" Auxiliary Tap	**2,402.00**	47
0650Y	No Hub Conn, Less 2" Auxiliary Tap	**2,402.00**	42
0651	Caulk Conn, With 2" Auxiliary Tap	**2,829.00**	47
0651Y	No Hub Conn, With 2" Auxiliary Tap	**2,829.00**	42
	Nipple with Coupling for Fittings Above	**N/C**	-

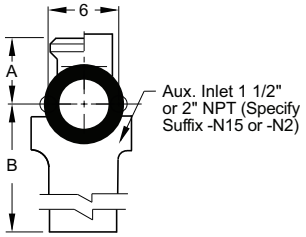
NOTE: Service weight regularly furnished on fittings above.
NOTE: Always specify fixture manufacturer's model name and number.

†REGULARLY FURNISHED

FIG 0672, 0674 SERIES INLET STACK FITTINGS FOR HUB AND SPIGOT SYSTEMS



SIDE VIEW



FRONT VIEW

Fig. 0672

© 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 A	SERVICE WEIGHT B	THREADED A	THREADED B	APPROX. WT. LBS.
0672	4" With 2" Vent Hub	**1,424.00**	5"	8"	5”	6”	19
0674	4" With 4" Vent Hub	**1,424.00**	5 1/2"	8"	5 1/2”	6”	19
	Nipple with Coupling for Fittings Above	**N/C**					-

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	**664.00**
M-80-NH	4" No Hub Connection, 6" long*	**664.00**
M-80-T	4" Thread Connection, 6" long*	**664.00**
M-81-NH	4" No Hub Connection, 12" long*	**580.00**
M-81-T	4" Thread Connection, 12" long*	**580.00**
M-84-4-NH	4" Male No Hub Connection	**333.00**
M-84-4-T	4" Male Thread Connection	**333.00**

*Add **$35.00** for each additional 6" of thru-wall stainless steel tubing required. For factory cut special lengths, add **$17.00** 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

FIG 0672Y, 0674Y NO-HUB VERTICAL CENTERLINE FITTING

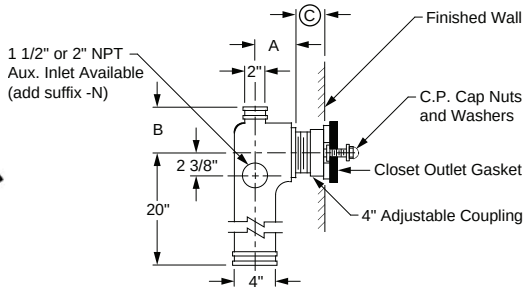


Fig. 0672Y
Side View

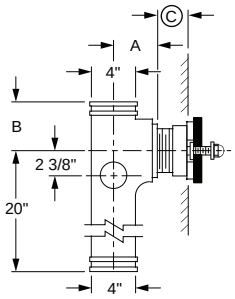


Fig. 0674Y
Side View

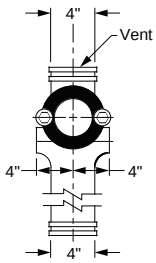


Fig. 0674Y
Front View

FIGURE NO.	DESCRIPTION	PRICE	NO-HUB A	NO-HUB B	APPROX. WT. LBS.
0672Y	Single–with 2" Vent	**1,323.00**	4"	7"	35
0674Y	Single–with 4" Vent	**1,323.00**	4"	5"	35

© 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

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

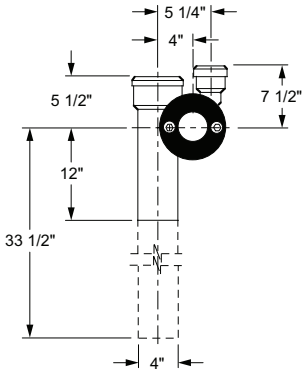


Fig. 0675
Front View

DOUBLE

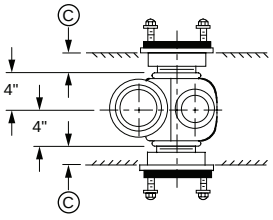


Fig. 0675D
Top View

SINGLE

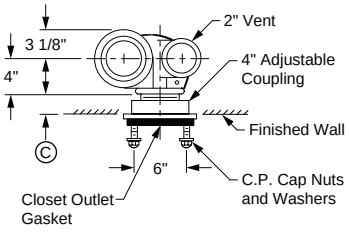


Fig. 0675
Top View

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0675L	Single–Left Hand	**1,397.00**	56
0675R	Single–Right Hand (Shown)	**1,397.00**	56
0688L	Single–Left Hand Long Barrel	**2,459.00**	48
0688R	Single–Right Hand Long Barrel	**2,459.00**	48
0688D	Double Long Barrel	**3,168.00**	68

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

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

FIG. 0676Y NO-HUB VERTICAL OFFSET WASTE FITTING

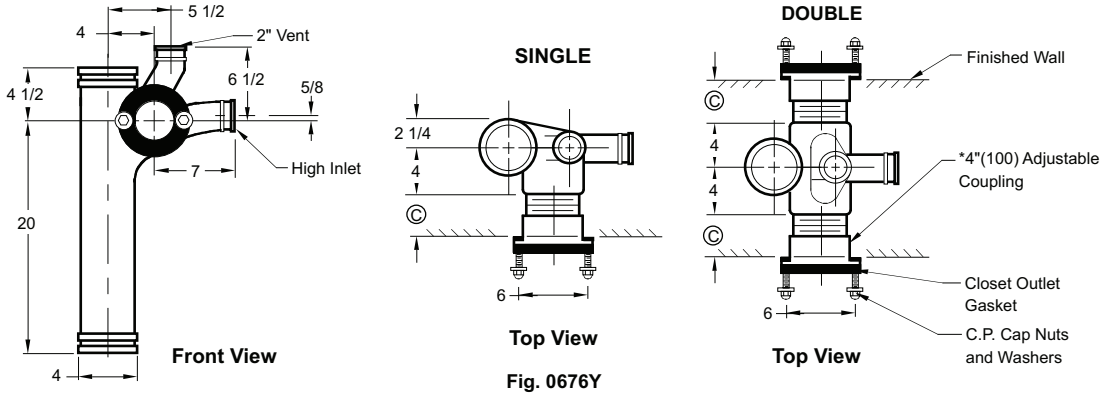


Fig. 0676Y

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0676LY	LH–w/One High Sanitary Inlet on Vent Side	**1,362.00**	36
0676RY	RH–w/One High Sanitary Inlet on Vent Side	**1,362.00**	36
0676DY	Dbl–w/One High Sanitary Inlet on Vent Side	**2,428.00**	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

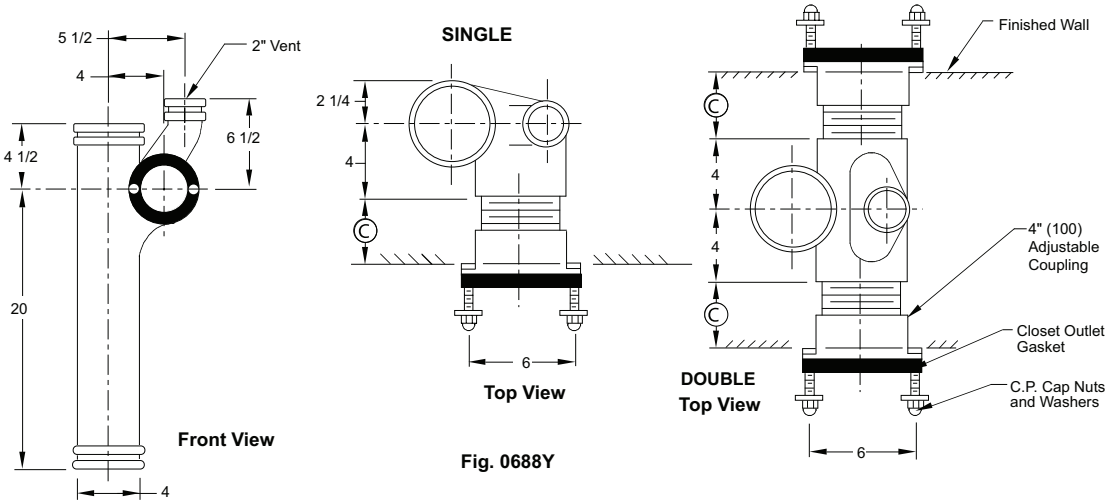


Fig. 0688Y

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0688LY	Single–Left Hand Long Barrel	**1,362.00**	38
0688RY	Single–Right Hand Long Barrel	**1,362.00**	38
0688DY	Double-Long Barrel	**2,428.00**	54

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.

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.

*Service Weight sized for No Hub.

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

†REGULARLY FURNISHED

VARIATIONS FOR ADJUSTABLE, COMPACT, RESIDENTIAL AND FACE PLATE TYPE FIXTURE SUPPORTS

Adjustable	Compact	Residential	Face Plate	SUFFIX NO	TYPE OF VARIATION DESCRIPTION	APPROX. WT LBS.	ADD FOR SINGLE	ADD FOR DOUBLE
•	•			**-95**	Test Cap Assembly	1	**N/C**	**N/C**
•	•	•	•	**-M12**	Support for Exposed Flush Valve Supply	1	**75.00**	**150.00**
•	•	•	•	**-M13**	Finishing Frame	1	**75.00**	**150.00**
•	•	•	•	**-M17**	Water Closet Setting Gauge	5	**431.00**	–
•	•			**-M40**	Extra Foot Support for Wide Pipe Chase	10	**312.00**	**624.00**
•	•		•	**-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	**664.00**	**1,328.00**
•	•			**-M74**	Closet Outlet Connection (to 12") for use with Stainless Steel Fixtures	6	**664.00**	**1,328.00**
•	•	•		**-N**	Each Tapped Auxiliary Inlet, 1 1/4", 1 1/2", or 2"	–	**315.00**	–
•	•			**-G**	Galvanized Support	–	**POA**	**POA**
•	•	•	•	**U**	Vandal Proof Trim	–	**200.00**	**400.00**
•	•			**99**	Coupling Wrench	–	**94.00**	
•	•				Cast Iron or PVC Outlet Nipple & Steel Studs, 13–34", PER INCH	–	**86.00**	**172.00**
		•			Residential Coupling over 3", PER INCH	–	**51.00**	**102.00**
•	•	•	•		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	DEDUCT FOR DOUBLE
•	•			**-NC**	Less Nipple and Coupling	–	**113.00**	**226.00**

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

SMITH® CUSTOMER DRIVEN SINCE 1926

FIGURE NO.	PRICE
0600SP	**934.00**
0620-SP	**991.00**
0636D-M32	**601.00**
0637D-M32	**782.00**
0702	**1,061.00**
0702D	**2,119.00**
0721	**583.00**
0721E	**862.00**
0724	**583.00**
0730	**583.00**
0732	**521.00**
0733	**901.00**
0740	**1,503.00**
0740D	**2,199.00**
0751	**1,258.00**
0752-15-M30-M31	**1,258.00**
0752-15-M30-M32	**1,258.00**
0758	**3,214.00**
0758D	**4,910.00**
0758-M31-42	**3,705.00**
0758-M31-43	**5,411.00**
0771-11	**971.00**
0771-15	**971.00**
0773	**971.00**
0781	**971.00**
0784	**780.00**
0791	**553.00**
0800D	**1,061.00**
0800-2	**471.00**
0802-M32	**896.00**
0802D	**1,162.00**
0810-M32	**896.00**
0810D-M32	**982.00**
0811-M32	**1,057.00**
0813-M32	**POA**
0814-M32	**1,057.00**

FIGURE NO.	PRICE
0814D	**1,605.00**
0816	**898.00**
0820-M32	**780.00**
0823	(Contact factory w/Fixture Type)
0824D	(Contact factory w/Fixture Type)
0825D	**516.00**
0826D	**258.00**
0827-BH	**145.00**
0827-CH	**145.00**
0827-SS	**145.00**
0827D	**258.00**
0830	**543.00**
0830D	**782.00**
0834	(Contact factory w/Fixture Type)
0848	(Contact factory w/Fixture Type)
0848-1	(Contact factory w/Fixture Type)
0848-3	(Contact factory w/Fixture Type)
0848-4KW	(Contact factory w/Fixture Type)
0848D	(Contact factory w/Fixture Type)
0849	(Contact factory w/Fixture Type)
0849-2	(Contact factory w/Fixture Type)
0849-3	(Contact factory w/Fixture Type)
0849-4	(Contact factory w/Fixture Type)
0850-1-M32	**2,479.00**
0850-11	**2,479.00**
0850-15	**2,479.00**
0851-11	**1,562.00**
0851-15	**1,562.00**
0851-3-M32	**1,562.00**
0860	(Contact factory w/Fixture Type)
0860-3	(Contact factory w/Fixture Type)
0860-4	(Contact factory w/Fixture Type)
0862-A26-M32	**1,906.00**
0862-HT	**1,906.00**
0864	(Contact factory w/Fixture Type)
0864-3	(Contact factory w/Fixture Type)

FIGURE NO.	PRICE
0866	(Contact factory w/Fixture Type)
0866-1-M31	(Contact factory w/Fixture Type)
0866-2-M31	(Contact factory w/Fixture Type)
0866-3-M31	(Contact factory w/Fixture Type)
0867	(Contact factory w/Fixture Type)
0868	(Contact factory w/Fixture Type)
0868-1-M32	(Contact factory w/Fixture Type)
0868D-Z	(Contact factory w/Fixture Type)
0869	(Contact factory w/Fixture Type)
0870-M31-CMP	**1,258.00**
0870-41-M31	**1,258.00**
0870-42-M31	**1,258.00**
0870-43-M31	**1,258.00**
0870-43-M31CMP	**1,258.00**
0870-CB42	**1,258.00**
0870-CB43	**1,258.00**
0870-D-M31CMP	**1,949.00**
0870-Z	**1,562.00**
0920	**1,044.00**
0921	**1,044.00**
M79LY	**2,088.00**

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)

*All variation suffixes are to be shown in parenthesis.
**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

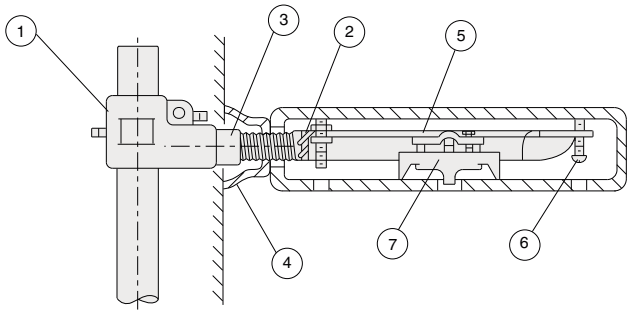
TECHNICAL DATA

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.

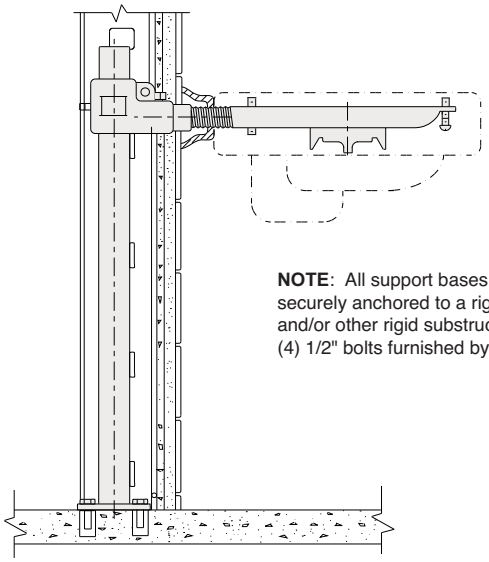
⑤ **Adjustment Slot** - Provides ease of adjusting locking device to suit the roughing-in dimensions of the fixture specified.

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.

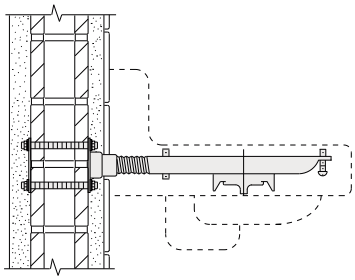
⑧ **Packaging** - Arms are separately packaged and fully assembled, ready for installation.

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.

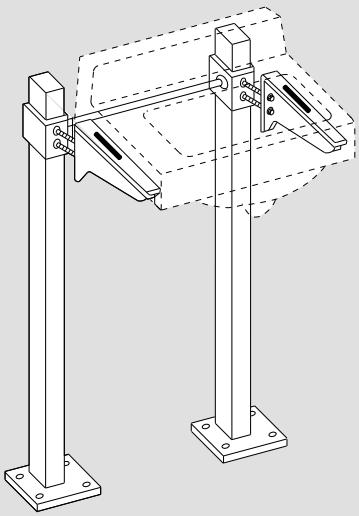
NOTE: SMITH provides Fixture Support Selection Guides which list the proper support for the fixture specified. Also furnished with each shipment of fixture supports are rough-in instructions of the support specified.

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.

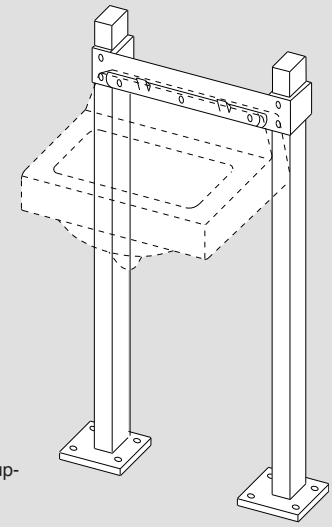
Although the concealed arm type of fixture support is the most popular today because of the various installation and esthetic features, there are two other basic types of fixture supports.

EXPOSED ARM SUPPORT



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

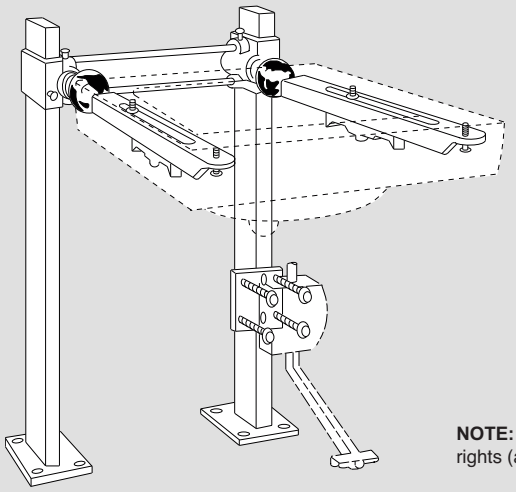
HANGER TYPE SUPPORT



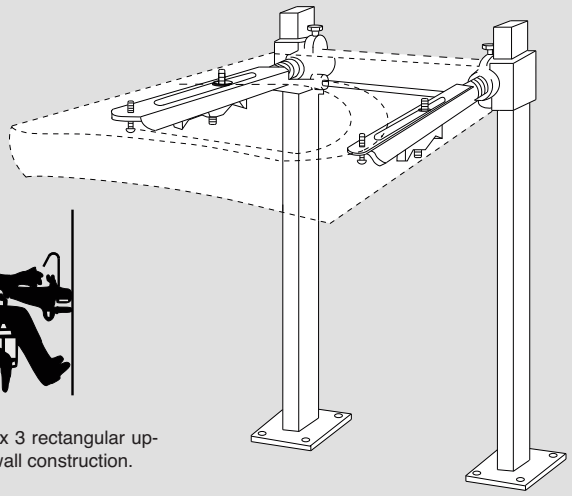
Enameled iron high back lavatory supported on a hanger type fixture support. Specify Fig. 0800 (-M31).

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

SUPPORTS FOR HOSPITAL AND HANDICAPPED FIXTURES

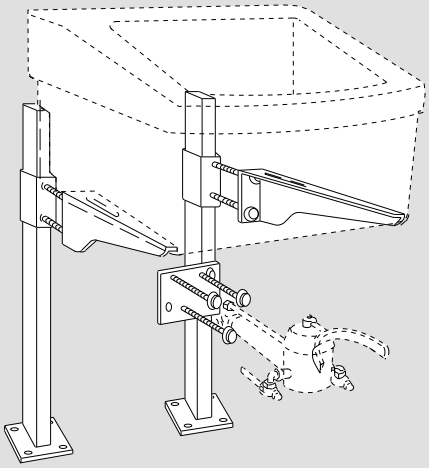


Surgeon's Lavatory - With pedal operated mixing valve for use in patient care areas. Specify Fig. 0700 (-E-KW-M31).

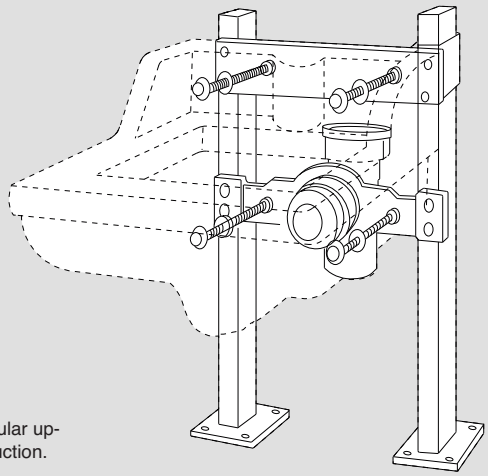


Wheelchair Lavatory -This lavatory has been expressly designed for wheelchair patient's needs. It provides adequate space beneath it for the wheelchair. Specify Fig. 0700 (-27-M31).

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



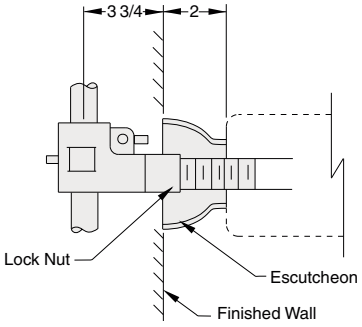
Surgeon's Scrub-up-Sink - For use in scrub rooms, emergency rooms and treatment areas, with knee-operated valve. Specify Fig. 0870 (-KW-M31).



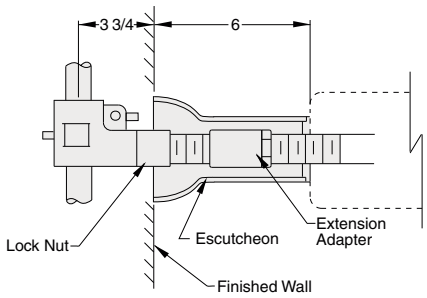
Clinic Service Sink - For use in utility rooms, emergency rooms and clean-up rooms. Specify Fig. 0915 (-M31). This support is supplied with a waste fitting and an adjustable coupling.

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

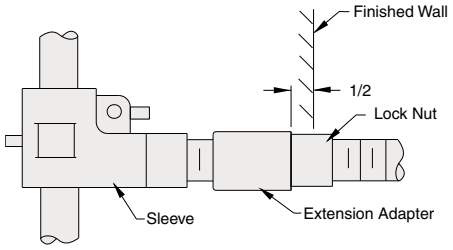
VARIATIONS AND INSTALLATION



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.

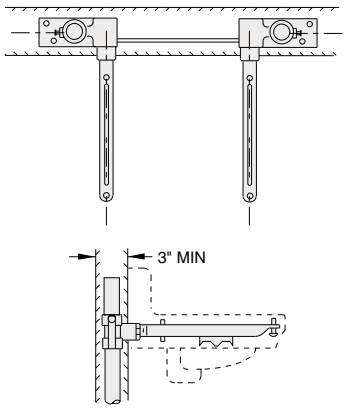


SUFFIX -E6 6" Long Threaded Escutcheon. When lavatories of the flat slab type are to be set away from the wall beyond the normal 2" setting, a 6" long escutcheon is provided with the same threaded arrangement as the regular 2" escutcheon. This escutcheon is chrome plated and is available on all concealed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

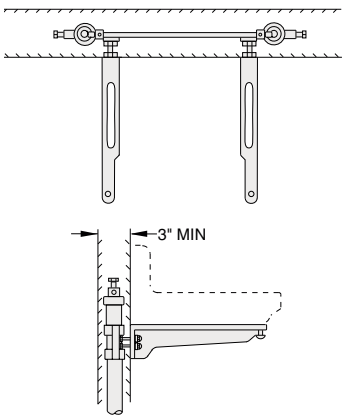


SUFFIX -M24 Extension Adaptor for Concealed Arm Support. When the standard (3 3/4") dimension from the face of the wall to the centerline of support upright, as shown in the illustration, is exceeded, use Suffix -M24 extension adaptor. The face of the extension adaptor should be set 1/2" in back of finished 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.

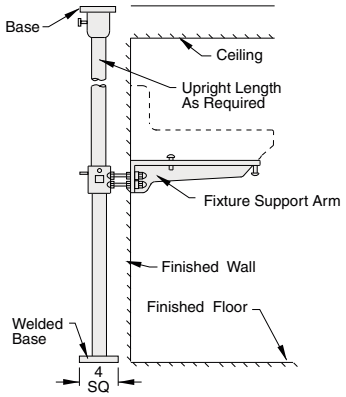
NOTE: Always specify overall wall thickness and center line of support location.



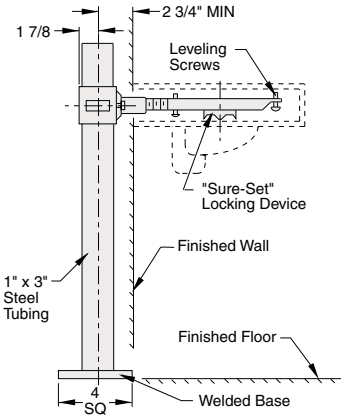
SUFFIX -Z Special Narrow Sleeve and Base for Concealed Arm Support. When a concealed arm lavatory support is to be installed in a narrow wall, a special narrow concealed arm sleeve and base are available for this type of installation. Add Suffix -Z to figure number required.



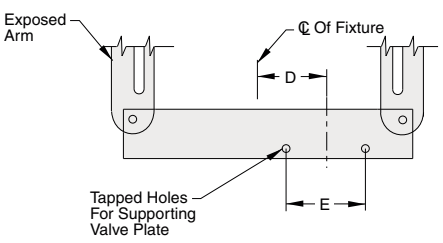
SUFFIX -Z Special Narrow Sleeve and Base for Exposed Arm Support. When an exposed arm lavatory or sink support is to be installed in a narrow wall, a special narrow sleeve and base are available for this type of installation. Add Suffix -Z to figure number required.



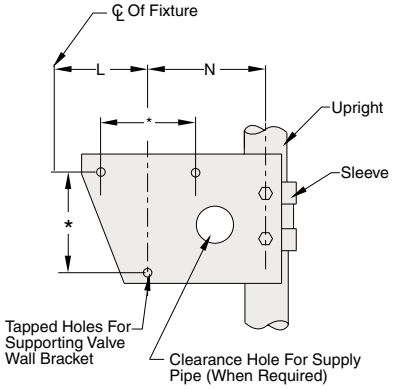
SUFFIX -M11 Floor-to-Ceiling Uprights When required, floor mounted fixture supports can be supplied with floor-to-ceiling uprights for securing to the floor and to the ceiling above. Add Suffix -M11 to figure number required.



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.

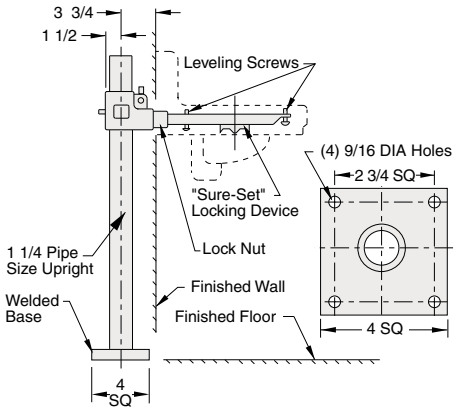


SUFFIX -KF Supporting Bar for Fixture Mounted Knee-Action Valve. Can be furnished on any exposed arm, wall or floor mounted sink support. Add Suffix -KF to figure number required.



*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

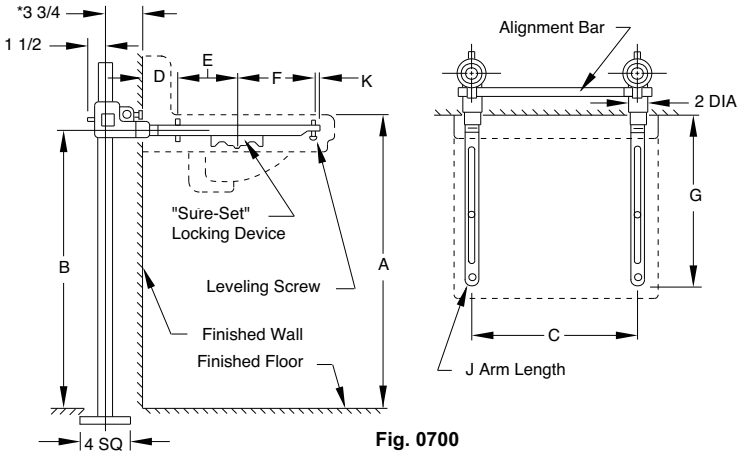


Fig. 0700

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0700	Single Support	**595.00**	29
0700D	Back to Back Support	**987.00**	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. 0700-27, 0700-27-M31, 0700D-27-M31 LAVATORY SUPPORTS WITH CONCEALED ARMS FLOOR MOUNTED TYPE FOR FLAT SLAB LAVATORIES

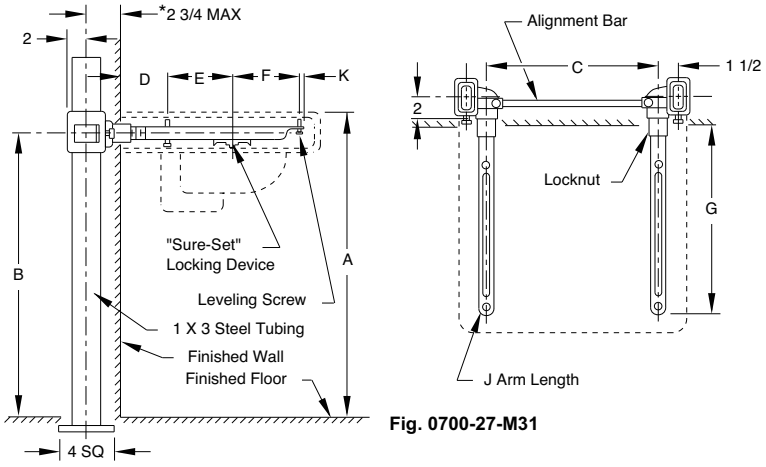


Fig. 0700-27-M31

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0700-27	Single Support for Wheelchair Lavatories	**652.00**	34
0700-27-M31	Single Support for Wheelchair Lavatories with Heavy Duty Rectangular Uprights	**652.00**	34
0700D-27-M31	Double Support for Wheelchair Lavatories with Heavy Duty Rectangular Uprights	**1,101.00**	40

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

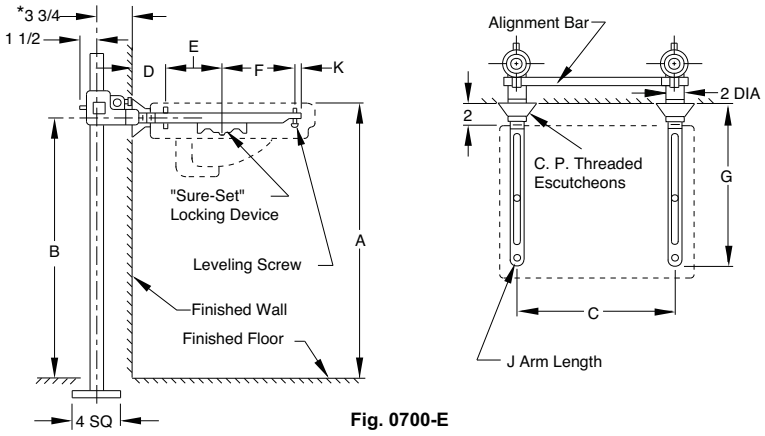


Fig. 0700-E

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0700E	Single Support w/2" CP Escutcheons	**739.00**	30
0700DE	Back to Back Support w/2" CP Escutcheons	**1,275.00**	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. 0710, 0710D LABOR SAVER® LAVATORY SUPPORTS FLOOR MOUNTED TYPE FOR HIGH BACK LAVATORIES

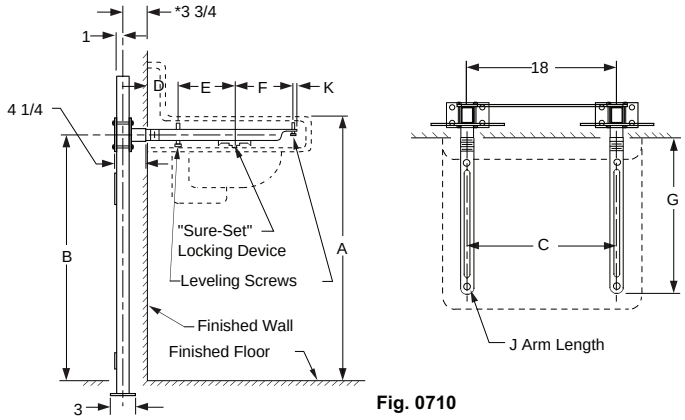


Fig. 0710

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0710	Single Support	**1,560.00**	29
0710D	Back to Back Support	**2,309.00**	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.

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

†REGULARLY FURNISHED

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

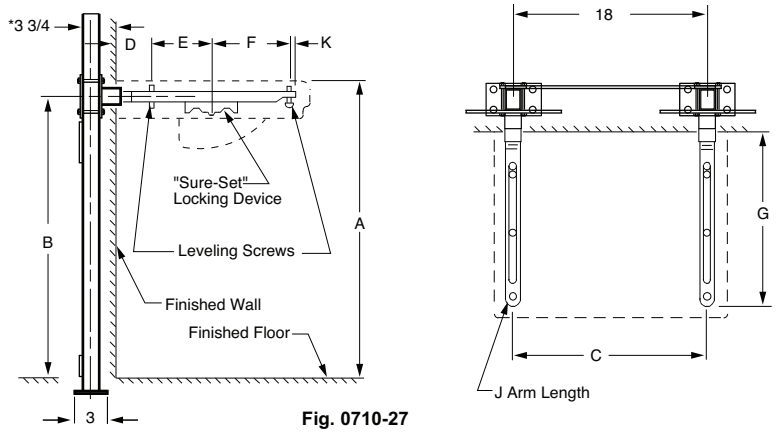


Fig. 0710-27

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0710-27	Single Support for Wheelchair Lavatories	**1,618.00**	34
0710D-27	Double Support for Wheelchair Lavatories	**2,422.00**	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

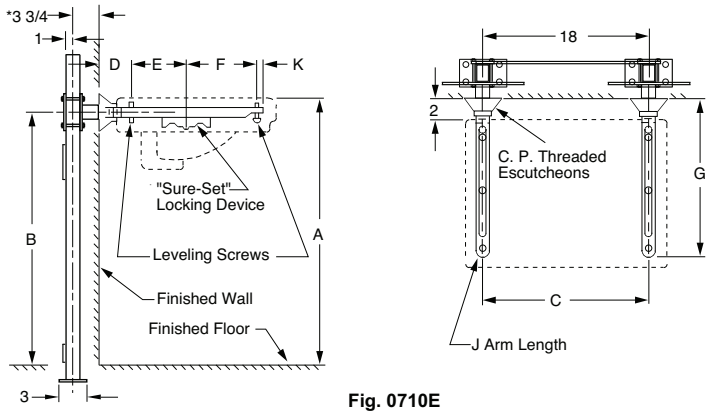


Fig. 0710E

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0710E	Single Support w/2" CP Escutcheons	**1,705.00**	30
0710DE	Back to Back Support w/2" CP Escutcheons	**2597.00**	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

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

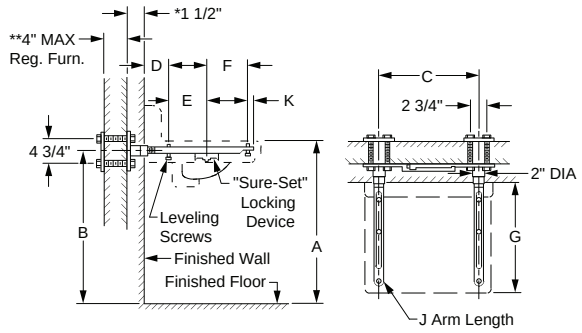


Fig. 0720

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

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

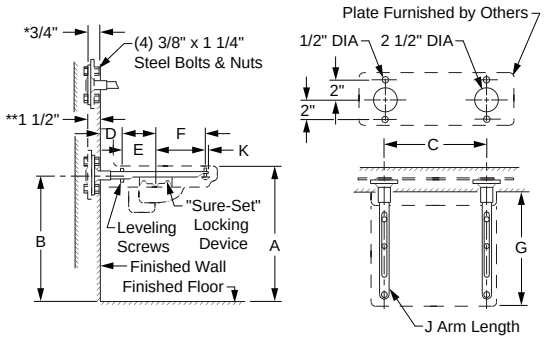


Fig. 0723

* 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.

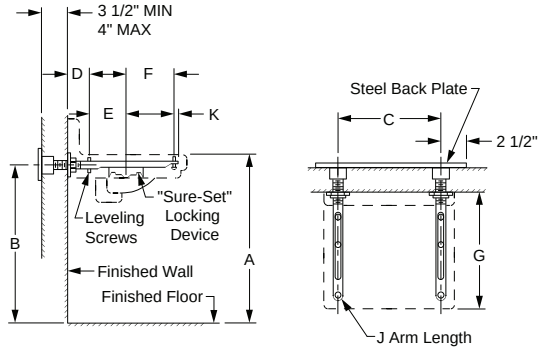


Fig. 0728

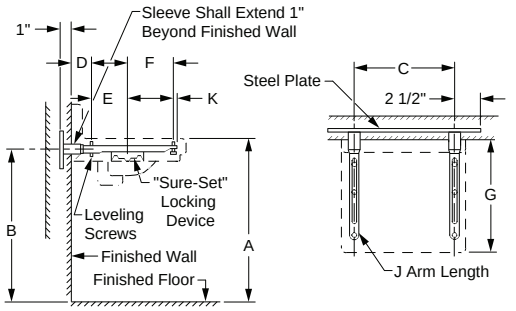


Fig. 0722

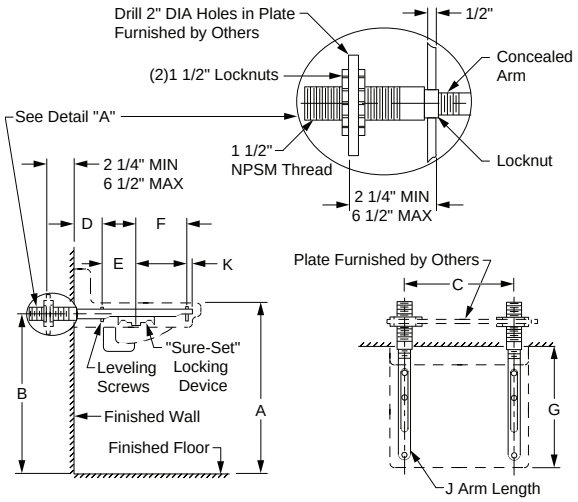


Fig. 0727

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0720	Set on Masonry or Stud Wall	**525.00**	22
0722	Set on Steel Plate Secured in Wall	**386.00**	22
0723	To Attach to Backing Plate Secured in Wall	**398.00**	22
0727	Using Adjustable Extension	**510.00**	23
0728	Set on Steel Plate Secured to Glazed Block Wall	**386.00**	24

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

†REGULARLY FURNISHED

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

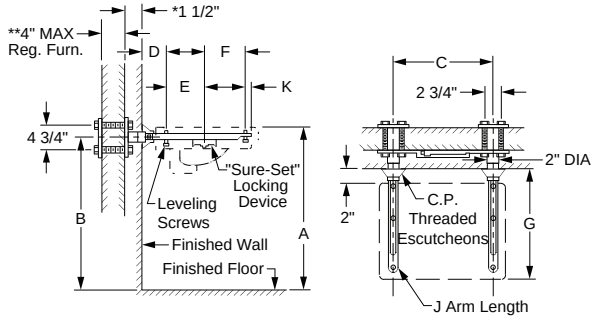


Fig. 0720E

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

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

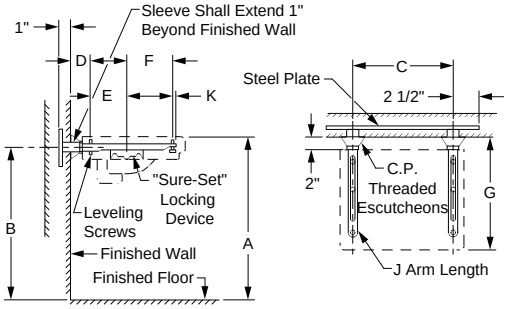


Fig. 0722E

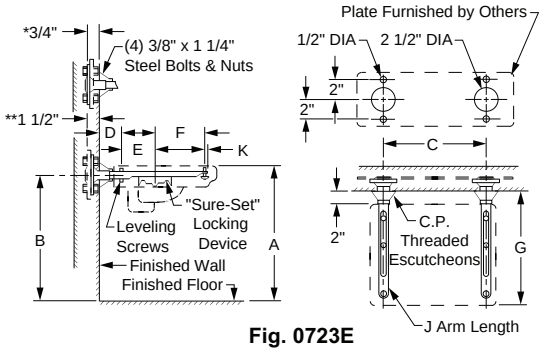


Fig. 0723E

* 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.

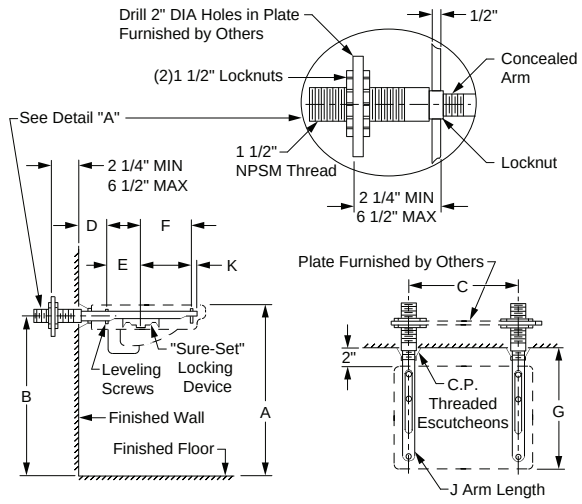


Fig. 0727E

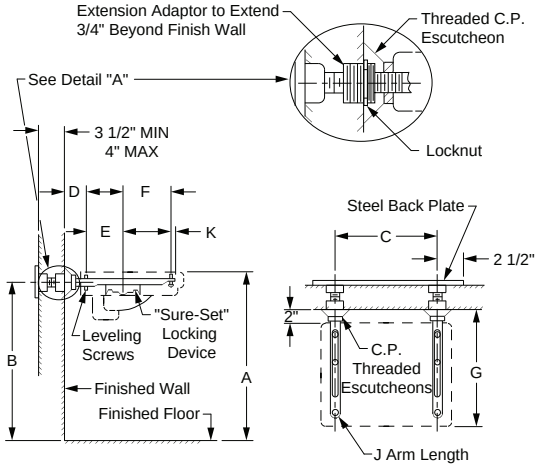


Fig. 0728E

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0720E	Set on Masonry or Stud Wall	**670.00**	24
0722E	Set on Steel Plate Secured in Wall	**530.00**	24
0723E	To Attach to Backing Plate Sec'd in Wall	**542.00**	24
0727E	Using Adjustable Extension	**654.00**	25
0728E	Set on Steel Plate Secured to Glazed Block Wall	**530.00**	26

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

†REGULARLY FURNISHED

FIG. 0750, 0750D LAVATORY SUPPORTS WITH ARC EXPOSED ARMS FLOOR MOUNTED TYPE FOR FLAT SLAB AND HIGH BACK LAVATORIES

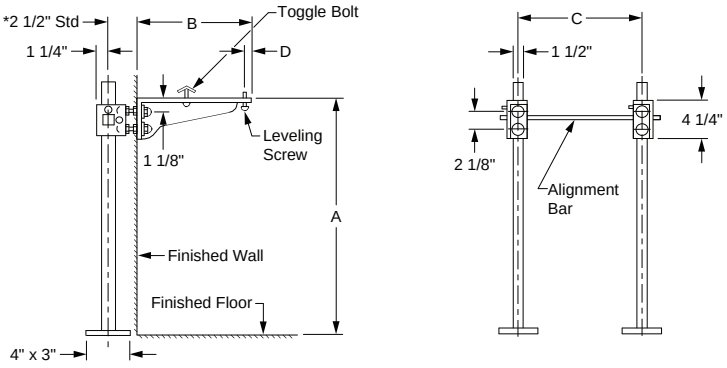


Fig. 0750

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.
0750	Single Support	**1,258.00**	32
0750D	Back to Back Support	**1,949.00**	41

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

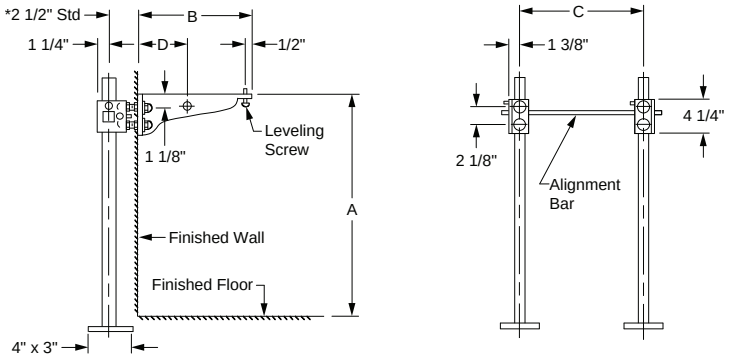


Fig. 0752

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	**1,258.00**	26
0752D	Back to Back Support for Wheelchair Lavatories	**1,949.00**	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

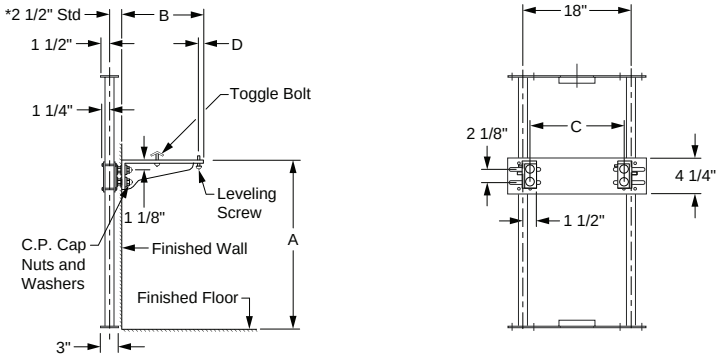


Fig. 0760

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	**1,593.00**	32
0760D	Back to Back Support	**2,505.00**	41

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

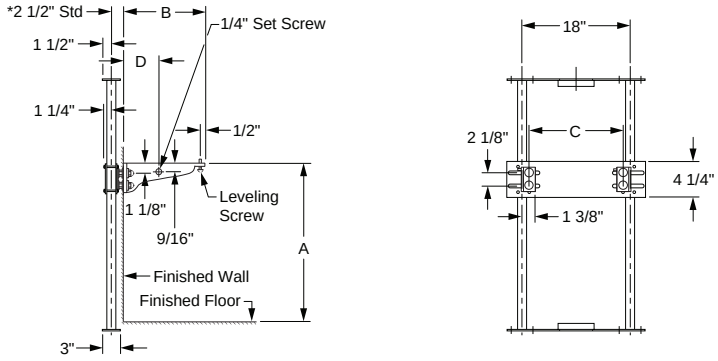


Fig. 0762

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

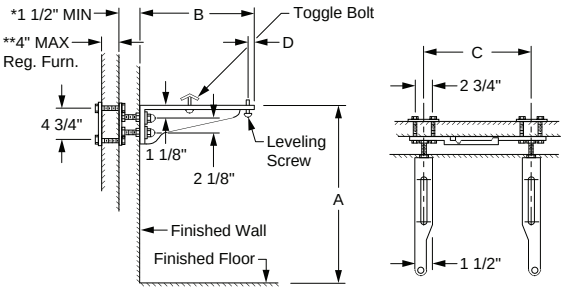
For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0762	Single Support for Wheelchair Lavatories	**1,593.00**	26
0762D	Double Support for Wheelchair Lavatories	**2,505.00**	33

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

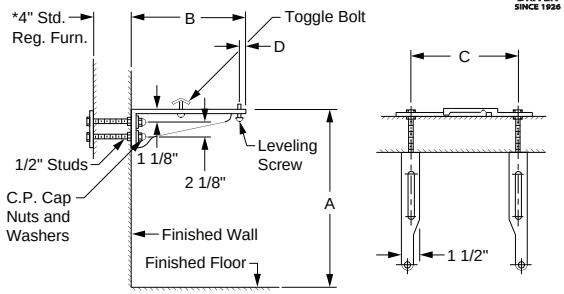
†REGULARLY FURNISHED

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

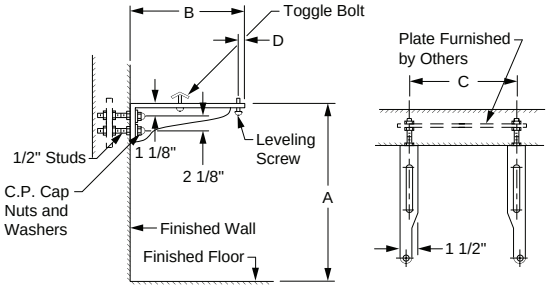
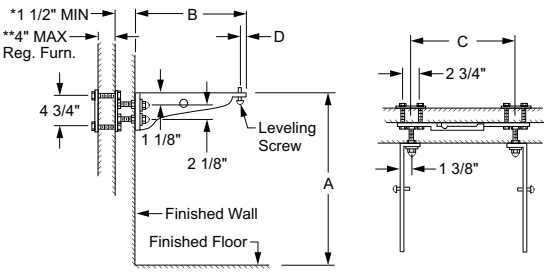


Fig. 0790

For lettered dimensions contact factory.

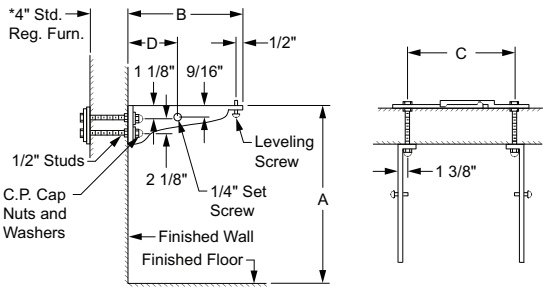
FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0770	Set on Masonry or Stud Wall	**1,196.00**	24
0780	Set on Glazed Block Wall	**676.00**	23
0790	To Attach to Backing Plate Secured in Wall	**553.00**	23

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

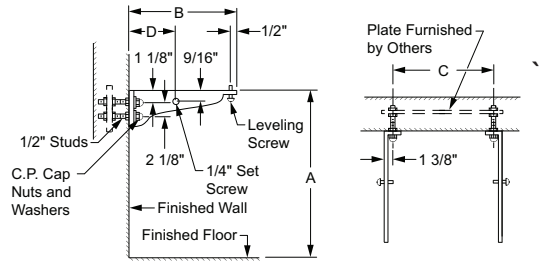


Fig. 0792

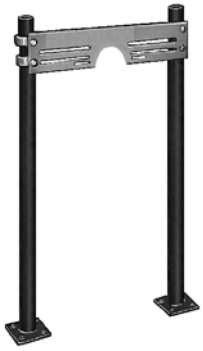
For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0772	Set on Masonry or Stud Wall	**1,055.00**	18
0782	Set on Glazed Block Wall	**676.00**	18
0792	To Attach to Backing Plate Secured in Wall	**553.00**	13

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

†REGULARLY FURNISHED

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



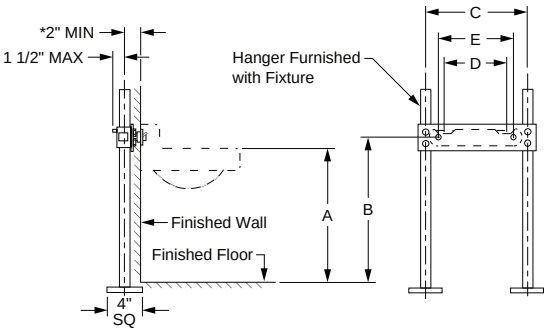


Fig. 0800

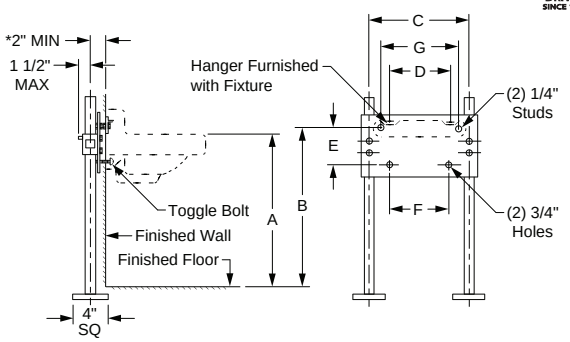


Fig. 0805

*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	**471.00**	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

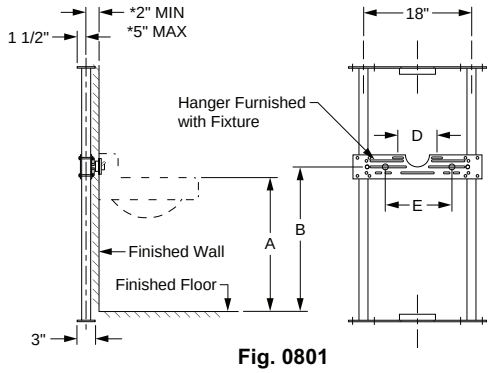


Fig. 0801

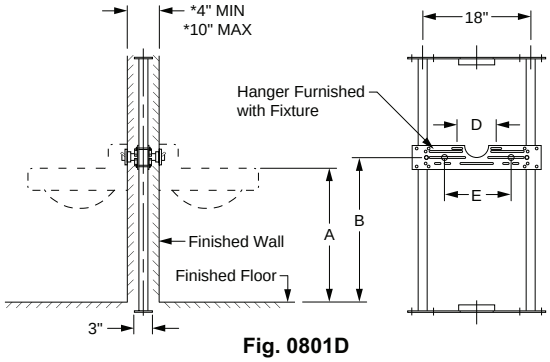


Fig. 0801D

*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	**855.00**	26
0801D	Double–With Bar Hanger	**1,127.00**	35

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

†REGULARLY FURNISHED

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

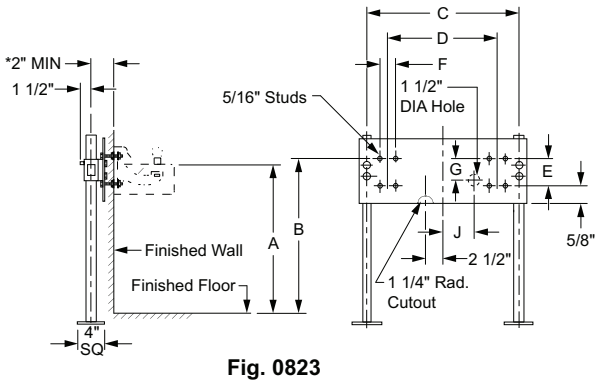


Fig. 0823

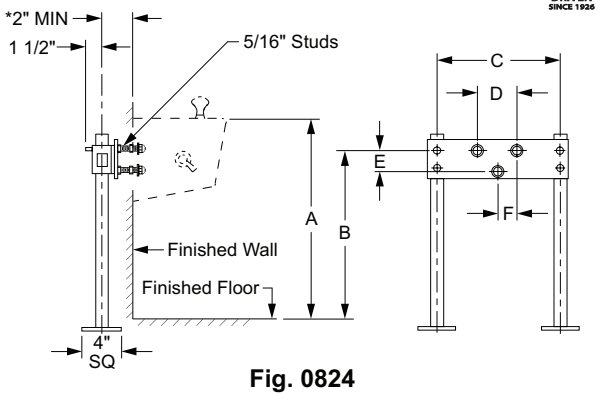


Fig. 0824

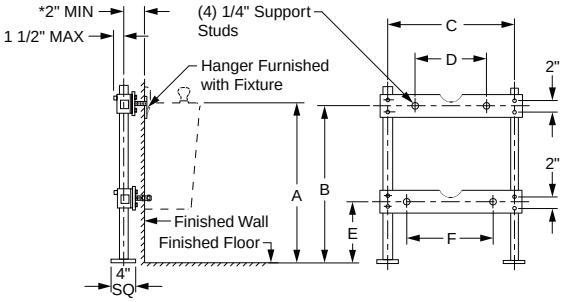


Fig. 0830

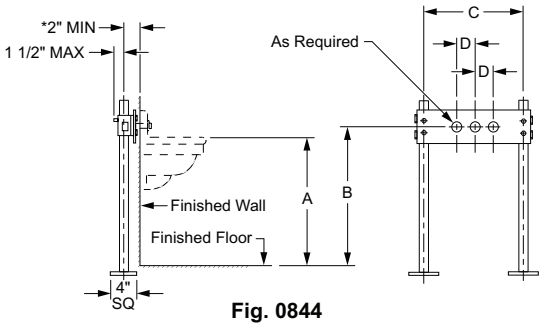


Fig. 0844

*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**	
0824	For Small Drinking Fountains with Integral Hangers	**POA**	20
0830	For Electric Water Coolers	**543.00**	32
0844	For High Back Institutional Type Lavatories	**471.00**	32

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

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

†REGULARLY FURNISHED

FIG. 0825, 0826, 0827, 0828 LAVATORY & DRINKING FOUNTAIN SUPPORTS WALL MOUNTED TYPE WITH SUPPORTING PLATE AND STUDS

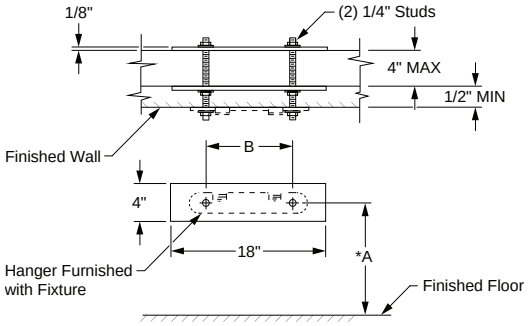


Fig. 0825

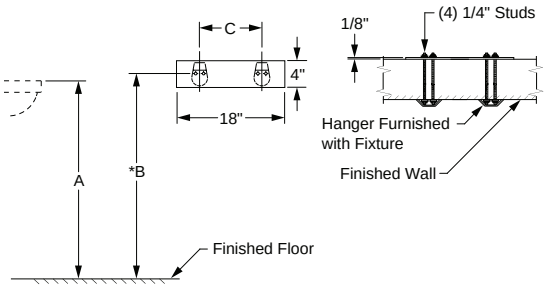


Fig. 0828

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

For lettered dimensions contact factory.

FIGURE NO.	DESCRIPTION	PRICE	APPROX. WT. LBS.
0825	For High Back Lavatories with Double Reinforced Plates	**258.00**	13
0826	For High Back Lavatories with Single Reinforced Plates	**145.00**	13
0827	For Washdown Urinals with Double Reinforced Plates	**258.00**	15
0828	For Washdown Urinals with Single Reinforced Plates	**145.00**	13

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

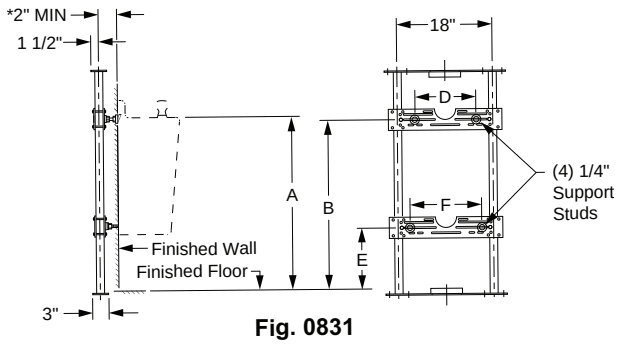


Fig. 0831

*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	**949.00**	32

†REGULARLY FURNISHED

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

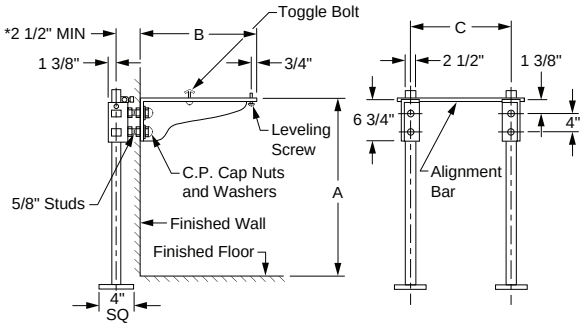


Fig. 0870

*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	**1,258.00**	42
0870D	For Kitchen & Service Sinks-Back to Back Support	**1,949.00**	70

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

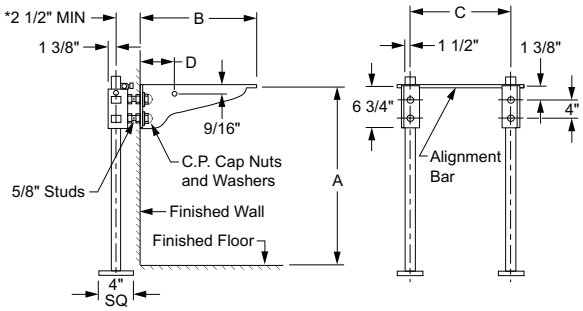


Fig. 0871

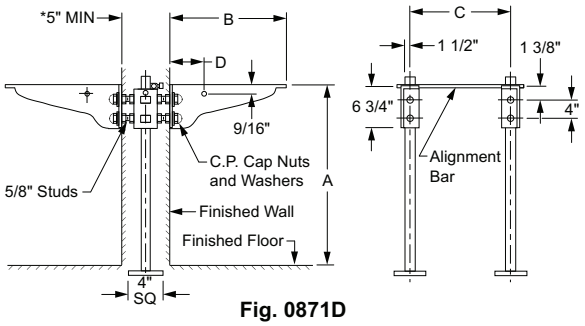


Fig. 0871D

*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	**1,258.00**	23
0871D	For Enamel Iron Service Sinks-Back to Back Support	**1,949.00**	30
0876	For Perineal Bath	**2,045.00**	62

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

†REGULARLY FURNISHED

SMITH® CUSTOMER DRIVEN SINCE 1926

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

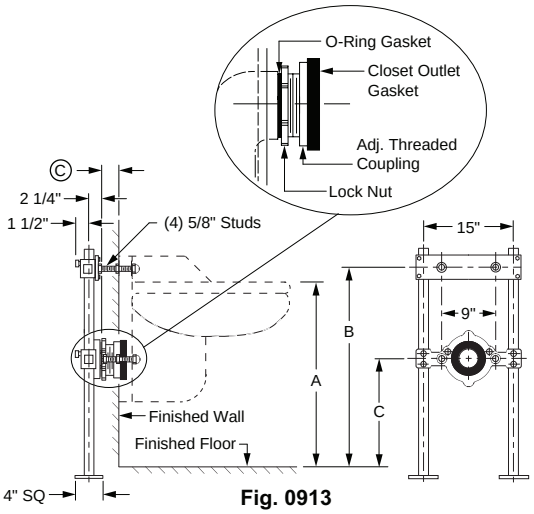


Fig. 0913
Side View

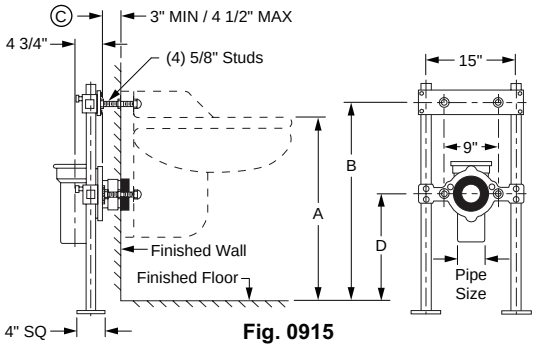


Fig. 0915
Side View

© 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	**1,543.00**	49
0914	With Supporting Studs & Adjustable Coupling for 4" Back Outlet	**1,543.00**	48
0915	4" Caulk Fitting with 4" Vent	**1,725.00**	60
0915-1	4" Caulk Fitting with 2" Vent	**1,725.00**	64
0915Y2	3" No-Hub Fitting with 2" Vent	**1,481.00**	55
0915Y3	3" No-Hub Fitting with 3" Vent	**1,481.00**	57
0915Y4	4" No-Hub Fitting with 2" Vent	**1,725.00**	58
0915Y5	4" No-Hub Fitting with 4" Vent	**1,725.00**	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

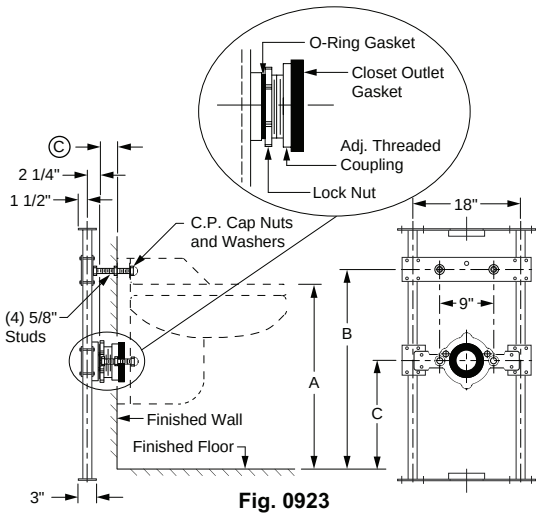


Fig. 0923
Side View

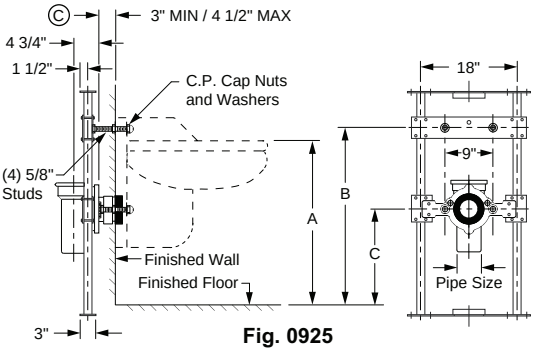


Fig. 0925
Side View

© 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	**1,354.00**	49
0924	With Supporting Studs & Adjustable Coupling for 4" Back Outlet	**1,354.00**	48
0925	4" Caulk Fitting with 4" Vent	**2,244.00**	60
0925-1	4" Caulk Fitting with 2" Vent	**2,244.00**	64
0925-Y2	3" No-Hub Fitting with 2" Vent	**1,958.00**	55
0925-Y3	3" No-Hub Fitting with 3" Vent	**1,958.00**	57
0925-Y4	4" No-Hub Fitting with 2" Vent	**2,244.00**	58
0925-Y5	4" No-Hub Fitting with 4" Vent	**2,244.00**	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

VARIATIONS FOR LAVATORY AND SINK SUPPORTS

SUFFIX NO	TYPE OF VARIATION DESCRIPTION	Approx. Wt Lbs.	ADD FOR SINGLE	ADD FOR DOUBLE
-27	Extended Arms for Handicapped Lavatory	–	57.00	114.00
-E	2" Chrome Plated Bronze Escutcheons (For concealed arm supports only)	1	144.00	288.00
-E4	4" Chrome Plated Bronze Escutcheons (For concealed arm supports only)	1	259.00	518.00
-E6	6" Chrome Plated Escutcheons (For concealed arm supports only)	2	259.00	518.00
-KF	Support Bar for Fixture Mounted Knee Action Valve	1	129.00	258.00
-KW	Support Bar for Wall Mounted Knee Action Valve	1	129.00	258.00
-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	–	113.00	226.00
-Z	For Narrow Wall Installations	–	N/C	N/C

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

†REGULARLY FURNISHED

ROOF DRAINS

Fig. 1001

Fig. 1005

Fig. 1010

Fig. DX1010

Fig. 1011

Fig. 1011-83

Fig. 1015

Fig. 1015-85

Fig. 1017

Fig. 1018

Fig. 1019

Fig. 1020

Fig. 1070

Fig. 1080

Fig. 1083

Fig. 1085

Fig. DX1240

Fig. DX1250

Fig. 1310

Fig. 1317

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. 1015
Type of Outlet (Caulk) C
Pipe Size (Inches) 04
Extension (4") -E04
"L" Shaped Underdeck Clamp -CL
Sump Receiver -R
Vandal Proof -U

*All variation suffixes are to be shown in parenthesis.

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

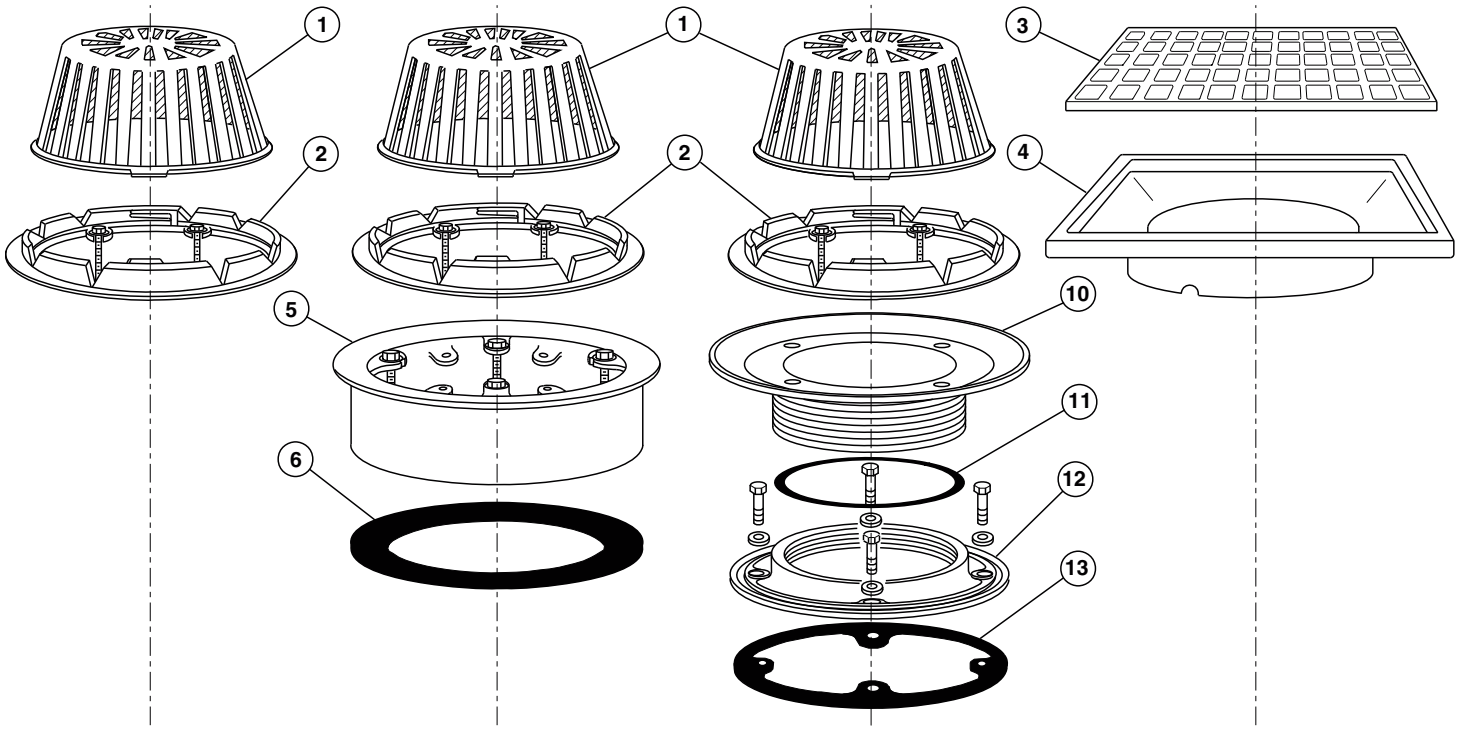
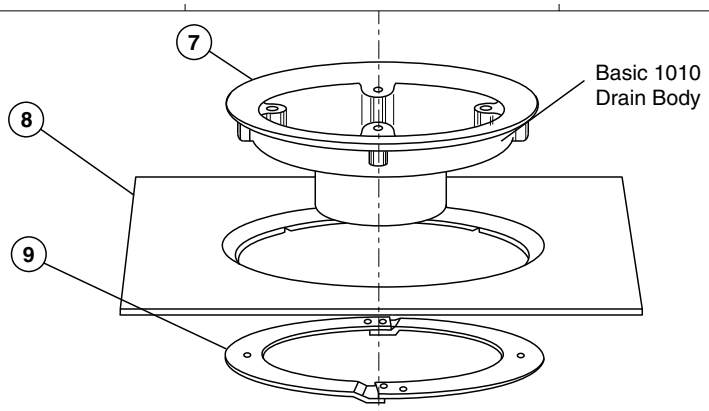


FIG. 1010 FIG. 1010-E FIG. 1015 FIG. 1410



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

ROOF DRAIN SIZING AND PLACEMENT

For sizing and placement, refer to the National Plumbing Code of Canada 2010 unless the local code authority takes precedence. Refer to:

Division B, Section 2.4 Drainage Systems

- Section 2.4.10.4, Hydraulic Loads from Roofs or Paved Areas.
- Section 2.4.10.9, Hydraulic Loads on Storm or Combined Build Drains or Sewers – Table 2.4.10.9, Maximum Permitted Hydraulic Load Drained to a Storm Building Drain or Sewer or a Combined Building Sewer.
- Section 2.4.10.10, Hydraulic Loads to Roof Gutters – Table 2.4.10.10, Maximum Permitted Hydraulic Load Drained to a Roof Gutter.
- Section 2.4.10.11, Hydraulic Loads on Leaders –Table 2.4.10.11, Maximum Permitted Hydraulic Load Drained to a Leader.

Appendix A, Explanatory Material

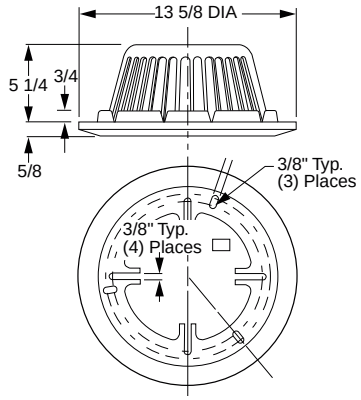
- Section A-2.4.9.10, Determination of Hydraulic Loads and Drainage pipe Sizes – Figure A-2.4.10.-B and Figure A-2.4.10.-C – Table A-2.4.10, Storm Drainage Pipe Sizes.

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 for spacing 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.

FIG. 1001 UNIVERSAL REPLACEMENT DOME AND COLLAR ASSEMBLY



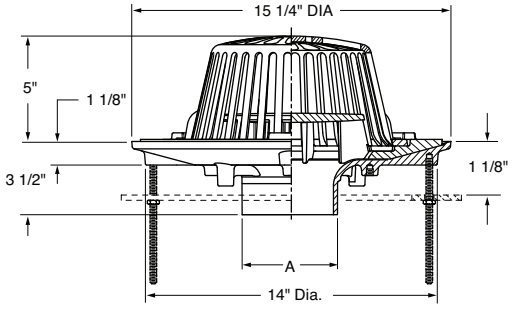
OPTIONS: **ADD**

-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



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

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Male Threaded Outlet	T02, *T0250, T03, T04	3 1/2"	**POA**
No-Hub	Y02, Y03, Y04	3 1/2"	**POA**

*2 1/2" pipe size only available with male threaded outlet

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

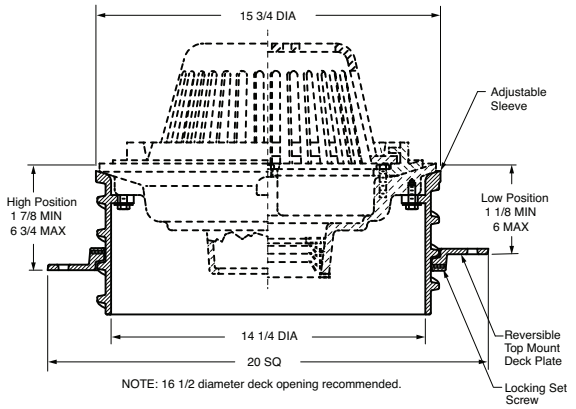
REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp, Air Baffle and Polyethylene Dome.

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**

NOTE: CONTACT SALES ENGINEERING FOR PROJECT EVALUATION PRIOR TO RECEIVING PRICING

FIG. 1010DEK TOP MOUNT DRAIN ELEVATOR



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

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.

OPTIONS:

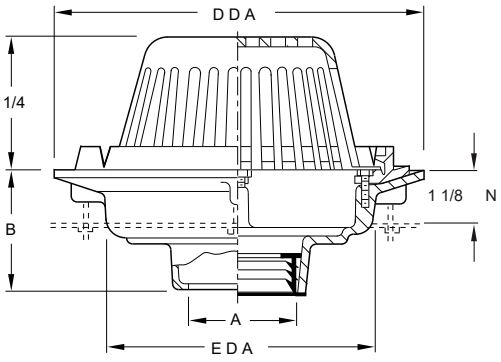
-G	Galvanized CI

For pricing, contact factory.

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	**480.00**	**582.00**	28
06"	15 1/4"	11"	102.5	**680.00**	**782.00**	28
08"	16"	12 1/2"	102.5	**680.00**	**782.00**	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	**2,663.00**	**3,201.00**	34
10"	16"	12 1/2"	122.5	**2,663.00**	**3,201.00**	36
10"	20"	16"	228	**2,933.00**	**3,471.00**	36
12"	20"	16"	228	**3,147.00**	**3,685.00**	40

Add **$216.00 to Galvanize the Cast Iron Dome.

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

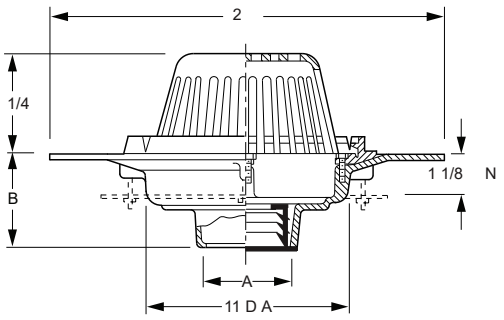
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
	C08	*6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
	T08	*5"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**
	Y08	*6"	**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	**254.00**
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	**183.00**
-C	Cast Iron Underdeck Clamp (20" Flange Bodies)	**441.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	CI Dome (when not reg. furn.)	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-DID	Drain Installation Device 2-6"	**328.00**
-E	Extension up to 4"	**312.00**
	per inch over 4"	**158.00**
-G	Galvanized CI	**320.00**
-GRT	CI Grate in lieu of Dome (16" Flange Bodies)	**619.00**
-PDSSM	SS Mesh on Poly Dome	**707.00**
-R	Sump Receiver (15 & 16" Flange Bodies)	**248.00**
-R	Sump Receiver (20" Flange Bodies)	**494.00**
-RBD	Rough Brz Dome	**1,038.00**
-RDP	Roof Deck Plate (15 & 16" Flange)	**240.00**
-RDP	Roof Deck Plate (20" Flange)	**707.00**
-SSM	SS Mesh on Metal Dome (Specify dome)	**706.00**
-U	Vandal Proof Dome	**128.00**

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	**1,664.00**	50
06"	20"	102.5	**1,831.00**	50

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

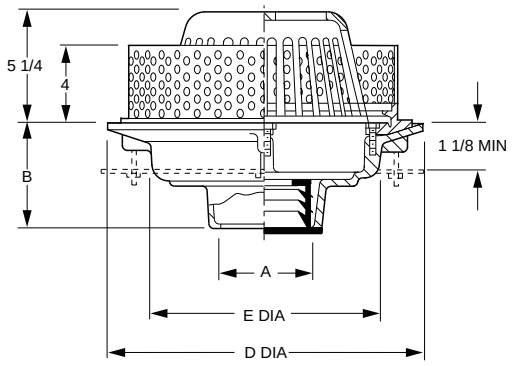
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**183.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-G	Galvanized CI	**320.00**
-PDSSM	SS Mesh on Poly Dome	**707.00**
-RBD	Rough Bronze Dome	**1,038.00**
-SH	Securing Holes	**111.00**
-SSM	SS Mesh on Metal Dome	**704.00**
-U	Vandal Proof Dome	**128.00**

†REGULARLY FURNISHED

FIG. 1011 IRMA ROOF APPLICATIONS



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	**998.00**	**1,100.00**	28
06"	15 1/4"	11"	102.5	**1,198.00**	**1,299.00**	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	**3,182.00**	**3,719.00**	36
10"	20"	16"	228	**3,451.00**	**3,998.00**	41

Add **$216.00 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.

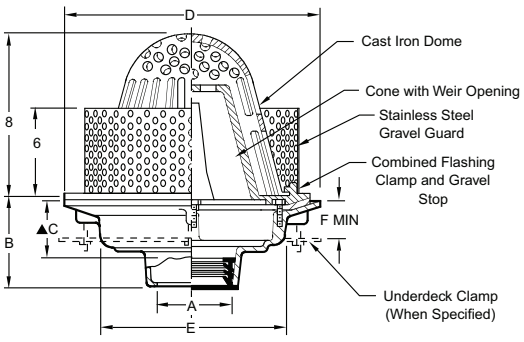
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
	C08, C10	7 3/4"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
	T08	7 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**
	Y08	7 3/4"	**N/C**

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	**183.00**
-C	Cast Iron Underdeck Clamp (20" Flange Bodies)	**441.00**
-CID	CI Dome (when not reg. furn.)	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevation Extension (Deck Elevator Kit)	**1,129.00**
-G	Galvanized CI	**320.00**
-GG	Perf SS Gravel Stop over 4", per inch	**69.00**
-PDSSM	SS Mesh on Poly Dome	**706.00**
-R	Sump Receiver	**248.00**
-R	Sump Receiver (20" Flange Bodies)	**494.00**
-RBD	Rough Bronze Dome	**1,038.00**
-RDP	Roof Deck Plate (15 & 16" Flange Bodies)	**240.00**
-RDP	Roof Deck Plate (20" Flange Bodies)	**707.00**
-SSM	SS Mesh on Metal Dome	**706.00**
-U	Vandal Proof Dome	**128.00**

▲This dimension to internal stop of Speedi-Set Gasket.

FIG. 1011-83 RAINTROL® 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	**2,841.00**	66
05, 06"	15 1/4"	122	**3,045.00**	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.)

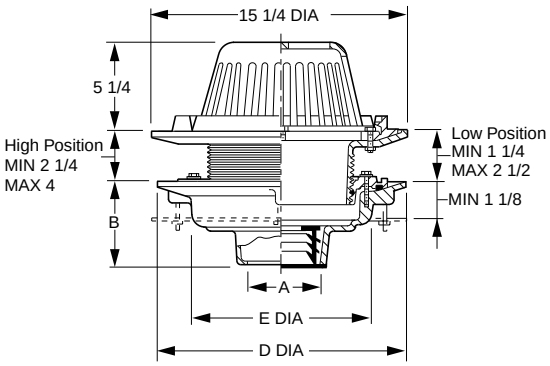
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CIDG	Galvanized Cast Iron Dome	**522.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-E	Extension up to 4"	**311.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**183.00**
-RDP	Roof Deck Plate	**241.00**
-U	Vandal Proof Dome	**128.00**
-WR	Multiple Weir Openings**	**N/C**

**Specify Number of Weir Openings

†REGULARLY FURNISHED

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	**1,657.00**	54
06"	15 1/4"	11"	102.5	**1,860.00**	54
08"	16"	12 1/2"	102.5	**1,860.00**	58

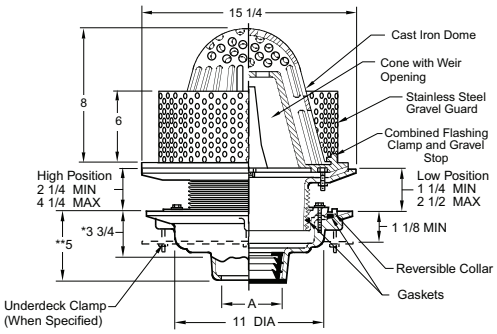
REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Extension Sleeve, Reversible Collar, Combined Flashing Clamp and Gravel Stop, with Polyethylene Dome.

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, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set SW	L02, L03, L04	5"	**48.00**
Speedi-Set XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**
	Y08	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-G	Galvanized CI	**320.00**
-PDSSM	SS Mesh on Poly Dome	**706.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**1,038.00**
-RDP	Roof Deck Plate	**240.00**
-SSM	SS Mesh on Metal Dome	**707.00**
-U	Vandal Proof Dome	**128.00**

FIG. 1015-83 RAINTROL® ROOF DRAINS



A OUTLET SIZE	D FLANGE DIA.	FREE AREA SQ IN	†DUCO CI Poly Dome	APPROX. WEIGHT LBS
02, 03, 04"	15 1/4"	102.5	**3,920.00**	81
05, 06"	15 1/4"	102.5	**4,123.00**	81
08"	15 1/4"	102.5	**4,123.00**	81

REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop, with Adjustable "Flow Rate Control" Assembly and Cas Iron Dome.

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

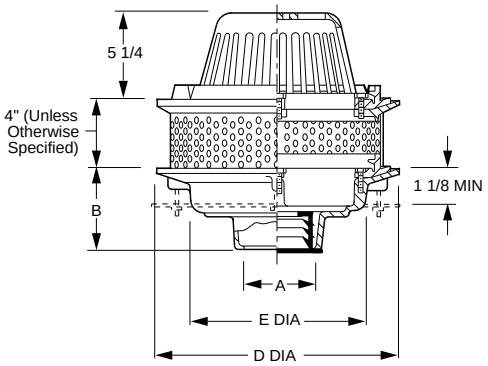
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	**102.00**
	C03, C04	8 3/4"	**102.00**
Threaded Outlet	T02	8 5/8"	**102.00**
	T03, T04	8 3/4"	**102.00**
No-Hub	Y02	8 5/8"	**N/C**
	Y03, Y04	8 3/4"	**N/C**

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CL	Angular Underdeck Clamp	**446.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**759.00**
-U	Vandal Proof Dome	**128.00**
-WR	Multiple Weir Openings**	**N/C**

**Specify Number of Weir Openings

†REGULARLY FURNISHED

FIG. 1017 IRMA ROOF DRAIN APPLICATIONS



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	**1,137.00**	30
06"	15 1/4"	11"	102.5	**1,337.00**	30
08"	16"	12 1/2"	102.5	**1,337.00**	34

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp, Perforated Stainless Steel Extension, Gravel Stop and Polyethylene Dome.

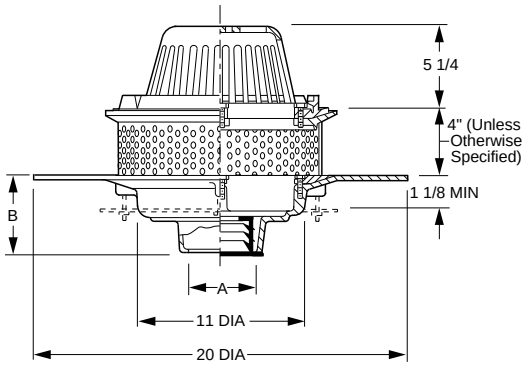
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**
	Y08	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**183.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**948.00**
-G	Galvanized CI	**320.00**
-GG	Perf SS Extension over 4", per inch	**81.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**1,038.00**
-SSM	SS Mesh on Metal Dome	**706.00**
-U	Vandal Proof Dome	**128.00**

▲Same for Caulk, NO-HUB and Speedi-Set, 3 3/4 for Threaded.
*This dimension to internal stop of Speedi-Set Gasket.

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	**2,219.00**	36
06"	20"	102.5	**2,386.00**	36

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Flashing Clamp, Perforated Stainless Steel Extension, Gravel Stop and Polyethylene Dome.

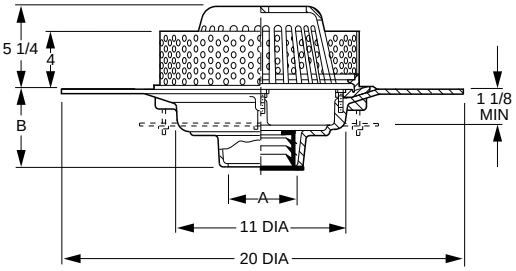
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**183.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-G	Galvanized CI	**320.00**
-GG	Perf SS Extension over 4", per inch	**81.00**
-RBD	Rough Bronze Dome	**1,038.00**
-SSM	SS Mesh on Metal Dome	**706.00**
-U	Vandal Proof Dome	**128.00**

†REGULARLY FURNISHED

FIG. 1019 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	**2,176.00**	50
06"	20"	102.5	**2,344.00**	50

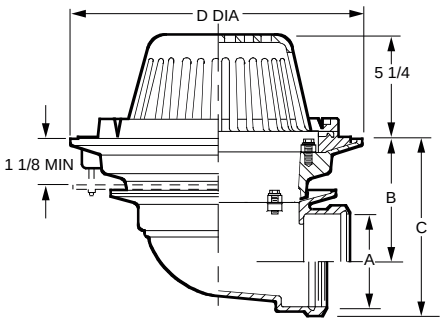
REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Flashing Clamp, 1/16" Thick, 4" High Stainless Steel Perforated Gravel Stop with 3/8" Dia. Openings and Polyethylene Dome.

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, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**183.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-G	Galvanized CI	**320.00**
-GG	Perforated SS Gravel Stop over 4", per inch	**81.00**
-RBD	Rough Bronze Dome	**1,038.00**
-U	Vandal Proof Dome	**128.00**

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 3/8"	15 1/4"	102.5	**728.00**	45
03"	6 3/8"	15 1/4"	102.5	**728.00**	45
04"	5 7/8"	15 1/4"	102.5	**728.00**	45
05"	5"	16"	102.5	**929.00**	55
06"	4 1/2"	16"	102.5	**929.00**	55

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

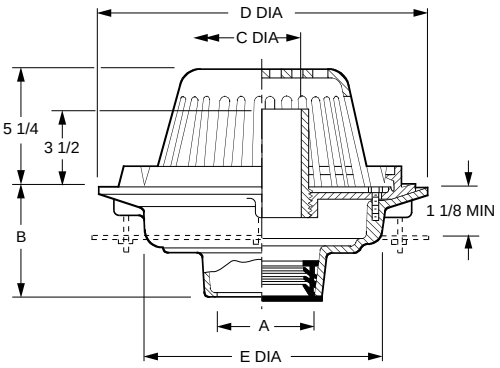
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	**102.00**
	C03, C04	8 3/4"	**102.00**
	C05, C06	8 1/2"	**102.00**
Threaded Outlet	T02	8 5/8"	**102.00**
	T03, T04	8 3/4"	**102.00**
	T05, T06	8 1/2"	**102.00**
No-Hub	Y02	8 5/8"	**N/C**
	Y03, Y04	8 3/4"	**N/C**
	Y05, Y06	8 1/2"	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**244.00**
-CID8	CI Dome, 8" High	**421.00**
-CL	Angular Underdeck Clamp	**483.00**
-E	Extension up to 4"	**312.00**
	per inch over 4"	**158.00**
-G	Galvanized CI	**320.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**1,038.00**
-SSM	SS Mesh on Metal Dome	**707.00**
-U	Vandal Proof Dome	**128.00**

†REGULARLY FURNISHED

FIG. 1070 - OVERFLOW DRAINS



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	**935.00**	65
06"	6"	15 1/4"	11"	102.5	**1,136.00**	72
08"	8"	16"	12 1/2"	102.5	**1,136.00**	86

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Gravel Stop with Polyethylene Dome and P.V.C. Standpipe.

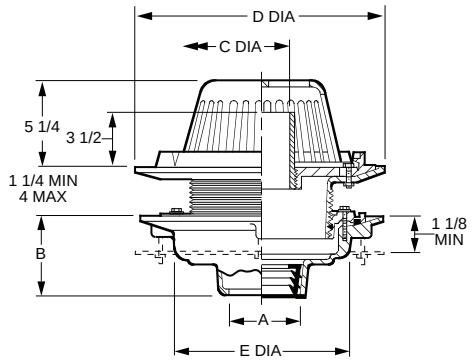
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**
	Y08	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-BZS	Bronze Standpipe	**292.00**
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CIS	Cast Iron Standpipe	**225.00**
-CL	Angular Underdeck Clamp	**446.00**
-DX	Wide Flange	**1,082.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-E	Extension up to 4"	**311.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**248.00**
-RBD	Rough Bronze Dome	**1,038.00**
-RDP	Roof Deck Plate	**240.00**
-SSM	SS Mesh on Metal Dome	**706.00**
-U	Vandal Proof Dome	**128.00**

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	**1,496.00**	65
06"	6"	15 1/4"	11"	102.5	**1,695.00**	72
08"	8"	16"	12 1/2"	102.5	**1,695.00**	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.

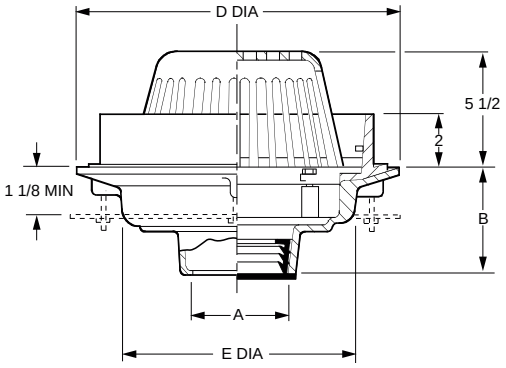
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**
	Y08	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-BZS	Bronze Standpipe	**292.00**
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	CI Dome	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-CIS	Cast Iron Standpipe	**225.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-DX	Wide Flange	**1,082.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**248.00**
-RBD	Rough Bronze Dome	**1,038.00**
-RDP	Roof Deck Plate	**241.00**
-SSM	SS Mesh on Metal Dome	**706.00**
-U	Vandal Proof Dome	**128.00**

†REGULARLY FURNISHED

FIG. 1080 SPECIAL PURPOSE ROOF DRAINS WATER DAM TYPE



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	**628.00**	**731.00**	62
06"	15 1/4"	11"	102.5	**829.00**	**930.00**	79
08"	16"	12 1/2"	102.5	**829.00**	**930.00**	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	**4,174.00**	**4,712.00**	118
10"	20"	16"	228	**4,445.00**	**4,982.00**	118

Add **$193.00 to Galvanize the Cast Iron Dome.

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Gravel Stop with Dome and Cast Iron Water Dam.

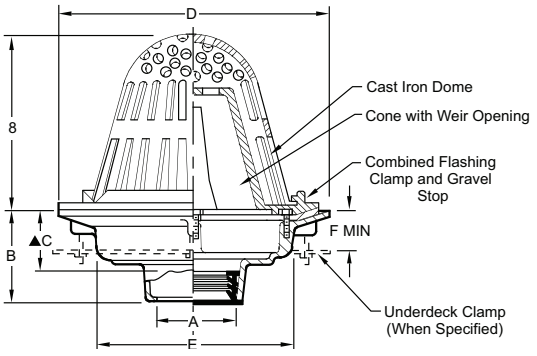
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
	C08	*6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
	T08	*5"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**
	Y08	*6"	**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)	**1,177.00**
-C	Aluminum Underdeck Clamp (15 & 16" Flange Bodies)	**183.00**
-C	Cast Iron Underdeck Clamp (20" Flange Bodies)	**441.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	CI Dome (when not reg. furn.)	**102.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**318.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-DX	Wide Flange	**1,443.00**
-E	Extension up to 4"	**311.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron	**320.00**
-PDSSM	SS Mesh on Poly Dome	**710.00**
-R	Sump Receiver (15 & 16" Flange Bodies)	**248.00**
-R	Sump Receiver (20" Flange Bodies)	**494.00**
-RBD	Rough Bronze Dome	**1,038.00**
-RDP	Roof Deck Plate (15 & 16" Flange Bodies)	**398.00**
-RDP	Roof Deck Plate (20" Flange Bodies)	**240.00**
-SSM	SS Mesh on Metal Dome	**706.00**
-U	Vandal Proof Dome	**128.00**
-WD	Water Dam, 2 1/2, 3, 4"	**343.00**

FIG. 1083 RAINTROL® ROOF DRAINS



A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ IN	†DUCO CI CI DOME	APPROX. WEIGHT LBS
02, 03, 04"	15 1/4"	102.5	**813.00**	64
05, 06"	15 1/4"	102.5	**1,014.00**	68

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.)

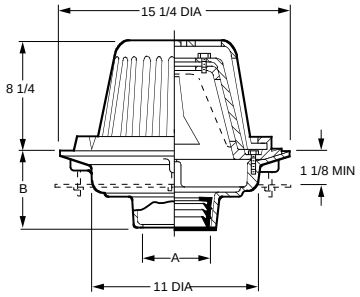
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CIDG	Cast Iron Dome **with** Galvanizing)	**522.00**
-CID8	8" High CI Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-E	Extension up to 4"	**311.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron	**320.00**
-PDSSM	SS Mesh on Poly Dome	**459.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**759.00**
-RDP	Roof Deck Plate	**241.00**
-U	Vandal Proof Dome	**128.00**
-WR	Multiple Weir Openings**	**N/C**

**Specify Number of Weir Openings

†REGULARLY FURNISHED

FIG. 1085 RAINTROL® 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	**1,917.00**	66
05, 06"	15 1/4"	122	**2,194.00**	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.)

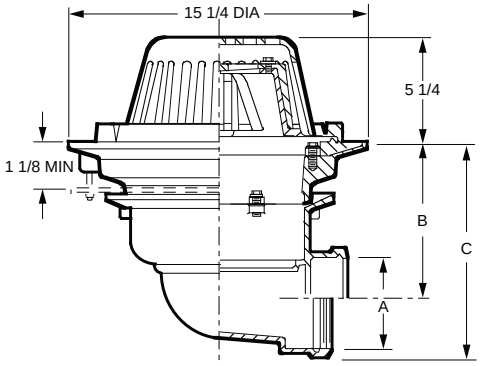
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	**222.00**
-C2	Secondary Flashing Clamp	**170.00**
-CIDG	Galvanized Cast Iron Dome	**329.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension (Deck Elevator Kit)	**1,129.00**
-E	Extension up to 4"	**606.00**
	per inch over 4"	**144.00**
-G	Galvanized Cast Iron	**878.00**
-R	Sump Receiver	**248.00**
-RDP	Roof Deck Plate	**398.00**
-U	Vandal Proof Dome	**128.00**
-WR	Multiple Weir Openings**	**N/C**

**Specify Number of Weir Openings

FIG. 1088 RAINTROL® 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	**2,066.00**	81
03"	15 1/4"	6 3/8"	102.5	**2,066.00**	81
04"	15 1/4"	5 7/8"	102.5	**2,066.00**	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.)

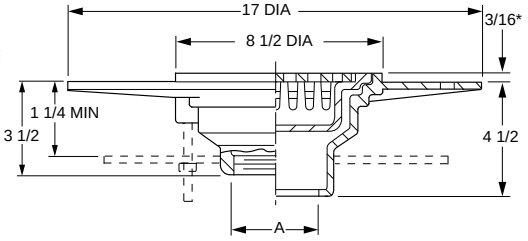
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	**102.00**
	C03, C04	8 3/4"	**102.00**
Threaded Outlet	T02	8 5/8"	**102.00**
	T03, T04	8 3/4"	**102.00**
No-Hub	Y02	8 5/8"	**N/C**
	Y03, Y04	8 3/4"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**102.00**
-C	Aluminum Underdeck Clamp	**222.00**
-C2	Secondary Flashing Clamp	**170.00**
-CID	Cast Iron Dome	**195.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**522.00**
-CID8	8" High Cast Iron Dome	**421.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	4" High Extension,	**606.00**
	per inch over 4"	**144.00**
-G	Galvanized Cast Iron Body	**878.00**
-RBD	Rough Bronze Dome	**759.00**
-R	Sump Receiver	**248.00**
-U	Vandal Proof Dome	**113.00**
-WR	Multiple Weir Openings**	**N/C**

**Specify Number of Weir Openings

†REGULARLY FURNISHED

FIG. DX1240 MEDIUM WIDE FLANGE BODY WITH "SAFE-SET®" BUCKET



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	**795.00**	**1,198.00**	**1,291.00**	27

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with ADA Grate and "Safe-Set®" Sediment Bucket.

*Add 3/16" when bronze top is specified.

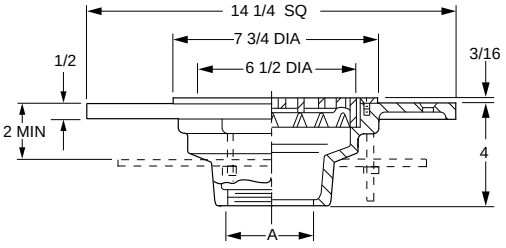
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	4 1/2"	**102.00**
Threaded	T02, T03, T04	3 1/2"	**102.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-C	Underdeck Clamp	**208.00**
-G	Galvanized Cast Iron	**625.00**
-SH	Securing Holes	**122.00**
-U	Vandal Proof Grate	**128.00**

Use only where light rainfall is prevalent or in covered roof areas. When heavy rainfall is anticipated use DX1010 or DX2566.

FIG. DX1250 SQUARE WIDE FLANGE BODY WITH NICKEL BRONZE TRACTOR GRATE



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	**1,299.00**	**1,394.00**	38

REGULARLY FURNISHED: Duco Cast Iron Wide Flange Body with Nickel Bronze ADA Tractor Grate and Rim.

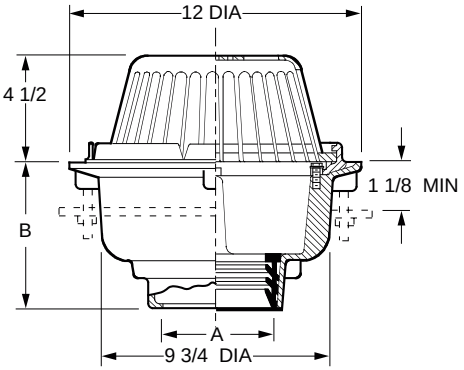
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**102.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-B	Sediment Bucket	**113.00**
-C	Underdeck Clamp	**136.00**
-G	Galvanized Cast Iron	**409.00**
-SH	Securing Holes	**122.00**
-U	Vandal Proof Grate	**133.00**

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	**402.00**	27
05, 06"	12"	71.5	**402.00**	27

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

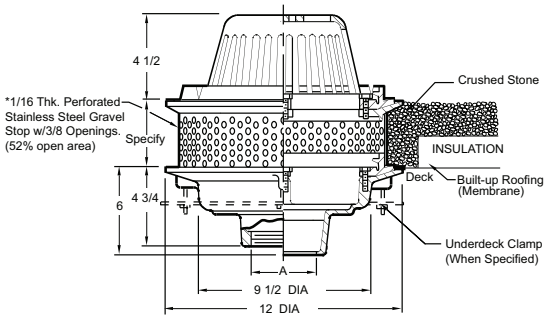
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	6"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	**48.00**
Threaded	T02, T03, T04, T05, T06	4 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**109.00**
-C	Underdeck Clamp	**183.00**
-C2	Sec. Flash. Clamp	**158.00**
-CID	Cast Iron Dome	**109.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**332.00**
-CIDSSM	Cast Iron Dome w/SS Mesh	**706.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Ext, Per Inch to 4", CI	**311.00**
-E04P	4" Perf SS Extension	**578.00**
-R	Sump Receiver	**183.00**
-G	Galvanized Cast Iron	**320.00**
-RBD	Rough Bronze Dome	**510.00**
-RDP	Roof Deck Plate	**240.00**
-U	Vandal Proof Dome	**128.00**
-WD02	2" Solid Water Dam	**170.00**

†REGULARLY FURNISHED

FIG. 1317 IRMA ROOF DRAINS



A OUTLET SIZE	FREE AREA SQ IN	†DUCO CI CI DOME
02"	71.5	**1,025.00**
03"	71.5	**1,025.00**
04"	71.5	**1,025.00**

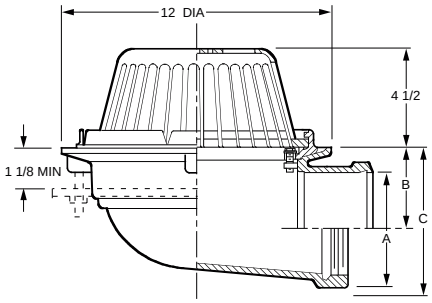
REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp, Perforated Stainless Steel Extension, Gravel Stop and Polyethylene Dome.

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

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	**102.00**
	C03, C04	8 3/4"	**102.00**
Threaded	T02	8 5/8"	**102.00**
	T03, T04	8 3/4"	**102.00**
No-Hub	Y02,	8 5/8"	**N/C**
	Y03, Y04	8 3/4"	**N/C**

OPTIONS:		ADD
-C	Underdeck Clamp	**183.00**
-CIDG	Galvanized Cast Iron Dome	**332.00**
-CL	Angular Underdeck Clamp	**706.00**
-E	4" High Extension	**311.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron Body	**320.00**
-R	Sump Receiver	**248.00**
-U	Vandal Proof Dome	**128.00**

FIG. 1320 12" DIAMETER LOW PROFILE DOME



A OUTLET SIZE	FLANGE DIA.	B	FREE AREA SQ IN	†DUCO CI POLY DOME	APPROX. WEIGHT LBS
02"	12"	4 1/2"	71.5	**638.00**	30
03"	12"	4"	71.5	**638.00**	30
04"	12"	3 1/2"	71.5	**638.00**	30

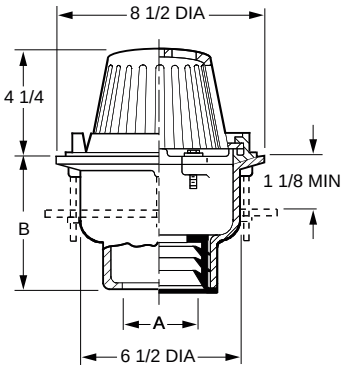
REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

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 5/8"	**102.00**
Threaded	T02, T03, T04	6 5/8"	**102.00**
No-Hub	Y02, Y03, Y04	6 5/8"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**109.00**
-C	Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	Cast Iron Dome	**109.00**
-CIDG	Cast Iron Dome **with** Galvanizing	**332.00**
-CIDSSM	Cast Iron Dome w/SS Mesh	**706.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Ext, to 4" Per Inch, CI	**311.00**
-E04P	4" Perf SS Extension	**577.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**510.00**
-U	Vandal Proof Dome	**128.00**
-WD02	2" Solid Water Dam	**136.00**

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	**326.00**	30

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

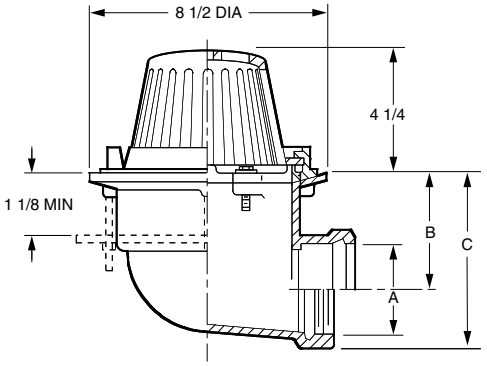
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5 1/2"	**48.00**
Threaded	T02, T03, T04	4 1/4"	**86.00**
No-Hub	Y02, Y03, Y04	5 1/2"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**217.00**
-C	Underdeck Clamp	**183.00**
-C2	Secondary Flashing Clamp	**158.00**
-CID	Cast Iron Dome	**109.00**
-CIDSSM	Cast Iron Dome w/SS Mesh	**577.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Ext, to 4" Per Inch, CI	**311.00**
-E04P	4" Perf SS Extension	**571.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**409.00**
-RDP	Roof Deck Plate	**318.00**
-U	Vandal Proof Dome	**128.00**
-WD02	2" Solid Water Dam	**176.00**

†REGULARLY FURNISHED

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	**652.00**	**760.00**	30
03"	8 1/2"	4"	41.5	**652.00**	**760.00**	30
04"	8 1/2"	3 1/2"	41.5	**652.00**	**760.00**	30

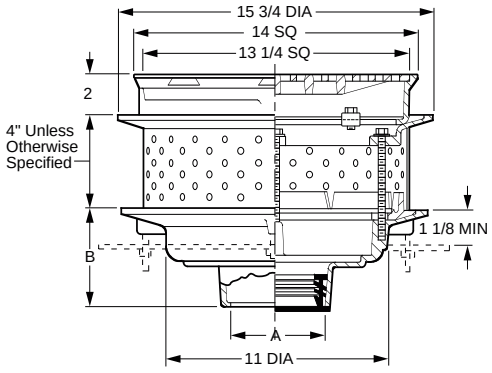
REGULARLY FURNISHED: Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

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"	**86.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-AD	Aluminum Dome	**217.00**
-C	Underdeck Clamp	**183.00**
-C2	Sec. Flash. Clamp	**158.00**
-CIDG	Cast Iron Dome **w/Galvanizing**	**131.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Ext, to 4" Per Inch, CI	**311.00**
-E04P	4" Perf SS Extension	**571.00**
-G	Galvanized Cast Iron	**320.00**
-R	Sump Receiver	**183.00**
-RBD	Rough Bronze Dome	**409.00**
-CIDSSM	SS Mesh on Metal Dome	**577.00**
-U	Vandal Proof Dome	**128.00**
-WD02	2" Solid Water Dam	**124.00**

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	**2,131.00**	**3,090.00**	**3,331.00**	65
06, 08"	14"	50.25	**2,420.00**	**3,250.00**	**3,494.00**	72

REGULARLY FURNISHED: Duco Cast Iron Body, Perforated Stainless Steel Extension with Secondary Flashing Clamp, Cast Iron Top Frame and ADA Secured Grate.

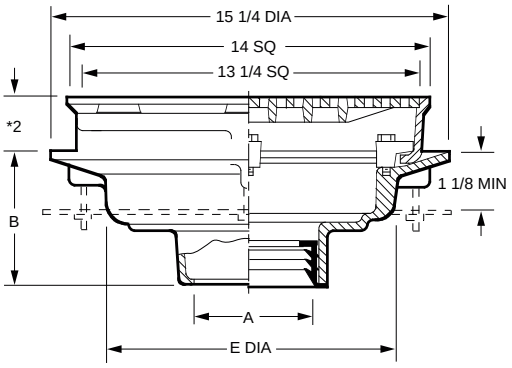
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**233.00**
-C	Aluminum Underdeck Clamp	**187.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Perf. Extension, to 4"	**311.00**
	Over 4", per inch	**158.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**620.00**
-R	Sump Receiver	**183.00**
-U	Vandal Proof Grate	**128.00**
-W	3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	**176.00**

†REGULARLY FURNISHED

FIG. 1410 LARGE-14" DECK DRAINS



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	**1,475.00**	**2,434.00**	**2,675.00**	47
06"	14"	11"	50.25	**1,762.00**	**2,592.00**	**2,836.00**	48
08"	14"	12 1/2"	50.25	**1,762.00**	**2,592.00**	**2,836.00**	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.

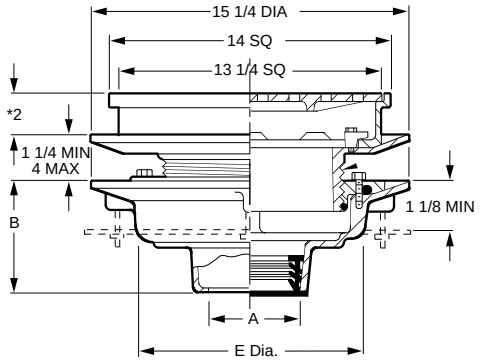
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**
	Y08	6"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**241.00**
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Sec Flashing Clamp	**158.00**
-CL	Angular Underdeck Clamp	**446.00**
-DE	Deck Elevator Extension	**241.00**
-DX	Wide Flange	**1,183.00**
-E	Extension, Up to 4"	**311.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**620.00**
-NBM	DI Undergrate with NB Top, add to CI	**1,821.00**
-PBM	DI Undergrate with PB Top, add to CI	**1,579.00**
-R	Sump Receiver	**183.00**
-RDP	Roof Deck Plate	**241.00**
-U	Vandal Proof Grate	**128.00**
-W	3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	**176.00**

*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	**2,034.00**	**2,993.00**	**3,233.00**	65
06"	14"	11"	50.25	**2,321.00**	**3,153.00**	**3,396.00**	72
08"	14"	12 1/2"	50.25	**2,321.00**	**3,153.00**	**3,396.00**	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.

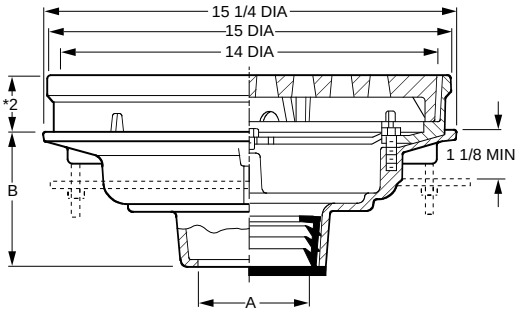
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y06	5"	**N/C**
	Y08	6"	**N.C**

OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	**183.00**
-C2	Sec Flashing Clamp	**158.00**
-CL	Angular Underdeck Clamp	**446.00**
-G	Galvanized Cast Iron	**506.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**620.00**
-NBM	DI Undergrate with NB Top, add to CI	**1,821.00**
-PBM	DI Undergrate with PB Top add to CI	**1,579.00**
-R	Sump Receiver	**248.00**
-U	Vandal Proof Grate	**128.00**
-W	3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	**176.00**

*Add 1/8" when bronze top is specified.

FIG. 1416 HEAVY DUTY ROOF 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"	15"	45	**1,437.00**	**3,555.00**	**3,796.00**	47
05, 06"	15"	45	**1,711.00**	**3,828.00**	**4,070.00**	48
08"	15"	45	**5,008.00**	**7,125.00**	**7,367.00**	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.)

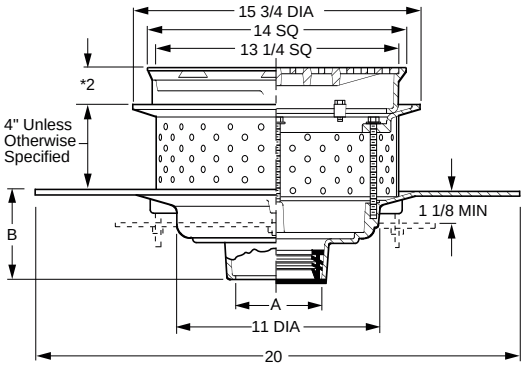
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**102.00**
	C08	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
	T08	5"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**
	Y08	6"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**235.00**
-C	Aluminum Underdeck Clamp	**222.00**
-CL	Angular Underdeck Clamp	**446.00**
-D	Dome Grate, CI	**368.00**
-DNB	Dome Grate, add to CI	**3,182.00**
-DPB	Dome Grate, add to CI	**2,882.00**
-G	Galvanized Body	**1,006.00**
-M	Ductile Iron Grate	**603.00**
-R	Sump Receiver	**248.00**
-S	Square Top, CI	**431.00**
-SNB	Square Top, add to CI	**2,966.00**
-SPB	Square Top, add to CI	**2,688.00**
-U	Vandal Proof Grate	**133.00**

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	**3,038.00**	**3,786.00**	**3,968.00**	47
05, 06"	14"	50.25	**3,314.00**	**4,060.00**	**4,240.00**	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"	**102.00**
Speedi-Set® SW	L02, L03, L04	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**48.00**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

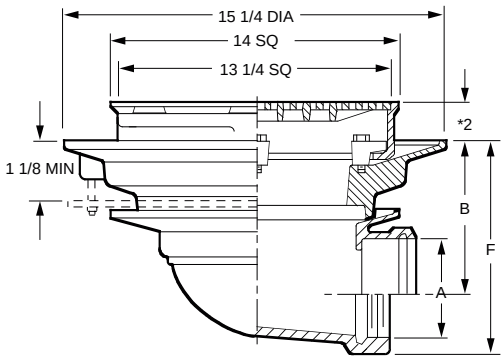
OPTIONS:		ADD
-C	Aluminum Underdeck Clamp	**222.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Perf Extension, to 4"	**N/C**
	Over 4", per inch	**71.00**
-G	Galvanized Cast Iron	**1,146.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**563.00**
-U	Vandal Proof Grate	**133.00**
-W	3/8" Weep Holes (When "Loose-Set" pavers are required)	**176.00**

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.

†REGULARLY FURNISHED

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	**1,724.00**	**2,682.00**	**2,924.00**	47
03"	14"	6 3/8"	50.25	**1,724.00**	**2,682.00**	**2,924.00**	47
04"	14"	5 7/8"	50.25	**1,724.00**	**2,682.00**	**2,924.00**	47
05"	14"	5"	50.25	**2,011.00**	**2,842.00**	**3,085.00**	48
06"	14"	4 1/2"	50.25	**2,011.00**	**2,842.00**	**3,085.00**	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.)

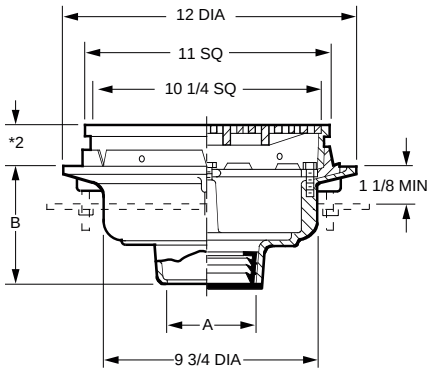
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	**102.00**
	C03, C04	8 3/4"	**102.00**
	C05, C06	8 1/2"	**102.00**
Threaded	T02	8 5/8"	**102.00**
	T03, T04	8 3/4"	**102.00**
	T05, T06	8 1/2"	**102.00**
No-Hub	Y02	8 5/8"	**N/C**
	Y03, Y04	8 3/4"	**N/C**
	Y05, Y06	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-B	Sediment Bucket	**233.00**
-C	Aluminum Underdeck Clamp	**182.00**
-C2	Sec Flashing Clamp	**158.00**
-CL	Angular Underdeck Clamp	**158.00**
-E	Extension, Up to 4"	**312.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**552.00**
-NBM	DI Undergrate with NB Top, add to CI	**1,820.00**
-PBM	DI Undergrate with PB Top, add to CI	**1,579.00**
-R	Sump Receiver	**248.00**
-U	Vandal Proof Grate	**128.00**
-W	3/8" Weep Holes in Collar (When "Loose-Set" pavers are required)	**176.00**

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	**1,040.00**	**1,627.00**	**1,876.00**	48
05, 06"	11"	31	**1,040.00**	**1,627.00**	**1,876.00**	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.)

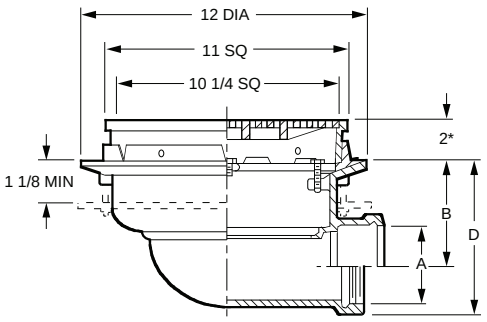
Outlet Type	Outlet Designation Outlet Type/Pipe Size	B Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	6"	**102.00**
Speedi-Set® SW	L02, L03, L04	6"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	6"	**48.00**
Threaded	T02, T03, T04, T05, T06	4 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**233.00**
-C	Underdeck Clamp	**182.00**
-C2	Sec Flashing Clamp	**158.00**
-CL	Angular Underdeck Clamp	**446.00**
-E	Extension per inch to 4"	**312.00**
-E04P	4" Perf SS Extension	**578.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**552.00**
-R	Sump Receiver	**198.00**
-U	Vandal Proof Grate	**133.00**

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. 1460 MEDIUM - 11" SQUARE PROMENADE 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"	11"	4 1/2"	31	**1,276.00**	**1,864.00**	**2,103.00**	51
03"	11"	4"	31	**1,276.00**	**1,864.00**	**2,103.00**	51
04"	11"	3 1/2"	31	**1,276.00**	**1,864.00**	**2,103.00**	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.)

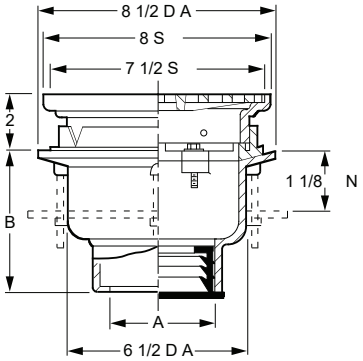
Outlet Type	Outlet Designation Outlet Type/Pipe Size	D Body HT. DIM.	ADD
Inside Caulk	C02	6 1/2"	**102.00**
	C03, C04	6 5/8"	**102.00**
Threaded	T02,	6 1/2"	**102.00**
	T03, T04	6 5/8"	**102.00**
No-Hub	Y02	6 1/2"	**N/C**
	Y03, Y04	6 5/8"	**N/C**

OPTIONS:		ADD
-C	Underdeck Clamp	**182.00**
-C2	Sec. Flash. Clamp	**158.00**
-E	Extension, per inch to 4"	**312.00**
-E04P	4" Perf SS Extension	**601.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**552.00**
-R	Sump Receiver	**182.00**
-U	Vandal Proof Grate	**128.00**

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	**801.00**	**1,207.00**	**1,446.00**	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.)

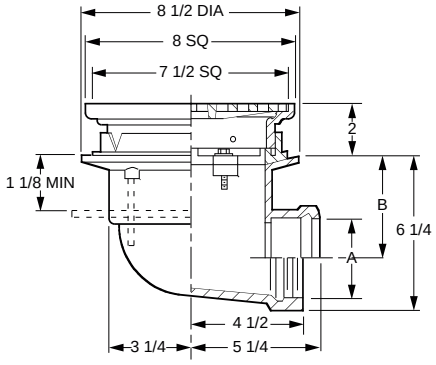
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	5 1/2"	**102.00**
Speedi-Set® SW	L02, L03, L04	5 1/2"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5 1/2"	**48.00**
Threaded	T02, T03	4 1/4"	**102.00**
No-Hub	Y02, Y03, Y04	5 1/2"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**233.00**
-C	Underdeck Clamp	**182.00**
-C2	Sec. Flash. Clamp	**158.00**
-E	Extension, per inch to 4"	**312.00**
-E04P	4" Perf SS Extension	**451.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**552.00**
-R	Sump Receiver	**182.00**
-U	Vandal Proof Grate	**128.00**

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.

†REGULARLY FURNISHED

FIG. 1480 SMALL - 8" SQUARE PROMENADE DECK DRAIN



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"	**102.00**
Threaded	T02, T03	6 1/4"	**N/C**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**	

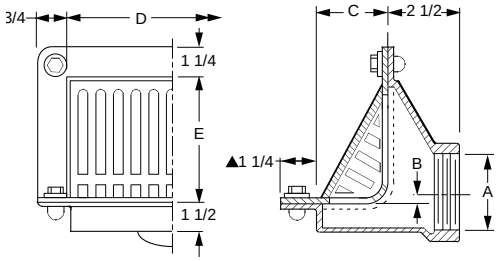
OPTIONS:

		ADD
-B	Sediment Bucket	**233.00**
-C	Underdeck Clamp	**183.00**
-C2	Sec. Flash. Clamp	**158.00**
-E	Extension, per inch to 4"	**311.00**
-E04P	4" Perf SS Extension	**451.00**
-G	Galvanized Cast Iron	**320.00**
-HP	Heelproof Grate	**N/C**
-M	Ductile Iron Grate	**552.00**
-R	Sump Receiver	**183.00**
-U	Vandal Proof Grate	**128.00**

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	**1,019.00**	**1,425.00**	**1,663.00**	30
03"	8"	4"	19	**1,019.00**	**1,425.00**	**1,663.00**	30
04"	8"	3 1/2"	19	**1,019.00**	**1,425.00**	**1,663.00**	30

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Seepage Openings and Secured Square Hole Light Duty ADA Grate.

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	**N/C**
	T06	**N/C**

OPTIONS:

		ADD
-G	Galvanized Cast Iron	
	02, 03, 04"	**228.00**
	05, 06"	**551.00**
-SEC	Secured Grate	**123.00**
-U	Vandal Proof Grate	**123.00**

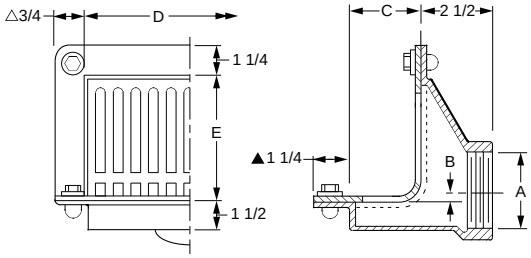
A OUTLET SIZE	B	C	D	E	FREE AREA SQ IN	†DUCO CI	DUCO CI RB FACE	DUCO CI PB FACE	DUCO CI NB FACE	APPROX. WEIGHT LBS
02"	*	3 1/4"	8 3/4"	5	17.75	**713.00**	**928.00**	**962.00**	**1,108.00**	16
03"	1/4"	3 1/4"	8 3/4"	5	17.75	**713.00**	**928.00**	**962.00**	**1,108.00**	16
04"	1"	3 1/4"	8 3/4"	5	17.75	**713.00**	**928.00**	**962.00**	**1,108.00**	16

* 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

FIG. 1520 SCUPPER DRAIN - FLUSH 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

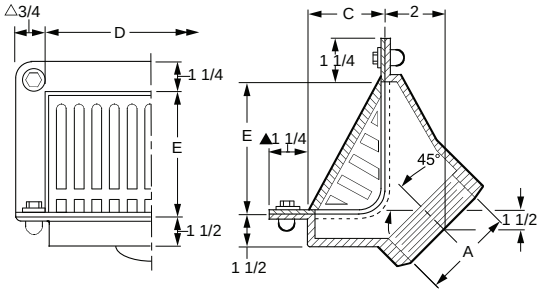
OPTIONS:		ADD
-G	Galvanized Cast Iron	
	02, 03, 04"	228.00
	05, 06"	368.00
-SEC	Secured Grate	123.00
-U	Vandal Proof Grate	123.00

* 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".

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"	20	**745.00**	**1,172.00**	**1,493.00**	**1,748.00**	16
03"	1/4"	3 1/4"	8 3/4"	5"	20	**745.00**	**1,172.00**	**1,493.00**	**1,748.00**	16
04"	1"	3 1/4"	8 3/4"	5"	20	**745.00**	**1,172.00**	**1,493.00**	**1,748.00**	16
05"	1 3/4"	4 1/4"	10 1/2"	6 1/2"	40	**1,263.00**	**1,906.00**	**2,202.00**	**2,781.00**	23
06"	1 3/4"	4 1/4"	10 1/2"	6 1/2"	40	**1,263.00**	**1,906.00**	**2,202.00**	**2,781.00**	23

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.)

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"	228.00
	05, 06"	368.00
-SEC	Secured Grate	123.00
-U	Vandal Proof Grate	123.00

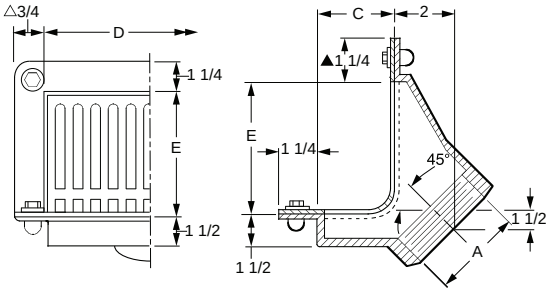
△For 05 & 06" size, add 1/2".
▲For 05 & 06" size, reduce by 3/16".

A OUTLET SIZE	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	**673.00**	**888.00**	**923.00**	**1,067.00**	16
03"	3 1/4"	8 3/4"	5"	17.75	**673.00**	**888.00**	**923.00**	**1,067.00**	16
04"	3 1/4"	8 3/4"	5"	17.75	**673.00**	**888.00**	**923.00**	**1,067.00**	16
05"	4 1/4"	10 1/2"	6 1/2"	35	**1,101.00**	**1,795.00**	**2,040.00**	**2,279.00**	23
06"	4 1/4"	10 1/2"	6 1/2"	35	**1,101.00**	**1,795.00**	**2,040.00**	**2,279.00**	23

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Clamp and Loose Set Grate.

†REGULARLY FURNISHED

FIG. 1540 SCUPPER DRAIN - FLUSH 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

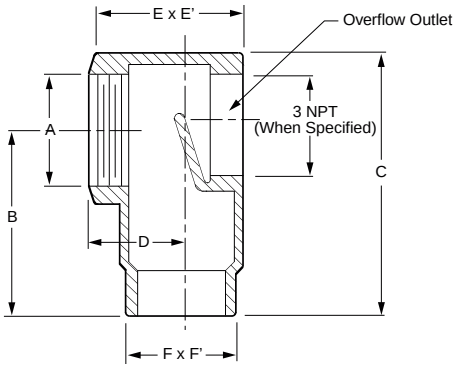
OPTIONS:		ADD
-Galvanized CI		
	02, 03, 04"	228.00
	05, 06"	441.00
-SEC	Secured Grate	123.00
-U	Vandal Proof Grate	123.00

A OUTLET SIZE	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"	20	**673.00**	**1,099.00**	**1,420.00**	**1,676.00**	16
03"	3 1/4"	8 3/4"	5"	20	**673.00**	**1,099.00**	**1,420.00**	**1,676.00**	16
04"	3 1/4"	8 3/4"	5"	20	**673.00**	**1,099.00**	**1,420.00**	**1,676.00**	16
05"	4 1/4"	10 1/2"	6 1/2"	40	**1,156.00**	**1,799.00**	**2,094.00**	**2,673.00**	23
06"	4 1/4"	10 1/2"	6 1/2"	40	**1,156.00**	**1,799.00**	**2,094.00**	**2,673.00**	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

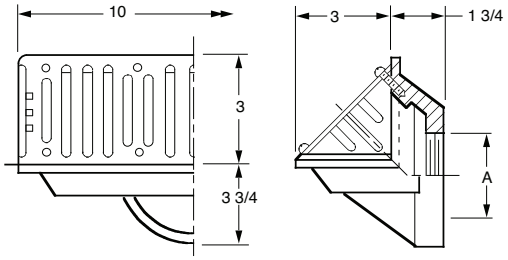


OPTIONS:		ADD
-N3	3" NPT Tapping	71.00

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"	**1,198.00**	**1,425.00**	16

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 1560 SCUPPER DRAIN - 90° OUTLET



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

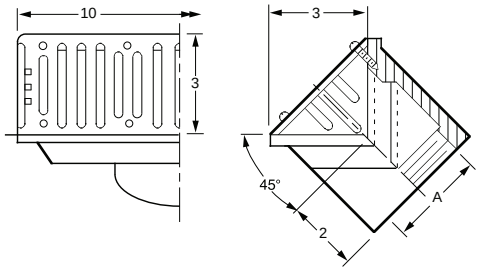
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03	N/C

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	**1,035.00**	**1,328.00**	**1,637.00**	21

REGULARLY FURNISHED: Cast Bronze Body with Combined Rough Bronze Grate, Flashing Clamp and Gasket.

†REGULARLY FURNISHED

FIG. 1570 SCUPPER DRAIN - 45° OUTLET



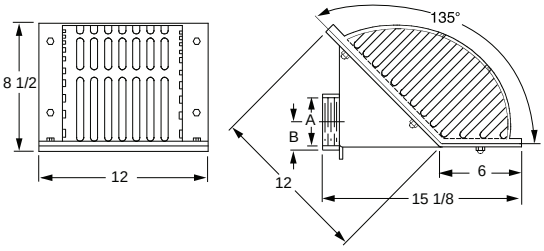
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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	**1,035.00**	**1,328.00**	**1,637.00**	21

REGULARLY FURNISHED: Cast Bronze Body with Combined Rough Bronze Grate, Flashing Clamp and Gasket.

FIG. 1580 SCUPPER DRAIN - CONVEX GRATE



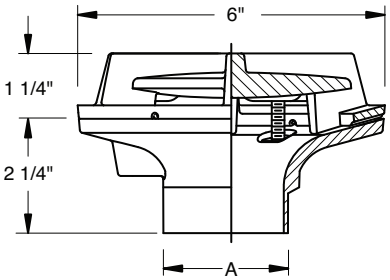
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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	**3,446.00**	**3,978.00**	**4,202.00**	52
03"	2 1/4"	12" Wd	111	**3,446.00**	**3,978.00**	**4,202.00**	52
04"	2 3/4"	12" Wd	111	**3,446.00**	**3,978.00**	**4,202.00**	52
05"	3 1/4"	12" Wd	111	**3,446.00**	**3,978.00**	**4,202.00**	52
06"	4"	12" Wd	111	**3,446.00**	**3,978.00**	**4,202.00**	52

REGULARLY FURNISHED: Cold Galvanized Steel Body with Rough Bronze Grate and Flashing Clamp.

FIG. 1605 6" DIAMETER LOW PROFILE SIPHONIC GUTTER DRAIN



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

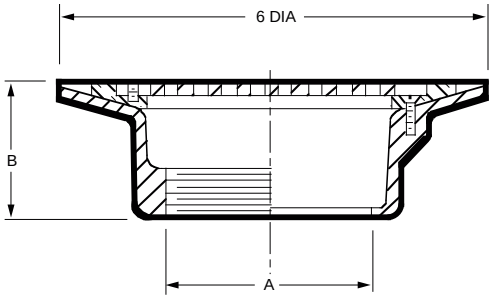
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
No-Hub	Y02	POA

OPTIONS:		ADD
-G	Galvanized CI	POA
-U	Vandal Proof	POA

A OUTLET SIZE	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.

FIG. 1610 FLAT STRAINER - 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"	7	**438.00**	**636.00**	4
03"	*4"	6"	7	**724.00**	**725.00**	5
04"	*4"	6"	7	**1,018.00**	**1,813.00**	6

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze ADA Top Secured with Brass Screws.

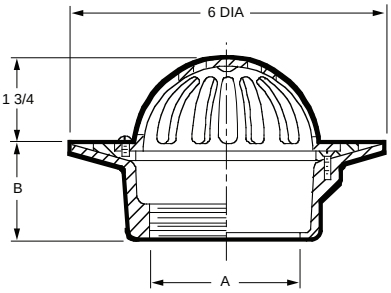
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	**102.00**
Threaded	T02, T03	**N/C**
Threaded	T04 (Available in 4" Deep Body Only)	**N/C**

OPTIONS:		ADD
-CP	Chrome Plated Grate	**208.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Grate	**218.00**
-PB	Polished Bronze Grate	**101.00**
-SSM	SS Mesh on Grate	**108.00**
-U	Vandal Proof Grate	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

***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	**438.00**	**636.00**	4
02, 03"	*4"	6"	8	**724.00**	**981.00**	5
04"	*4"	6"	8	**1,018.00**	**1,813.00**	6

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

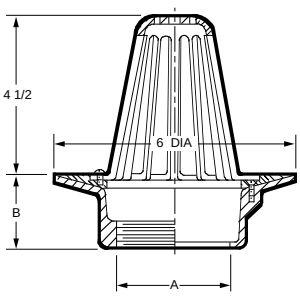
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	**102.00**
Threaded	T02, T03	**N/C**
Threaded	T04 (Available in 4" Deep Body Only)	**N/C**

OPTIONS:		ADD
-CP	Chrome Plated Dome	**208.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Dome	**218.00**
-PB	Polished Bronze Dome	**101.00**
-SSM	SS Mesh on Dome	**214.00**
-U	Vandal Proof Dome	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

***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	**498.00**	**694.00**	5
02, 03"	*4"	6"	24.5	**784.00**	**1,040.00**	6
04"	*4"	6"	24.5	**1,079.00**	**1,875.00**	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.)

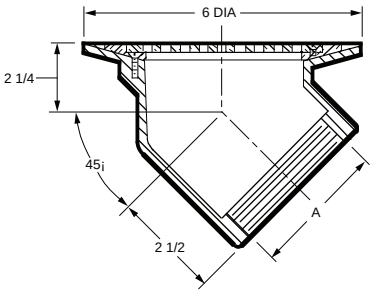
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02	**102.00**
Threaded	T02, T03	**N/C**
Threaded	T04 (Available in 4" Deep Body Only)	**N/C**

OPTIONS:		ADD
-CP	Chrome Plated Dome	**317.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Dome	**218.00**
-PB	Polished Bronze Dome	**101.00**
-SSM	SS Mesh on Dome	**394.00**
-U	Vandal Proof Dome	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

***For 4" deep body, specify B4 option when ordering.**

†REGULARLY FURNISHED

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	**706.00**	**797.00**	7
03"	6"	7	**706.00**	**1,193.00**	10
04"	6"	7	**706.00**	**1,193.00**	10

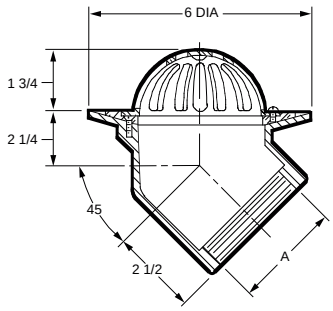
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze ADA Top Secured with Brass Screws.

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 Grate	**208.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Grate	**82.00**
-PB	Polished Bronze Grate	**73.00**
-SSM	SS Mesh on Grate	**108.00**
-U	Vandal Proof Grate	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

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	**485.00**	**797.00**	7
03"	6"	8	**734.00**	**1,193.00**	10
04"	6"	8	**734.00**	**1,193.00**	12

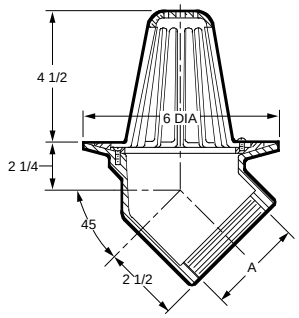
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

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	**208.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Dome	**101.00**
-PB	Polished Bronze Dome	**88.00**
-SSM	SS Mesh on Dome	**216.00**
-U	Vandal Proof Dome	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

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	**766.00**	**874.00**	7
03"	6"	24.5	**816.00**	**1,350.00**	10
04"	6"	24.5	**816.00**	**1,350.00**	12

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

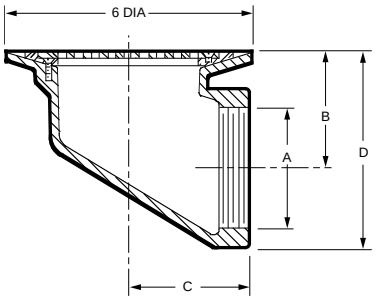
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	**N/C**

OPTIONS:		ADD
-CP	Chrome Plated Dome	**316.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Dome	**82.00**
-PB	Polished Bronze Dome	**73.00**
-SSM	SS Mesh on Dome	**394.00**
-U	Vandal Proof Dome	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

†REGULARLY FURNISHED

FIG. 1670 FLAT STRAINER - 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"	7	**485.00**	**797.00**	7
03"	3"	3"	5"	6"	7	**734.00**	**1,267.00**	10
04"	3 1/2"	4"	6 1/4"	6"	7	**734.00**	**1,267.00**	12

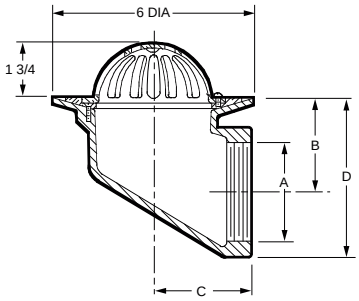
REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze ADA Top Secured with Brass Screws.

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 Grate	**208.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Grate	**101.00**
-PB	Polished Bronze Grate	**88.00**
-U	Vandal Proof Grate	**123.00**
-SSM	SS Mesh on Grate	**71.00**
-WD02	2" High Water Dam on Collar	**343.00**

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	**485.00**	**795.00**	7
03"	3"	3"	5"	6"	8	**734.00**	**1,267.00**	10
04"	3 1/2"	4"	6 1/4"	6"	8	**734.00**	**1,267.00**	12

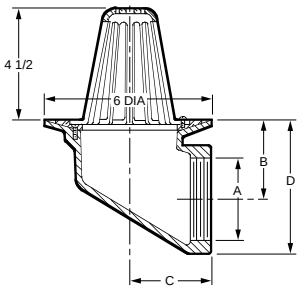
REGULARLY FURNISHED:
Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

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	**208.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Grate	**82.00**
-PB	Polished Bronze Grate	**73.00**
-SSM	SS Mesh on Dome	**216.00**
-U	Vandal Proof Grate	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

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	**559.00**	**871.00**	7
03"	3"	3"	5"	6"	24.5	**807.00**	**1,350.00**	10
04"	3 1/2"	4"	6 1/4"	6"	24.5	**807.00**	**1,350.00**	10

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Flashing Clamp and Bronze Top Secured with Brass Screws.

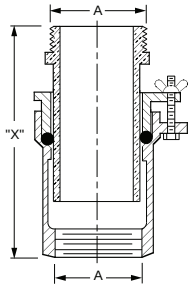
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	**N/C**

OPTIONS:		ADD
-CP	Chrome Plated Dome	**316.00**
-G	Galvanized Cast Iron	**205.00**
-NB	Nickel Bronze Dome	**101.00**
-PB	Polished Bronze Dome	**88.00**
-SSM	SS Mesh on Dome	**394.00**
-U	Vandal Proof Dome	**123.00**
-WD02	2" High Water Dam on Collar	**343.00**

†REGULARLY FURNISHED

FIG. 1710 ROOF ACCESSORY - EXPANSION JOINT



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	N/C
	S06, S08	N/C
Threaded	T02, T03, T04, T05	N/C
	T06, T08	N/C
No-Hub	Y02, Y03, Y04, Y05	N/C
	Y06, Y08	N/C

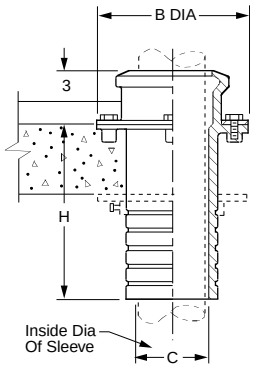
REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Bronze Expansion Sleeve and Bronze Bolts and Wing Nuts.

*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 slab, in soil or a similar substrate.

A OUTLET SIZE	"X" MIN	"X" MAX	†DUCO CI	GALV CI	APPROX. WEIGHT LBS
*02"	7 5/16"	9 3/4"	**885.00**	**1,188.00**	9
03"	7 11/16"	9 3/4"	**947.00**	**1,257.00**	10
04"	7 11/16"	9 3/4"	**1,076.00**	**1,384.00**	12
05"	8 3/4"	10 5/16"	**1,818.00**	**2,130.00**	18
06"	8 3/8"	10 1/4"	**1,818.00**	**2,130.00**	21
08"	8 5/8"	11 1/16"	**3,144.00**	**3,454.00**	40

FIG. 1720 ROOF ACCESSORY - STACK OR WALL SLEEVE



H= -5, -10 or -14"
(Specify Height)

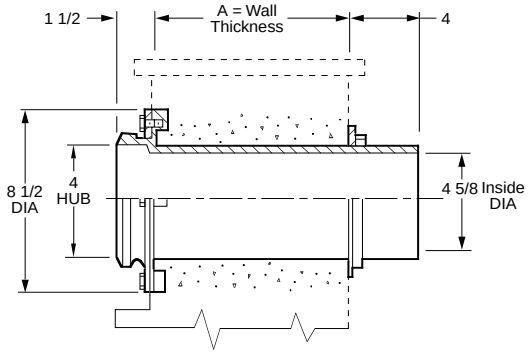
OPTIONS: **ADD**

-C	Underdeck Clamp	
	050 thru 06"	**160.00**
	08 thru 12"	**308.00**
-G	Galvanized Cast Iron	**436.00**

PIPE SIZE	B DIA	C INSIDE DIA	†DUCO CI 5" HEIGHT	DUCO CI 10" HEIGHT	DUCO CI 14" HEIGHT	APPROX. WEIGHT LBS
050,075,01"	5"	1 1/2"	**399.00**	**648.00**	**851.00**	10
0125,0150,02"	6 3/4"	2 3/4"	**399.00**	**648.00**	**851.00**	10
0250,03"	7 1/2"	3 3/4"	**485.00**	**877.00**	**1,566.00**	12
04"	8 1/2"	4 3/4"	**485.00**	**877.00**	**1,566.00**	16
05"	9 1/2"	5 3/4"	**890.00**	**1,505.00**	**4,021.00**	24
06"	10 1/2"	6 3/4"	**890.00**	**1,505.00**	**4,021.00**	24
08"	13 1/2"	9"	**1,037.00**	**2,035.00**	**4,829.00**	29
10"	15 1/2"	11 1/4"	**1,082.00**	**2,871.00**	**5,960.00**	31
12"	19"	13 1/4"	**1,726.00**	**3,715.00**	**6,257.00**	40

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp.

FIG. 1730 ROOF ACCESSORY - PARAPET SLEEVE

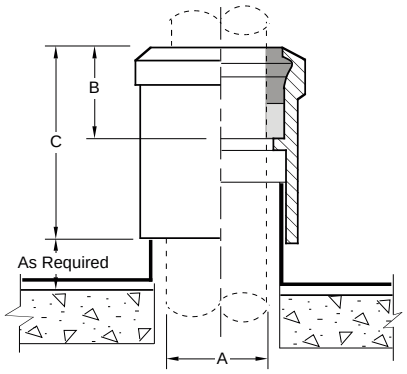


REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp and Adjustable Wall Flange.

FIGURE NUMBER	A WALL THICKNESS	HUB SIZE	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
1730-0850	8 1/2" (0850)	04"	**1,083.00**	**1,810.00**	20
1730-0950	9 1/2" (0950)	04"	**1,263.00**	**1,990.00**	26
1730-1350	13 1/2" (1350)	04"	**1,478.00**	**2,205.00**	32
1730-1750	17 1/2" (1750)	04"	**1,581.00**	**2,307.00**	38
1730-2250	22 1/2" (2250)	04"	**1,620.00**	**2,348.00**	45

†REGULARLY FURNISHED

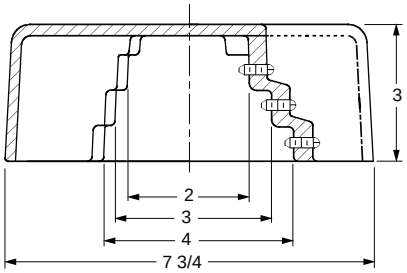
FIG. 1740 ROOF ACCESSORY - CAULKING TYPE ROOF COUPLING



A SIZE	B	C	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
02"	1 3/4"	3 1/2"	**102.00**	**354.00**	2
03"	1 3/4"	3 3/4"	**180.00**	**430.00**	4
04"	1 3/4"	3 3/4"	**201.00**	**451.00**	5
06"	1 3/4"	3 3/4"	**513.00**	**764.00**	7

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 1748 ROOF ACCESSORY - VENT CAP



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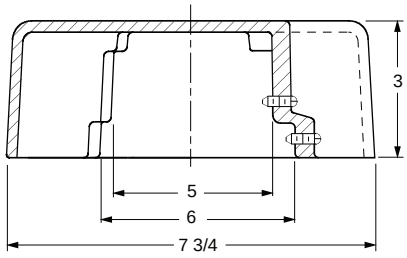
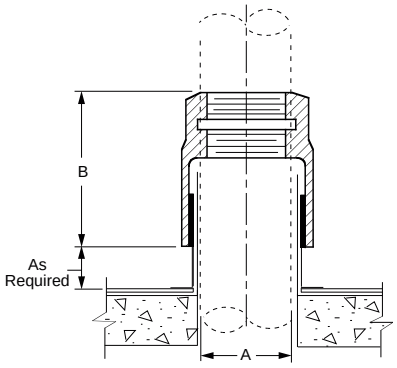


i i 05 0

PIPE SIZE	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
0150, 02"	**806.00**	**1,034.00**	15
03"	**806.00**	**1,034.00**	15
04"	**806.00**	**1,034.00**	15
05"	**1,024.00**	**1,251.00**	22
06"	**1,024.00**	**1,251.00**	22

REGULARLY FURNISHED: Duco Cast Iron
Dome Secured with Recessed Allen Socket Set Screws.

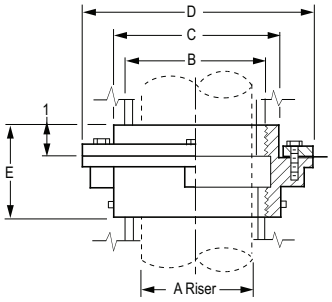
FIG. 1750 ROOF ACCESSORY - THREADED TYPE ROOF COUPLING



A SIZE	B	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
0125"	5"	**403.00**	**838.00**	5
0150"	4"	**POA**	**POA**	5
02"	4"	**650.00**	**1,085.00**	5
0250"	4 3/4"	**POA**	**POA**	7
03"	4 1/2"	**650.00**	**1,085.00**	7
04"	4 1/2"	**650.00**	**1,085.00**	8
05"	5 1/2"	**1,185.00**	**1,623.00**	11
06"	5 1/2"	**1,185.00**	**1,623.00**	11
08"	6 1/2"	**1,478.00**	**1,824.00**	20

REGULARLY FURNISHED: Duco Cast Iron.

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"	**653.00**	**1,089.00**	12
02"	3"	4"	6 1/2"	3"	**723.00**	**1,180.00**	14
0250, 03"	4"	5"	7 1/4"	3"	**723.00**	**1,180.00**	16
04"	5"	6 1/2"	9 1/4"	3 1/2"	**1,008.00**	**1,440.00**	18
05"	6"	7 1/2"	10 1/4"	3 3/4"	**1,451.00**	**1,887.00**	21
06"	8"	10"	13 1/4"	4"	**1,451.00**	**1,887.00**	31

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Clamp.

FIG. 1770 ROOF ACCESSORY - DOWNSPOUT NOZZLE

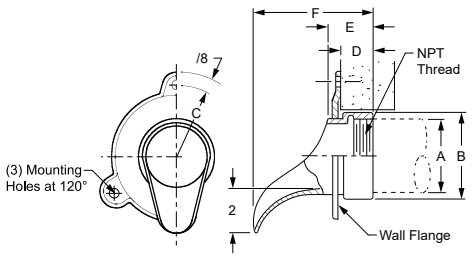


Fig. 0

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded		**N/C**
No-Hub	Y02, Y03, Y04 and Y06	**N/C**
No-Hub	Y05, Y08, Y10 and Y12	**See Fig. 2646Y for list add to THREADED body**

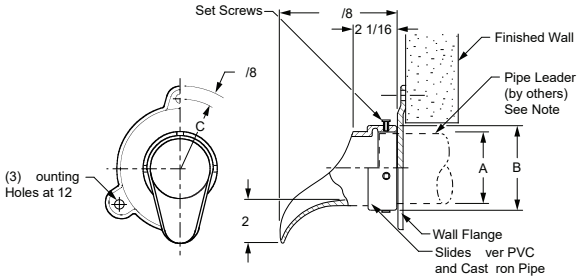
OPTIONS:		ADD
-BS	Bird Screen	**428.00**

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"	2 3/4"	2 3/4"	1 3/8"	2 1/16"	5 5/8"	**728.00**	**728.00**	**728.00**	**896.00**	9
03"	4"	3 1/2"	1 3/8"	2 1/16"	5 5/8"	**728.00**	**728.00**	**728.00**	**896.00**	9
04"	5"	3 7/8"	1 3/8"	2 1/16"	5 5/8"	**728.00**	**728.00**	**728.00**	**896.00**	9
05"	6"	4 3/8"	1 3/8"	2 1/16"	5 5/8"	**1,408.00**	**1,408.00**	**1,408.00**	**1,605.00**	16
06"(Thrd)	7 1/4"	5"	1 3/8"	2 1/16"	5 5/8"	**1,408.00**	**1,408.00**	**1,408.00**	**1,605.00**	16
06"(No-Hub)	7 1/4"	5"	1 3/16"	2 1/2"	6 1/4"	**1,408.00**	**1,408.00**	**1,408.00**	**1,605.00**	16
08"	9 1/4"	5 7/8"	1 5/8"	2 3/8"	5 15/16"	**1,537.00**	**1,537.00**	**1,537.00**	**2,352.00**	23
10"	11 1/8"	7 1/4"	1 3/4"	2 3/4"	5 3/8"	**2,261.00**	**2,261.00**	**2,261.00**	**3,051.00**	28
12"	13 1/4"	8"	2	2 15/16"	7 9/16"	**2,981.00**	**2,981.00**	**2,981.00**	**3,779.00**	33

†REGULARLY FURNISHED

FIG. 1771 ROOF ACCESSORY - DOWNSPOUT NOZZLE



OPTIONS: **ADD**
-BS Bird Screen **428.00**

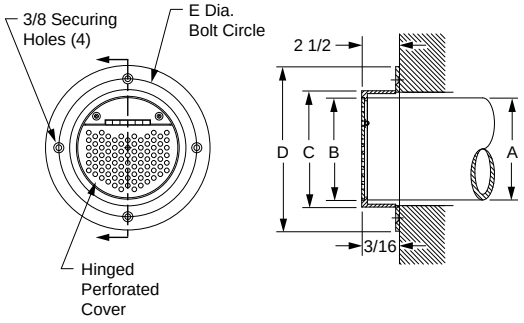
NOTE: Pipe (Leader) must extend past the face of the finished wall in order to install the wall flange and attach the downspout nozzle. Dimension shall be field determined by installer.

REGULARLY FURNISHED: Cast Bronze Nozzle and Flange, Machined Nozzle Slides Over PVC and Cast Iron Pipe.

A PIPE SIZE	B SIZE	C RAD	†ROUGH BRONZE	NB	PB	APPROX. WEIGHT LBS
02"	2 3/4"	2 3/4"	**728.00**	**728.00**	**728.00**	9
03"	4"	3 1/2"	**728.00**	**728.00**	**728.00**	9
04"	5"	3 7/8"	**728.00**	**728.00**	**728.00**	9
05"	6"	4 3/8"	**1,408.00**	**1,408.00**	**1,408.00**	16
06	7 1/4"	5"	**1,408.00**	**1,408.00**	**1,408.00**	16
08"	9 1/4"	5 7/8"	**1,537.00**	**1,537.00**	**1,537.00**	23
10"	11 1/8"	7 1/4"	**2,261.00**	**2,261.00**	**2,261.00**	28
12"	13 1/4"	8"	**2,981.00**	**2,981.00**	**2,981.00**	33

FIG. 1775 SPECIAL PURPOSE DOWNSPOUT COVER W/HINGED PERFORATED COVER

OPTIONS: **ADD**
-U Vandal Proof **127.00**
-H5 5" Long Downspout Frame ..... **N/C**

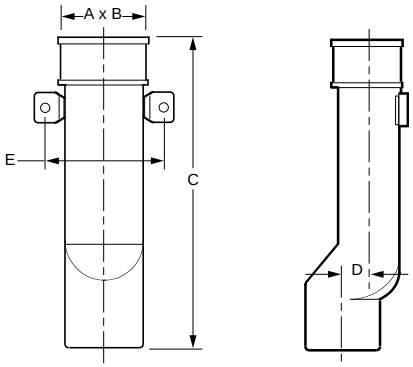


A PIPE SIZE	B DIA	C DIA	D DIA	E DIA	†SS	CP	PB
03"	4"	4 1/2"	7 11/16"	5 15/16"	**2,618.00**	**3,182.00**	**2,941.00**
04"	5"	5 9/16"	8 3/4"	7"	**2,618.00**	**3,182.00**	**2,941.00**
05"	6 1/4"	6 5/8"	9 13/16"	8 1/8"	**2,765.00**	**3,328.00**	**3,102.00**
06"	7 3/16"	7 9/16"	10 7/8"	9 1/8"	**2,765.00**	**3,328.00**	**3,102.00**
08"	9 3/16"	9 9/16"	12 7/8"	11 1/8"	**3,005.00**	**3,462.00**	**3,102.00**
10"	11 5/16"	11 11/16"	15"	13 1/4"	**3,069.00**	**3,630.00**	**3,442.00**
12"	13 5/16"	13 11/16"	17"	15 1/4"	**3,252.00**	**3,815.00**	**3,651.00**
15"	16 7/16"	16 13/16"	20 1/8"	18 3/8"	**3,439.00**	**4,001.00**	**3,857.00**

REGULARLY FURNISHED: Fabricated Type 304 Stainless Steel Downspout Cover with Hinged Perforated Cover.

FIG. 1785, 1786, 1787 ROOF ACCESSORY - DOWNSPOUT BOOTS

Fig. 1785



OPTIONS: **ADD**
-G Galvanized Cast Iron 1785 ..... **727.00**
-G Galvanized Cast Iron 1786, 1787 ..... **727.00**

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"	**770.00**	16
*1785-12CA	04 X 03" RECT.	12"	1 1/2"	6 5/8"	**1,542.00**	16
1785-18	04 X 03" RECT.	18"	1 1/2"	6 5/8"	**1,009.00**	22
*1785-18CA	04 X 03" RECT.	18"	1 1/2"	6 5/8"	**1,783.00**	22
1785-24	04 X 03" RECT.	24"	1 1/2"	6 5/8"	**1,804.00**	28
*1785-24CA	04 X 03" RECT.	24"	1 1/2"	6 5/8"	**2,576.00**	28
1786-24	05 X 04" RECT.	24"	1"	7 5/8"	**1,689.00**	37
*1786-24CA	05 X 04" RECT.	24"	1"	7 5/8"	**2,463.00**	37
1787-18	04" ROUND	18"	1"	6 1/8"	**1,689.00**	26
*1787-18CA	04" ROUND	18"	1"	6 1/8"	**2,463.00**	26

REGULARLY FURNISHED: Cast Iron Body and Strap with 5/16" Dia. Cast Holes for Flat Head Bolts, Typical. All Shapes Unpainted.

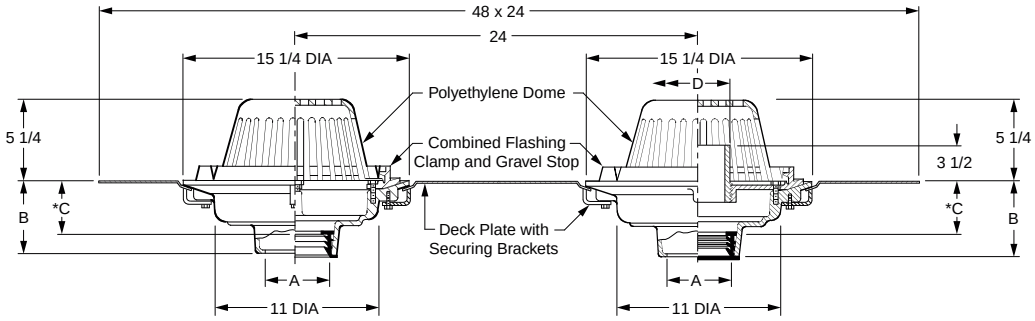
*With cleanout access.

†REGULARLY FURNISHED

FIG. 1800 ROOF DRAIN AND OVERFLOW DRAIN WITH DECK TOP MOUNTING PLATE

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 **(each)**	C02, C03, C04, C05, C06	5"	**102.00**
Speedi-Set® SW **(each)**	L02, L03, L04	5"	**48.00**
Speedi-Set® XH **(each)**	LXH02, LXH03, LXH04	5"	**48.00**
Threaded **(each)**	T02, T03, T04, T05, T06	3 3/4"	**102.00**
No-Hub **(each)**	Y02, Y03, Y04, Y05, Y06	5"	**N/C**



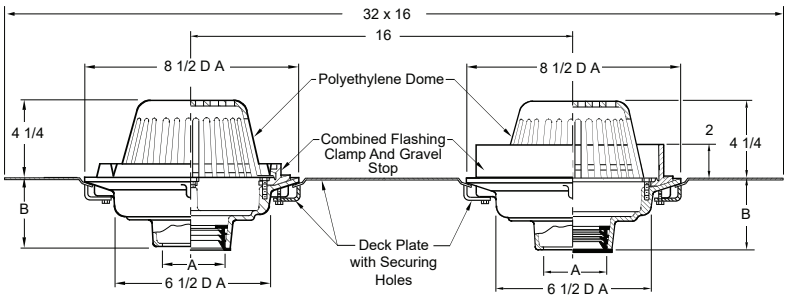
***Note:** This dimension to internal stop of Speedi-Set gasket

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	**1,105.00**
05, 06"	3 3/4"	6"	102.5	**1,413.00**

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 **(each)**	**102.00**
-AE	Adjustable Extension **(each)**	**1,177.00**
-C2	Secondary Flashing Clamp **(each)**	**158.00**
-CID	Cast Iron Domes **(each)**	**102.00**
-CIDG	Cast Iron Domes **with** Galvanizing **(each)**	**318.00**
-CID8	8" High Cast Iron Dome **(each)**	**421.00**
-E	Extension up to 4" **(each)**	**312.00**
	per inch over 4"	**158.00**
-G	Galvanized Cast Iron Body **(each)**	**320.00**
-PDSSM	SS Mesh on Poly Dome **(each)**	**707.00**
-RBD	Rough Bronze Dome **(each)**	**1,038.00**
-RBDSSM	Rough Bronze Dome w/SS Mesh **(each)**	**1,745.00**
-U	Vandal Proof Dome **(each)**	**128.00**

FIG. 1830 ROOF DRAIN AND OVERFLOW DRAIN W/DECK TOP MOUNTING PLATE



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

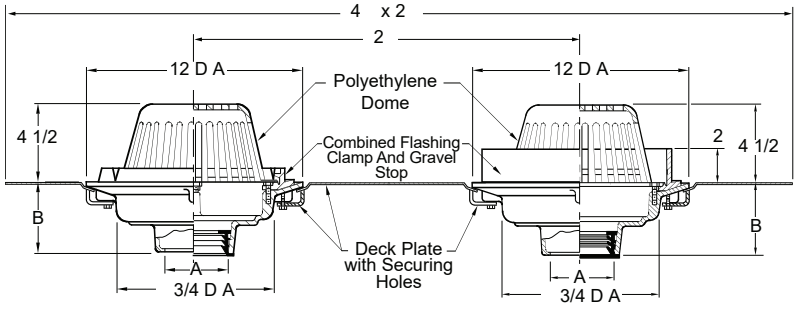
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk **(each)**	C02, C03, C04	5 1/2"	**102.00**
Speedi-Set® SW **(each)**	L02, L03, L04	5 1/2"	**48.00**
Speedi-Set® XH **(each)**	LXH02, LXH03, LXH04	5 1/2"	**48.00**
Threaded **(each)**	T02, T03, T04	4 1/4"	**102.00**
No-Hub **(each)**	Y02, Y03, Y04	5 1/2"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome **(each)**	**217.00**
-C2	Secondary Flashing Clamp **(each)**	**158.00**
-CIDG	Cast Iron Domes **w/Galvanizing (each)**	**309.00**
-E	Ext, to 4" Per Inch, CI **(each)**	**311.00**
-E04P	4" Perf SS Extension **(each)**	**571.00**
-G	Galvanized CI **(each)**	**320.00**
-RBD	Rough Bronze Dome **(each)**	**409.00**
-SSM	SS Mesh on Metal Dome **(each)**	**468.00**
-U	Vandal Proof Dome **(each)**	**128.00**

A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ IN	†DUCO CI CI DOME	APPROX. WEIGHT LBS
02, 03, 04"	8 1/2"	41.5	**1,335.00**	**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.

FIG. 1850 ROOF DRAIN AND OVERFLOW DRAIN WITH DECK TOP MOUNTING PLATE



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 **(each)**	C02, C03, C04, C05, C06	6"	**102.00**
Speedi-Set® SW **(each)**	L02, L03, L04	6"	**48.00**
Speedi-Set® XH **(each)**	LXH02, LXH03, LXH04	6"	**48.00**
Threaded **(each)**	T02, T03, T04, T05, T06	4 3/4"	**102.00**
No-Hub **(each)**	Y02, Y03, Y04, Y05, Y06	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome **(each)**	**109.00**
-C2	Sec. Flash. Clamp **(each)**	**158.00**
-CIDG	Cast Iron Domes **w/Galvanizing (each)**	**332.00**
-E	Ext, to 4" Per Inch, CI **(each)**	**311.00**
-E04P	4" Perf SS Extension **(each)**	**578.00**
-G	Galvanized CI **(each)**	**320.00**
-RBD	Rough Bronze Dome **(each)**	**510.00**
-SSM	SS Mesh on Metal Dome **(each)**	**598.00**
-U	Vandal Proof Dome **(each)**	**128.00**

A OUTLET SIZE	FLANGE DIA.	FREE AREA SQ IN	†DUCO CI CI DOME	APPROX. WEIGHT LBS
02, 03, 04"	12"	71.5	**1,406.00**	27
05, 06"	12"	71.5	**2,215.00**	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.

†REGULARLY FURNISHED

FIG. 1900 15 1/4" DIAMETER - AREA DRAIN WITH PERFORATED 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:

-C	Underdeck Clamp	POA
-CL	Angular Underdeck Clamp	POA
-G	Galvanized Cast Iron Body & Collar	POA
-R	Sump Receiver	POA
	Gravel Guard & Standpipe Per 1"	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 & Grate	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

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

C	Caulk Outlet	POA
Y	No-Hub 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

FIG. 1909 PLANTER AREA DRAIN FOR MULTI-LEVELS

Outlet Size	†Duco CI
02, 03, 04	**POA**
05, 06	**POA**

C	Caulk Outlet	**POA**
Y	No-Hub 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"	

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**

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"	

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**

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**

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**

ADD FOR:
-AD Aluminum Dome .....**POA**
-AE Adjustable Extension .....**POA**
-C Underdeck Clamp .....**POA**
-CID Cast Iron Dome .....**POA**
-CIDG CI Dome **w/Galvanizing**.....**POA**
-CIS Cast Iron Standpipe .....**POA**
-G Galvanized Cast Iron Body & Collar.....**POA**
-U Vandal Proof Screws .....**POA**

FIG. 1936 PLANTING AREA DRAIN

Outlet Size	†Duco CI
02, 03, 04	**POA**

C Caulk Outlet .....**POA**
Y No-Hub 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**

ADD FOR:
-C Underdeck Clamp .....**POA**
-CID Cast Iron Dome .....**POA**
-CIDG CI 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 .....**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**

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**

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. 2010 (A-Round)

Fig. 2010 (B-Square)

Fig. DX2010 (A-Round)

Fig. DX2010 (B-Square)

Fig. 2015 (A-Round)

Fig. 2016

Fig. 2020 (A-Round)

Fig. 2030 (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

Fig. SQ-2-1717

Fig. SQ-2-2347

Fig. SQ-2-2647

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

*All variation suffixes are to be shown in parenthesis.

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 Speedi-Set® Extra Heavy

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 and for outside areas where rainfall intensity dictates sizing. Drains should be selected with sufficient top size and grate free area to pass the anticipated flow. Grate free area is defined as "the total area of the drainage openings in the grate." The drain outlet should be sized large enough so that it will safely pass the maximum flow through the grate, without creating water buildup.

Sizing and Location - For most indoor locations, the grate free area should be 1 1/2 times the transverse area of the connecting pipe. The number and location of drains are based on the configuration of the floor plan, type of operation and location of equipment. Location and number of floor drains required can be determined only after careful review of the plans and anticipated building use.

Floor drains or area drains, when used to drain exterior areas, should have an open area equal to twice the transverse area of the connecting pipe (Table 1.)

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 is determined based on anticipated flow into the drain, the following points should be considered when making the final selection of the floor drain.

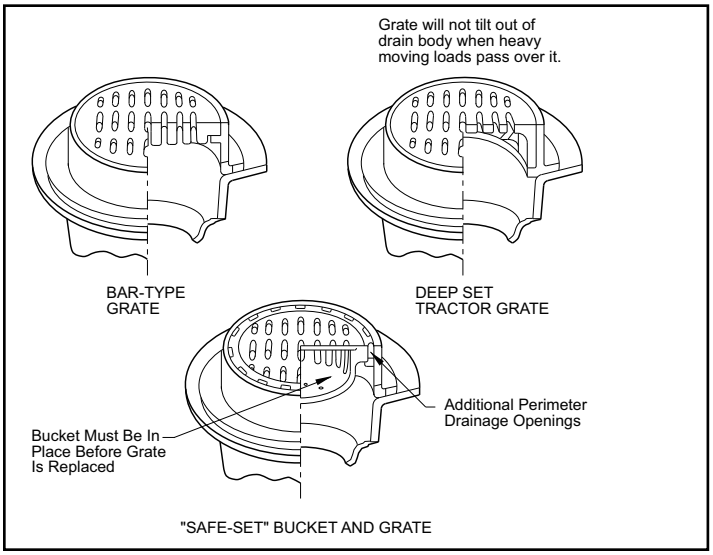
Selection of Top (Based on Anticipated Traffic)-Establish the maximum anticipated traffic (loading) which will pass over the grate and select the grate type which will support that load. Each drain shown in this section has a description listing the type of load it will take. The categories listed are for various drains in respect to grate loading. The load classifications are in accordance with the American National Standards ASME A112.21.1M.
ASME Ratings are as follows:

- *Light Duty* -All grates having safe live load under 2,000 lbs. (900 KG)
- *Medium Duty* -All grates having safe live load between 2,000 lbs. (900 KG) and 4,999 lbs. (2250 KG)
- *Heavy Duty* -All grates having safe live load between 5,000 lbs. (2250 KG) and 7,499 lbs. (3375 KG)
- *Extra Heavy Duty* -All grates having safe live load between 7,500 lbs. (3375 KG) and 10,000 lbs. (4500 KG)

The above categories are given as a guide only. Conditions of use, load concentrations, installations, etc., can affect results and service. For unusual applications, consult the factory.

After the weight loading capacity is established, a suitable drain can be selected.

Illustrated below are various types of grate designs which will be mentioned throughout the catalog.



"SAFE-SET" BUCKET AND GRATE

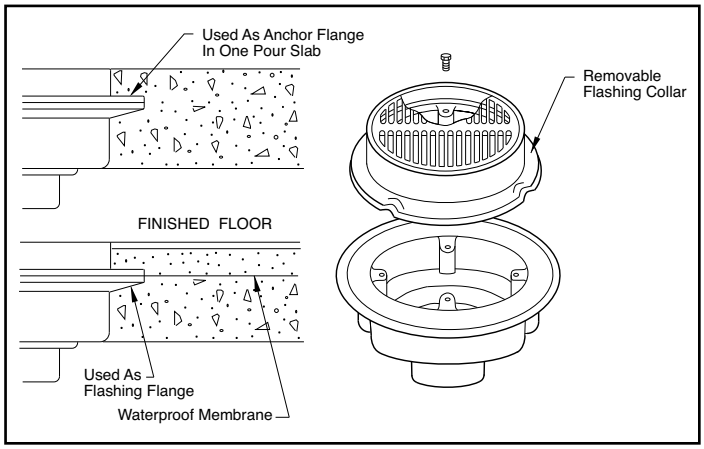
Selection of Top Material-*(Unfinished Areas)*-Drains located in heavy traffic areas should be specified with heavy duty cast iron grates. In areas where shock loads are anticipated, a ductile iron grate should be specified in lieu of the cast iron grate. Cast iron is acceptable for most unfinished areas such as warehouses, loading docks, boiler rooms and similar areas.

(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 can be specified with bronze or nickel bronze veneered tops. (Specify Fig. No. 2120, 2140, 2250, etc.)

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.

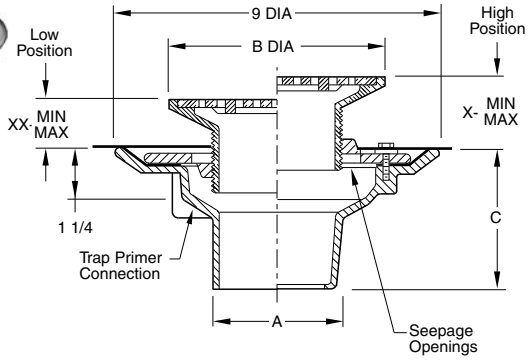


Most floor drain bodies are available with a flange for either anchoring the drain in the floor slab or for use as a flashing flange in upper floors and waterproofed areas. Many Smith drains are regularly furnished with a flanged body and a combination "top flashing collar" which can be used to clamp the waterproof membrane.

NOTE: For additional floor drain technical or application data go to our web site at www.jrsmith.com or contact your local Jay R. Smith Representative.

NOTES

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"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded(2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

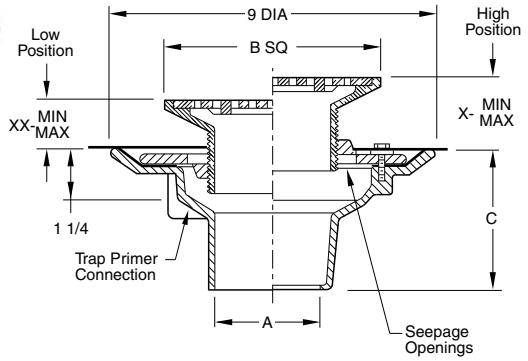
OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-B	Sediment Bucket	94.00
-B	Sediment Bucket when Hinged Grate is Specified	140.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-BFV	Ball Float Backwater Valve	382.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-H	Hinged Grate	254.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
-V	Flapper Backwater Valve	382.00

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"	367.00	367.00	463.00	12
02, 03, 04"	06"	1 1/4"	2 1/4"	3/4"	1 5/8"	472.00	472.00	569.00	13
02, 03, 04"	07"	1 1/4"	2 1/4"	7/8"	1 7/8"	619.00	619.00	661.00	14
02, 03, 04"	08"	1 1/2"	2 1/2"	1"	1 7/8"	837.00	837.00	928.00	15
02, 03, 04"	•09"	1 1/2"	2 3/8"	1"	1 7/8"	1,067.00	1,067.00	1,150.00	18
02, 03, 04"	•10"	1 1/2"	2 3/8"	1"	1 7/8"	1,067.00	1,067.00	1,150.00	21

• 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 Flashing Collar and Adjustable Round Strainer Head.

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"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded (2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-B	Sediment Bucket	94.00
-B	Sediment Bucket when Hinged Grate is Specified	104.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-BFV	Ball Float Backwater Valve	382.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-H	Hinged Grate	254.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
-V	Flapper Backwater Valve	382.00

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"	619.00	678.00	707.00	12
02, 03, 04"	06 x 06"	1 1/4"	2 1/4"	3/4"	1 5/8"	720.00	763.00	792.00	13
02, 03, 04"	07 x 07"	1 1/4"	2 1/4"	7/8"	1 7/8"	862.00	925.00	955.00	14
02, 03, 04"	08 x 08"	1 1/2"	2 1/2"	1"	1 7/8"	1,019.00	1,128.00	1,156.00	15
02, 03, 04"	09 x 09"	1 1/2"	2 3/8"	1"	1 7/8"	1,316.00	1,437.00	1,466.00	18
02, 03, 04"	10 x 10"	1 1/2"	2 3/8"	1"	1 7/8"	1,696.00	1,821.00	1,849.00	21

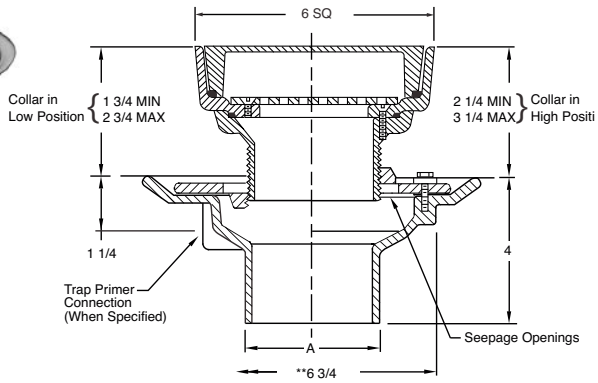
*Collar is reversible to obtain extreme high and low strainer positions.

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Square Strainer Head.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

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



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"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded (2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**
	Y06	4"	**379.00**

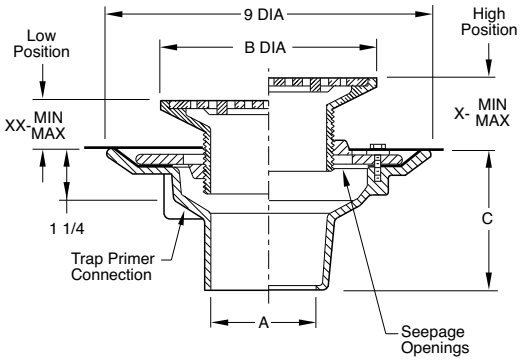
OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	**356.00**
-ARIO	Acid Resistant Inside & Outside	**356.00**
-B	Sediment Bucket	**POA**
-BB	Bronze Body, 02-04"	**1,108.00**
	05-06"	**3,400.00**
-DID	Drain Installation Device	**See Fig. 2038**
-G	Galvanized Body	**183.00**
-GC	Gasketed/Water Tight	**75.00**
-P	Trap Primer Conn	**24.00**
-SEC	Secured Cover	**59.00**
-SS	Secondary Strainer	**57.00**
-U	Vandal Proof Screws	**59.00**

** MIN 6 3/4 hole required for core drilled application.

A OUTLET SIZE	B TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	06 x 06"	**1,177.00**	**1,353.00**	**1,687.00**	11

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Strainer with Hinged Solid Cover.

FIG. 2005 (-C) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND REINFORCED GRATE
FIG. 2010 (-C) FLOOR DRAIN AND ADJ. 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"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded (2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**
	Y06	4"	**379.00**

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	**356.00**
-ARIO	Acid Resistant Inside & Outside	**356.00**
-B	Sediment Bucket	**94.00**
-BB	Bronze Body, 02-04"	**1,108.00**
	05-06"	**3,400.00**
-BFV	Ball Float Backwater Valve	**382.00**
-DID	Drain Installation Device	**See Fig. 2038**
-G	Galvanized Body	**183.00**
-P	Trap Primer Conn	**24.00**
-U	Vandal Proof Screws	**59.00**
-V	Flapper Backwater Valve	**382.00**

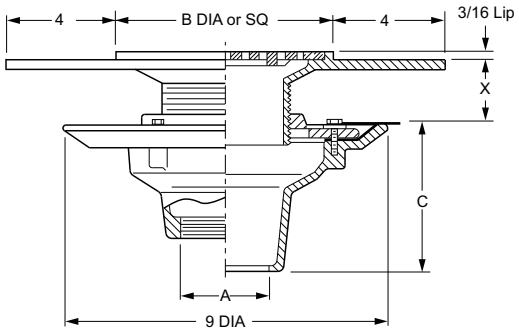
A OUTLET SIZE	B TOP SIZE	X MIN	X MAX	XX MIN	XX MAX	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05"	1 1/4"	2 1/4"	3/4"	1 5/8"	**608.00**	**627.00**	**651.00**	13
02, 03, 04"	06"	1 1/4"	2 1/4"	3/4"	1 5/8"	**670.00**	**722.00**	**757.00**	15
02, 03, 04"	08"	1 1/2"	2 1/2"	1"	1 7/8"	**925.00**	**964.00**	**1,018.00**	17
02, 03, 04"	10"	1 1/2"	2 3/8"	1"	1 7/8"	**1,195.00**	**1,250.00**	**1,338.00**	19

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Strainer with Round Reinforced Grate.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

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



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

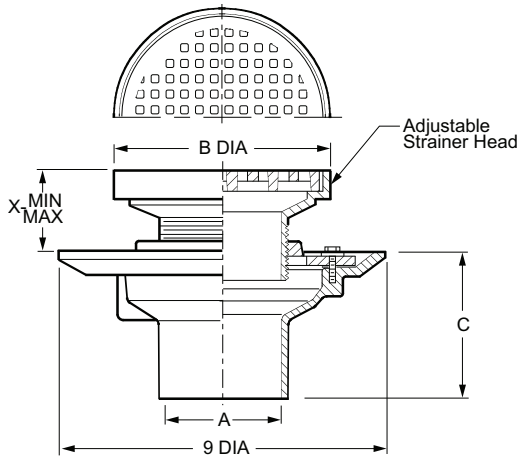
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded (2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,481.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-LWH	Less Weep Holes	N/C
-P	Trap Primer Conn	24.00
-SH	Sec Holes in Flange	111.00
-U	Vandal Proof Screws	44.00

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"	1,079.00	1,103.00	1,164.00	27
02, 03, 04"	06"	1 1/4"	2"	1,221.00	1,270.00	1,381.00	29

REGULARLY FURNISHED: Duco Cast Iron Body, Adjustable Strainer as Indicated by Suffix Letter Selected with 4" Wide Flange and Secondary Flashing Flange.

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"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded (2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-B	Sediment Bucket	94.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-BFV	Ball Float Backwater Valve	480.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized CI Body	183.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
-V	Backwater Valve	480.00

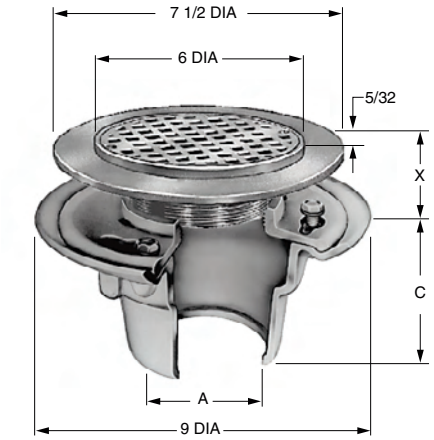
A OUTLET SIZE	STRAINER SUFFIX	B TOP SIZE	X MIN	X MAX	CI TOP	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	D	07"	2 1/4"	3 1/4"	353.00	875.00	915.00	1,098.00	14
02, 03, 04"	E	09"	2 3/4"	3 1/2"	442.00	1,226.00	1,266.00	1,534.00	6

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected. Medium Duty Tractor Grate.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

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.)

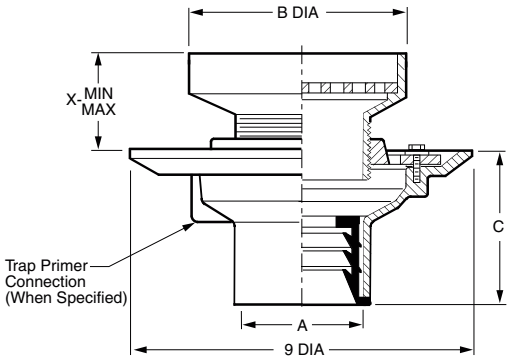
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set® SW (2005)	L02, L03, L04	4"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded(2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-B	Sediment Bucket	94.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-BFV	Ball Float Backwater Valve	382.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-P	Trap Primer Conn	24.00
-SH	Tapped Holes in Flange	111.00
-U	Vandal Proof Screws	44.00
-V	Flapper Backwater Valve	382.00

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	1,667.00	1,747.00	1,822.00	14

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

FIG. 2005 (-F37) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND RECESSED GRATE
FIG. 2010 (-F38) FLOOR DRAIN AND ADJ. STRAINER WITH ROUND RECESSED 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"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded (2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized CI Body	183.00
-GS	Galvanized Body & Strainer	
	F37 (add to CI)	316.00
	F38 (add to CI)	431.00
-P	Trap Primer Conn	24.00

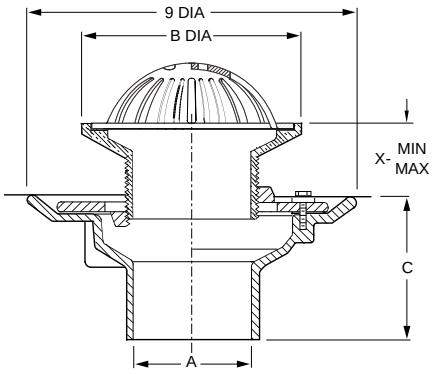
A OUTLET SIZE	STRAINER SUFFIX	B TOP SIZE	X MIN	X MAX	CI TOP	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	F37	07"	2 5/8	3 1/2	485.00	967.00	1,005.00	1,102.00	19
02, 03, 04"	F38	09"	2 3/4	3 1/2	600.00	1,249.00	1,304.00	1,550.00	22

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.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

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 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	**417.00**	**482.00**	**542.00**	11
02, 03, 04"	06"	1 1/4 2 1/4	**475.00**	**553.00**	**614.00**	13
02, 03, 04"	08"	1 1/2 2 1/2	**876.00**	**928.00**	**1,005.00**	16

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Adjustable Low Dome Strainer Head.

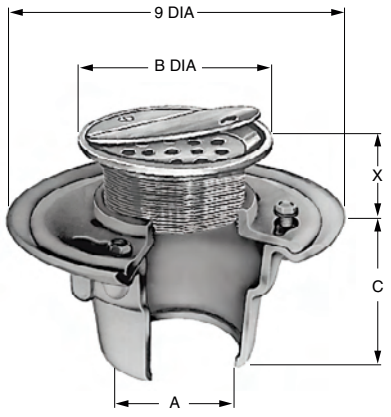
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded(2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**
	Y06	4"	**379.00**

OPTIONS:		ADD
-B	Sediment Bucket	**94.00**
-BB	Bronze Body, 02-04"	**1,108.00**
	05-06"	**3,400.00**
-BFV	Ball Float Backwater Valve	**480.00**
-DID	Drain Installation Device	**See Fig. 2038**
-G	Galvanized Body	**183.00**
-MS	SS Mesh on Dome	**428.00**
-P	Trap Primer Conn	**24.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Type Backwater Valve	**480.00**

FLOOR DRAINS

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 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	**736.00**	**765.00**	**824.00**	13
02, 03, 04"	06"	1 1/4 2 1/4	**1,140.00**	**1,194.00**	**1,253.00**	14
02, 03, 04"	07"	1 1/4 2 1/4	**1,637.00**	**1,717.00**	**1,775.00**	16
02, 03, 04"	08"	1 1/2 2 1/2	**1,660.00**	**1,743.00**	**1,802.00**	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.)

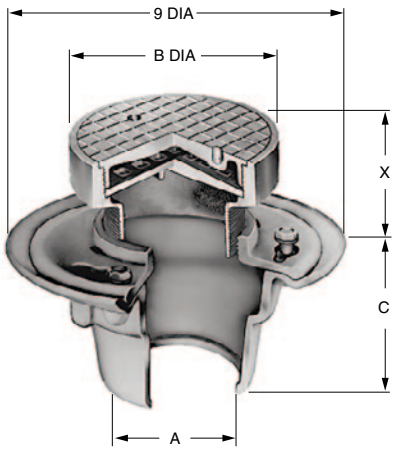
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	**N/C**
Speedi-Set® SW (2005)	L02, L03, L04	4"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded(2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**
	Y06	4"	**379.00**

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	**356.00**
-ARIO	Acid Resistant Inside & Outside	**356.00**
-BB	Bronze Body, 02-04"	**1,108.00**
	05-06"	**3,400.00**
-BFV	Ball Float Backwater Valve	**480.00**
-DID	Drain Installation Device	**See Fig. 2038**
-G	Galvanized Body	**183.00**
-P	Trap Primer Conn	**24.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Type Backwater Valve	**480.00**

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

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 MIN	X MAX	DUCO CI PB TOP	DUCO CI †NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	06"	2	3	**1,278.00**	**1,425.00**	**1,415.00**	19

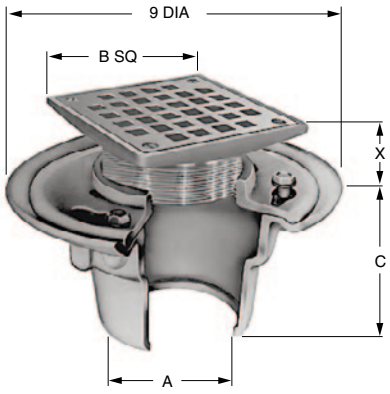
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

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"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded(2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**
	Y06	4"	**379.00**

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	**356.00**
-ARIO	Acid Resistant Inside & Outside	**356.00**
-B	Sediment Bucket	**94.00**
-BB	Bronze Body, 02-04"	**1,108.00**
	05-06"	**3,400.00**
-BFV	Ball Float Backwater Valve	**382.00**
-DID	Drain Installation Device	**See Fig. 2038**
-G	Galvanized Body	**183.00**
-P	Trap Primer Conn	**24.00**
-SC	Smooth Cover	**185.00**
-SW	Spanner Wrench	**147.00**
-V	Flapper Type Backwater Valve	**382.00**

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 MIN	X MAX	DUCO CI PB TOP	DUCO CI †NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	05 x 05"	1 1/4	2 1/4	**638.00**	**682.00**	**737.00**	14
02, 03, 04"	06 x 06"	1 1/4	2 1/4	**757.00**	**800.00**	**858.00**	16
02, 03, 04"	07 x 07"	1 1/4	2 1/4	**871.00**	**915.00**	**984.00**	17
02, 03, 04"	08 x 08"	1 1/2	2 1/2	**1,047.00**	**1,130.00**	**1,226.00**	18

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.)

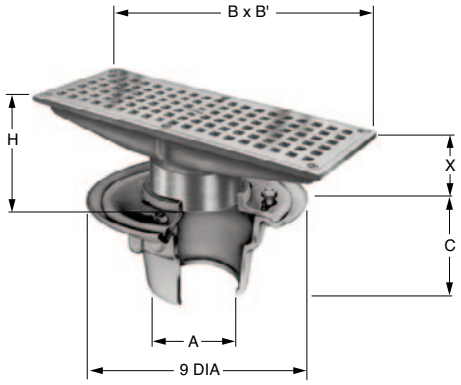
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	**N/C**
Speedi-Set® SW (2005)	L02, L03, L04	4"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded (2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**
	Y06	4"	**379.00**

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	**356.00**
-ARIO	Acid Resistant Inside & Outside	**356.00**
-B	Sediment Bucket	**94.00**
-BB	Bronze Body, 02-04"	**1,108.00**
	05-06"	**3,400.00**
-BFV	Ball Float Backwater Valve	**382.00**
-DID	Drain Installation Device	**See Fig. 2038**
-G	Galvanized Body	**183.00**
-P	Trap Primer Conn	**24.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Type Backwater Valve	**382.00**

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

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.)

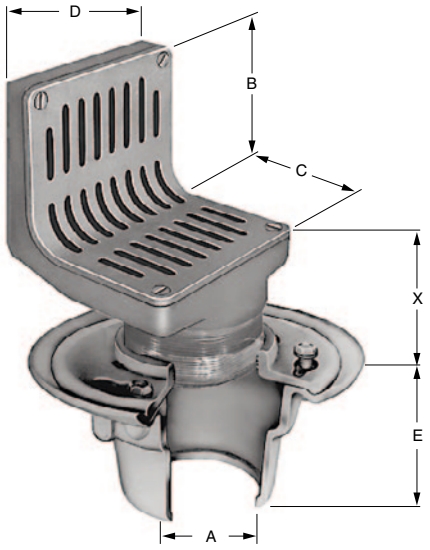
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"C" Body HT. DIM.	ADD
Inside Caulk (2010)	C02, C03, C04	4"	N/C
Speedi-Set ®SW (2005)	L02, L03, L04	4"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded(2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-B	Sediment Bucket	94.00
-B	Sediment Bucket (For use with "L" & "M" Strainers)	140.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-BFV	Ball Float Backwater Valve	382.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
-V	Flapper Backwater Valve	382.00

A OUTLET SIZE	STRAINER SUFFIX	B X B STRAINER SIZE	X MIN	X MAX	H	DUCO CI PB TOP	DUCO CI †NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	L	4 1/4 x 08"	1 3/8"	2 3/8"	2 1/4"	**737.00**	**764.00**	**1,042.00**	17
02, 03, 04"	M	04 x 12"	1 7/8"	2 3/4"	2 1/2"	**1,017.00**	**1,164.00**	**1,260.00**	19
02, 03, 04"	N	05 x 09"	1 3/8"	2 3/8"	2 1/4"	**737.00**	**764.00**	**1,042.00**	21
02, 03, 04"	P	05 x 13"	2 1/8"	3"	3"	**786.00**	**814.00**	**1,420.00**	24
02, 03, 04"	R	06 x 10"	1 3/8"	2 3/8"	2 1/4"	**1,183.00**	**1,307.00**	**1,420.00**	26
02, 03, 04"	T	05 x 17"	2 1/4"	3 1/8"	3"	**1,495.00**	**1,566.00**	**1,596.00**	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"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded(2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00

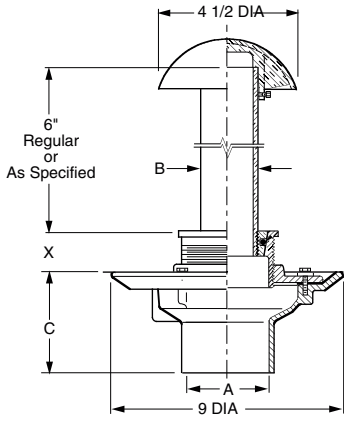
A OUTLET SIZE	STRAINER SUFFIX	B	C	D	X MIN	X MAX	DUCO CI PB TOP	DUCO CI †NB TOP	DUCO CI CP TOP	APPROX. WEIGHT LBS.
02, 03, 04"	V	3 1/2	3 1/2	4 1/2	1 5/8	2 5/8	**864.00**	**904.00**	**1,956.00**	19
02, 03, 04"	W	6 3/4	6 3/4	6 1/2	1 5/8	2 5/8	**1,266.00**	**1,324.00**	**2,443.00**	28

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

FIG. 2005 (-Y) FLOOR DRAIN AND ADJ. STRAINER WITH OVERFLOW STANDPIPE
FIG. 2010 (-Z) FLOOR DRAIN AND ADJ. STRAINER WITH OVERFLOW STANDPIPE



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"	44.00
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	44.00
Threaded(2010)	T02, T03, T04	3"	102.00
No-Hub (2005)	Y02, Y03, Y04	4"	N/C
	Y06	4"	379.00

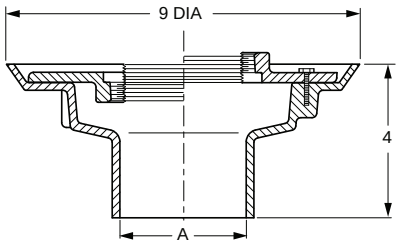
OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-DID	Drain Installation Device	See Fig. 2038
-G	Galvanized Body	183.00
-P	Trap Primer Conn	24.00

-Higher Standpipe, over 6"	PB	NB	CP
Suffix Y, per inch	169.00	235.00	259.00
Suffix Z, per inch	333.00	366.00	402.00

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	1,975.00	2,071.00	2,260.00	18
02, 03, 04"	Z	3	3/4	2 1/8	2,698.00	2,839.00	3,106.00	24

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar, Adjustable Strainer Head as Indicated by Suffix Letter Selected.

FIG. 2005 NO-HUB OUTLET FLOOR DRAIN BODY AND COLLAR ASSEMBLY



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"	44.00
Speedi-Set® XH	LXH02, LXH03, LXH04	4"	44.00
No-Hub	Y02, Y03, Y04, Y05, Y06	4"	N/C
	Y06	4"	379.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-DID	Drain Installation Device	See Fig. 2038
-P050	1/2" Trap Primer Conn	24.00
-P075	3/4" Trap Primer Conn	24.00

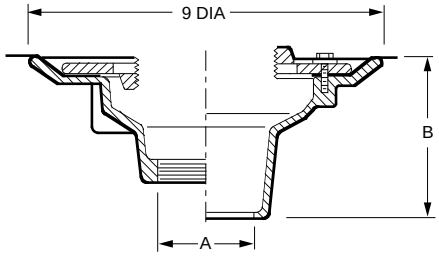
A OUTLET SIZE	COLLAR DIA	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02, 03, 04"	9	169.00	352.00	9
05, 06"	9	480.00	663.00	20

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

When ordering, specify drain body and strainer type, size and finish. Ex. 2005Y04 w/A05NB.

†REGULARLY FURNISHED

FIG. 2010 CAULK OUTLET FLOOR DRAIN BODY AND COLLAR ASSEMBLY



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"	102.00

OPTIONS:		ADD
-ARI	Acid Resistant Inside or Outside	356.00
-ARIO	Acid Resistant Inside & Outside	356.00
-BB	Bronze Body, 02-04"	1,108.00
	05-06"	3,400.00
-P050	1/2" Trap Primer Conn	24.00
-P075	3/4" Trap Primer Conn	24.00

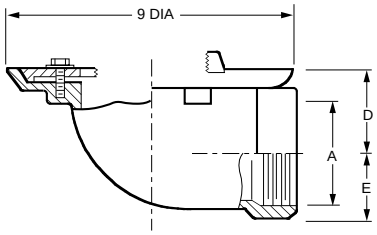
A OUTLET SIZE	COLLAR DIA	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS.
02, 03, 04"	9"	169.00	352.00	9
05, 06"	9"	480.00	663.00	20

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

Note: For body with adjustable strainer head and 4" DIA funnel see Figure 3510-F11.

FLOOR DRAINS

FIG. 2015 SIDE OUTLET FLOOR DRAIN BODY AND COLLAR ASSEMBLY



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	102.00

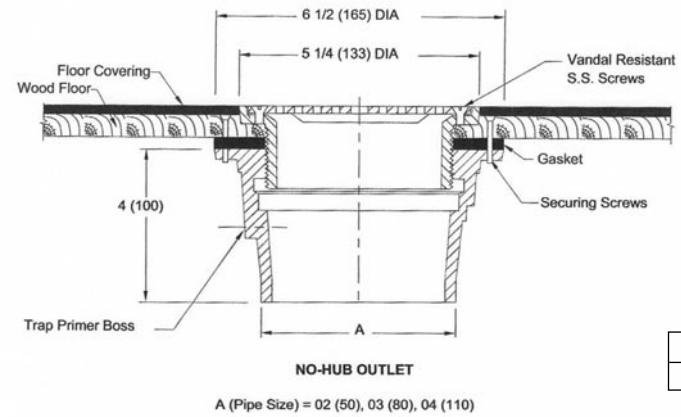
OPTIONS:		ADD
-P050	1/2" Trap Primer Conn	24.00
-P075	3/4" Trap Primer Conn	24.00

A OUTLET SIZE	COLLAR DIA	D	E	†DUCO CI	GALV. CI (-G)	APPROX. WEIGHT LBS.
02"	9"	2 3/4"	1 1/4"	373.00	557.00	12
03"	9"	2 3/4"	2 1/4"	373.00	557.00	12
04"	9"	3 1/4"	3 1/4"	459.00	640.00	13

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

Note: For body with adjustable strainer head and 4" DIA funnel see Fig. 3515-F11.

FIG. 2010-WF-1A-CAN DRAIN FOR WOOD FLOOR

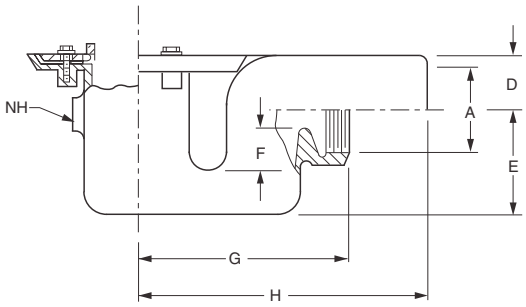


SIZE	DUCO CI	DUCO NB
02, 03, 04"	337.00	371.00

REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Cast Iron Strainer Head and Grate.

†REGULARLY FURNISHED

FIG. 2020 SIDE OUTLET - SHALLOW TRAP FLOOR DRAIN BODY AND COLLAR ASSEMBLY
FIG. 2021 SIDE OUTLET - SHALLOW TRAP FLOOR DRAIN 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 (2021)	S02, S03, S04	N/C
Threaded (2020)	T02, T03, T04	N/C

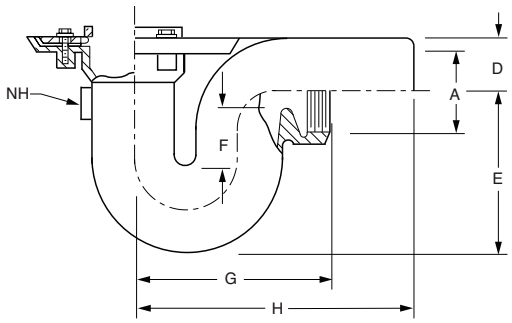
OPTIONS:		ADD
-NH	High Aux Inlet (Specify 1 1/2 or 2")	205.00
-P050	1/2" Trap Primer Conn	24.00
-P075	3/4" Trap Primer Conn	24.00

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"	**904.00**	**1,193.00**	18
03"	2 1/4"	4 1/2"	2"	9"	12 1/4"	**904.00**	**1,193.00**	18
04"	3"	8 1/2"	2 1/2"	10"	12 3/4"	**1,251.00**	**1,540.00**	18

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

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



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 Auxiliary Inlet (Specify 1 1/2 or 2")	205.00
-P050	1/2" Trap Primer Conn	24.00
-P075	3/4" Trap Primer Conn	24.00

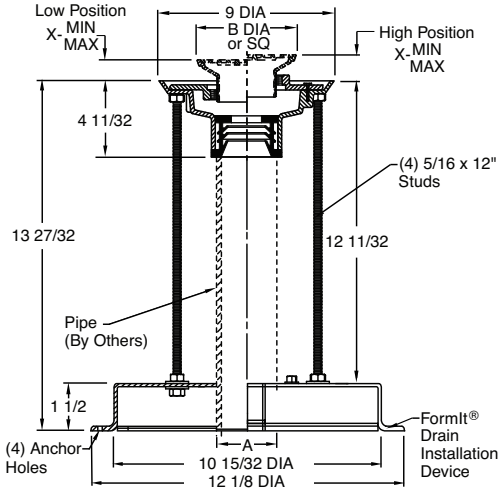
A OUTLET SIZE	D	E	F SEAL	G	H	†DUCO CI	GALV CI (-G)	APPROX WEIGHT LBS.
02"	1 3/4"	5 1/4"	2"	5"	8"	**984.00**	**1,276.00**	18
03"	2"	7"	2 1/4"	8"	10"	**984.00**	**1,276.00**	18
04"	3"	8 1/2"	2 1/2"	10"	12"	**1,381.00**	**1,671.00**	18

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

NOTE: For body with adjustable strainer head and 4" DIA funnel see Fig. 3530-F11, 3531-F11.

†REGULARLY FURNISHED

FIG. 2038 FORMIT® DRAIN INSTALLATION DEVICE FOR SHOWER DRAINS



OUTLET SIZE	**BODY W/DRAIN INSTALLATION DEVICE
02"	**373.00**
03"	**373.00**
04"	**373.00**

****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"	**44.00**
Speedi-Set® XH (2005)	LXH02, LXH03, LXH04	4"	**44.00**
Threaded(2010)	T02, T03, T04	3"	**102.00**
No-Hub (2005)	Y02, Y03, Y04	4"	**N/C**

OPTIONS:		ADD
-P050	1/2" Trap Primer Conn	**24.00**
-P075	3/4" Trap Primer Conn	**24.00**

For all other options, see Strainer Head Specified

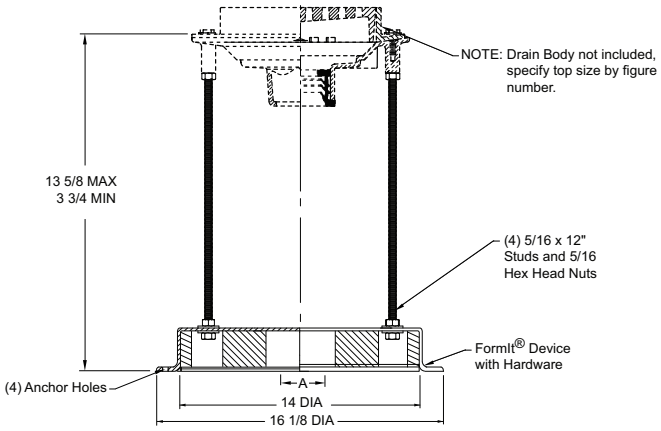
STRAINER SIZE B	*COLLAR IN HIGH POSITION X		*COLLAR IN LOW POSITION X		FREE AREA SQ IN	
DIA OR SQ	MIN	MAX	MIN	MAX	ROUND	SQUARE
05"	1 1/4"	2 1/4"	3/4"	1 5/8"	7	6.5
06"	1 1/4"	2 1/4"	3/4"	1 5/8"	9	12.5
07"	1 1/4"	2 1/4"	7/8"	1 7/8"	14	11
08"	1 1/2"	2 1/2"	1"	1 7/8"	17	14
•09"	1 1/2"	2 3/8"	1"	1 7/8"	18	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 154 to 161.

FIG. 2039-DID FORMIT® DRAIN INSTALLATION DEVICE FOR 8 1/2" & 12" DIA TOP CAST IRON FLOOR DRAINS

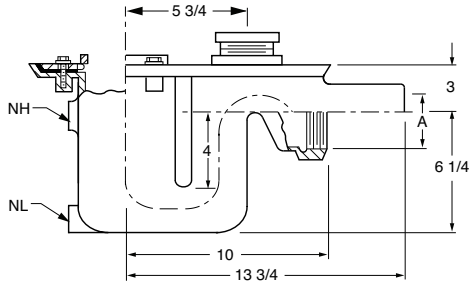


NOTE: For use with the following floor drains: 2110, 2120, 2220, 2310, 2320, 2350 and 2360. Refer to appropriate figure number for price.

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



A OUTLET SIZE	†DUCO CI	GALV CI -(G)	APPROX WEIGHT LBS.
02, 03, 04"	**2,916.00**	**3,353.00**	12

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar.

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

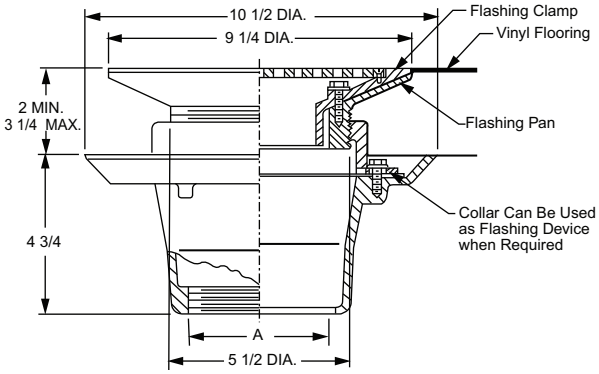
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot (2041)	S02, S03, S04	**N/C**
Threaded (2040)	T02, T03, T04	**N/C**

OPTIONS:		ADD
-NH	High Auxiliary Inlet (Specify 1 1/2 or 2")	**205.00**
-NL	Low Auxiliary Inlet (Specify 1 1/2 or 2")	**205.00**
-P050	1/2" Trap Primer Conn	**24.00**
-P075	3/4" Trap Primer Conn	**24.00**

NOTE: For body with adjustable strainer head and 4" DIA funnel see Fig. 3540-F11, 3541-F11.

†REGULARLY FURNISHED

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	**1,183.00**	27
03"	9 1/4"	15	**1,183.00**	27
04"	9 1/4"	15	**1,183.00**	27

REGULARLY FURNISHED: Duco Cast Iron Body with Flashing Collar and Nickel Bronze Adjustable Strainer.

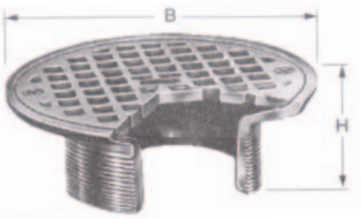
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02*, C03, C04	**N/C**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**
Threaded	T02, T03, T04	**102.00**

OPTIONS:		ADD
-CP	Chrome Plated Top	**197.00**
-G	Galvanized Body	**183.00**
-P050	1/2" Trap Primer Conn	**24.00**
-P075	3/4" Trap Primer Conn	**24.00**
-R	Sump Receiver	**273.00**
-U	Vandal Proof Screws	**44.00**
		DEDUCT
-PB	Polished Bronze Top	**N/C**

*2" Inside Caulk Outlet only available by using 3" Inside Caulk Outlet with Caulk Reducer.

SUFFIX A - ADJUSTABLE STRAINER WITH ROUND GRATE



B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05"	2"	**198.00**	**198.00**	**293.00**	3
06"	2"	**302.00**	**302.00**	**399.00**	4
07"	2 1/4"	**450.00**	**450.00**	**492.00**	5
08"	2 1/2"	**668.00**	**668.00**	**759.00**	6
09"	2 1/2"	**837.00**	**890.00**	**981.00**	9
10"	2 3/4"	**837.00**	**890.00**	**981.00**	12

REGULARLY FURNISHED: Adjustable Round Strainer with Secured Grate.

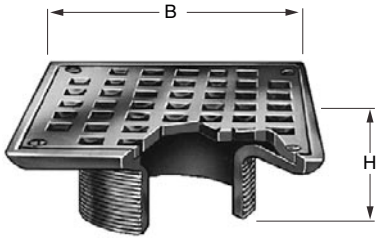
OPTIONS:		ADD
-B	Sediment Bucket	**94.00**
-B	Sediment Bucket when Hinged Grate is Specified	**140.00**
-BFV	Ball Float Backwater Valve	**382.00**
-H	Hinged Grate (6, 7 and 8" only)	**254.00**
-HP	Heel Proof Grate	**N/C**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**382.00**

List price for complete strainer & grate

A05NBSS	5" NB Strainer w/SS Top	**1,100.00**
A06NBSS	6" NB Strainer w/SS Top	**1,116.00**

†REGULARLY FURNISHED

SUFFIX B - ADJUSTABLE STRAINER WITH SQUARE GRATE



B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05 x 05"	2"	**450.00**	**508.00**	**538.00**	2
06 x 06"	2"	**551.00**	**594.00**	**623.00**	3
07 x 07"	2 1/4"	**693.00**	**756.00**	**785.00**	5
08 x 08"	2 1/2"	**850.00**	**959.00**	**987.00**	7
09 x 09"	2 1/4"	**1,147.00**	**1,268.00**	**1,297.00**	8
10 x 10"	2 1/4"	**1,527.00**	**1,652.00**	**1,680.00**	12

REGULARLY FURNISHED: Adjustable Square Strainer with Secured Grate.

OPTIONS:		ADD
-B	Sediment Bucket	**94.00**
-B	Sediment Bucket when Hinged Grate is Specified	**140.00**
-BFV	Ball Float Backwater Valve	**382.00**
-H	Hinged Grate	**254.00**
-HP	Heelproof Grate	**N/C**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**382.00**

List price for complete strainer & grate

B05NBSS	5" NB Strainer w/SS Top	**1,241.00**
B06NBSS	6" NB Strainer w/SS Top	**1,292.00**

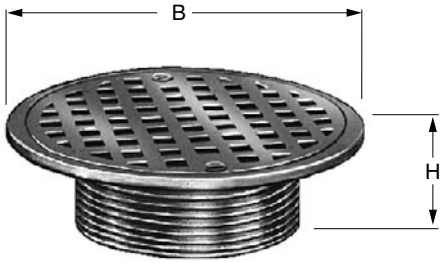
SUFFIX BS - ADJUSTABLE STRAINER WITH SQUARE HINGED SOLID COVER

TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
06 x 06"	**1,008.00**	**1,184.00**	**1,518.00**	4

REGULARLY FURNISHED: Adjustable Square Strainer with Solid Hinged Cover.

OPTIONS:		ADD
-B	Sediment Bucket	**123.00**
-GC	Gasketed Water Tight	**75.00**
-SEC	Secured Cover	**59.00**
-SG	Secondary Strainer	**57.00**
-U	Vandal Proof Screws	**59.00**

SUFFIX C - ADJUSTABLE STRAINER WITH ROUND REINFORCED GRATE



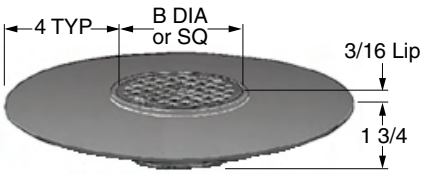
B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05"	2"	**439.00**	**458.00**	**482.00**	4
06"	2"	**501.00**	**553.00**	**588.00**	6
08"	2 1/2"	**756.00**	**795.00**	**849.00**	8
10"	2 3/4"	**1,026.00**	**1,081.00**	**1,169.00**	10

REGULARLY FURNISHED: Adjustable Round Strainer with Reinforced Secured Grate.

OPTIONS:		ADD
-B	Sediment Bucket	**94.00**
-BFV	Ball Float Backwater Valve	**382.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**382.00**

†REGULARLY FURNISHED

SUFFIX DXA - ADJUSTABLE WIDE FLANGE STRAINER WITH ROUND GRATE
SUFFIX DXB - ADJUSTABLE WIDE FLANGE STRAINER WITH SQUARE GRATE



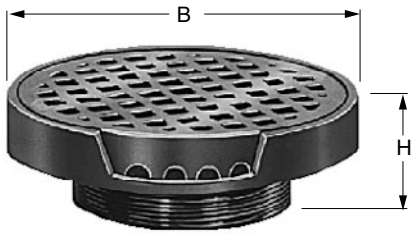
OPTIONS: **ADD**

-B	Sediment Bucket	**94.00**
-LWH	Less Weep Holes (Specify Reversible Collar Less Weep Holes)	**N/C**
-SH	Securing Holes in Flange	**111.00**
-U	Vandal Proof Screws	**44.00**

B TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05"	**909.00**	**934.00**	**995.00**	18
06"	**1,052.00**	**1,101.00**	**1,212.00**	20

REGULARLY FURNISHED:
Adjustable Wide Flange Strainer with Round (A) or Square (B) Secured Grate.

SUFFIX D, E - ADJUSTABLE STRAINER WITH ROUND REINFORCED TRACTOR GRATE



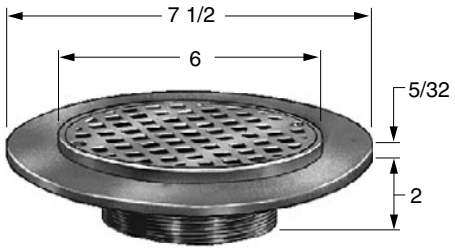
OPTIONS: **ADD**

-B	Sediment Bucket	**94.00**
-BFV	Ball Float Backwater Valve	**382.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**480.00**

STRAINER SUFFIX	B TOP SIZE	H	†DUCO CI	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS
D	07"	3 1/4"	**184.00**	**706.00**	**746.00**	**928.00**	10
E	09"	3 1/2"	**273.00**	**1,057.00**	**1,097.00**	**1,365.00**	13

REGULARLY FURNISHED: Adjustable Strainer with Round Reinforced Tractor Grate.

SUFFIX F - ADJUSTABLE TILE FLANGE STRAINER WITH ROUND GRATE



OPTIONS: **ADD**

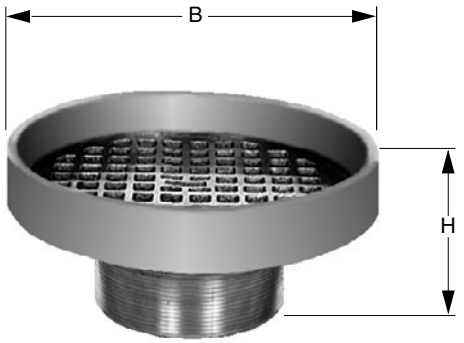
-B	Sediment Bucket	**94.00**
-BFV	Ball Float Backwater Valve	**382.00**
-SH	Tapped Holes in Flange	**111.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**382.00**

TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
6"	**1,496.00**	**1,578.00**	**1,653.00**	5

REGULARLY FURNISHED:
Adjustable Tile Flange Strainer with Round Secured Grate.

†REGULARLY FURNISHED

SUFFIX F37, F38 - ADJUSTABLE STRAINER WITH ROUND RECESSED GRATE



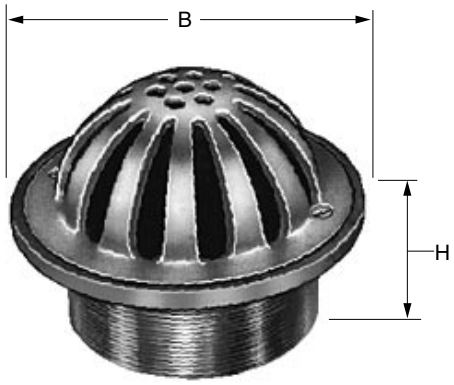
STRAINER SUFFIX	B TOP SIZE	H	†DUCO CI	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS
F37	07"	3 1/4"	**316.00**	**797.00**	**836.00**	**933.00**	10
F38	09"	3 1/2"	**431.00**	**1,080.00**	**1,135.00**	**1,381.00**	13

REGULARLY FURNISHED: Adjustable Round Strainer with Anti-Flood Rim and Grate.

OPTIONS: **ADD**

-B	Sediment Bucket	**94.00**
-G	Galvanized, F37 (add to CI)	**130.00**
-G	Galvanized, F38 (add to CI)	**304.00**
-U	Vandal Proof Screws	**44.00**

SUFFIX G - ADJUSTABLE STRAINER WITH ROUND LOW DOME GRATE



B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05"	2"	**248.00**	**312.00**	**373.00**	3
06"	2"	**305.00**	**384.00**	**445.00**	4
08"	2 1/2"	**707.00**	**759.00**	**836.00**	7

REGULARLY FURNISHED: Adjustable Round Strainer with Secured Dome Grate.

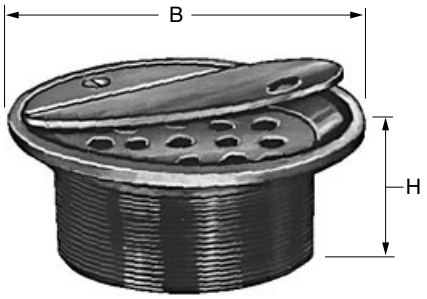
OPTIONS: **ADD**

-B	Sediment Bucket	**94.00**
-BFV	Ball Float Backwater Valve	**382.00**
-MS	SS Mesh on Dome	**321.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**480.00**

†REGULARLY FURNISHED

SUFFIX H - ADJUSTABLE STRAINER WITH ROUND SOLID HINGED COVER

OPTIONS:		ADD
-BFV	Ball Float Backwater Valve	382.00
-U	Vandal Proof Screws	44.00
-V	Flapper Backwater Valve	480.00

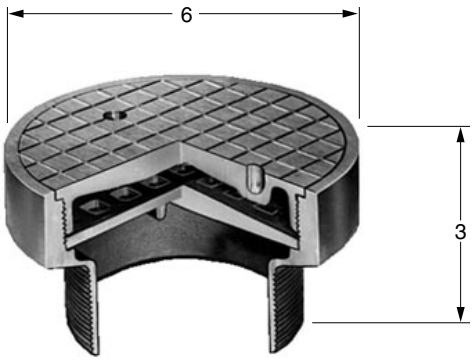


B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05"	2"	568.00	596.00	655.00	4
06"	2"	971.00	1,025.00	1,084.00	5
07"	2 1/4"	1,468.00	1,548.00	1,606.00	6
08"	2 1/2"	1,491.00	1,574.00	1,633.00	7

REGULARLY FURNISHED: Adjustable Round Strainer with Hinged Solid Cover and Secondary Strainer.

SUFFIX J - ADJUSTABLE STRAINER WITH ROUND SPANNER WRENCH COVER

OPTIONS:		ADD
-BFV	Ball Float Backwater Valve	382.00
-SC	Smooth Cover	185.00
-SW	Spanner Wrench	147.00
-V	Flapper Backwater Valve	382.00



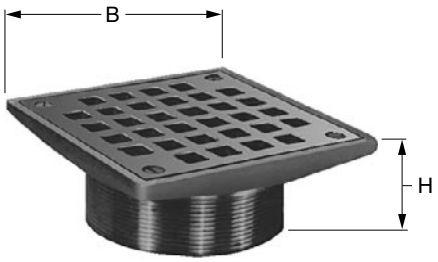
TOP SIZE	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
06"	1,109.00	1,256.00	1,245.00	6

REGULARLY FURNISHED:
Adjustable Round Strainer with Spanner Wrench Cover and Secondary Strainer.

†REGULARLY FURNISHED

SUFFIX K - ADJUSTABLE STRAINER WITH SQUARE REINFORCED GRATE

OPTIONS:		ADD
-B	Sediment Bucket	**94.00**
-BFV	Ball Float Backwater Valve	**382.00**
-U	Vandal Proof Screws	**44.00**
-V	Flapper Backwater Valve	**382.00**

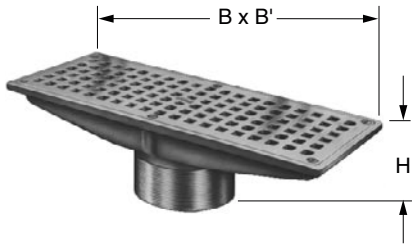


B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
05 x 05"	2"	**469.00**	**513.00**	**568.00**	5
06 x 06"	2"	**588.00**	**631.00**	**689.00**	7
07 x 07"	2 1/4"	**702.00**	**746.00**	**815.00**	8
08 x 08"	2 1/2"	**878.00**	**961.00**	**1,057.00**	9

REGULARLY FURNISHED: Adjustable Square Strainer with Reinforced Secured Grate

SUFFIX L, M, N, P, R, T - ADJUSTABLE STRAINER WITH RECTANGULAR GRATE

OPTIONS:		ADD
-B	Sediment Bucket	**94.00**
-B	Sediment Bucket (For use with "L" & "M" Strainers)	**140.00**
-U	Vandal Proof Top	**44.00**



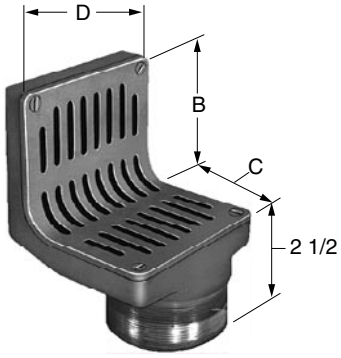
STRAINER SUFFIX	B x B TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
L	4 1/2 x 8"	2 1/4"	**568.00**	**595.00**	**872.00**	8
M	4 x 12"	2 1/2"	**848.00**	**995.00**	**1,091.00**	10
N	5 x 9"	2 1/4"	**568.00**	**595.00**	**872.00**	12
P	5 x 13"	3"	**617.00**	**645.00**	**1,251.00**	15
R	6 x 10"	2 1/4"	**1,014.00**	**1,138.00**	**1,251.00**	17
T	5 x 17"	3"	**1,326.00**	**1,397.00**	**1,427.00**	20

REGULARLY FURNISHED: Adjustable Rectangular Strainer with Secured Grate.

†REGULARLY FURNISHED

SUFFIX V, W - ADJUSTABLE STRAINER WITH ANGLE GRATE

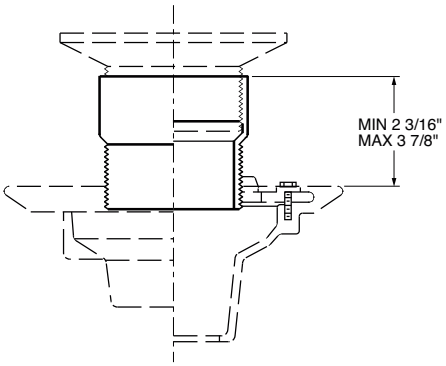
OPTIONS: **ADD**
-U Vandal Proof Top **44.00**



STRAINER SUFFIX	TOP SIZE B	C	D	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
V	3 1/2"	3 1/2"	4 1/2"	**694.00**	**735.00**	**1,786.00**	10
W	6 3/4"	6 3/4"	6 1/2"	**1,096.00**	**1,155.00**	**2,274.00**	19

REGULARLY FURNISHED: Adjustable Angle Strainer with Secured Grate.

SUFFIX X - ADJUSTABLE STRAINER EXTENSION ADAPTOR



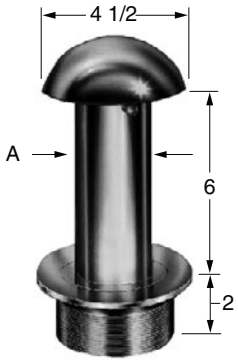
†DUCO CI (2010X)	GALV CI (2010XG)	CAST BRONZE (2010XCB)	APPROX. WEIGHT LBS
103.00	**211.00**	**582.00**	5

REGULARLY FURNISHED:
Duco Cast Iron Adjustable Extension Adaptor.

NOTE: Extensions can be stacked for increased maximum adjustment.

†REGULARLY FURNISHED

SUFFIX Y, Z - ADJUSTABLE OVERFLOW STRAINER WITH STANDPIPE



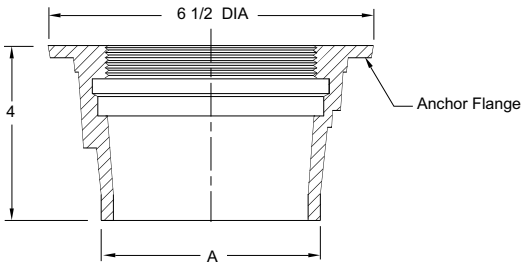
STRAINER SUFFIX	STANDPIPE A DIA	STANDPIPE HEIGHT	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
Y	2"	6"	**1,805.00**	**1,902.00**	**2,091.00**	9
Z	3"	6"	**2,529.00**	**2,670.00**	**2,937.00**	15

REGULARLY FURNISHED: Adjustable Overflow Strainer with Standpipe and Dome.

OPTIONS:

	PB	NB	CP
-Higher Standpipe, over 6"			**ADD**
Suffix Y, per inch	**167.00**	**235.00**	**259.00**
Suffix Z, per inch	**333.00**	**366.00**	**402.00**

SQ-4-1753Y BODY ONLY NON MEMBRANE



A Pipe size	Body Height	Body Only	Weight Lbs.
02, 03, 04"	4"	**78.00**	**4**

Contact your local rep for Submittal or visit www.jrsmith.com/canada

OPTIONS:

		ADD
-B	Sediment Bucket	**94.00**
-BFV	Ball Float Backwater Valve	**84.00**
-U	Vandal Proof Grate	**40.00**
-V	Flapper Type Backwater Valve	**355.00**

Available Strainers

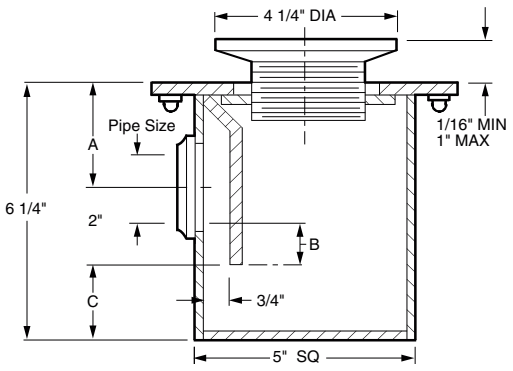
A05M-4	(5" Round DI HD)	**134.00**
A05NB-4	(5" Round NB)	**189.00**
A06NB-4	(6" Round NB)	**292.00**
A05NB-4HD	(5" Round HD NB)	**307.00**

Available Tops

210-10	5 3/4" Adj. Rnd CI Strainer Head (Light Duty)	**102.00**
210-11	5 3/4" Adj. Rnd CI Strainer w/DI Grate (Med. Duty)	**134.00**
210-12	5" Adj. Rnd NB Strainer (Light Duty)	**189.00**
210-13	5" Adj. Square NB Strainer (Light Duty)	**270.00**
210-14	5" Adj. Rnd NB Strainer (Light Duty)	**292.00**
210-15	5" Adj. Square NB Strainer (Light Duty)	**405.00**

†REGULARLY FURNISHED

FIG. 2016 PENAL USE VANDAL PROOF SHOWER DRAIN



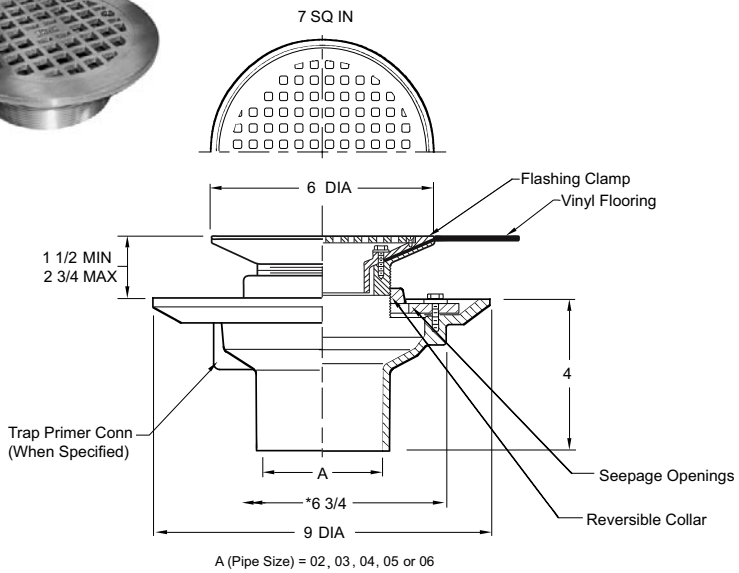
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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. 2051 SURFACE FLOOR DRAINS VINYL FLOORS



A (Pipe Size) = 02, 03, 04, 05 or 06

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
-B	Bucket	**94.00**
-G	Galvanized Body	**183.00**
-P	Trap Primer 1/2"	**24.00**
-SP	Seal Plug	**N/C**
-U	Vandal Proof	**44.00**

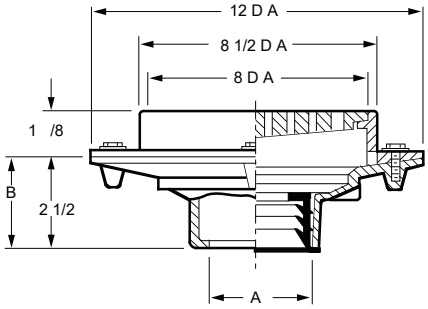
REGULARLY FURNISHED: Duco Cast Iron Body with Integral Trap and 1" NPT Plug and Flashing Collar and Satin Nickel Bronze Adjustable Strainer Head as Indicated by Suffix Letter Selected.

*MIN 6 3/4" hole required for core drilled application.

SIZE	TOP	PB	†NB	CP
02, 03, 04"	6"	**846.00**	**719.00**	**813.00**

†REGULARLY FURNISHED

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	**606.00**	**1,129.00**	**1,257.00**	24
05, 06"	8 1/2"	14.25	**766.00**	**1,252.00**	**1,313.00**	30

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Bar Grate.

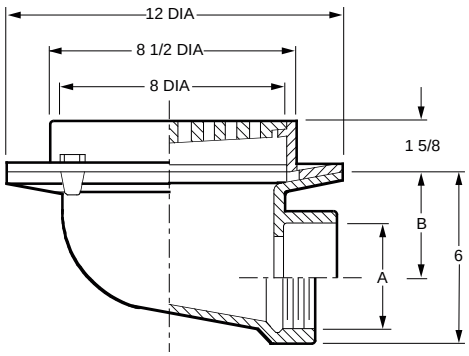
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C06	3 3/4"	**N/C**
Speedi-Set® SW	L02, L03, L04	3 3/4"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	**44.00**
Threaded	T02, T03, T04, T05, T06	2"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	3 3/4"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**156.00**
-BG	Galv Sediment Bucket	**211.00**
-D	Dome Grate, CI	**140.00**
-DG	Deflector Grate (CI)	**224.00**
-DID*	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-FBS	Alum Flat Bottom Strainer	**60.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**577.00**
-P	Trap Primer Conn***	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**
-XP	Closure Plug, 02, 03"	**358.00**
	04"	**603.00**
	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"	**1,221.00**	**1,707.00**	**1,763.00**	33
03"	8 1/2"	14.25	3 3/4"	**1,221.00**	**1,707.00**	**1,763.00**	33
04"	8 1/2"	14.25	3 1/4"	**1,221.00**	**1,707.00**	**1,763.00**	33

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Bar Grate.

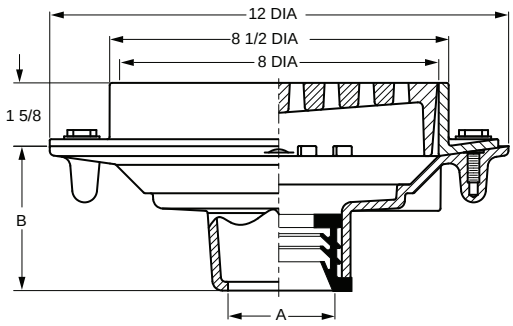
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
No-Hub			**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-B	Sediment Bucket	**156.00**
-BG	Galv Sediment Bucket	**211.00**
-D	Dome Grate, CI	**140.00**
-DG	Deflector Grate (CI)	**224.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB oPB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

FIG. 2120 HEAVY 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	**754.00**	**1,263.00**	**1,375.00**	21

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate.

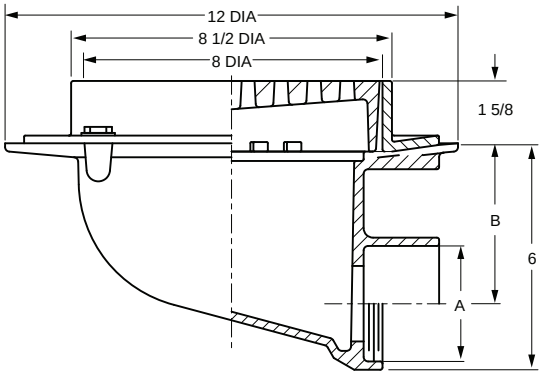
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	**N/C**
Speedi-Set® SW	L02, L03, L04	3 3/4"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	**44.00**
Threaded	T02, T03, T04	2"	**102.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**156.00**
-BG	Galv Sediment Bucket	**211.00**
-DID*	Drain Installation Device	**188.00**
-FBS	Alum Flat Bottom Strainer	**54.00**
-G	Galvanized CI	**442.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn**	**184.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**139.00**
-SNB	Square Top, add to CI	**488.00**
-SPB	Square Top, add to CI	**564.00**
-U	Vandal Proof Grate	**186.00**
-XP	Closure Plug, 02", 03"	**358.00**
	04"	**603.00**

*Requires body modifications. Must be shipped complete w/drain from the factory.
**Not available on 2120T Threaded Option.

FIG. 2125 HEAVY 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"	**1,142.00**	**1,636.00**	**1,763.00**	21
03"	8 1/2"	13	3 3/4"	**1,142.00**	**1,636.00**	**1,763.00**	21
04"	8 1/2"	13	3 1/4"	**1,142.00**	**1,636.00**	**1,763.00**	21

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate.

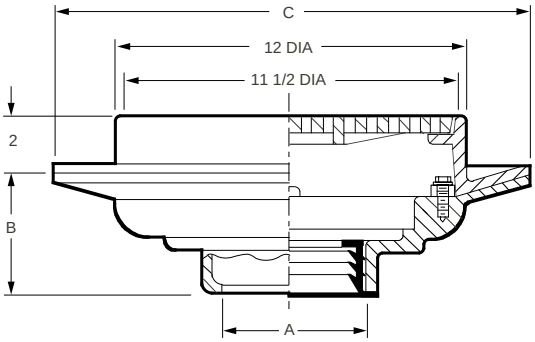
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	**N/C**
Threaded	T02, T03, T04, T05, T06	**102.00**
No-Hub	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-B	Sediment Bucket	**156.00**
-BG	Galv Sediment Bucket	**211.00**
-G	Galvanized CI	**442.00**
-M	Ductile Iron Grate	**217.00**
-P	Trap Primer Conn	**184.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**328.00**
-SNB	Square Top, add to CI	**678.00**
-SPB	Square Top, add to CI	**767.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

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"	**961.00**	**1,556.00**	**1,651.00**	45
05, 06"	12"	28.5	16"	**961.00**	**1,556.00**	**1,651.00**	45

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"	**85.00**
No-Hub	Not Available		**Specify Fig. 2131**

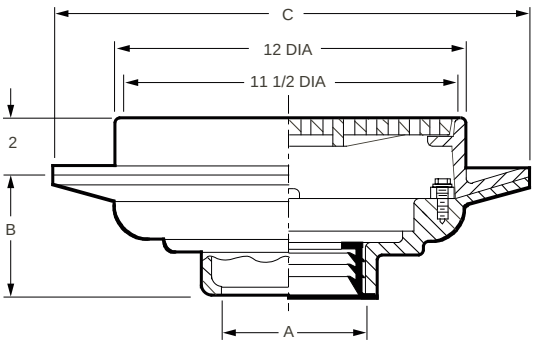
OPTIONS:		ADD
-B	Sediment Bucket (Caulk & Threaded)	**235.00**
-D	Dome Grate, CI	**127.00**
-DG	Deflector Grate (CI)	**366.00**
-DID	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**1,136.00**
-DPB	Dome Grate, add to CI	**977.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-FP	Frost Proof Bucket	**274.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**186.00**

NOTE: Trap Primer not available, specify 2131.

FLOOR DRAINS

FIG. 2131 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP

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"	**1,167.00**	**1,763.00**	**1,858.00**	55
05, 06"	12"	28.5	15 1/4"	**1,167.00**	**1,763.00**	**1,858.00**	55

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Slotted ADA Grate.

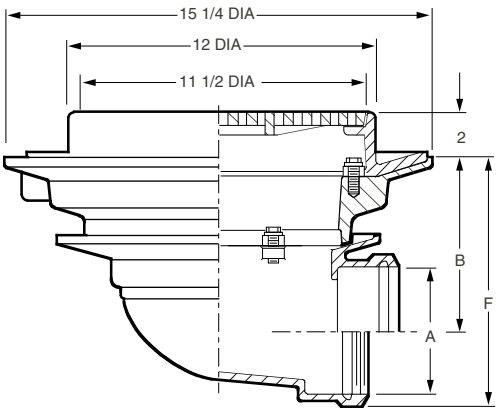
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**N/C**
Speedi-Set® SW	L02, L03, L04	5"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**44.00**
Threaded	T02, T03, T04	3 3/4"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**235.00**
-D	Dome Grate, CI	**127.00**
-DG	Deflector Grate (CI)	**366.00**
-DID	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**1,136.00**
-DPB	Dome Grate, add to CI	**977.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-FP	Frost Proof Bucket	**274.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

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"	**1,562.00**	**2,158.00**	**2,252.00**	51
03"	12"	28.5	6 3/8"	**1,562.00**	**2,158.00**	**2,252.00**	51
04"	12"	28.5	5 7/8"	**1,562.00**	**2,158.00**	**2,252.00**	51
05"	12"	28.5	5"	**1,562.00**	**2,158.00**	**2,252.00**	51
06"	12"	28.5	4 1/2"	**1,562.00**	**2,158.00**	**2,252.00**	51

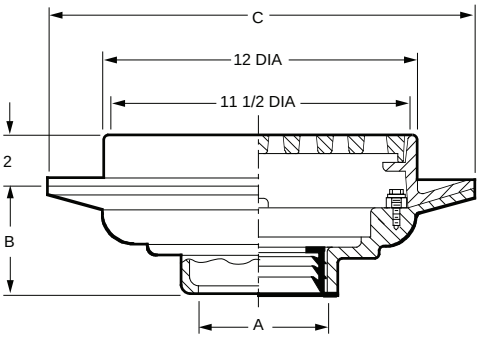
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Slotted ADA Grate.

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
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**	

OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-B	Sediment Bucket	**268.00**
-D	Dome Grate, CI	**127.00**
-DG	Deflector Grate	**366.00**
-DNB	Dome Grate, add to CI	**1,136.00**
-DPB	Dome Grate, add to CI	**977.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Connection	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

FIG. 2140 HEAVY 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"	**801.00**	**1,592.00**	**1,640.00**	45
05, 06"	12"	29	15 1/4"	**801.00**	**1,592.00**	**1,640.00**	47

*Dimension is 16 for Caulk outlet

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	"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"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

Speedi-Set® Outlet, refer to 2141.

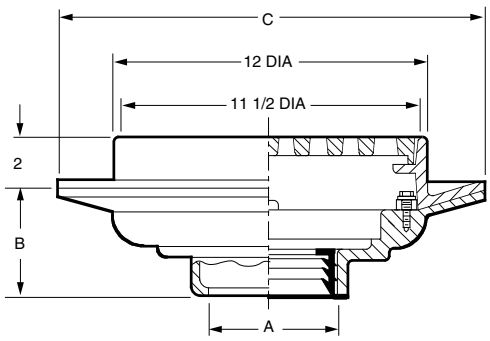
OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-B	Sediment Bucket	**258.00**
-DG	Deflector Grate	**366.00**
-DID*	Drain Installation Device	**188.00**
-FBSCI	Flat Bottom Strainer, CI	**102.00**
-G	Galvanized CI	**356.00**
-M	Ductile Iron Grate	**635.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**458.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,408.00**
-SPB	Square Top, add to CI	**1,360.00**
-U	Vandal Proof Grate	**143.00**

*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.

FIG. 2141 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE

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"	**820.00**	**1,121.00**	**1,155.00**	90
05, 06"	12"	28.5	15 1/4"	**1,029.00**	**1,351.00**	**1,390.00**	93

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate.

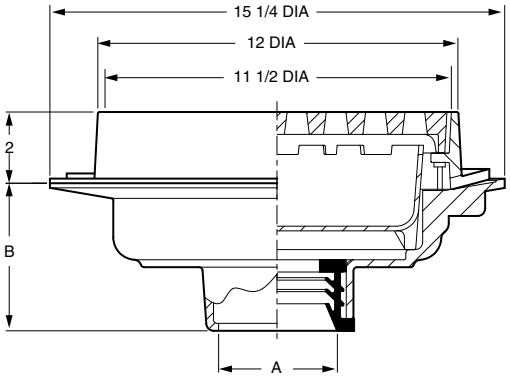
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**N/C**
Speedi-Set® SW	L02, L03, L04	5"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**44.00**
Threaded	T02, T03, T04	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-B	Sediment Bucket	**Specify Fig. 2142**
-DG	Deflector Grate	**366.00**
-DID	Drain Installation Device	**188.00**
-FBSCI	Flat Bottom Strainer, CI	**102.00**
-FP	Bucket w/Seepage Holes	**336.00**
-G	Galvanized CI	**337.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**184.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**458.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,010.00**
-SPB	Square Top, add to CI	**889.00**
-U	Vandal Proof Grate	**186.00**

FLOOR DRAINS

FIG. 2142 HEAVY 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	**1,576.00**	**2,176.00**	**2,265.00**	60
05, 06"	12"	29	**1,576.00**	**2,176.00**	**2,265.00**	62

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Solid Free Standing Sediment Bucket.

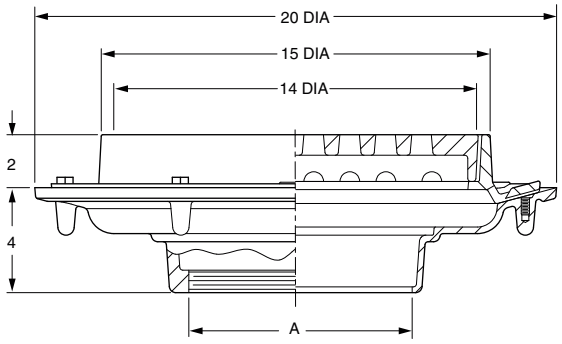
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**N/C**
Speedi-Set® SW	L02, L03, L04	5"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**44.00**
Threaded	T02, T03, T04	3 3/4"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-DG	Deflector Grate	**366.00**
-DID	Drain Installation Device	**188.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-FP	Seepage Holes in Bucket	**336.00**
-G	Galvanized CI	**887.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

†REGULARLY FURNISHED

FIG. 2143 HEAVY DUTY FLOOR DRAIN WITH 15" ROUND TOP W/TRACTOR GRATE



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

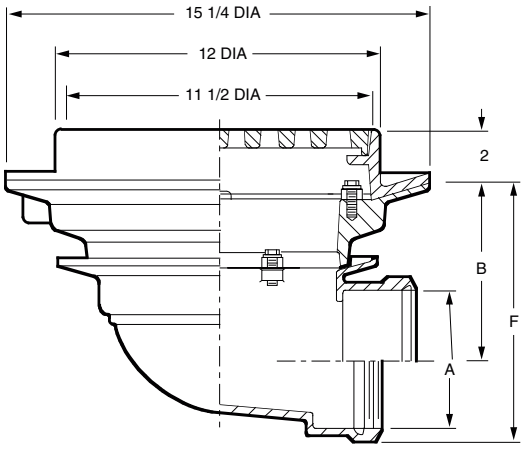
Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C03, C04, C05, C06, C08	4"	N/C
Speedi-Set® SW	L02, L03, L04	5"	44.00
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	44.00
Threaded	T03, T04, T05, T06, T08	4"	102.00
No-Hub	See Fig. 2646Y for list add to THREADED body		

OPTIONS:		ADD
-D	Dome Grate, CI	368.00
-FBS	Alum Flat Bottom Strainer	88.00
-FBSCI	Flat Bottom Strainer, CI	103.00
-G	Galv CI Body	758.00
-HC4	4" High Collar	416.00
-M	Ductile Iron Grate	704.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	431.00
-SNB	Square Top, add to CI	1,808.00
-SPB	Square Top, add to CI	1,562.00
-U	Vandal Proof Grate	143.00

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	**2,915.00**	**4,510.00**	**4,745.00**	71
06, 08"	15"	45	**2,915.00**	**4,510.00**	**4,745.00**	73

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate.

FIG. 2145 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR GRATE



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

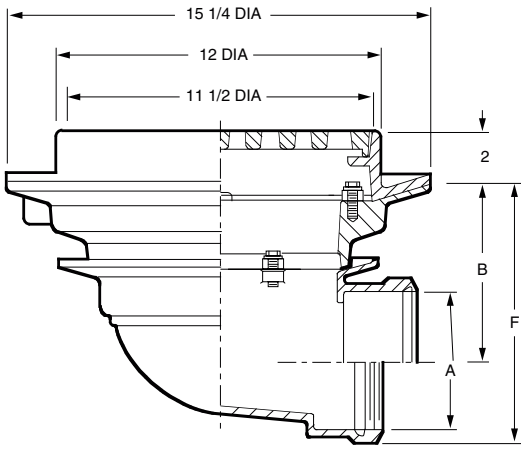
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	102.00
	C03, C04	8 3/4"	102.00
	C05, C06	8 1/2"	102.00
Threaded	T02	8 5/8"	102.00
	T03, T04	8 3/4"	102.00
	T05, T06	8 1/2"	102.00
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y for list add to THREADED body	

OPTIONS:		ADD
-ARI	ARC Inside	926.00
-ARIO	ARC In and Out	926.00
-B	Sediment Bucket	268.00
-DG	Deflector Grate	366.00
-G	Galvanized CI	356.00
-M	Ductile Iron Grate	635.00
-P	Trap Primer Conn	29.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	458.00
-SC	Solid Scoriated Cover	534.00
-SNB	Square Top, add to CI	1,491.00
-SPB	Square Top, add to CI	1,440.00
-U	Vandal Proof Grate	143.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02"	12"	29	6 7/8"	**1,189.00**	**1,980.00**	**2,028.00**	51
03"	12"	29	6 3/8"	**1,189.00**	**1,980.00**	**2,028.00**	51
04"	12"	29	5 7/8"	**1,189.00**	**1,980.00**	**2,028.00**	51
05"	12"	29	5"	**1,189.00**	**1,980.00**	**2,028.00**	53
06"	12"	29	4 1/2"	**1,189.00**	**1,980.00**	**2,028.00**	53

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate.

FIG. 2147 HEAVY 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"	**1,689.00**	**2,480.00**	**2,528.00**	70
03"	12"	29	6 3/8"	**1,689.00**	**2,480.00**	**2,528.00**	70
04"	12"	29	5 7/8"	**1,689.00**	**2,480.00**	**2,528.00**	70
05"	12"	29	5"	**1,840.00**	**2,631.00**	**2,679.00**	72
06"	12"	29	4 1/2"	**1,840.00**	**2,631.00**	**2,679.00**	72

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Solid Free Standing Sediment Bucket.

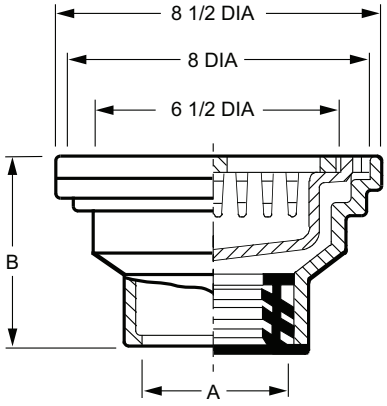
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
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**	

OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-DG	Deflector Grate	**268.00**
-FP	Seepage Holes in Bucket	**366.00**
-G	Galvanized CI	**356.00**
-M	Ductile Iron Grate	**635.00**
-P	Trap Primer Conn	**29.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**458.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,491.00**
-SPB	Square Top, add to CI	**1,440.00**
-U	Vandal Proof Grate	**143.00**

FLOOR DRAINS

FIG. 2210 MEDIUM 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	**376.00**	**778.00**	**872.00**	14

REGULARLY FURNISHED: Duco Cast Iron Body with Cast Iron Grate and Sediment Bucket.

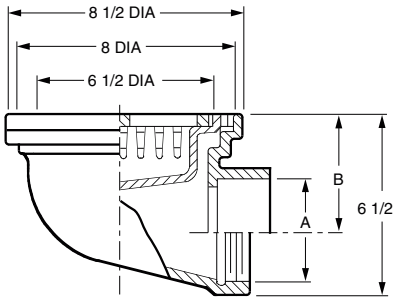
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**44.00**
Threaded	T02, T03, T04	3 1/2"	**85.00**
No-Hub	Y02, Y03, Y04	5"	**N/C**

OPTIONS:		ADD
-ARI	ARC Inside	**458.00**
-ARIO	ARC In and Out	**458.00**
-D	Dome Grate, CI	**75.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-G	Galvanized CI	**392.00**
-H	Hinged Grate	**235.00**
-MBG	Ductile Iron Bucket & Grate	**458.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**133.00**
-XP	Closure Plug, 02, 03"	**358.00**
	04"	**603.00**

†REGULARLY FURNISHED

FIG. 2215 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" 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"	8 1/2"	9.25	4 3/4"	**774.00**	**1,175.00**	**1,270.00**	16
03"	8 1/2"	9.25	4 1/4"	**774.00**	**1,175.00**	**1,270.00**	16
04"	8 1/2"	9.25	3 1/4"	**774.00**	**1,175.00**	**1,270.00**	16

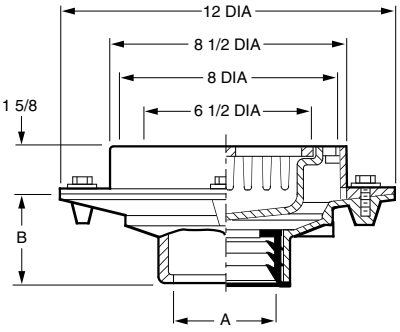
REGULARLY FURNISHED: Duco Cast Iron Body with Cast Iron Grate and Sediment Bucket.

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

Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	6 1/2"	**N/C**
Threaded	T02, T03, T04	6 1/2"	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-D	Dome Grate, CI	**75.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-G	Galvanized CI	**392.00**
-H	Hinged Grate	**235.00**
-MBG	Ductile Iron Bucket & Grate	**458.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**133.00**

FIG. 2220 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	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02, 03, 04"	8 1/2"	9.25	**643.00**	**1,086.00**	**1,184.00**	22

REGULARLY FURNISHED: Duco 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	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	**102.00**
Speedi-Set® SW	L02, L03, L04	3 3/4"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	**44.00**
Threaded	T02, T03, T04	2"	**102.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**

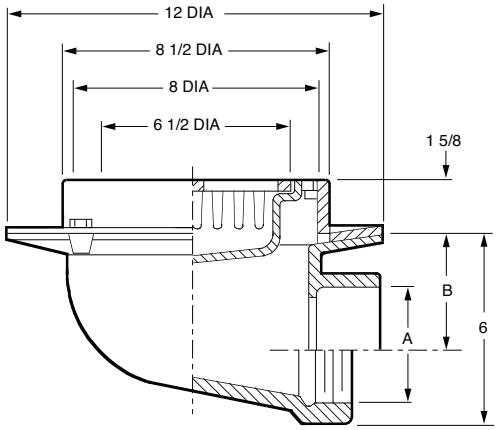
OPTIONS:		ADD
-D	Dome Grate, CI	**140.00**
-DID*	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-G	Galvanized CI	**512.00**
-H**	Hinged Grate (Not available in Ductile Iron)	**258.00**
-MBG	Ductile Iron Bucket & Grate	**458.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**
-XP	Closure Plug, 02, 03"	**358.00**
	04"	**603.00**

*Requires body modifications. Must be shipped complete w/drain from the factory.

**When hinged ductile iron grate is specified, see 2210.

†REGULARLY FURNISHED

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 1/4"	**1,219.00**	**1,664.00**	**1,762.00**	30
03"	8 1/2"	9.25	3 3/4"	**1,219.00**	**1,664.00**	**1,762.00**	30
04"	8 1/2"	9.25	3 1/4"	**1,219.00**	**1,664.00**	**1,762.00**	30

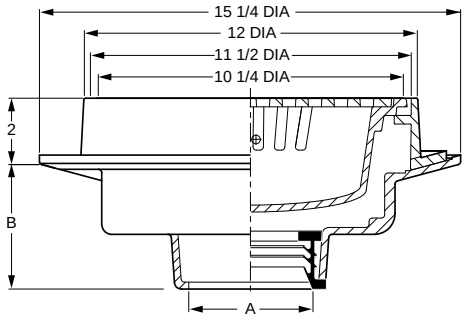
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Sediment Bucket.

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"	**102.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-D	Dome Grate, CI	**140.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-G	Galvanized CI	**512.00**
-MBG	Ductile Iron Bucket & Grate	**681.00**
-H	Hinged Grate	**258.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**

FIG. 2230 MEDIUM 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	**1,353.00**	**1,912.00**	**2,000.00**	70
05, 06"	12"	25.5	**1,353.00**	**1,912.00**	**2,000.00**	72
08"	12"	25.5	**1,630.00**	**2,187.00**	**2,187.00**	74

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Slotted Sediment Bucket.

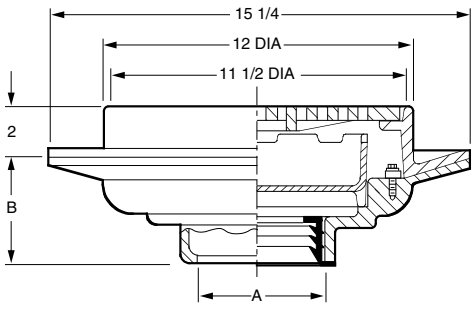
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**44.00**
Threaded	T02, T03, T04	3 3/4"	**85.00**
	T05, T06, T08	3 3/4"	**85.00**
No-Hub	Y02, Y03, Y04	5"	**N/C**
	Y05, Y06, Y08	5"	**N/C**

OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-DID	Drain Installation Device	**188.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**353.00**
-H	Hinged Grate	**267.00**
-MBG	Ductile Iron Bucket & Grate	**635.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**879.00**
-SPB	Square Top, add to CI	**876.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

FIG. 2231 MEDIUM DUTY FLOOR DRAIN WITH 12" ROUND TOP 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"	12"	28.5	**1,380.00**	**1,976.00**	**2,069.00**	70
05, 06"	12"	28.5	**1,380.00**	**1,976.00**	**2,069.00**	72
08"	12"	28.5	**1,662.00**	**2,258.00**	**2,352.00**	74

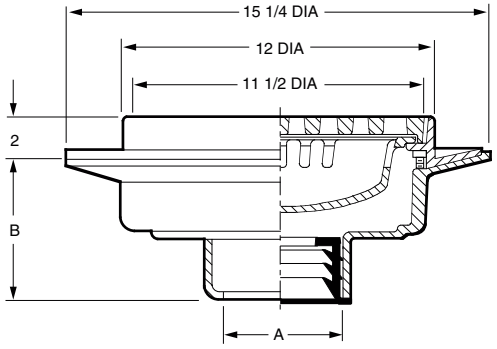
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Bar Grate and Solid Free Standing Bucket.

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"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	**44.00**
Threaded	T02, T03, T04	3 3/4"	**85.00**
	T05, T06, T08	3 3/4"	**85.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**
	Y05, Y06, Y08	3 3/4"	**N/C**

OPTIONS:		ADD
-ARI	ARC Inside	**926.00**
-ARIO	ARC In and Out	**926.00**
-DID	Drain Installation Device	**188.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**354.00**
-H	Hinged Grate	**267.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**336.00**
-SNB	Square Top, add to CI	**878.00**
-SPB	Square Top, add to CI	**876.00**
-U	Vandal Proof Grate	**186.00**

FIG. 2233 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND TOP W/TRACTOR 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"	12"	29	**1,116.00**	**1,485.00**	**1,527.00**	58
05, 06"	12"	29	**1,379.00**	**1,770.00**	**1,770.00**	60
08"	12"	29	**1,400.00**	**1,793.00**	**1,844.00**	62

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Slotted Sediment Bucket.

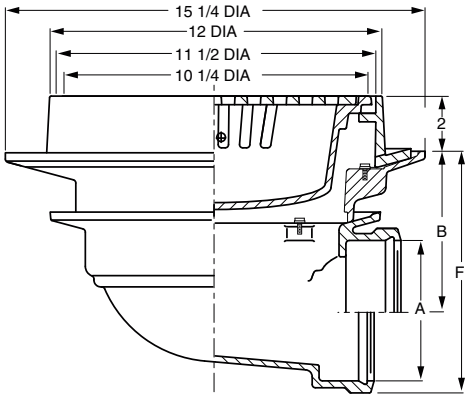
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"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"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**44.00**
Threaded	T02, T03, T04	3 3/4"	**85.00**
	T05, T06, T08	3 3/4"	**85.00**
No-Hub	Y02, Y03, Y04	5"	**N/C**
	Y05, Y06, Y08	5"	**N/C**

OPTIONS:		ADD
-ARI	ARC Inside	**564.00**
-ARIO	ARC In and Out	**564.00**
-BS	Bucket with Mesh Screen	**553.00**
-D	Dome Grate, CI	**140.00**
-DID	Drain Installation Device	**188.00**
-DBSCI	Dome Bottom Strainer, CI	**133.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**354.00**
-M	Ductile Iron Grate	**636.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**336.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**879.00**
-SPB	Square Top, add to CI	**876.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

FIG. 2235 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"	**1,932.00**	**2,490.00**	**2,578.00**	71
03"	12"	25.5	6 3/8"	**1,932.00**	**2,490.00**	**2,578.00**	71
04"	12"	25.5	5 7/8"	**1,932.00**	**2,490.00**	**2,578.00**	71
05"	12"	25.5	5"	**1,932.00**	**2,490.00**	**2,578.00**	73
06"	12"	25.5	4 1/2"	**1,932.00**	**2,490.00**	**2,578.00**	73

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Slotted Sediment Bucket.

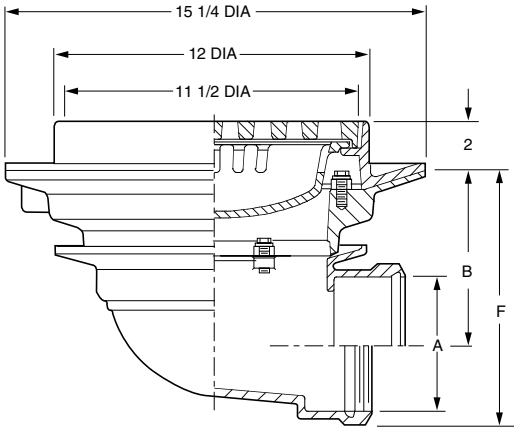
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
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**	

OPTIONS:		ADD
-G	Galvanized CI	**353.00**
-H	Hinged Grate	**267.00**
-MBG	Ductile Iron Bucket & Grate	**634.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**337.00**
-SNB	Square Top, add to CI	**879.00**
-SPB	Square Top, add to CI	**876.00**
-U	Vandal Proof Grate	**186.00**

FLOOR DRAINS

FIG. 2238 HEAVY 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"	**1,932.00**	**2,490.00**	**2,578.00**	74
03"	12"	29	6 3/8"	**1,932.00**	**2,490.00**	**2,578.00**	74
04"	12"	29	5 7/8"	**1,932.00**	**2,490.00**	**2,578.00**	74
05"	12"	29	5"	**1,932.00**	**2,490.00**	**2,578.00**	76
06"	12"	29	4 1/2"	**1,932.00**	**2,490.00**	**2,578.00**	76

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Slotted Sediment Bucket.

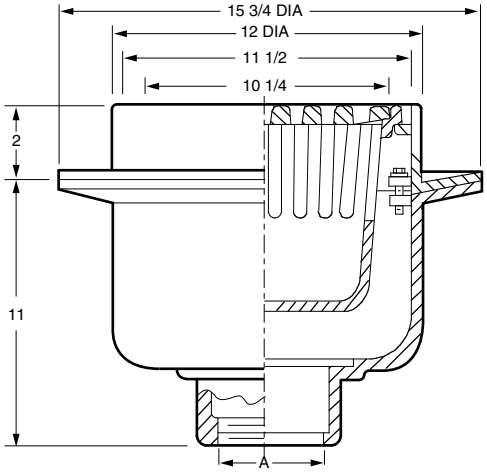
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
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**	

OPTIONS:		ADD
-BS	Bucket w/Mesh Screen	**553.00**
-D	Dome Grate, CI	**140.00**
-G	Galvanized CI	**354.00**
-M	Ductile Iron Grate	**635.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**336.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**879.00**
-SPB	Square Top, add to CI	**876.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

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	**2,012.00**	**2,714.00**	**2,819.00**	81
05, 06"	12"	25.5	**2,012.00**	**2,714.00**	**2,819.00**	83

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Grate and Slotted Sediment Bucket.

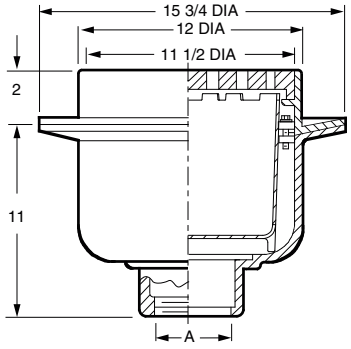
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	**N/C**
Threaded	T02, T03, T04, T05, T06	**85.00**
No-Hub	Y02, Y03, Y04	**N/C**
	Y05, Y06	**See Fig. 2646Y**

OPTIONS:		ADD
-B	Solid Free Standing Bucket (2241)	**N/C**
-BS	Mesh Lined Bucket	**464.00**
-D	Dome Grate, CI	**127.00**
-DNB	Dome Grate add to CI	**1,136.00**
-DPB	Dome Grate add to CI	**977.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-G	Galvanized CI	**1,354.00**
-H	Hinged Grate*	**270.00**
-M	Ductile Iron Grate (2241)	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI (2240 only)	**1,138.00**
-SPB	Square Top, add to CI (2240 only)	**986.00**
-SNB	Square Top, add to CI (2241 only)	**879.00**
-SPB	Square Top, add to CI (2241 only)	**876.00**
-U	Vandal Proof Grate	**186.00**

*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	**2,012.00**	**2,714.00**	**2,819.00**	76
05, 06"	12"	29	**2,012.00**	**2,714.00**	**2,819.00**	78

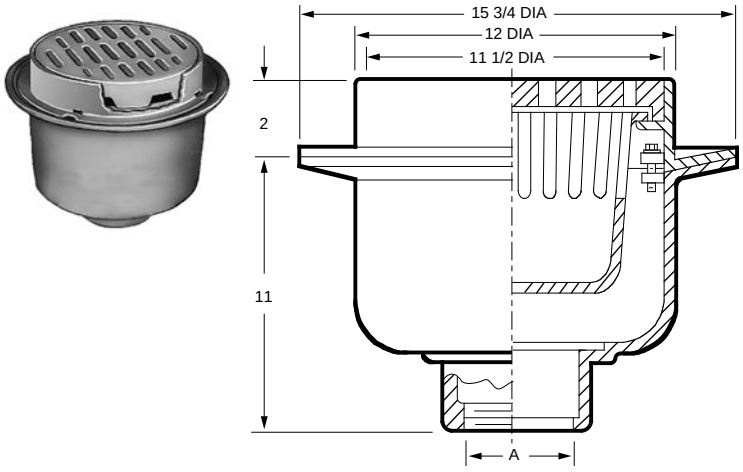
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Solid Free Standing Sediment Bucket.

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	**85.00**
No-Hub	Y02, Y03, Y04	**N/C**
	Y05, Y06	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-DG	Deflector Grate	**366.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-FP	Seepage Holes in Bucket	**274.00**
-G	Galvanized CI	**1,354.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**186.00**

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	**2,012.00**	**2,714.00**	**2,819.00**	84
05, 06"	12"	29	**2,012.00**	**2,714.00**	**2,819.00**	86

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Suspended Slotted Sediment Bucket.

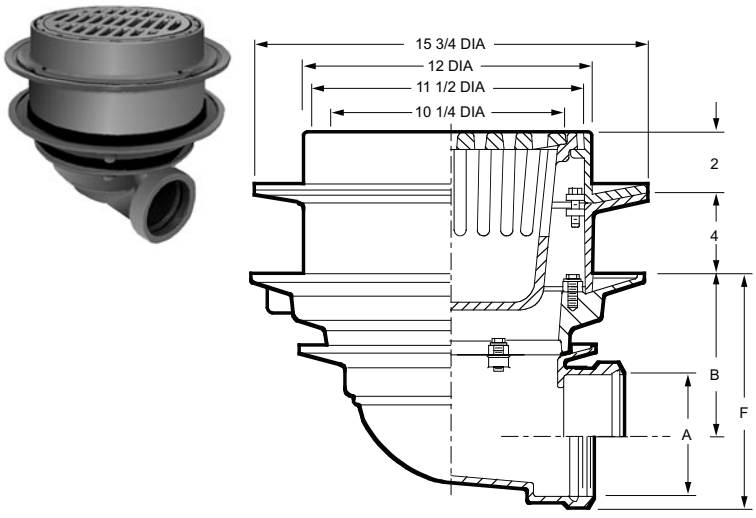
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	**N/C**
Threaded	T02, T03, T04, T05, T06	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	**N/C**

OPTIONS:		ADD
-DG	Deflector Grate	**366.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-G	Galvanized CI	**1,354.00**
-H	*Hinged Grate	**270.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**990.00**
-U	Vandal Proof Grate	**186.00**

*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"	**2,012.00**	**2,714.00**	**2,819.00**	82
03"	12"	25.5	6 3/8"	**2,012.00**	**2,714.00**	**2,819.00**	82
04"	12"	25.5	5 7/8"	**2,012.00**	**2,714.00**	**2,819.00**	82
05"	12"	25.5	5"	**2,012.00**	**2,714.00**	**2,819.00**	84
06"	12"	25.5	4 1/2"	**2,012.00**	**2,714.00**	**2,819.00**	84

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Grate and Slotted Sediment Bucket.

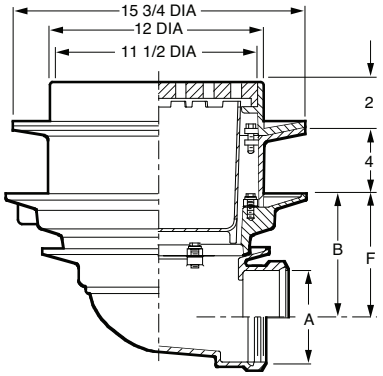
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
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**	

OPTIONS:		ADD
-G	Galvanized CI	**1,354.00**
-H	Hinged Grate*	**270.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,138.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**186.00**

*Hinged grate not available in Safe-Set® design. Full Grate is provided with a suspended bucket.

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"	**2,012.00**	**2,714.00**	**2,819.00**	70
03"	12"	29	6 3/8"	**2,012.00**	**2,714.00**	**2,819.00**	70
04"	12"	29	5 7/8"	**2,012.00**	**2,714.00**	**2,819.00**	70
05"	12"	29	5"	**2,012.00**	**2,714.00**	**2,819.00**	72
06"	12"	29	4 1/2"	**2,012.00**	**2,714.00**	**2,819.00**	72

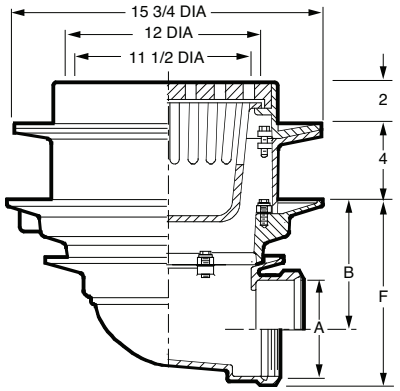
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Solid Free Standing Sediment Bucket.

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
No-Hub	Y02, Y03, Y04		**N/C**
	Y05, Y06		**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-DG	Deflector Grate	**366.00**
-FP	Seepage Holes in Bucket	**274.00**
-G	Galvanized CI	**1,354.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,138.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**186.00**

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"	**2,012.00**	**2,714.00**	**2,819.00**	70
03"	12"	29	6 3/8"	**2,012.00**	**2,714.00**	**2,819.00**	70
04"	12"	29	5 7/8"	**2,012.00**	**2,714.00**	**2,819.00**	70
05"	12"	29	5"	**2,012.00**	**2,714.00**	**2,819.00**	72
06"	12"	29	4 1/2"	**2,012.00**	**2,714.00**	**2,819.00**	72

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Grate and Suspended Slotted Sediment Bucket.

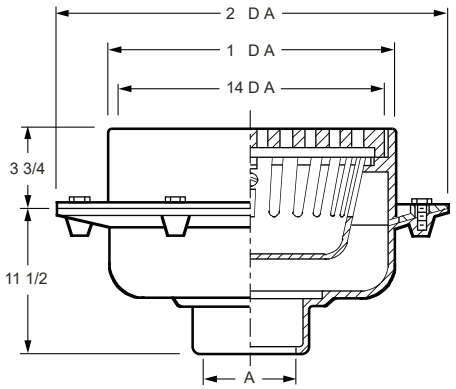
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
No-Hub	Y02, Y03, Y04		**N/C**
	Y05, Y06		**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-BS	Bucket w/Mesh Screen	**464.00**
-DG	Deflector Grate	**366.00**
-FP	Seepage Holes in Bucket	**274.00**
-G	Galvanized CI	**1,354.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SC	Solid Scoriated Cover	**534.00**
-SNB	Square Top, add to CI	**1,138.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

FIG. 2250 LARGE CAPACITY HEAVY DUTY FLOOR DRAIN WITH 15" TOP W/TRACTOR GRATE AND SLOTTED SEDIMENT BUCKET



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

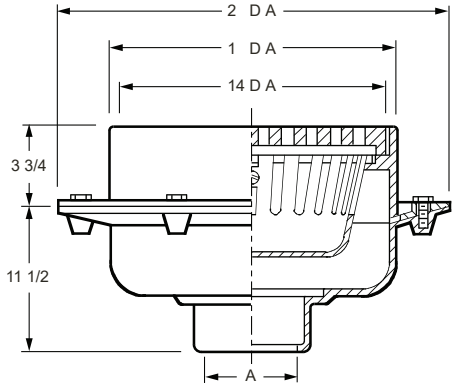
Outlet Type	Outlet Designation Outlet Type/Pipe Size	Body HT DIM	ADD
Inside Caulk	C04, C05, C06, C08	7 3/4"	**N/C**
Threaded	T04, T05, T06, T08	7 3/4"	**85.00**

OPTIONS:		ADD
-BS	Bucket w/Mesh Screen	**701.00**
-D	Dome Grate, CI	**368.00**
-DNB	Dome Grate, add to CI	**3,544.00**
-DPB	Dome Grate, add to CI	**3,083.00**
-G	Galvanized CI	**599.00**
-HC	2" High Collar	**N/C**
-M	Ductile Iron Grate	**488.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**431.00**
-SNB	Square Top, add to CI	**3,039.00**
-SPB	Square Top, add to CI	**2,726.00**
-U	Vandal Proof Grate	**186.00**

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	**3,425.00**	**6,635.00**	**6,841.00**	110
06, 08"	15"	45	**3,425.00**	**6,635.00**	**6,841.00**	112

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Slotted Sediment Bucket.

FIG. 2253 LARGE CAPACITY HEAVY DUTY FLOOR DRAIN WITH 15" TOP W/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"	**85.00**

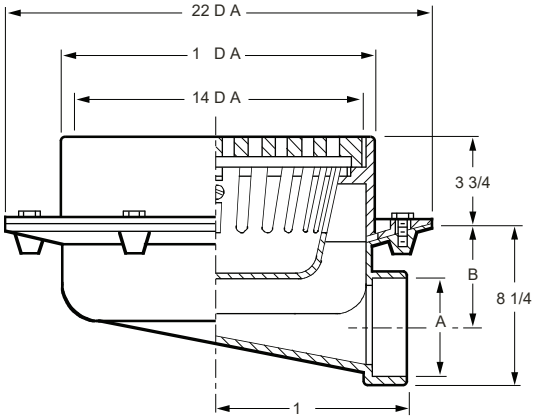
OPTIONS:		ADD
-BS	Bucket w/Mesh Screen	**706.00**
-D	Dome Grate, CI	**368.00**
-DNB	Dome Grate, add to CI	**3,544.00**
-DPB	Dome Grate, add to CI	**3,082.00**
-FBSCI	Flat Bottom Strainer	**86.00**
-G	Galvanized CI	**488.00**
-HC	2" High Collar	**N/C**
-M	Ductile Iron Grate	**684.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**431.00**
-SNB	Square Top, add to CI	**3,039.00**
-SPB	Square Top, add to CI	**2,726.00**
-U	Vandal Proof Grate	**186.00**

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	**3,425.00**	**6,635.00**	**6,841.00**	110
06"	15"	45	**3,425.00**	**6,635.00**	**6,841.00**	112

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Slotted Sediment Bucket.

†REGULARLY FURNISHED

FIG. 2255 LARGE CAPACITY HEAVY DUTY FLOOR DRAIN WITH 15" TOP W/TRACTOR GRATE AND SLOTTED SEDIMENT BUCKET



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

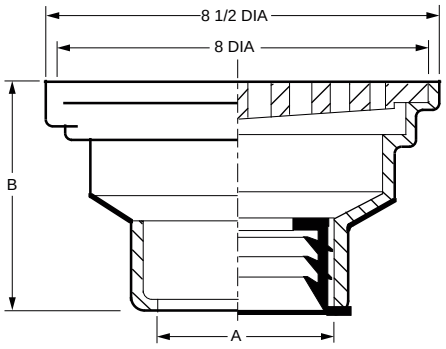
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk Only	C05, C06	N/C

OPTIONS:		ADD
-BS	Bucket w/Mesh Screen	701.00
-D	Dome Grate, CI	368.00
-DNB	Dome Grate, add to CI	3,544.00
-DPB	Dome Grate, add to CI	3,083.00
-G	Galvanized CI	488.00
-HC	2" High Collar	N/C
-M	Ductile Iron Grate	700.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	431.00
-SNB	Square Top, add to CI	3,039.00
-SPB	Square Top, add to CI	2,726.00
-U	Vandal Proof Grate	186.00

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"	**3,888.00**	**7,096.00**	**7,304.00**	110
06"	15"	45	4 3/8"	**3,888.00**	**7,096.00**	**7,304.00**	112

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron ADA Tractor Grate and Slotted Sediment Bucket.

FIG. 2270 SMALL AREA MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP W/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	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"	85.00
No-Hub	Y02, Y03, Y04	5"	N/C

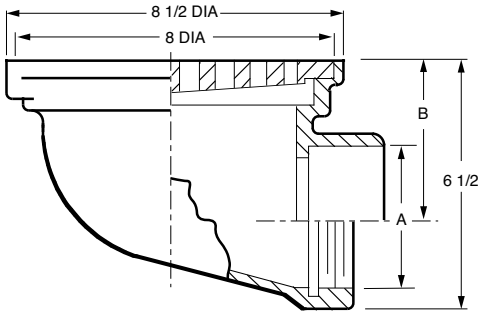
OPTIONS:		ADD
-AB	Sediment Bucket, Alum	228.00
-B	Sediment Bucket, CI	228.00
-D	Dome Grate, CI	140.00
-DNB	Dome Grate, add to CI	986.00
-DPB	Dome Grate, add to CI	793.00
-FBSCI	Flat Bottom Strainer	102.00
-G	Galvanized CI	337.00
-H	Hinged Grate	235.00
-M	Ductile Iron Grate	573.00
-P	Trap Primer Conn.	24.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	296.00
-SNB	Square Top, add to CI	861.00
-SPB	Square Top, add to CI	712.00
-TG	Tractor Grate (Spec Fig. 2271)	150.00
-U	Vandal Proof Grate	186.00
-XP	Closure Plug, 02, 03"	358.00
	04"	603.00

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"	14.25	**545.00**	**1,019.00**	**1,126.00**	13

REGULARLY FURNISHED: Duco Cast Iron Body and Loose Set ADA Grate.

†REGULARLY FURNISHED

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"	**1,123.00**	**1,595.00**	**1,702.00**	20
03"	8 1/2"	14.25	4 1/4"	**1,123.00**	**1,595.00**	**1,702.00**	24
04"	8 1/2"	14.25	3 3/4"	**1,123.00**	**1,595.00**	**1,702.00**	24

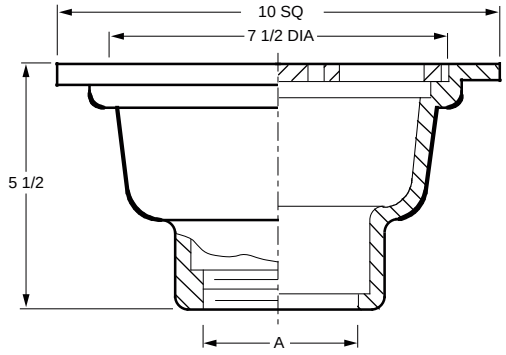
REGULARLY FURNISHED: Duco Cast Iron Body and Loose Set ADA Grate.

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	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-AB	Sediment Bucket, Alum	**228.00**
-B	Sediment Bucket	**228.00**
-D	Dome Grate, CI	**140.00**
-DNB	Dome Grate, add to CI	**986.00**
-DPB	Dome Grate, add to CI	**793.00**
-G	Galvanized CI	**337.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-TG	Tractor Grate (Specify 2276)	**150.00**
-U	Vandal Proof Grate	**186.00**

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	**501.00**	**1,260.00**	**1,296.00**	20
03"	10" SQ	16	**501.00**	**1,260.00**	**1,296.00**	24
04"	10" SQ	16	**712.00**	**1,471.00**	**1,507.00**	29

REGULARLY FURNISHED: Duco Cast Iron Body and Slotted Hinged Grate.

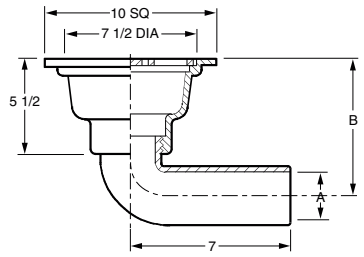
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	**N/C**
Threaded	T02, T03, T04	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-AB	Sediment Bucket, Alum	**208.00**
-B	Sediment Bucket, CI	**172.00**
-BT	Bell Trap	**97.00**
-D	Hinged Dome Grate	**181.00**
-G	Galvanized CI	**364.00**
-U	Vandal Proof Grate	**165.00**

†REGULARLY FURNISHED

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"	**631.00**	**1,390.00**	**1,426.00**	20
03"	10" SQ	16	8 1/4"	**912.00**	**1,671.00**	**1,707.00**	24
04"	10" SQ	16	8 1/2"	**1,282.00**	**2,041.00**	**2,077.00**	29

REGULARLY FURNISHED: Duco Cast Iron Body and Slotted Hinged Grate.

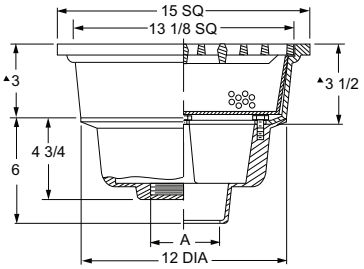
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04	**N/C**

OPTIONS:

		ADD
-B	Sediment Bucket	**172.00**
-D	Hinged Dome Grate	**181.00**
-G	Galvanized CI	**364.00**
-U	Vandal Proof Grate	**165.00**

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	**2,586.00**	**4,275.00**	**4,780.00**	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.)

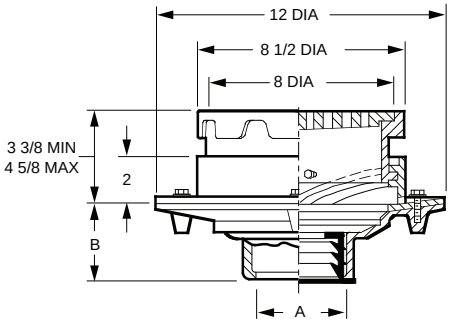
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04, C05, C06	**N/C**
Speedi-Set® SW	L02, L03, L04	**N/C**
Speedi-Set® XH	LXH02, LXH03, LXH04	**N/C**
Threaded	T02, T03, T04, T05, T06	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	**N/C**

OPTIONS:

		ADD
-FBS	Flat Bottom Strainer	**54.00**
-G	Galvanized CI	**1,253.00**
-U	Vandal Proof Grate	**171.00**

▲Add 3/16" when Bronze Top is specified.

FIG. 2310 MEDIUM DUTY FLOOR DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP



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	**950.00**	**1,504.00**	**1,632.00**	31

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	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"	**85.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**

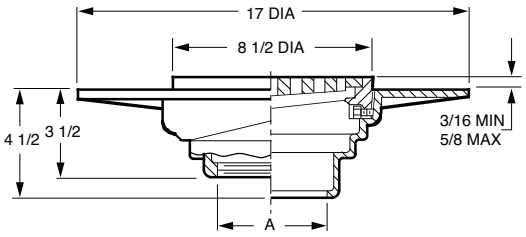
OPTIONS:

		ADD
-B	Sediment Bucket	**228.00**
-D	Dome Grate, CI	**110.00**
-DBS	Dome Bottom Strainer, Aluminum	**108.00**
-DG	Deflector Grate	**186.00**
-DID*	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-E	Extension, ea 2" or fraction	**254.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**337.00**
-H	Hinged Grate	**224.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Connection	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**
-XP	Closure Plug, 02, 03"	**358.00**
	04"	**603.00**

*Requires body modifications. Must be shipped complete w/drain from the factory.

†REGULARLY FURNISHED

FIG. DX2312 WIDE FLANGE DECK DRAIN WITH 8 1/2" ROUND ADJUSTABLE TOP AND ADJUSTABLE LIP DIMENSION



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

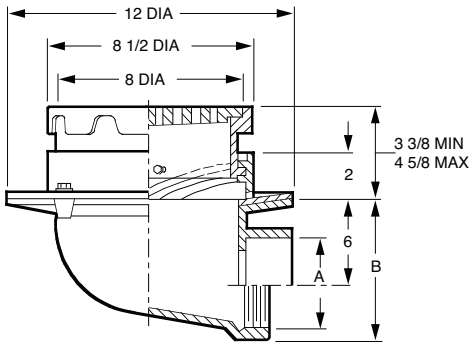
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	85.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

OPTIONS:		ADD
-ARI	ARC Inside	468.00
-ARIO	ARC In and Out	468.00
-B	Safe-Set® Bucket	119.00
-G	Galvanized CI	337.00
-SH	Securing Holes	111.00
-U	Vandal Proof Grate	186.00

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"	14.25	**958.00**	**1,128.00**	**1,323.00**	28

REGULARLY FURNISHED: Duco Cast Iron Body with Cast Iron Adjustable Top.

FIG. 2315 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	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	85.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

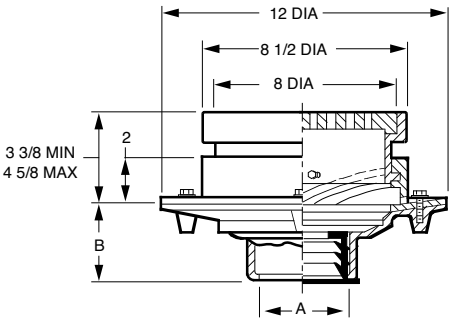
OPTIONS:		ADD
-AB	Sediment Bucket, Alum	228.00
-B	Sediment Bucket, CI	228.00
-D	Dome Grate, CI	110.00
-DG	Deflector Grate	186.00
-DNB	Dome Grate, add to CI	836.00
-DPB	Dome Grate, add to CI	665.00
-E	Extension, ea 2" or fract	254.00
-G	Galvanized CI	337.00
-H	Hinged Grate	224.00
-M	Ductile Iron Grate	573.00
-P	Trap Primer Conn	24.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	296.00
-SNB	Square Top, add to CI	861.00
-SPB	Square Top, add to CI	712.00
-U	Vandal Proof Grate	186.00

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"	14.25	4 1/4"	**1,165.00**	**1,719.00**	**1,847.00**	31
03"	8 1/2"	14.25	3 3/4"	**1,296.00**	**1,850.00**	**1,978.00**	31
04"	8 1/2"	14.25	3 1/4"	**1,337.00**	**1,891.00**	**2,019.00**	31

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

†REGULARLY FURNISHED

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	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02, 03, 04"	8 1/2"	13	**950.00**	**1,504.00**	**1,632.00**	44

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

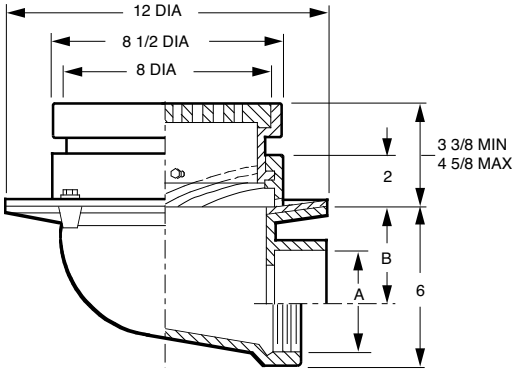
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"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"	**85.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**

OPTIONS:		ADD
-AB	Aluminum Bucket	**228.00**
-ARI	ARC Inside	**468.00**
-ARIO	ARC In and Out	**468.00**
-B	Sediment Bucket	**228.00**
-DID*	Drain Installation Device	**188.00**
-E	Extension, ea 2" or fract	**254.00**
-FBS	Alum Flat Bottom Strainer	**102.00**
-FBSCI	Flat Bottom Strainer, CI	**102.00**
-G	Galvanized CI	**337.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SC	Solid Scoriated Cover	**444.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**
-XP	Closure Plug, 02, 03"	**358.00**
	04"	**603.00**

*Requires body modifications. Must be shipped complete w/drain from the factory.

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"	**1,165.00**	**1,719.00**	**1,847.00**	44
03"	8 1/2"	13	3 3/4"	**1,296.00**	**1,850.00**	**1,978.00**	44
04"	8 1/2"	13	3 1/4"	**1,337.00**	**1,891.00**	**2,019.00**	44

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

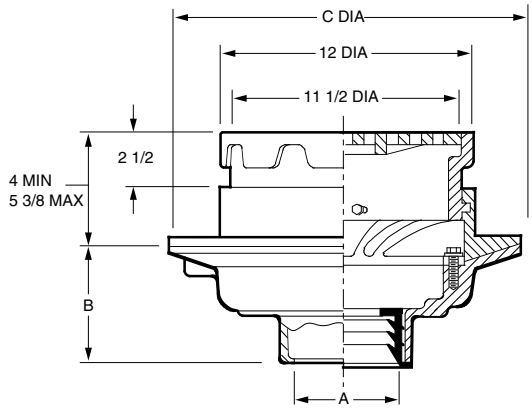
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	**N/C**
Threaded	T02, T03, T04	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-AB	Aluminum Bucket	**228.00**
-B	Sediment Bucket	**228.00**
-E	Extension, ea 2" or fract	**254.00**
-G	Galvanized CI	**337.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SC	Solid Scoriated Cover	**444.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**

†REGULARLY FURNISHED

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"	**1,559.00**	**2,154.00**	**2,247.00**	57
05, 06"	12"	28.5	15 1/4"	**1,559.00**	**2,154.00**	**2,247.00**	57

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

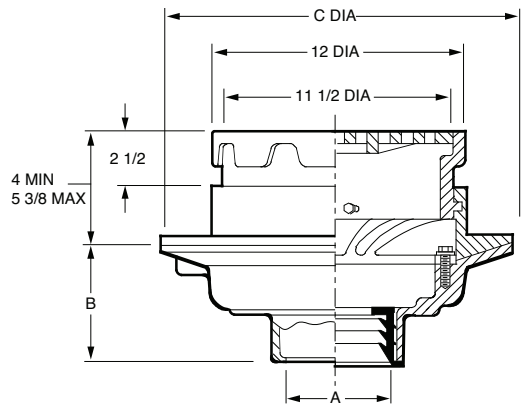
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**235.00**
-D	Dome Grate, CI	**127.00**
-DID	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**1,136.00**
-DPB	Dome Grate, add to CI	**977.00**
-E	Ext, ea 2" or fract	**254.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-FP	Frost Proof Bucket	**336.00**
-G	Galvanized CI	**743.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

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"	**1,353.00**	**1,949.00**	**2,043.00**	52
05, 06"	12"	28.5	16"	**1,353.00**	**1,949.00**	**2,043.00**	52

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

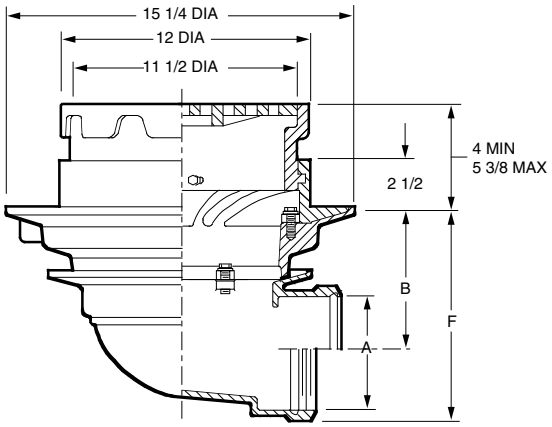
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06		**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-B	Sediment Bucket	**235.00**
-D	Dome Grate, CI	**127.00**
-DNB	Dome Grate, add to CI	**1,136.00**
-DPB	Dome Grate, add to CI	**986.00**
-E	Ext, ea 2" or fract	**254.00**
-FP	Frost Proof Bucket	**336.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-G	Galvanized CI	**743.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

†REGULARLY FURNISHED

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"	**1,749.00**	**2,344.00**	**2,437.00**	76
03"	12"	28.5	6 3/8"	**1,749.00**	**2,344.00**	**2,437.00**	76
04"	12"	28.5	5 7/8"	**1,749.00**	**2,344.00**	**2,437.00**	76
05"	12"	28.5	5"	**1,749.00**	**2,344.00**	**2,437.00**	78
06"	12"	28.5	4 1/2"	**1,749.00**	**2,344.00**	**2,437.00**	78

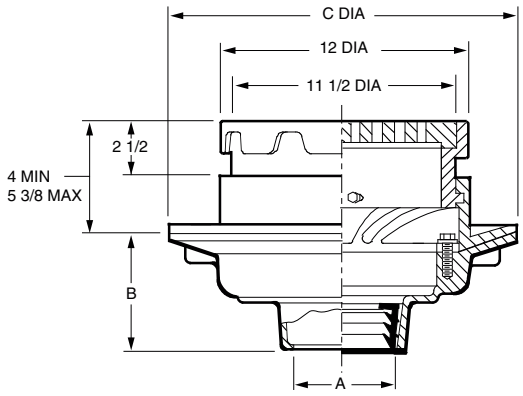
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

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"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
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**	

OPTIONS:		ADD
-B	Sediment Bucket	**268.00**
-D	Dome Grate, CI	**127.00**
-DNB	Dome Grate, add to CI	**1,136.00**
-DPB	Dome Grate, add to CI	**977.00**
-E	Ext, ea 2" or fract	**254.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate	**573.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

FIG. 2340 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP AND 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"	**1,646.00**	**2,242.00**	**2,335.00**	62
05, 06"	12"	29	15 1/4"	**1,646.00**	**2,242.00**	**2,335.00**	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.)

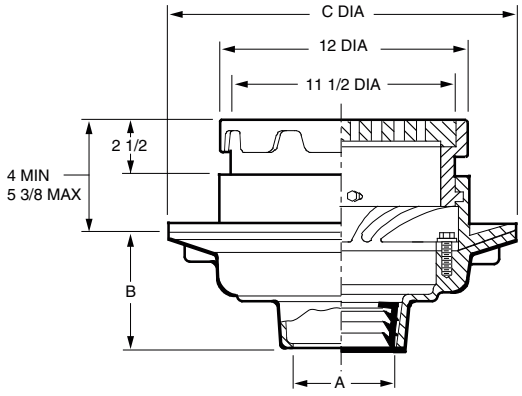
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	5"	**N/C**
Speedi-Set® SW	L02, L03, L04	5"	**N/C**
Speedi-Set® XH	LXH02, LXH03, LXH04	5"	**N/C**
Threaded	T02, T03, T04, T05, T06	3 3/4"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-B	Sediment Bucket	**268.00**
-DID	Drain Installation Device	**253.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-FP	Frost Proof Bucket	**336.00**
-E	Ext, ea 2" or fract	**254.00**
-G	Galvanized CI	**670.00**
-M	Ductile Iron Grate	**573.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

†REGULARLY FURNISHED

FIG. 2341 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND ADJUSTABLE TOP AND TRACTOR GRATE

2341 Same as 2340 with shallow body



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

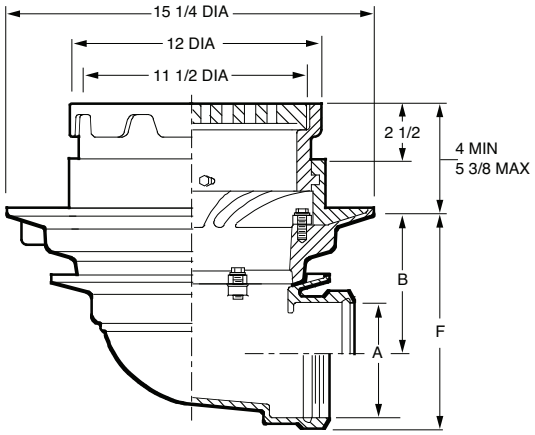
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04, C05, C06	3 3/4"	N/C
Threaded	T02, T03, T04, T05, T06	3 3/4"	85.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list	list add to THREADED body

OPTIONS:		ADD
-B	Sediment Bucket	268.00
-E	Ext., ea 2" or fract	254.00
-FBSCI	Flat Bottom Strainer, CI	103.00
-FP	Frost Proof Sediment Bucket	336.00
-G	Galvanized CI	670.00
-M	Ductile Iron Grate	573.00
-P	Trap Primer Connection	150.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	312.00
-SNB	Square Top, add to CI	1,136.00
-SPB	Square Top, add to CI	986.00
-U	Vandal Proof Grate	133.00

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"	1,646.00	2,242.00	2,335.00	57
05, 06"	12"	29	16"	1,646.00	2,242.00	2,335.00	59

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

FIG. 2345 HEAVY DUTY FLOOR DRAIN WITH 12" ROUND 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"	85.00
	T03, T04	8 3/4"	85.00
	T05, T06	8 1/2"	85.00
No-Hub	Y02	8 5/8"	N/C
	Y03, Y04	8 3/4"	N/C
	Y05, Y06	See Fig. 2646Y	

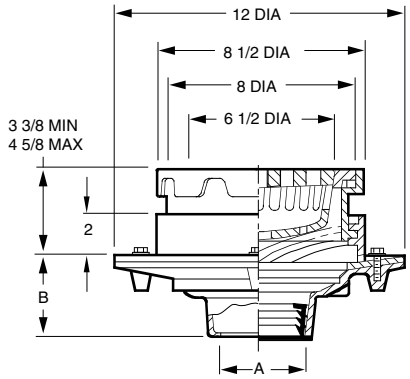
OPTIONS:		ADD
-B	Sediment Bucket	268.00
-E	Ext., ea 2" or fract	254.00
-G	Galvanized CI	670.00
-M	Ductile Iron Grate	573.00
-P	Trap Primer Conn	150.00
-S	Square Top (Add for CI only. **For NB or PB, see below**)	312.00
-SNB	Square Top, add to CI	1,136.00
-SPB	Square Top, add to CI	986.00
-U	Vandal Proof Grate	133.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02"	12"	29	6 7/8"	1,328.00	2,091.00	2,152.00	74
03"	12"	29	6 3/8"	1,328.00	2,220.00	2,280.00	74
04"	12"	29	5 7/8"	1,371.00	2,262.00	2,323.00	74
05"	12"	29	5"	1,599.00	2,500.00	2,560.00	76
06"	12"	29	4 1/2"	1,599.00	2,500.00	2,560.00	76

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Tractor Grate.

†REGULARLY FURNISHED

FIG. 2350 FLOOR DRAIN WITH 8 1/2" 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"	8 1/2"	10.5	**759.00**	**1,161.00**	**1,257.00**	50

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate with Sediment Bucket.

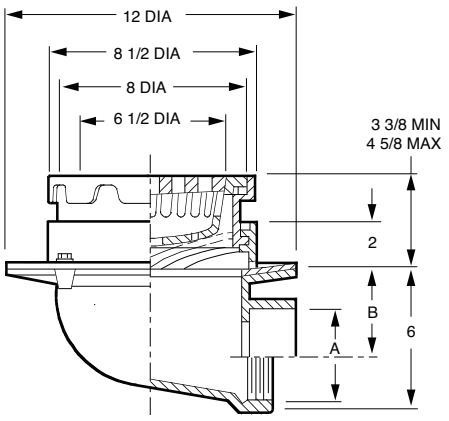
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	3 3/4"	**102.00**
Speedi-Set® SW	L02, L03, L04	3 3/4"	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	3 3/4"	**44.00**
Threaded	T02, T03, T04	2"	**102.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**

OPTIONS:		ADD
-D	Dome Grate, CI	**140.00**
-DID*	Drain Installation Device	**188.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-E	Ext, ea 2" or fract	**254.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**512.00**
-MBG	Ductile Iron Bucket & Grate	**458.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**

*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



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"	**961.00**	**1,363.00**	**1,456.00**	62
03"	8 1/2"	10.5	3 3/4"	**961.00**	**1,363.00**	**1,456.00**	62
04"	8 1/2"	10.5	3 1/4"	**961.00**	**1,363.00**	**1,456.00**	62

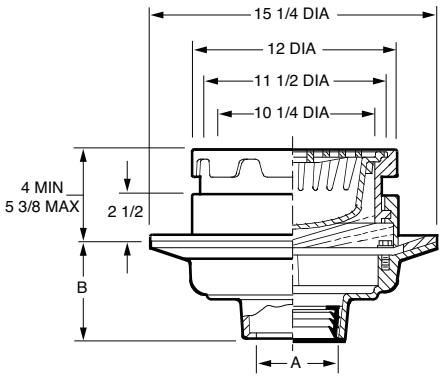
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate with Sediment Bucket.

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	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-D	Dome Grate, CI	**140.00**
-DNB	Dome Grate, add to CI	**836.00**
-DPB	Dome Grate, add to CI	**665.00**
-E	Extension, ea 2" or fract	**254.00**
-G	Galvanized CI	**512.00**
-MBG	Ductile Iron Bucket & Grate	**458.00**
-P	Trap Primer Conn	**24.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Grate	**186.00**

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	**1,646.00**	**2,242.00**	**2,335.00**	87
05, 06"	12"	25.5	**1,646.00**	**2,242.00**	**2,335.00**	89

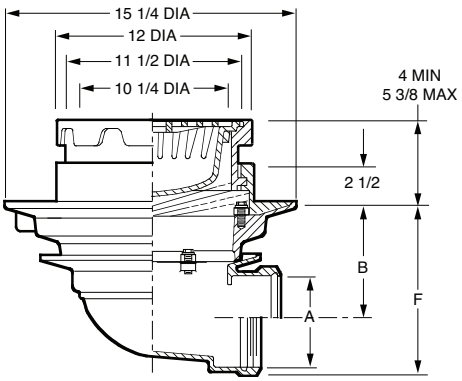
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Top and Slotted ADA Grate with Sediment Bucket.

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"	**85.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**

OPTIONS:		ADD
-ARIO	ARC In and Out	**926.00**
-DID	Drain Installation Device	**926.00**
-E	Adjus Ext, 4 1/2 to 6"	**254.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-MBG	Ductile Iron Bucket & Grate	**635.00**
-P	Trap Primer Conn	**150.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

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"	**1,775.00**	**2,370.00**	**2,463.00**	95
03"	12"	25.5	6 3/8"	**1,775.00**	**2,370.00**	**2,463.00**	95
04"	12"	25.5	5 7/8"	**1,775.00**	**2,370.00**	**2,463.00**	95
05"	12"	25.5	5"	**1,775.00**	**2,370.00**	**2,463.00**	97
06"	12"	25.5	4 1/2"	**1,775.00**	**2,370.00**	**2,463.00**	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.)

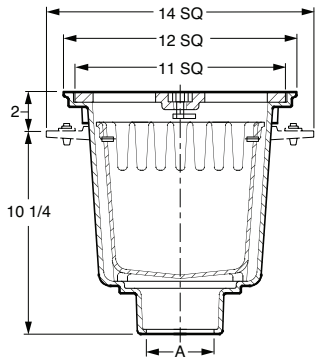
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"F" Body HT. DIM.	ADD
Inside Caulk	C02	8 5/8"	**N/C**
	C03, C04	8 3/4"	**N/C**
	C05, C06	8 1/2"	**N/C**
Threaded	T02	8 5/8"	**85.00**
	T03, T04	8 3/4"	**85.00**
	T05, T06	8 1/2"	**85.00**
No-Hub	Y02	8 5/8"	**N/C**
	Y03, Y04	8 3/4"	**N/C**
	Y05, Y06	**See Fig. 2646Y for list add to THREADED body**	

OPTIONS:		ADD
-E	Ext, ea 2" or fract	**254.00**
-G	Galvanized CI	**670.00**
-H	Hinged Grate	**235.00**
-M	Ductile Iron Grate Only	**573.00**
-MBG	Ductile Iron Bucket & Grate	**635.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,136.00**
-SPB	Square Top, add to CI	**986.00**
-U	Vandal Proof Grate	**133.00**

†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	**1,868.00**	**2,706.00**	**2,873.00**	85
05, 06"	12" SQ	27	**1,868.00**	**2,706.00**	**2,873.00**	85

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate, Locking Device and Sediment Bucket.

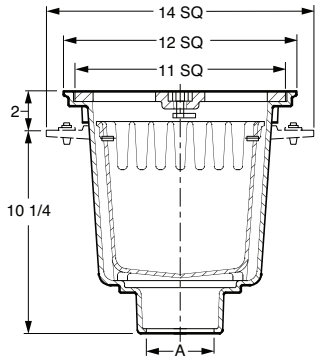
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	**N/C**
Threaded	T03, T04, T05, T06	**85.00**
No-Hub	Y03, Y04, Y05, Y06	**N/C**

OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-ARI	ARC Inside	**949.00**
-ARIO	ARC In and Out	**949.00**
-FBSCI	Flat Bottom Strainer, CI	**86.00**
-G	Galvanized CI	**813.00**
-M	Ductile Iron Grate	**553.00**
-P	Trap Primer Conn	**150.00**
-SC	Solid Scoriated Cover	**444.00**
-SSM	SS Mesh on Bucket	**382.00**
-U	Vandal Proof Grate	**133.00**

		DEDUCT
-LB	Less Bucket	**152.00**
-LLD	Less Locking Device	**286.00**
-LSG	Loose Set Grate	**503.00**

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	**1,868.00**	**2,706.00**	**2,873.00**	85
05, 06"	12" SQ	27	**1,868.00**	**2,706.00**	**2,873.00**	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	**85.00**
No-Hub	Y03, Y04, Y05, Y06	**N/C**

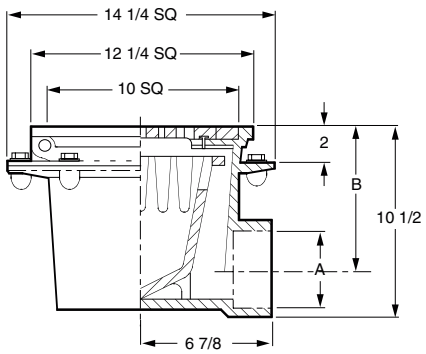
OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-ARI	ARC Inside	**949.00**
-ARIO	ARC In and Out	**949.00**
-C	Flashing Clamp	**N/C**
-FBSCI	Flat Bottom Strainer, CI	**85.00**
-G	Galvanized CI	**813.00**
-M	Ductile Iron Grate	**553.00**
-P	Trap Primer Conn	**150.00**
-SSM	SS Mesh on Bucket	**382.00**
-SC	Solid Scoriated Cover	**444.00**
-U	Vandal Proof Grate	**133.00**

		DEDUCT
-LB	Less Bucket	**152.00**
-LLD	Less Locking Device	**286.00**
-LSG	Loose Set Grate	**503.00**

†REGULARLY FURNISHED

FIG. 2420 TRAFFIC FLOOR DRAIN WITH 12" SQUARE TOP AND FREE STANDING SEDIMENT BUCKET

2420
Same as
2425
less Flange



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
-AB	Aluminum Bucket	346.00
-ARI	ARC Inside	949.00
-ARIO	ARC In and Out	949.00
-G	Galvanized CI	813.00
-M	Ductile Iron Grate	599.00
-P	Trap Primer Conn	150.00
-SC	Solid Scoriated Cover	444.00
-SSM	SS Mesh on Bucket	382.00
-U	Vandal Proof Grate	133.00

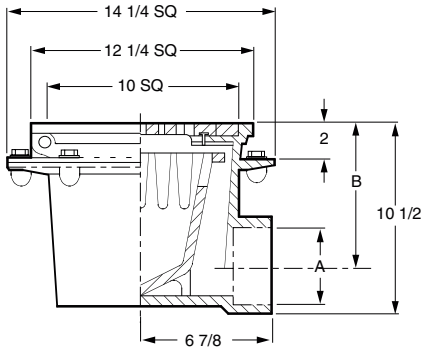
		DEDUCT
-LB	Less Bucket	152.00
-LLD	Less Locking Device	286.00
-LSG	Loose Set Grate	503.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
03"	12" SQ	27	6 1/4"	**2,041.00**	**2,877.00**	**3,047.00**	65
04"	12" SQ	27	5 3/4"	**2,041.00**	**2,877.00**	**3,047.00**	65
05"	12" SQ	27	5 1/4"	**2,041.00**	**2,877.00**	**3,047.00**	65
06"	12" SQ	27	4 3/4"	**2,041.00**	**2,877.00**	**3,047.00**	65

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate, Locking Device and Sediment Bucket.

FLOOR DRAINS

FIG. 2425 TRAFFIC FLOOR DRAIN WITH 12" SQUARE TOP AND 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 Only	C03, C04, C05, C06	N/C

OPTIONS:		ADD
-AB	Aluminum Bucket	346.00
-ARI	ARC Inside	949.00
-ARIO	ARC In and Out	949.00
-C	Flashing Clamp	N/C
-G	Galvanized CI	813.00
-M	Ductile Iron Grate	599.00
-P	Trap Primer Conn	150.00
-SC	Solid Scoriated Cover	444.00
-SSM	SS Mesh on Bucket	382.00
-U	Vandal Proof Grate	503.00

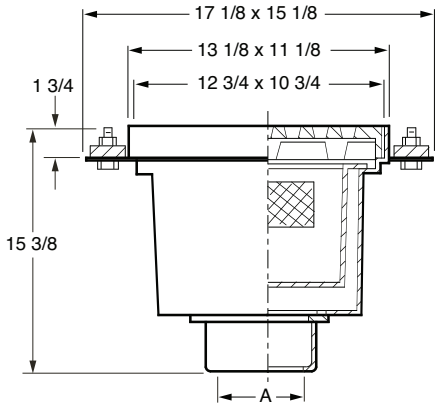
		DEDUCT
-LB	Less Bucket	152.00
-LLD	Less Locking Device	286.00
-LSG	Loose Set Grate	503.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
03"	12" SQ	27	6 1/4"	**2,041.00**	**2,877.00**	**3,047.00**	65
04"	12" SQ	27	5 3/4"	**2,041.00**	**2,877.00**	**3,047.00**	65
05"	12" SQ	27	5 1/4"	**2,041.00**	**2,877.00**	**3,047.00**	65
06"	12" SQ	27	4 3/4"	**2,041.00**	**2,877.00**	**3,047.00**	65

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate, Locking Device and Sediment Bucket.

†REGULARLY FURNISHED

FIG. 2450 TRAFFIC FLOOR DRAIN WITH LARGE CAPACITY SEDIMENT BUCKET



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

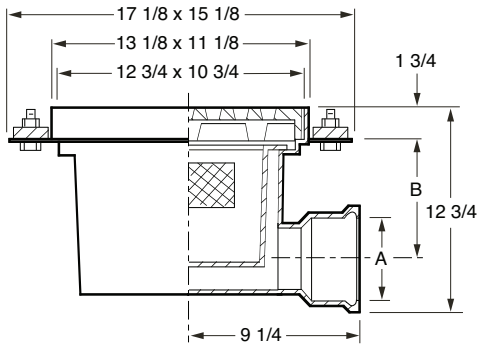
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	**N/C**
Threaded	T03, T04, T05, T06	**85.00**
No-Hub	Y03, Y04, Y05, Y06	**N/C**

OPTIONS:		ADD
-C	Flashing Clamp	**176.00**
-FBSCI	Flat Bottom Strainer, CI	**85.00**
-GG	Galvanized CI Grate	**849.00**
-M	Ductile Iron Grate	**563.00**
-SSB	SS Perforated Bucket	**200.00**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
03, 04"	13 1/8 x 11 1/8"	40	**3,167.00**	**4,379.00**	**4,514.00**	100
05, 06"	13 1/8 x 11 1/8"	40	**3,167.00**	**4,379.00**	**4,514.00**	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.

FIG. 2455 TRAFFIC FLOOR DRAIN WITH LARGE CAPACITY 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	**85.00**
No-Hub	Y03, Y04, Y05, Y06	**N/C**

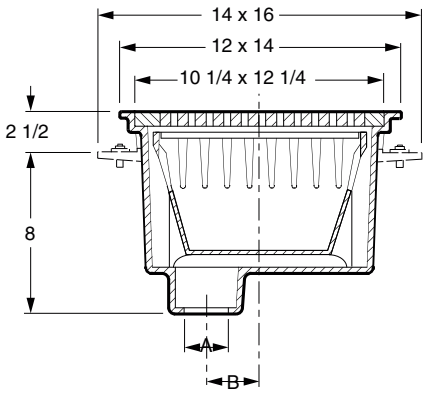
OPTIONS:		ADD
-C	Flashing Clamp	**176.00**
-GG	Galvanized CI Grate	**849.00**
-M	Ductile Iron Grate	**563.00**
-SSB	SS Perforated Bucket	**200.00**

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"	**3,388.00**	**4,600.00**	**4,735.00**	105
04"	13 1/8 x 11 1/8"	40	7 3/4"	**3,388.00**	**4,600.00**	**4,735.00**	105
05"	13 1/8 x 11 1/8"	40	7 1/4"	**3,388.00**	**4,600.00**	**4,735.00**	110
06"	13 1/8 x 11 1/8"	40	6 3/4"	**3,388.00**	**4,600.00**	**4,735.00**	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.

†REGULARLY FURNISHED

FIG. 2470 HEAVY DUTY TRAFFIC FLOOR DRAIN WITH OFFSET OUTLET, HINGED GRATE AND 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, C06	**N/C**
Threaded	T02, T03, T04, T06	**85.00**
No-Hub	Y02, Y03, Y04, Y06	**See Fig. 2646Y for list add to THREADED body**

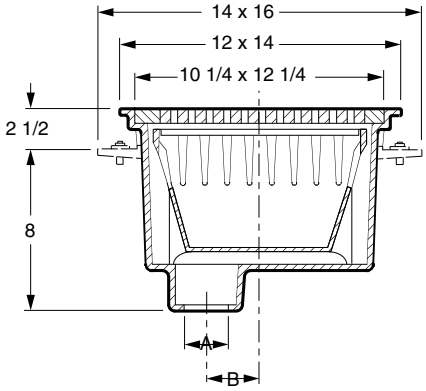
OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-FP	Frost Proof Bucket	**133.00**
-G	Galvanized CI	**848.00**
-M	Ductile Iron Grate	**563.00**
-U	Vandal Proof Screws	**133.00**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02, 03"	12 x 14"	47	**1,584.00**	**2,607.00**	**2,812.00**	69
04, 06"	12 x 14"	47	**1,584.00**	**2,607.00**	**2,812.00**	69

REGULARLY FURNISHED: Duco Cast Iron Body with Heavy Duty Hinged Grate and Cast Iron Sediment Bucket.

FIG. 2473 HEAVY DUTY TRAFFIC FLOOR DRAIN WITH OFFSET OUTLET, HINGED GRATE AND FREE STANDING SEDIMENT BUCKET

2473 Same as 2470 with Flashing Flange



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	**85.00**
No-Hub	Y02, Y03, Y04, Y06	**See Fig. 2646Y for list add to THREADED body**

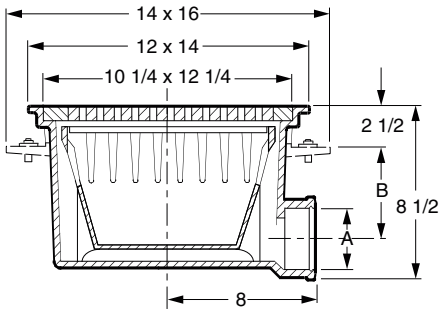
OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-C	Flashing Clamp	**N/C**
-FP	Frost Proof Bucket	**133.00**
-G	Galvanized CI	**848.00**
-M	Ductile Iron Grate	**563.00**
-U	Vandal Proof Screws	**133.00**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02"	12 x 14"	47	2 1/2"	**1,935.00**	**2,958.00**	**3,163.00**	69
03"	12 x 14"	47	2 1/2"	**1,935.00**	**2,958.00**	**3,163.00**	69
04"	12 x 14"	47	2"	**1,935.00**	**2,958.00**	**3,163.00**	69
06"	12 x 14"	47	1"	**1,935.00**	**2,958.00**	**3,163.00**	69

REGULARLY FURNISHED: Duco Cast Iron Body with Heavy Duty Hinged Grate and Cast Iron Sediment Bucket.

†REGULARLY FURNISHED

FIG. 2475 HEAVY DUTY TRAFFIC FLOOR DRAIN W/SIDE OUTLET, HINGED GRATE AND 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	**N/C**

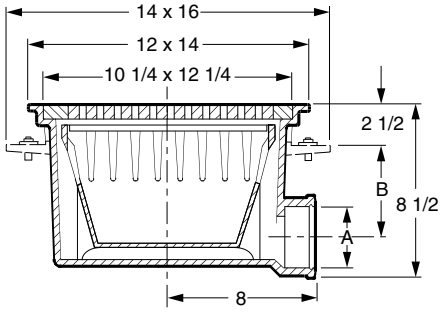
OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-FP	Frost Proof Bucket	**133.00**
-G	Galvanized CI	**848.00**
-M	Ductile Iron Grate	**563.00**
-U	Vandal Proof Screws	**133.00**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02"	12 x 14"	47	4"	**2,041.00**	**3,063.00**	**3,268.00**	69
03"	12 x 14"	47	3 1/2"	**2,041.00**	**3,063.00**	**3,268.00**	69
04"	12 x 14"	47	3"	**2,041.00**	**3,063.00**	**3,268.00**	69

REGULARLY FURNISHED: Duco Cast Iron Body with Heavy Duty Hinged Grate and Cast Iron Sediment Bucket.

FIG. 2478 HEAVY DUTY TRAFFIC FLOOR DRAIN W/SIDE OUTLET, HINGED GRATE AND FREE STANDING SEDIMENT BUCKET

2478 Same as 2475 with Flashing Flange



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**

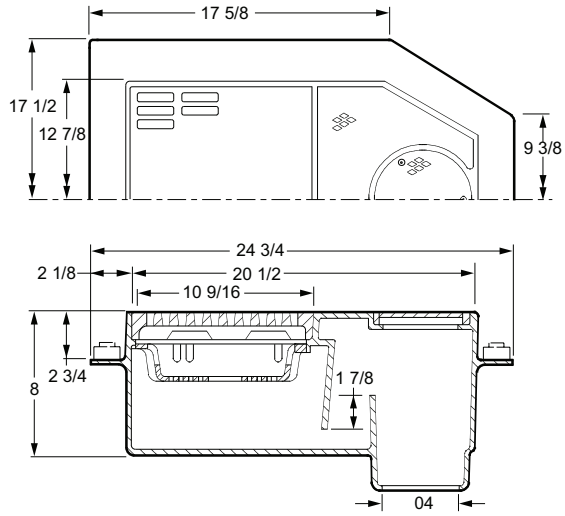
OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-C	Flashing Clamp	**N/C**
-FP	Frost Proof Bucket	**133.00**
-G	Galvanized CI	**848.00**
-M	Ductile Iron Grate	**563.00**
-U	Vandal Proof Screws	**133.00**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	B	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02"	12 x 14"	47	4"	**2,393.00**	**3,416.00**	**3,622.00**	95
03"	12 x 14"	47	3 1/2"	**2,393.00**	**3,416.00**	**3,622.00**	95
04"	12 x 14"	47	3"	**2,393.00**	**3,416.00**	**3,622.00**	95

REGULARLY FURNISHED: Duco Cast Iron Body with Heavy Duty Hinged Grate and Cast Iron Sediment Bucket.

†REGULARLY FURNISHED

FIG. 2484 WHITFORD STYLE HEAVY DUTY INDUSTRIAL DRAIN



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

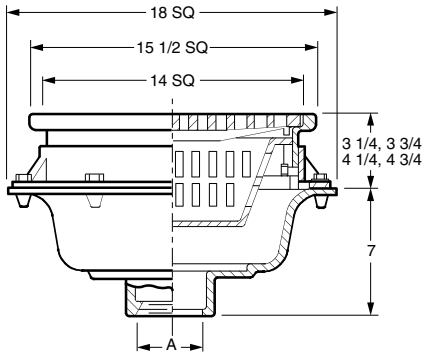
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C04	**N/C**

OPTIONS:		ADD
-C	Flashing Clamp	**389.00**
-CIB	Cast Iron Bucket	**N/C**
-G	Galvanized CI	**1,584.00**
-M	Ductile Iron Grate	**608.00**
-U	Vandal Proof Screws	**146.00**
-W	With Seepage Holes	**147.00**

OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	APPROX. WEIGHT LBS
04"	13 1/2 x 20 1/2"	38.5	**3,516.00**	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	**85.00**
No-Hub	Y03, Y04, Y05, Y06	**N/C**

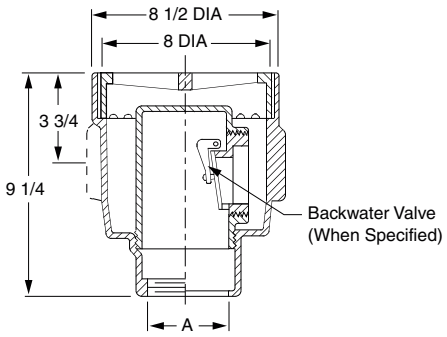
OPTIONS:		ADD
-AB	Aluminum Bucket	**346.00**
-ARI	ARC Inside	**587.00**
-ARIO	ARC In and Out	**587.00**
-E	Adj Ext, 5 to 6 1/2"	**1,323.00**
-FBSCI	Flat Bottom Strainer	**108.00**
-G	Galvanized CI	**467.00**
-U	Vandal Proof Screws	**186.00**
		DEDUCT
-LB	Less Bucket	**122.00**

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	**2,714.00**	**4,401.00**	**6,086.00**	105
05, 06"	15 1/2"	63	**2,714.00**	**4,401.00**	**6,086.00**	109

REGULARLY FURNISHED: Duco Cast Iron Body, Flashing Collar and Adjustable Top with Ductile Iron Grate and Cast Iron Sediment Bucket.

†REGULARLY FURNISHED

FIG. 2490 HEAVY DUTY FLOOR DRAIN WITH 8 1/2" ROUND TOP 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	**1,056.00**	**1,426.00**	**1,506.00**	32

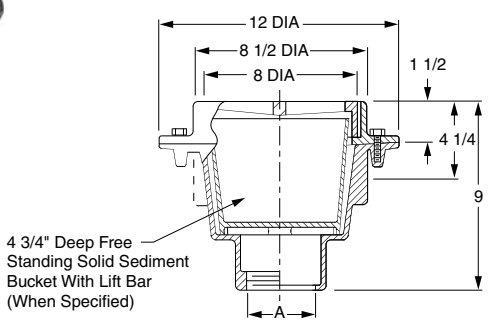
REGULARLY FURNISHED: Duco Cast Iron Body and ADA Tractor Grate.

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, T05, T06	**85.00**
No-Hub	Y03, Y04, Y05, Y06	**See Fig. 2646Y**

OPTIONS:		ADD
-B	Standing Slotted Bucket	**228.00**
-DBSCI	Dome Bottom Strainer, CI	**218.00**
-E	Extension, ea 2" or fract.	**176.00**
-FBSCI	Flat Bottom Strainer, CI	**103.00**
-G	Galvanized CI	**337.00**
-H	Hinged Bar Grate	**235.00**
	Hub Adaptor f/Aux Inlet	**See Fig. 2645**
-M	Ductile Iron Grate	**573.00**
-N2	2" NPT Aux Inlet, ea	**495.00**
-N15	1 1/2" NPT Aux Inlet, ea	**495.00**
-S	Square CI Top	**296.00**
-SB	Standing Solid Bucket	**176.00**
-SC	Solid Scoriated Cover	**638.00**
-SNB	Square NB Top, add to CI	**861.00**
-SPB	Square PB Top, add to CI	**712.00**
-TP	"T" Handle Closure Plug	
	02, 03"	**358.00**
	04"	**603.00**
-U	Vandal Proof Grate	**186.00**
-V	Backwater Valve Assembly	**617.00**

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	**774.00**	**1,025.00**	**1,066.00**	40

REGULARLY FURNISHED: Duco Cast Iron Body ADA Tractor Grate with Flashing Flange.

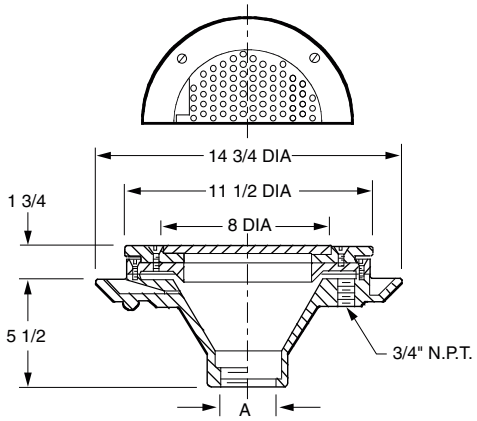
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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**

OPTIONS:		ADD
-B	Standing Slotted Bucket	**228.00**
-DBSCI	Dome Bottom Strainer, CI	**218.00**
-E	Extension, ea 2" or fract.	**176.00**
-FBSCI	Flat Bottom Strainer	**103.00**
-G	Galvanized CI	**337.00**
-H	Hinged Bar Grate	**235.00**
	Hub Adaptor f/Aux Inlet	**See Fig. 2645**
-M	Ductile Iron Grate	**573.00**
-N2	2" NPT Aux Inlet, ea	**459.00**
-N15	1 1/2" NPT Aux Inlet, ea	**459.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SB	Standing Solid Bucket	**176.00**
-SNB	Square NB Top, add to CI	**861.00**
-SPB	Square PB Top, add to CI	**712.00**
-TP	"T" Handle Closure Plug	
	02, 03"	**358.00**
	04"	**603.00**
-U	Vandal Proof Grate	**186.00**
-V	Backwater Valve Assembly	**617.00**

†REGULARLY FURNISHED

FIG. 2500 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND HINGED PERFORATED 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	102.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

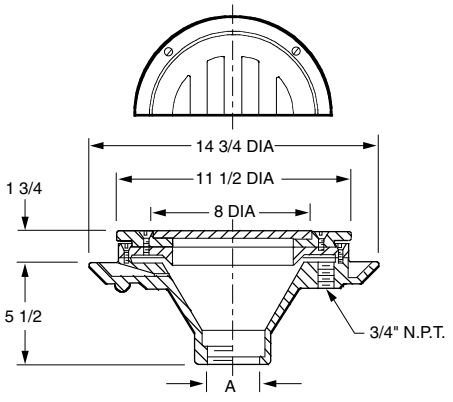
OPTIONS:		ADD
-C	Flashing Clamp	311.00
-SSB	Stainless Steel Bucket	235.00

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	**3,782.00**	**3,974.00**	20

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

2501
Same as
2500
w/Loose Set
Wide 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	102.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

OPTIONS:		ADD
-C	Flashing Clamp	311.00
-H	Hinged Wide Bar Grate	136.00
-SEC	Secured Grate	176.00
-SSB	Stainless Steel Bucket	235.00

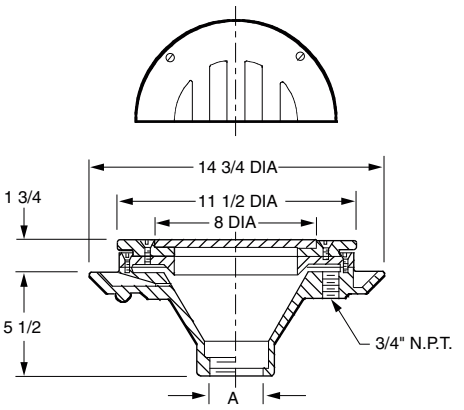
A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	DUCO CI ARC IN PB TOP	DUCO CI ARC IN †NB TOP	APPROX. WEIGHT LBS
02, 03, 04"	11 1/2"	18	**4,088.00**	**4,277.00**	20

REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

†REGULARLY FURNISHED

FIG. 2502 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND INTEGRAL GRATE AND RIM

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	**4,110.00**	**4,299.00**	20

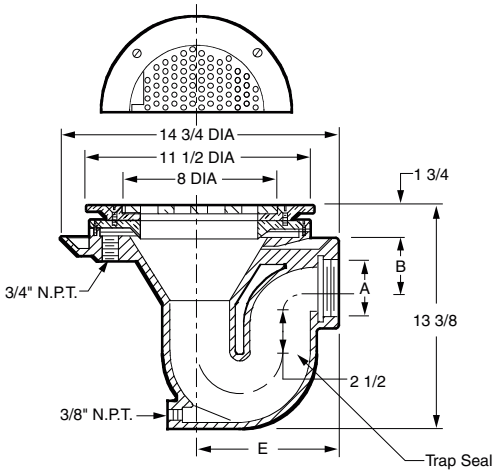
REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

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

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	**N/C**
Threaded	T02, T03, T04	**102.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-C	Flashing Clamp	**311.00**
-SSB	Stainless Steel Bucket	**235.00**

FIG. 2505 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND HINGED PERFORATED GRATE



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"	**4,988.00**	**5,177.00**	50
03"	11 1/2"	10	3 1/8"	10 1/2"	**5,075.00**	**5,333.00**	50
04"	11 1/2"	10	2 15/16"	9 1/2"	**5,075.00**	**5,333.00**	50

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.)

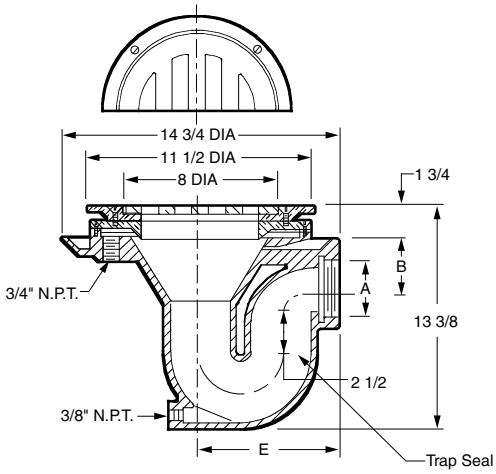
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T02, T03, T04	**N/C**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-C	Flashing Clamp	**312.00**
-SSB	Stainless Steel Bucket	**235.00**

†REGULARLY FURNISHED

FIG. 2506 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND LOOSE SET WIDE BAR GRATE

2506
Same as
2501
w/Loose Set
Wide Bar 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
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

OPTIONS:

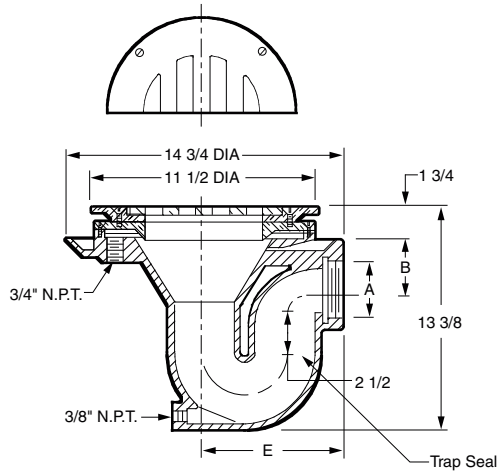
		ADD
-C	Flashing Clamp	311.00
-H	Hinged Wide Bar Grate	136.00
-SSB	Stainless Steel Bucket	235.00

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"	**5,292.00**	**5,481.00**	50
03"	11 1/2"	18	3 1/8"	10 1/2"	**5,380.00**	**5,638.00**	50
04"	11 1/2"	18	2 15/16"	9 1/2"	**5,380.00**	**5,638.00**	50

REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

FIG. 2507 FLUSHING TYPE LABORATORY AND INSTITUTIONAL DRAIN WITH 11 1/2" TOP AND INTEGRAL GRATE AND RIM

2507
Same as
2505
with Integral
Grate and Rim



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

OPTIONS:

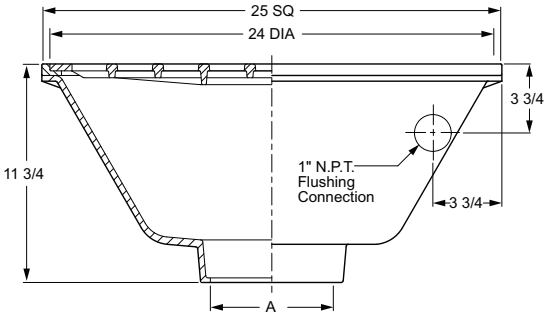
		ADD
-C	Flashing Clamp	311.00
-SSB	Stainless Steel Bucket	235.00

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"	**5,314.00**	**5,503.00**	50
03"	11 1/2"	17.5	3 1/8"	10 1/2"	**5,401.00**	**5,659.00**	50
04"	11 1/2"	17.5	2 15/16"	9 1/2"	**5,398.00**	**5,659.00**	50

REGULARLY FURNISHED: Duco Cast Iron Body and Flange with Acid Resistant Coated Interior and Nickel Bronze Top with Vandal Proof Screws.

†REGULARLY FURNISHED

FIG. 2508 LABORATORY AND ANIMAL DEN FLOOR DRAIN 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	**167.00**
No-Hub	Y04, Y06, Y08	**See Fig. 2646Y for list add to THREADED body**

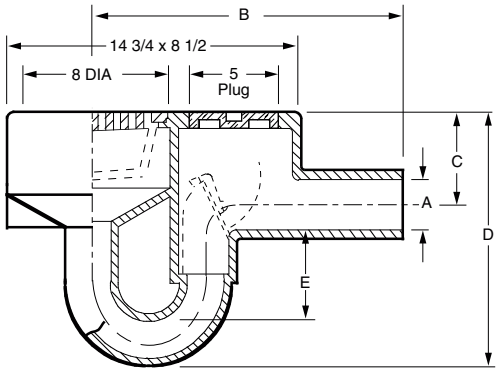
OPTIONS:		ADD
-B	Sediment Bucket	**110.00**
-G	Galvanized CI	**1,149.00**
-SC	Solid Scoriated Cover	**16,397.00**
-U	Vandal Proof Grate	**146.00**

*NOTE: The potable water supply to which a flushing type drain is connected must be protected by a suitable vacuum breaker.

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, 08"	25" SQ.	205	**20,705.00**	**25,846.00**	118

REGULARLY FURNISHED: Duco Cast Iron Body with Acid Resistant Coated Interior, Nickel Bronze Top with Secured Grate.

FIG. 2510 INTEGRAL TRAP AND FLOOR-LEVEL CLEANOUT DRAIN



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**

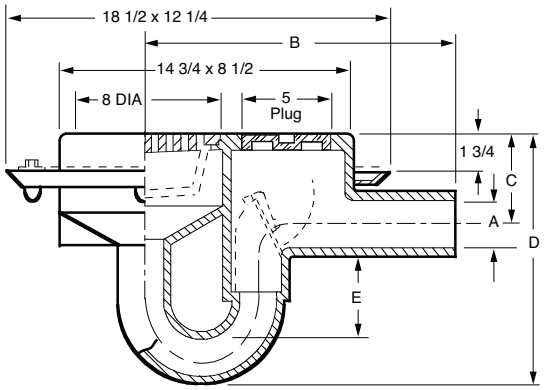
OPTIONS:		ADD
-B	Safe Set Sediment Bucket, CI	**113.00**
-D	Dome Grate, CI	**140.00**
-DNB	Dome Grate, add to CI	**1,038.00**
-DPB	Dome Grate, add to CI	**932.00**
-G	Galvanized CI	**511.00**
-H	Hinged Grate	**235.00**
	Hub Adaptor f/Aux Inlet	**See Fig. 2645**
-MBG	Ductile Iron Bucket & Grate	**458.00**
-N2	2" NPT Aux Inlet, ea	**316.00**
	2" Hub or Spigot Inlet, ea	**431.00**
-N15	1 1/2" NPT Aux Inlet, ea	**316.00**
-P	Trap Primer Conn	**150.00**
-U	Vandal Proof Grate	**146.00**
-V	Backwater Valve, 02"	**550.00**
	03"	**606.00**
	04"	**661.00**

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"	**897.00**	**1,591.00**	**1,653.00**	40
03"	15 x 8"	14.24	15 3/4"	4"	13 1/2"	4 1/2"	**1,242.00**	**1,936.00**	**1,998.00**	52
04"	15 x 8"	14.24	16"	4 1/2"	15 3/4"	4 3/4"	**1,745.00**	**2,283.00**	**2,324.00**	72

REGULARLY FURNISHED: Duco Cast Iron Body and ADA Grate with Bronze Cleanout Plug.

†REGULARLY FURNISHED

FIG. 2515 INTEGRAL TRAP AND FLOOR-LEVEL CLEANOUT DRAIN



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

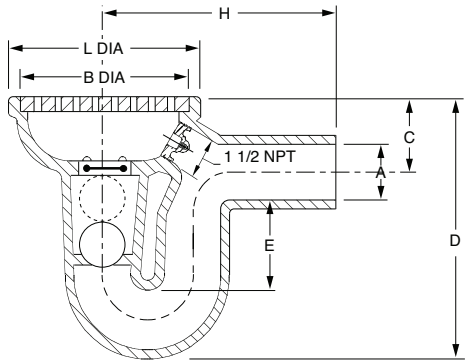
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Spigot	S02, S03, S04	N/C

OPTIONS:		ADD
-B	Safe Set Sediment Bucket	113.00
-C	Flashing Clamp	208.00
-D	Dome Grate, CI	140.00
-DNB	Dome Grate, add to CI	1,038.00
-DPB	Dome Grate, add to CI	908.00
-H	Hinged Grate	512.00
	Hub Adaptor f/Aux Inlet	See 2645
-G	Galvanized CI	511.00
-MBG	Ductile Iron Bucket & Grate	458.00
-N2	2" NPT Aux Inlet, ea	316.00
	2" Hub or Spigot Inlet, ea	431.00
-N15	1 1/2" NPT Aux Inlet, ea	316.00
-P	Trap Primer Conn	150.00
-U	Vandal Proof Grate	146.00
-V	Backwater Valve, 02"	550.00
	03"	606.00
	04"	661.00

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"	**897.00**	**1,591.00**	**1,653.00**	40
03"	15 x 8"	14.24	15 3/4"	4"	13 1/2"	4 1/2"	**1,242.00**	**1,936.00**	**1,998.00**	52
04"	15 x 8"	14.24	16"	4 1/2"	15 3/4"	4 3/4"	**1,745.00**	**2,283.00**	**2,324.00**	72

REGULARLY FURNISHED: Duco Cast Iron Body and ADA Grate with Bronze Cleanout Plug.

FIG. 2530 BALL FLOAT BACKWATER VALVE



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	510.00
-SEC	Secured Grate	133.00
-U	Vandal Proof Grate	146.00

		DEDUCT
-LBWV	Less Backwater Valve	
	02"	85.00
	03, 04"	176.00

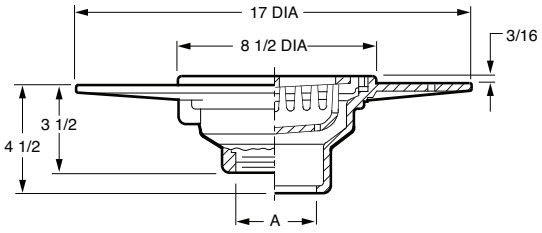
*Add 1/4" when bronze top is specified.

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"	**774.00**	**1,147.00**	**1,182.00**	40
03"	10"	19.5	9 1/4"	4"	13 1/4"	4 1/2	12"	10"	**1,064.00**	**1,437.00**	**1,472.00**	52
04"	12 1/2"	28.5	11 1/2"	4 1/2"	15"	4	15 1/4"	12 1/2"	**1,495.00**	**1,841.00**	**1,872.00**	72

REGULARLY FURNISHED: Duco Cast Iron Body and Slotted ADA Grate with Ball Float Backwater Valve and Bronze Cleanout Plug.

†REGULARLY FURNISHED

FIG. DX2565 FLOOR DRAIN WITH WIDE FLANGE BODY AND "SAFE-SET®" 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	**N/C**
Threaded	T02, T03, T04	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

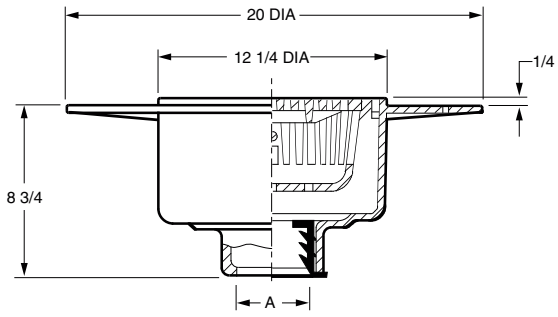
OPTIONS:		ADD
-C	Underdeck Clamp	**253.00**
-G	Galvanized CI	**337.00**
-R	Membrane Clamp	**N/C**
-SH	Securing Holes	**122.00**
-U	Vandal Proof Screws	**186.00**

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	**958.00**	**1,128.00**	**1,324.00**	30

REGULARLY FURNISHED: Duco Cast Iron 4" Wide Flange Body with Bucket and Grate.

*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



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	**85.00**
Speedi-Seal Gasket*	02, 03, 04	**N/C**
No-Hub	Y02, Y03, Y04, Y05, Y06	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-C	Underdeck Clamp	**253.00**
-G	Galvanized CI	**879.00**
-M	Ductile Iron Grate	**236.00**
-R	Membrane Clamp	**N/C**
-SH	Securing Holes	**111.00**
-U	Vandal Proof Screws	**186.00**

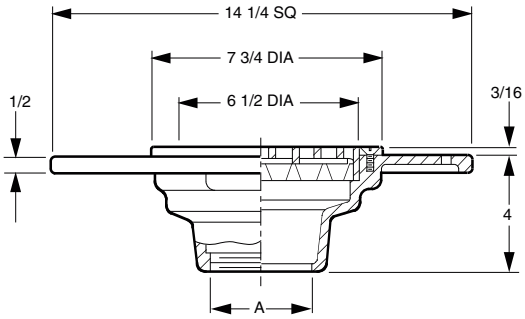
A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02, 03, 04"	12 1/4"	25.25	**1,851.00**	**2,447.00**	**2,540.00**	68
05, 06"	12 1/4"	25.25	**1,851.00**	**2,447.00**	**2,540.00**	68

REGULARLY FURNISHED: Duco Cast Iron 4" Wide Flange Body with Bucket and Grate.

*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

FIG. DX2568 SQUARE FLANGE FLOOR DRAIN WITH TRACTOR GRATE FOR WOOD DECK OR CONCRETE CONSTRUCTION



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

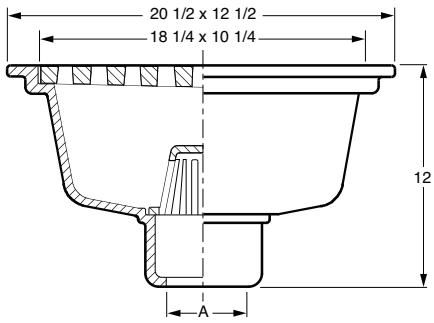
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	85.00
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

OPTIONS:		ADD
-B	Sediment Bucket	113.00
-C	Underdeck Clamp	208.00
-G	Galvanized CI	624.00
-U	Vandal Proof Screws	133.00

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	**1,070.00**	**1,278.00**	31

REGULARLY FURNISHED: Duco Cast Iron Body with Nickel Bronze Tractor Grate and Rim.

FIG. 2570 HEAVY DUTY ROADWAY 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, C05, C06	N/C

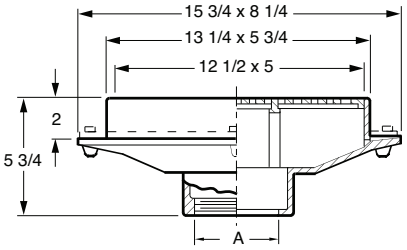
OPTIONS:		ADD
-B	Sediment Bucket	398.00
-G	Galvanized CI	3,026.00
-M	Ductile Iron Grate	1,812.00
-U	Vandal Proof Screws	218.00

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	APPROX. WEIGHT LBS
03, 04"	20 1/2 x 12 1/2"	47	**5,631.00**	162
05, 06"	20 1/2 x 12 1/2"	47	**5,631.00**	162

REGULARLY FURNISHED: Duco Cast Iron Body with Loose Set Grate and Dome Bottom Strainer.

†REGULARLY FURNISHED

FIG. 2585 GUTTER DRAIN WITH SECURED GRATE



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

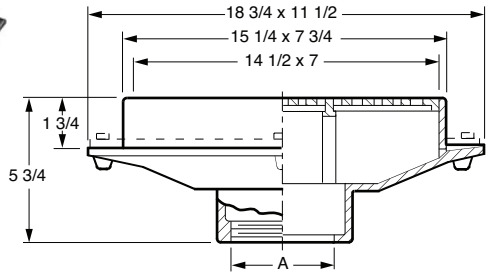
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	**N/C**
Threaded	T02, T03, T04	**72.00**
No-Hub	Y02, Y03, Y04	**N/C**

OPTIONS:		ADD
-C	Flashing Clamp	**155.00**
-DBS	Alum Dome Bottom Strainer	**108.00**
-G	Galvanized CI	**454.00**
-M	Ductile Iron Grate	**311.00**
-U	Vandal Proof Screws	**133.00**

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"	13 x 6"	21.5	**636.00**	**1,129.00**	**1,189.00**	24

REGULARLY FURNISHED: Duco Cast Iron Body with Secured Grate.

FIG. 2586 GUTTER DRAIN WITH SECURED GRATE



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

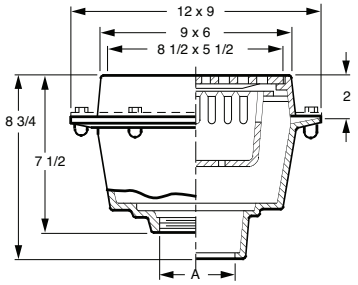
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06	**N/C**
Threaded	T03, T04, T05, T06	**102.00**
No-Hub	Y03, Y04, Y05, Y06	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-C	Flashing Clamp	**218.00**
-G	Galvanized CI	**586.00**
-M	Ductile Iron Grate	**383.00**
-U	Vandal Proof Screws	**146.00**

A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
03, 04"	15 x 8"	31	**1,240.00**	**2,111.00**	**2,211.00**	43
05, 06"	15 x 8"	31	**1,240.00**	**2,111.00**	**2,211.00**	43

REGULARLY FURNISHED: Duco Cast Iron Body with Secured Grate.

FIG. 2589 FLOOR DRAIN WITH HINGED GRATE AND SEDIMENT BUCKET



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

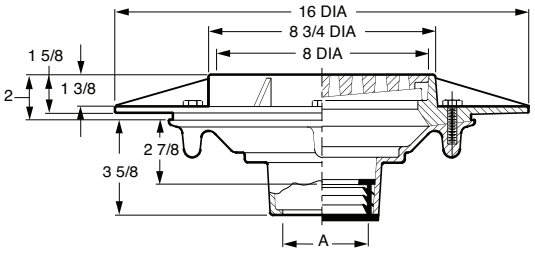
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	**N/C**
Threaded	T02, T03, T04	**85.00**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-C	Flashing Clamp	**N/C**
-G	Galvanized CI	**337.00**
-M	Ductile Iron Grate	**337.00**
-U	Vandal Proof Screws	**186.00**

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"	9 x 6"	23	**971.00**	**1,721.00**	**1,827.00**	30

REGULARLY FURNISHED: Duco Cast Iron Body with Hinged Grate and Sediment Bucket.

FIG. 2614 FLOOR DRAIN WITH HEAVY DUTY WIDE FLANGE FLASHING 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	**85.00**
No-Hub	Y02, Y03, Y04	**N/C**
Side Outlet		**See Fig. 2648S**

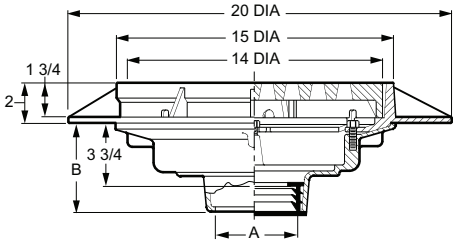
OPTIONS:		ADD
-DBS	Dome Bottom Strainer Aluminum	**108.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-G	Galvanized CI	**337.00**
-M	Ductile Iron Grate	**198.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**296.00**
-SNB	Square Top, add to CI	**861.00**
-SPB	Square Top, add to CI	**712.00**
-U	Vandal Proof Screws	**186.00**

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 3/4"	14.25	**1,364.00**	**1,844.00**	**1,943.00**	34

REGULARLY FURNISHED: Duco Cast Iron Body, Heavy Duty Wide Flange Flashing Collar with Heavy Duty Tractor Grate.

†REGULARLY FURNISHED

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	**1,158.00**	**2,234.00**	**2,461.00**	44
05, 06"	15"	45	**1,158.00**	**2,234.00**	**2,461.00**	44
08, 10"	16"	45	**1,576.00**	**2,652.00**	**2,879.00**	48

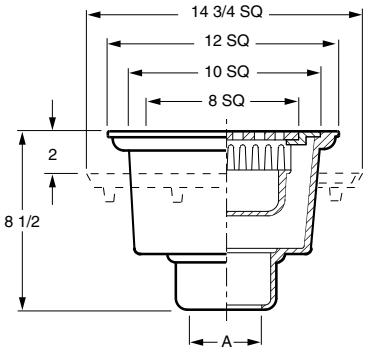
REGULARLY FURNISHED: Duco Cast Iron Body, Heavy Duty Wide Flange Flashing Collar with Heavy Duty ADA Tractor Grate.

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"	**44.00**
	T08, T10	5"	**44.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	5"	**N/C**
	Y08, Y10	6"	**N/C**
Side Outlet			**See Fig. 2648S**

OPTIONS:		ADD
-C	Underdeck Clamp	**123.00**
-DBSCI	Dome Bottom Strainer, CI	**86.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-G	Galvanized CI	**354.00**
-M	Ductile Iron Grate	**603.00**
-R	Sump Receiver	**248.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**431.00**
-SNB	Square Top, add to CI	**1,807.00**
-SPB	Square Top, add to CI	**1,562.00**
-U	Vandal Proof Screws	**185.00**

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	**964.00**	**1,686.00**	**1,763.00**	30

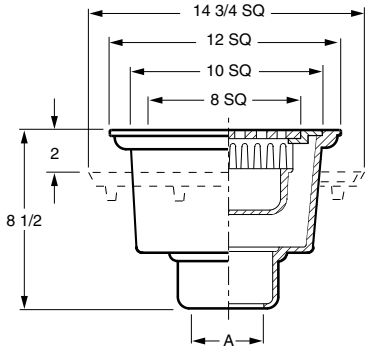
REGULARLY FURNISHED: Duco Cast Iron Body with Sediment Bucket and Grate.

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**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**
Threaded	T02, T03, T04	**85.00**

OPTIONS:		ADD
-BT	Bell Trap Assembly	**197.00**
-F	Flange, Cast Iron	**336.00**
-FC	Flange w/Flashing Clamp	**532.00**
-G	Galvanized CI	**629.00**
-M	Ductile Iron Grate	**311.00**
-MBG	Ductile Iron Bucket & Grate	**485.00**
-P	Trap Primer Connection	**176.00**
-U	Vandal Proof Screws	**133.00**
-12	Half Grate	**111.00**
-13	Three Quarter Grate	**111.00**

FIG. 2631 LIGHT DUTY HOPPER DRAIN WITH SEDIMENT BUCKET



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

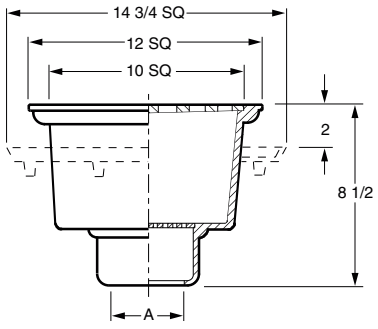
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body
Threaded	T02, T03, T04	85.00

OPTIONS:		ADD
-BM	Ductile Iron Bucket	172.00
-F	Flange, Cast Iron	337.00
-FC	Flange w/Flashing Clamp	532.00
-G	Galvanized CI	629.00
-P	Trap Primer Connection	176.00

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	23	**1,232.00**	**1,954.00**	**2,031.00**	30

REGULARLY FURNISHED: Duco Cast Iron Body with Sediment Bucket.

FIG. 2632 LIGHT DUTY HOPPER DRAIN 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
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body
Threaded	T02, T03, T04	85.00

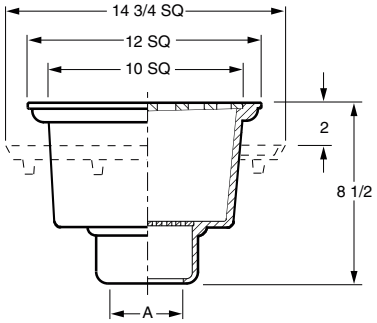
OPTIONS:		ADD
-BT	Bell Trap Assembly	197.00
-DBS	Alum Dome Bottom Strainer	108.00
-F	Flange, Cast Iron	336.00
-FC	Flange w/Flashing Clamp	532.00
-G	Galvanized CI	689.00
-M	Ductile Iron Grate	311.00
-P	Trap Primer Connection	176.00
-U	Vandal Proof Screws	133.00
-12	Half Grate	111.00
-13	Three Quarter Grate	111.00

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	**1,178.00**	**2,211.00**	**2,332.00**	30

REGULARLY FURNISHED: Duco Cast Iron Body with Flat Bottom Strainer and Grate.

†REGULARLY FURNISHED

FIG. 2633 LIGHT DUTY HOPPER DRAIN WITH FLAT BOTTOM STRAINER



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

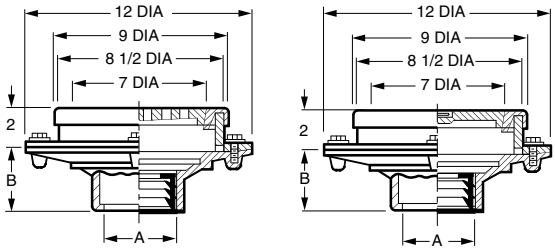
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	**N/C**
No-Hub	Y02, Y03, Y04	**See Fig. 2646Y for list add to THREADED body**
Threaded	T02, T03, T04	**85.00**

OPTIONS:		ADD
-DBS	Alum Dome Bottom Strainer	**108.00**
-F	Flange, Cast Iron	**336.00**
-FC	Flange w/Flashing Clamp	**532.00**
-G	Galvanized CI	**629.00**
-P	Trap Primer Connection	**176.00**

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	**964.00**	**1,686.00**	**1,763.00**	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"	**85.00**
No-Hub	Y02, Y03, Y04	3 3/4"	**N/C**

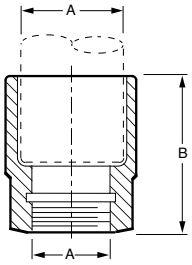
OPTIONS:		ADD
-FBSCI	Flat Bottom Strainer, CI, ea	**54.00**
-G	Galvanized CI	**442.00**
-M	Ductile Iron Tops	**1,268.00**
-RB	RB Grate & Plug	**2,052.00**

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	**1,384.00**	**3,436.00**	**3,918.00**	50

REGULARLY FURNISHED: Two (2) Duco Cast Iron Bodies with Flashing Collar and Bronze Rim, Cast Iron Grate and Ground Joint Plug.

†REGULARLY FURNISHED

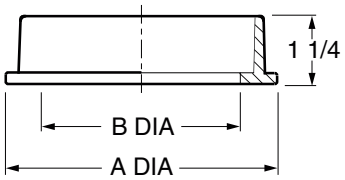
FIG. 2641T HUB ADAPTOR-FEMALE THREAD



A OUTLET SIZE	B	†DUCO CI	ADD FOR: GALV CI (-G)	APPROX. WEIGHT LBS
0125"	5"	**136.00**	**95.00**	5
0150, 02"	4"	**136.00**	**95.00**	5
0250"	4 3/4"	**136.00**	**95.00**	5
03"	4 1/2"	**136.00**	**95.00**	5
04"	4 3/4"	**176.00**	**99.00**	6
05"	5 1/2"	**360.00**	**148.00**	11
06"	5 1/2"	**431.00**	**170.00**	11

REGULARLY FURNISHED: Duco Cast Iron.

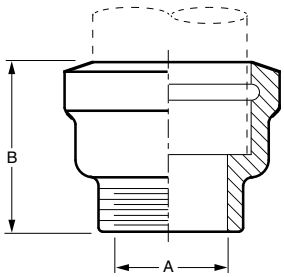
FIG. 2643 CAULK REDUCER



A DIA. x B DIA. OUTLET SIZE	†DUCO CI	WITH GALV CI (-G)	APPROX.WEIGHT LBS
03 X 02"	**43.00**	**67.00**	1
04 X 02"	**50.00**	**74.00**	2
04 X 03"	**71.00**	**95.00**	2
05 X 04"	**86.00**	**110.00**	3
06 X 04"	**106.00**	**130.00**	3
06 X 05"	**127.00**	**151.00**	6
08 X 06"	**150.00**	**174.00**	9

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 2645T HUB ADAPTOR-MALE THREAD

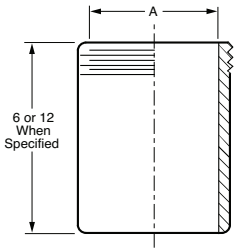


A OUTLET SIZE	B	†DUCO CI	WITH GALV CI (-G)	APPROX. WEIGHT LBS
02"	4 1/2"	**86.00**	**159.00**	3
03"	4 1/2"	**160.00**	**233.00**	5
04"	4 1/2"	**218.00**	**330.00**	6
05"	4 1/2"	**360.00**	**473.00**	8
06"	4 1/2"	**417.00**	**529.00**	9
08"	4 1/2"	**762.00**	**875.00**	11

REGULARLY FURNISHED: Duco Cast Iron.

†REGULARLY FURNISHED

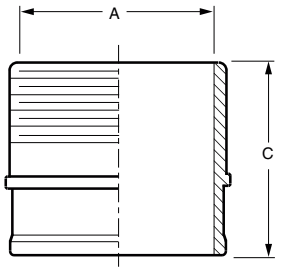
FIG. 2646S STRAIGHT SPIGOT ADAPTOR



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"	**86.00**	**157.00**	2	02"	**180.00**	**250.00**	3
03"	**127.00**	**197.00**	4	03"	**368.00**	**438.00**	4
04"	**200.00**	**270.00**	5	04"	**418.00**	**487.00**	5
05"	**492.00**	**559.00**	7	05"	**549.00**	**617.00**	14
06"	**612.00**	**680.00**	8	06"	**651.00**	**644.00**	17
08"	**681.00**	**752.00**	10	08"	**750.00**	**821.00**	
10"	**813.00**	**884.00**	12				
12"	**1,019.00**	**1,093.00**	15				

REGULARLY FURNISHED: Duco Cast Iron.

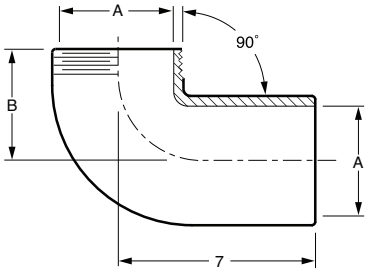
FIG. 2646Y NO-HUB ADAPTOR



A OUTLET SIZE	C	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
02"	2 3/4"	**85.00**	**157.00**	2
03"	3"	**127.00**	**197.00**	4
04"	3"	**200.00**	**270.00**	5
05"	4"	**492.00**	**559.00**	7
06"	4"	**612.00**	**680.00**	8
08"	4 1/2"	**681.00**	**752.00**	10
10"	4 1/2"	**813.00**	**884.00**	12
12"	5 1/2"	**1,019.00**	**1,086.00**	15

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 2648S 90° SPIGOT ADAPTOR

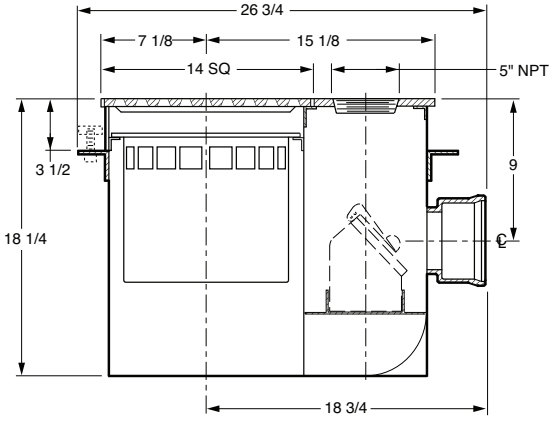


A OUTLET SIZE	B	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
02"	3"	**310.00**	**408.00**	5
03"	3 1/2"	**492.00**	**587.00**	8
04"	4"	**553.00**	**754.00**	13
05"	4 1/2"	**636.00**	**836.00**	15
06"	5"	**656.00**	**971.00**	16

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.

FIG. 2650 GARAGE AND PLANTING AREA DRAIN WITH EXTRA LARGE 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	**N/C**
No-Hub	Y03, Y04	**See Fig. 2646Y for list add to THREADED body**

OPTIONS:		ADD
-F	Flashing Flange	**N/C**
-FC	Flange and Flashing Clamp	**492.00**
-U	Vandal Proof Screws	**217.00**
-V	Backwater Valve	**857.00**

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	**14,460.00**	**17,930.00**	**20,032.00**	30

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

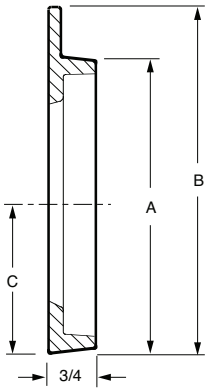


Fig. 2651

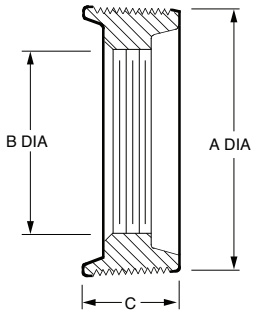


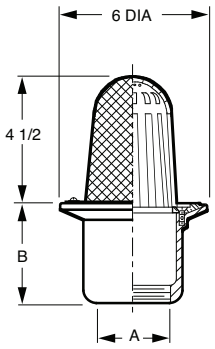
Fig. 2652

FIG. 2651 SIZE	A DIA	B DIA	C	†DUCO CI	GALV CI (-G)	APPROX. WEIGHT LBS
03 x 02"	3"	4"	1 1/2"	**44.00**	**66.00**	1
04 x 03"	4 1/4"	5"	2"	**81.00**	**102.00**	2
05 x 04"	5 1/4"	6"	2 3/4"	**94.00**	**114.00**	3
06 x 05"	6 1/4"	7"	3"	**131.00**	**155.00**	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"	**75.00**	**99.00**	1
03 x 02"	3"	2"	1 1/4"	**88.00**	**111.00**	2
04 x 02"	4"	2"	1 5/16"	**97.00**	**120.00**	3
04 x 03"	4"	3"	1 5/16"	**97.00**	**120.00**	6
05 x 04"	5"	4"	1 5/16"	**127.00**	**150.00**	7
06 x 04"	6"	4"	1 9/16"	**127.00**	**150.00**	8

FIG. 2670, 2671 PLANTING AREA DRAINS FOR SMALL AREAS



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)	T02, T03	N/C
(2671)	T02, T03, T04	N/C
No-Hub	Y02, Y03, Y04	See Fig. 2646Y for list add to THREADED body

OPTIONS:		ADD
-G	Galvanized CI	151.00
-NBD	Nickel Bronze Dome	292.00
-PBD	Polished Bronze Dome	198.00
-U	Vandal Proof	50.00

FIG. NO.	OUTLET SIZE	BODY DEPTH	FLANGE DIA	FREE AREA	†DUCO CI BRZ DOME	ALL BRZ (BB)	APPROX. WEIGHT LBS
2670	02, 03"	2"	6"	25	**849.00**	**1,101.00**	5
2671	02, 03"	4"	6"	25	**1,192.00**	**1,492.00**	7
2671	04"	4"	6"	25	**1,483.00**	**2,266.00**	9

REGULARLY FURNISHED: Duco Cast Iron Body, Bronze Flashing Clamp, Secured Bronze Dome with Stainless Steel Mesh Screen.

FIG. 2673, 2674 PLANTING AREA DRAINS FOR SMALL AREAS

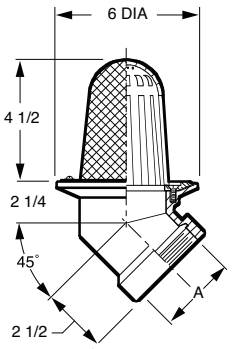


Fig. 2673

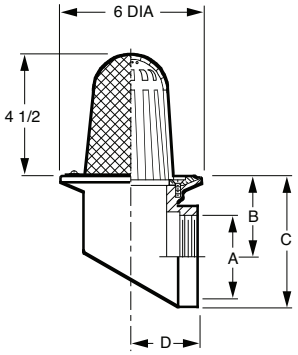


Fig. 2674

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

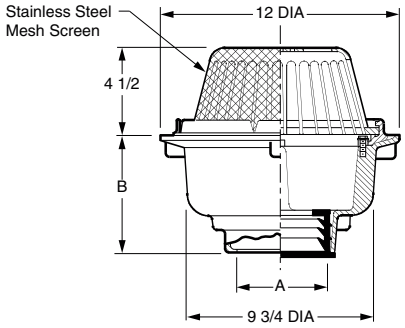
OPTIONS:		ADD
-G	Galvanized CI	151.00
-NBD	Nickel Bronze Dome	292.00
-PBD	Polished Bronze Dome	198.00
-U	Vandal Proof	50.00

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	**951.00**	**1,261.00**	6
03"	6"	3"	5 1/4"	3"	25	**1,207.00**	**1,738.00**	7
04"	6"	3 1/2"	4"	6 1/4"	25	**1,207.00**	**1,738.00**	10

REGULARLY FURNISHED: Duco Cast Iron Body, Bronze Flashing Clamp, Secured Bronze Dome with Stainless Steel Mesh Screen.

†REGULARLY FURNISHED

FIG. 2675 PLANTING AREA DRAIN FOR LARGE AREAS



A OUTLET SIZE	FLANGE DIA	FREE AREA SQ IN	†DUCO CI POLY DOME	DUCO CI BRZ DOME	APPROX. WEIGHT LBS
02, 03"	12"	53	**1,109.00**	**1,491.00**	24
04, 05"	12"	53	**1,109.00**	**1,491.00**	28
06"	12"	53	**1,109.00**	**1,491.00**	29

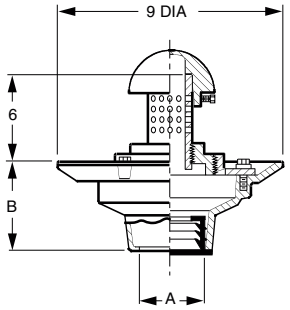
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Clamp with Polyethylene Dome and Stainless Steel Mesh Screen.

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"	**102.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	6"	**N/C**

OPTIONS:		ADD
-AD	Aluminum Dome	**165.00**
-BB	Bronze Body and Collar	**3,400.00**
-C2	Secondary Flashing Clamp	**170.00**
-CID	Cast Iron Dome	**N/C**
-E	Ext, ea inch or fraction	**78.00**
-G	Galvanized CI	**320.00**
-R	Sump Receiver	**235.00**

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"	**1,542.00**	**1,592.00**	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.)

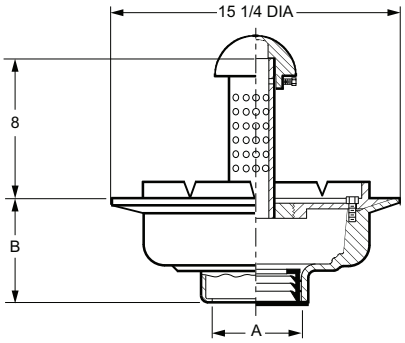
Outlet Type	Outlet Designation Outlet Type/Pipe Size	"B" Body HT. DIM.	ADD
Inside Caulk	C02, C03, C04	4"	**N/C**
Speedi-Set® SW	L02, L03, L04	4"	**N/C**
Speedi-Set® XH	LXH02, LXH03, LXH04	4"	**N/C**
Threaded	T02, T03, T04	3"	**102.00**
No-Hub	Y02, Y03, Y04	4"	**N/C**

OPTIONS:		ADD
-CPD	CP Dome & Standpipe	**280.00**
-G	Galvanized CI	**183.00**
-LS	Longer Standpipe over 6" per inch	**167.00**
-NBD	NB Dome, SS Standpipe	**933.00**
-SSM	SS Mesh over 6" Standpipe	**265.00**
	per inch over 6"	**170.00**

		DEDUCT
-RBD	Rough Bronze Dome	**45.00**
-SP	Solid Standpipe	**N/C**

†REGULARLY FURNISHED

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"	**1,724.00**	**1,747.00**	32

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Bronze 8" High Standpipe and Polished Bronze Dome.

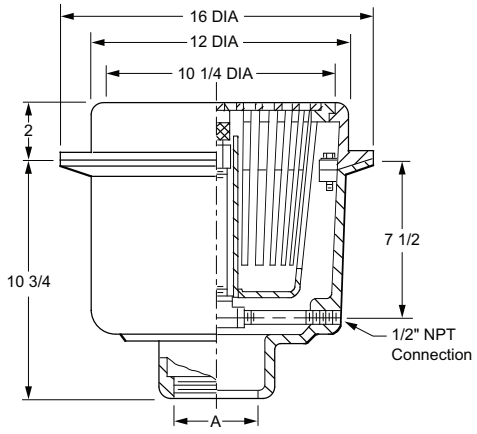
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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"	**102.00**
No-Hub	Y02, Y03, Y04	5"	**N/C**

OPTIONS:		ADD
-G	Galvanized CI	**336.00**
-LS	Longer Standpipe over 8" per inch	**176.00**
-NBD	NB Dome, SS Standpipe	**980.00**
-SSM	SS Mesh over 8" Standpipe	**279.00**
	per inch over 8"	**179.00**

		DEDUCT
-RBD	Rough Bronze Dome	**47.00**
-SP	Solid Standpipe	**N/C**

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	**3,419.00**	**4,063.00**	**4,148.00**	86
05, 06"	12"	28.5	**3,419.00**	**4,063.00**	**4,148.00**	86

REGULARLY FURNISHED: All Galvanized Cast Iron Body with Flashing Collar, Loose Set Grate, Sediment Bucket, Pipe Assembly with 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	**72.00**
No-Hub	**See Fig. 2646Y for list add to THREADED body**	

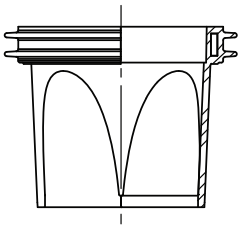
OPTIONS:		ADD
-BS	SS Mesh lined Bucket	**431.00**
-FBSCI	Flat Bottom Strainer, CI	**54.00**
-S	Square Top (Add for CI only. **For NB or PB, see below**)	**312.00**
-SNB	Square Top, add to CI	**1,175.00**
-SPB	Square Top, add to CI	**1,009.00**

		DEDUCT
-CI	Duco Cast Iron	**836.00**

For Water Supply Control Box, See Fig 3380 or 3385

†REGULARLY FURNISHED

FIG. 2692 QUAD CLOSE TRAP SEAL



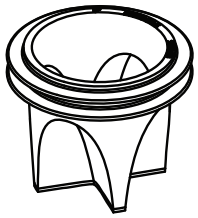


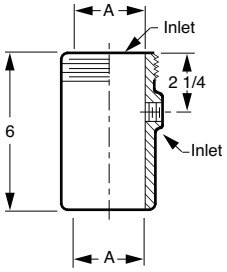
FIG. NO.	PIPE SIZE	
2692-0150	1 1/2"	**POA**
2692-02	2"	**POA**
2692-03	3"	**POA**
2692-0350*	3 1/2"	**POA**
2692-04	4"	**POA**
2692-06	6"	**POA**

*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



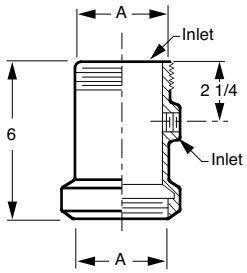
INLET/ OUTLET SIZE	AUXILIARY INLET SIZE*	†DUCO CI	GALV CI	APPROX. WEIGHT LBS
02"	050, 075"	**176.00**	**265.00**	3
03"	050, 075"	**176.00**	**265.00**	6
04"	050, 075"	**176.00**	**265.00**	10

*Specify P050 (1/2") or P075 (3/4") Auxiliary Inlet Size

REGULARLY FURNISHED: Duco Cast Iron with 1/2" NPT Inlet Tapping.

FIG. 2696 AUXILIARY INLET FITTINGS-THREADED OUTLET

2696 Same as 2695 with Threaded Outlet



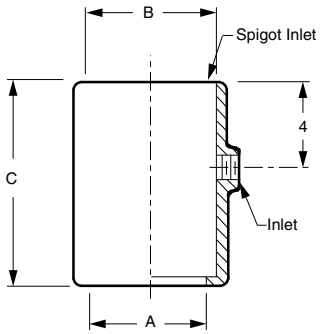
*Specify P050 (1/2") or P075 (3/4") Auxiliary Inlet Size

A OUTLET SIZE	AUXILIARY INLET SIZE*	†DUCO CI	GALV CI	APPROX. WEIGHT LBS
02"	050, 075"	**176.00**	**265.00**	3
03"	050, 075"	**176.00**	**265.00**	6
04"	050, 075"	**176.00**	**265.00**	10

REGULARLY FURNISHED: Duco Cast Iron with 1/2" NPT Inlet Tapping.

FIG. 2697 AUXILIARY INLET FITTINGS-CAULK OUTLET

2697
Same as 2695 with Caulk Outlet



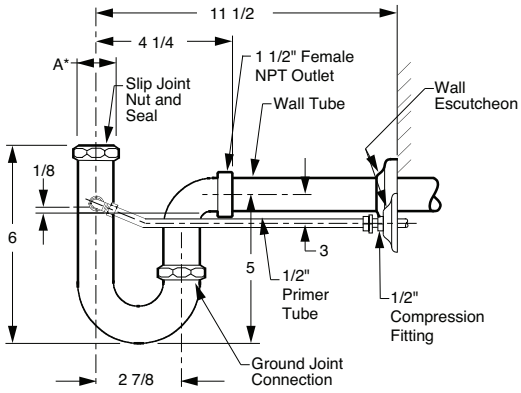
INLET/ OUTLET SIZE	AUXILIARY INLET SIZE*	B	C	†DUCO CI	GALV CI	APPROX. WEIGHT LBS
02"	050, 075"	3"	7 1/2"	**176.00**	**265.00**	3
03"	050, 075"	4"	7 1/2"	**176.00**	**265.00**	6
04"	050, 075"	4"	8 1/2"	**176.00**	**265.00**	10

*Specify P050 (1/2") or P075 (3/4") Auxiliary Inlet Size

REGULARLY FURNISHED: Duco Cast Iron with 1/2" NPT Inlet Tapping.

OPTIONS: **ADD**
-N2 2" NPT Auxiliary Inlet **316.00**

FIG. 2698 PRIME-EZE® WATER SAVER TRAP PRIMER



OPTIONS: **ADD**
-ADA **53.00**

INLET/ OUTLET SIZE	†17 GA CP SATIN BRONZE (-SF)	17 GA CP POLISHED BRONZE -(CP)	APPROX. WEIGHT LBS
0150"	**528.00**	**606.00**	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.

NOTE: Invert of connection located 1/8" above static water level enabling "overflow" into primer tube when temporary head of water is created.

†REGULARLY FURNISHED

FIG. 2699LF, FIG. 2699-1LF AUTOMATIC TRAP PRIMERS - LEAD FREE

FOR FIXTURES W/MIN. 2.5 GPM FLOW

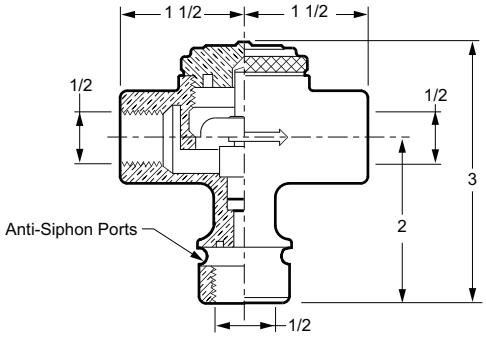


Fig. 2699

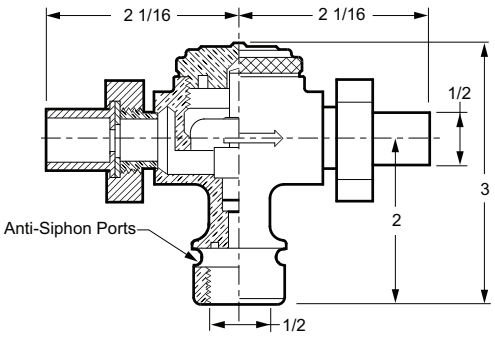


Fig. 2699-1

FIG. NO.	CONN. SIZE	†CAST BRONZE	CP BRONZE(-CP)	APPROX. WEIGHT LBS
2699LF	1/2" NPT	**268.00**		3
2699-1LF	1/2" Sweat	**268.00**		3
2699CPLF	1/2" NPT		**355.00**	3
2699-1CPLF	1/2" Sweat		**355.00**	3

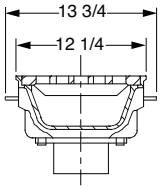
REGULARLY FURNISHED: Lead Free Cast Bronze with 1/2" Connection as indicated by Figure Number Selected.

COMPLIES with LEAD PLUMBING LAW "CERTIFIED by IAPMO R & T" FILE NO. 8477 (NSF/ANSI 372)

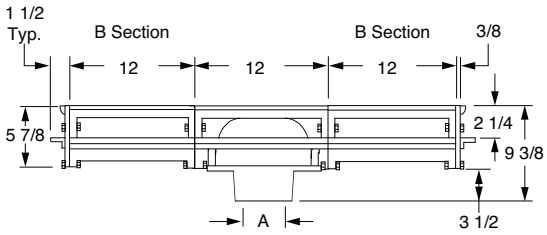
Listed to STD.1018

NOTE: MUST BE LOCATED IN AN ACCESSIBLE LOCATION.

FIG. 2710 WIDE HEAVY DUTY MODULAR TRENCH DRAIN



End Section View



A 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	**1,793.00**	**2,743.00**	**2,893.00**	51
06, 08"	12 x 12"	39.3	**1,793.00**	**2,743.00**	**2,893.00**	
Ea Add'l 12" Section			**1,793.00**	**2,743.00**	**2,893.00**	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, C08	**N/C**
No-Hub	Y03, Y04, Y05, Y06, Y08	**N/C**

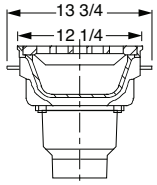
OPTIONS:		ADD "A" (Outlet) Per Section	ADD "B" (Add'l) Per Section
-ARIO	ARC In and Out	**849.00**	**849.00**
-C	Flashing Clamp	**172.00**	**172.00**
-DBSCI	Dome Bottom Strainer, CI	**311.00**	
-EO	End Outlet	**422.00**	**422.00**
-G	Galvanized CI	**707.00**	**707.00**
-M	Ductile Iron Grate	**786.00**	**786.00**
-NBHP	Heelproof, add to CI	**712.00**	**712.00**
-PBHP	Heelproof, add to CI	**712.00**	**712.00**
-U	Vandal Proof Screws	**267.00**	**267.00**

NOTE: The above option prices are per section.

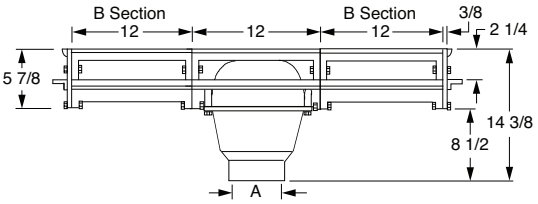
Fig. 2710 ..... "A" Section
Fig. 2711 ..... "A" Section ..... with (1) "B" Section
Fig. 2712 ..... "A" Section ..... with (2) "B" Sections
Fig. 2713 ..... "A" Section ..... with (3) "B" Sections
Fig. 2714 ..... "A" Section ..... with (4) "B" Sections
Fig. 2715 ..... "A" Section ..... with (5) "B" Sections
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

†REGULARLY FURNISHED

FIG. 2710-DH WIDE HEAVY DUTY MODULAR TRENCH DRAIN



End Section View



"A" 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	**2,369.00**	**3,319.00**	**3,470.00**	51
06, 08"	12 x 12"	39.3	**2,369.00**	**3,319.00**	**3,470.00**	
Ea Add'l 12" Section			**2,369.00**	**3,319.00**	**3,470.00**	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.)

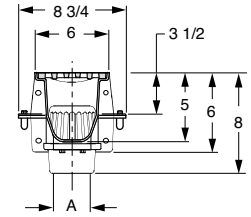
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C03, C04, C05, C06, C08	**N/C**
No-Hub	Y03, Y04, Y05, Y06, Y08	**N/C**

OPTIONS:		ADD "A" (Outlet) Per Section	ADD "B" (Add'l) Per Section
-ARIO	ARC In and Out	**849.00**	**849.00**
-B	Sediment Bucket	**557.00**	
-C	Flashing Clamp	**172.00**	**172.00**
-DBSCI	Dome Bottom Strainer, CI	**311.00**	
-EO	End Outlet		**422.00**
-G	Galvanized CI	**707.00**	**707.00**
-M	Ductile Iron Grate	**786.00**	**786.00**
-NBHP	Heelproof, add to CI	**1,606.00**	**1,606.00**
-PBHP	Heelproof, add to CI	**1,465.00**	**1,465.00**
-U	Vandal Proof Screws	**218.00**	**218.00**
-VCI	Backwater Valve, CI	**861.00**	
-VG	Backwater Valve, Galv. CI	**1,136.00**	

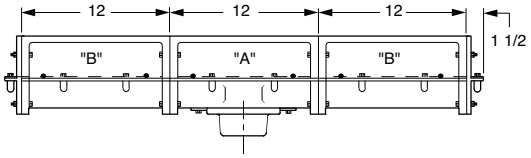
NOTE: The above option prices are per section.

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



End Section View



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	**1,637.00**	**2,873.00**	**2,998.00**	51
Ea Add'l 12" Section			**1,147.00**	**2,873.00**	**2,998.00**	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	**86.00**
No-Hub	Y02, Y03, Y04	**N/C**

OPTIONS:		ADD "A" (Outlet) Per Section	ADD "B" (Add'l) Per Section
-ARIO	ARC In and Out	**575.00**	**575.00**
-EO	End Outlet		**398.00**
-F	Anchor Flange	**N/C**	**N/C**
-FC	Flange and Flashing Clamp	**172.00**	**172.00**
-G	Galvanized CI	**354.00**	**354.00**
-M	Ductile Iron Grate	**357.00**	**357.00**
-SG	Slotted CI Grate	**199.00**	**199.00**
-U	Vandal Proof Screws	**267.00**	**267.00**

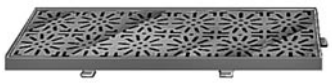
NOTE: The above option prices are per section.

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

FIG. 2900 SERIES DECORATIVE TRENCH GRATING LAID IN LONG DIMENSION

OPTIONS: **ADD**
-U Vandal Proof (per grate).....**POA**



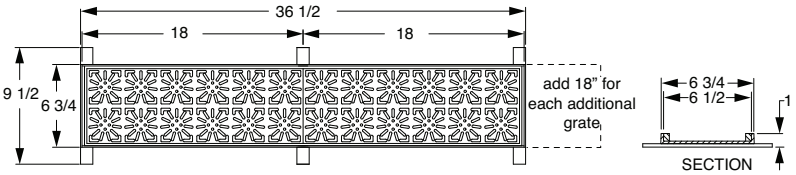


Fig. 2902 SHOWN

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	**POA**	**POA**	**POA**	**POA**
PB Polished Bronze	6 x 18"	29.5	**POA**	**POA**	**POA**	**POA**
NB Nickel Bronze	6 x 18"	29.5	**POA**	**POA**	**POA**	**POA**
Approx. Wt. Lbs.			12	15	32	15(ea)

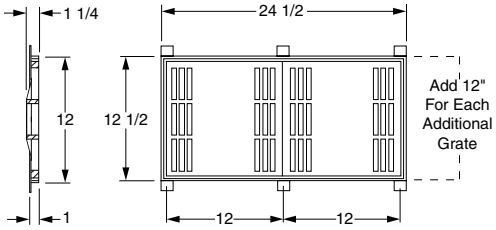
*This applies to continuous runs of frame & grates only.

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).....**POA**

Add to cut Grate.....**POA**

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	**POA**	**POA**	**POA**	**POA**
G Galvanized CI	12 x 12"	61.5	**POA**	**POA**	**POA**	**POA**
RB Rough Bronze	12 x 12"	61.5	**POA**	**POA**	**POA**	**POA**
PB Polished Bronze	12 x 12"	61.5	**POA**	**POA**	**POA**	**POA**
NB Nickel Bronze	12 x 12"	61.5	**POA**	**POA**	**POA**	**POA**
Approx. Wt. Lbs.			18	34	68	34(ea)
ADD FOR: M Ductile Iron	12 x 12"		**POA**	**POA**	**POA**	**POA**

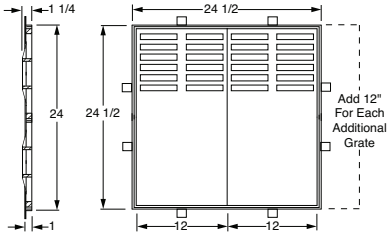
*This applies to continuous runs of frame & grates only.

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.

FIG. 2920 SERIES LIGHT DUTY TRENCH GRATING LAID IN WIDE DIMENSION



OPTIONS: **ADD**
-U Vandal Proof Screws, (per grate) **431.00**

Add to cut Grate **259.00**

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	**2,540.00**	**3,381.00**	**4,222.00**	**841.00**
G Galvanized CI	12 x 24"	69.5	**3,300.00**	**4,521.00**	**5,743.00**	**1,222.00**
RB Rough Bronze	12 x 24"	69.5	**6,195.00**	**8,910.00**	**11,624.00**	**2,715.00**
PB Polished Bronze	12 x 24"	69.5	**7,108.00**	**10,324.00**	**13,541.00**	**3,217.00**
NB Nickel Bronze	12 x 24"	69.5	**7,721.00**	**11,159.00**	**14,596.00**	**3,437.00**
Approx. Wt. Lbs.			69	98	132	34(ea)
ADD FOR: M Ductile Iron	12 x 24"		**2,304.00**	**3,456.00**	**4,609.00**	**1,152.00**

*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 length0.

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

†REGULARLY FURNISHED

FIG. 2940 SERIES MEDIUM DUTY TRENCH GRATING LAID IN LONG DIMENSION

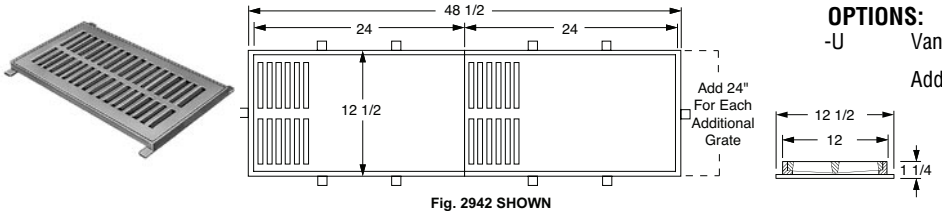


Fig. 2942 SHOWN

OPTIONS: **ADD**
-U Vandal Proof Screws, (per grate) ..... **POA**
Add to cut Grate ..... **POA**

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	**POA**	**POA**	**POA**	**POA**
G Galvanized CI	12 x 24"	69.5	**POA**	**POA**	**POA**	**POA**
RB Rough Bronze	12 x 24"	69.5	**POA**	**POA**	**POA**	**POA**
PB Polished Bronze	12 x 24"	69.5	**POA**	**POA**	**POA**	**POA**
NB Nickel Bronze	12 x 24"	69.5	**POA**	**POA**	**POA**	**POA**
Approx. Wt. Lbs.			69	98	132	34(ea)
ADD FOR: M Ductile Iron	12 x 24"		**POA**	**POA**	**POA**	**POA**

*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. 2950 SERIES MEDIUM DUTY TRENCH GRATING LAID IN WIDE DIMENSION

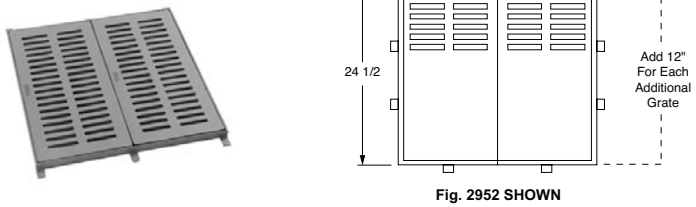


Fig. 2952 SHOWN

OPTIONS: **ADD**
-U Vandal Proof Screws, (per grate) **431.00**
Add to cut Grate **259.00**

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	**3,328.00**	**4,854.00**	**6,381.00**	**1,527.00**
G Galvanized CI	12 x 24"	69.5	**5,676.00**	**8,312.00**	**10,947.00**	**2,635.00**
RB Rough Bronze	12 x 24"	69.5	**8,664.00**	**12,917.00**	**17,170.00**	**4,253.00**
PB Polished Bronze	12 x 24"	69.5	**10,006.00**	**14,962.00**	**19,918.00**	**4,956.00**
NB Nickel Bronze	12 x 24"	69.5	**10,770.00**	**16,163.00**	**21,556.00**	**5,393.00**
Approx. Wt. Lbs.			69	98	132	34(ea)
ADD FOR: M Ductile Iron	12 x 24"		**2,304.00**	**3,456.00**	**4,609.00**	**1,152.00**

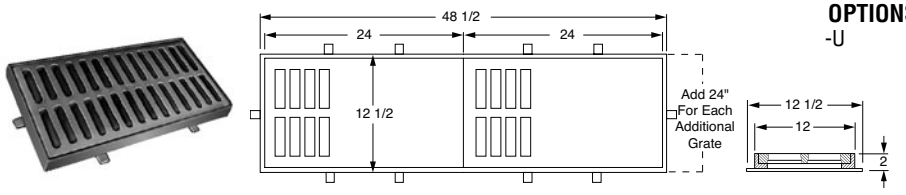
*This applies to continuous runs of frame & grates only.

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) **411.00**
Add to cut Grate **248.00**

GRATE MATERIAL	GRATE SIZE	SINGLE GRATE FREE AREA SQ IN	2970 GRATE ONLY	2971 GRATE w/FRAME	2972 2 GRATES w/FRAME	*ADD'L GRATE & FRAME
CI Duco Cast Iron†	12 x 24"	123	**1,365.00**	**2,829.00**	**4,934.00**	**2,104.00**
G Galvanized CI	12 x 24"	123	**3,013.00**	**4,476.00**	**8,228.00**	**3,752.00**
RB Rough Bronze	12 x 24"	123	**4,706.00**	**8,144.00**	**14,535.00**	**6,392.00**
PB Polished Bronze	12 x 24"	123	**5,433.00**	**8,898.00**	**16,577.00**	**7,679.00**
NB Nickel Bronze	12 x 24"	123	**5,772.00**	**9,742.00**	**17,991.00**	**8,249.00**
Approx. Wt. Lbs.			69	98	132	34(ea)
ADD FOR: M Ductile Iron	12 x 24"		**1,450.00**	**1,450.00**	**2,901.00**	**1,450.00**

*This applies to continuous runs of frame & grates only.

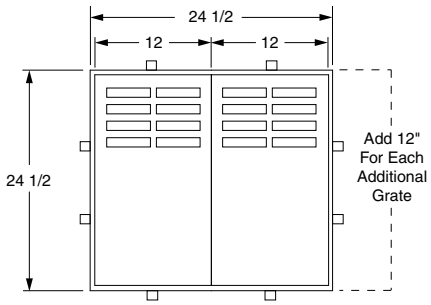
Fig. 2970 .....1 Grate only - 12 x 24
Fig. 2971 .....1 Grate with Frame - 12 1/2 x 24 1/2
Fig. 2972 .....2 Grates with Frame - 12 1/2 x 48 1/2

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.

†REGULARLY FURNISHED

FIG. 2980 SERIES HEAVY DUTY TRENCH GRATING LAID IN WIDE DIMENSION



OPTIONS: **ADD**

-U	Vandal Proof Screws, (per grate)	**431.00**
	Add to cut Grate	**332.00**

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	**3,809.00**	**5,468.00**	**7,127.00**	**1,659.00**
G	Galvanized CI	12 x 24"	123	**6,861.00**	**10,274.00**	**13,686.00**	**3,413.00**
RB	Rough Bronze	12 x 24"	123	**11,380.00**	**16,112.00**	**20,844.00**	**4,732.00**
PB	Polished Bronze	12 x 24"	123	**13,094.00**	**18,626.00**	**24,157.00**	**5,532.00**
NB	Nickel Bronze	12 x 24"	123	**14,280.00**	**20,281.00**	**26,282.00**	**6,001.00**
	Approx. Wt. Lbs.			69	98	132	34(ea)
ADD FOR:							
M	Ductile Iron	12 x 24"	123	**2,688.00**	**4,031.00**	**5,374.00**	**1,343.00**

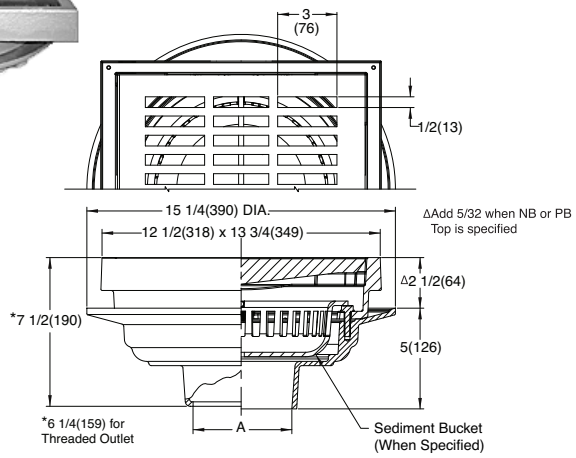
*This applies to continuous runs of frame & grates only.

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).

REGULARLY FURNISHED: Duco Cast Iron Grate with Steel Frame.

FIG. SQ-2-1717 EXTRA HEAVY DUTY FLOOR DRAIN



OPTIONS: **ADD**

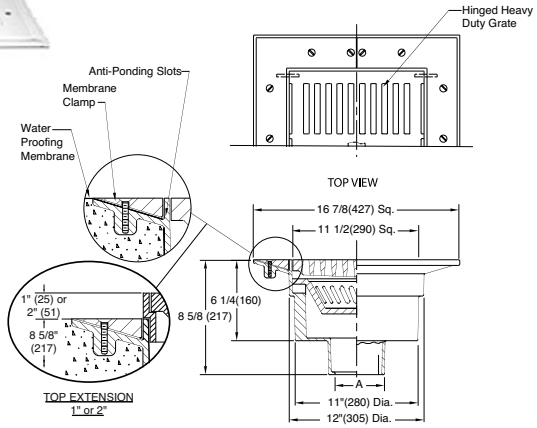
-ARC	Acid Resistance Coating	**492.00**
-ADJ	Adjustable Extension	**603.00**
-ADJ-B	Adjustable Extension w/ Bucket	**830.00**
-B	Bucket Only	**228.00**
-E	Solid Extension up to 4"	**521.00**
-FBS	Flat Bottom Strainer	**110.00**
-GB	Galvanized Body Only	**321.00**
-GG	Galvanized DI Top Assembly	**550.00**
-P	Trap Primer Connection 1/2"	**29.00**
-VP	Vandal Proof Top	**186.00**
-V	Squeeze in BWV	**91.00**

*Ductile iron grate standard

A OUTLET SIZE	TOP SIZE	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02"	12"	**1,260.00**	**2,278.00**	**2,339.00**	54
03"	12"	**1,260.00**	**2,278.00**	**2,339.00**	54
04"	12"	**1,260.00**	**2,278.00**	**2,339.00**	54
06"	12"	**1,512.00**	**2,529.00**	**2,589.00**	54

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Ductile Iron Slotted Hinged Grate.

FIG. SQ-2-2347 HEAVY DUTY PARKING DRAIN



OPTIONS:

		ADD
-TE1	1" Top Extension	**280.00**
-TE2	2" Top Extension	**422.00**

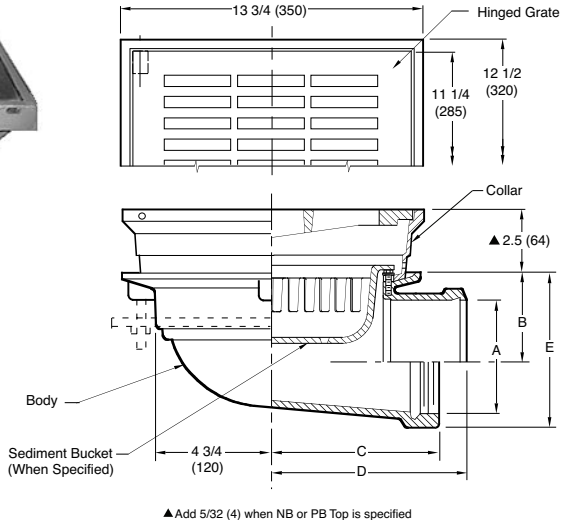
Note:
1. This drain is rated for 5500 lbs of static live load. If your application exceeds this please use SQ-2717.
2. The acid resistant coating is not traffic (vehicular or pedestrian) rated coating. Abrasion due to traffic will wear away the coating.

* Available on website

A OUTLET SIZE	TOP SIZE	EPOXY ALUMINUM	APPROX. WEIGHT LBS
04"	12" x 2"	**2,633.00**	35
06"	12" x 2"	**2,633.00**	35

REGULARLY FURNISHED: White Acid Resistant Coated Aluminum Alloy Body, Surface Membrane Clamping Collar, Anti-Ponding Slots, Sediment Bucket and Heavy Duty Anti-Tilt Hinged Slotted Grate with Stainless Steel Hinge Pins

FIG. SQ-2-2647 EXTRA HEAVY DUTY FLOOR DRAIN



▲Add 5/32 (4) when NB or PB Top is specified

OPTIONS:

		ADD
-ARC	Acid Resistance Coating	**492.00**
-ADJ	Adjustable Extension	**603.00**
-ADJ-B	Adjustable Extension w/ Bucket	**830.00**
-B	Bucket Only	**228.00**
-E	Solid Extension up to 4"	**521.00**
-FBS	Flat Bottom Strainer	**108.00**
-GB	Galvanized Body Only	**321.00**
-GG	Galvanized DI Top Assembly	**550.00**
-P	Trap Primer Connection 1/2"	**29.00**
-VP	Vandal Proof Top	**186.00**
-V	Squeeze in BWV	**91.00**

*All Galvanized is cold dipped.

A OUTLET SIZE	TOP SIZE	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WEIGHT LBS
02, 03, 04"	12"	**2,157.00**	**3,619.00**	**3,619.00**	85
05, 06"	12"	**2,157.00**	**3,619.00**	**3,619.00**	85

REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Cast Iron Hinged Bar Grate

†REGULARLY FURNISHED

SANITARY FLOOR, AREA & INDIRECT WASTE DRAINS

STAINLESS STEEL SANI-CEPTOR®

Fig. 3001

Fig. DX3001

Fig. 3001NB

SANI-CEPTOR® WITH NICKEL BRONZE TOPS

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

FIXED AIR GAPS

Fig. 3950

Fig. 3951

"ROOF-CEPTORS"®

Fig. 3960

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

*All variation suffixes are to be shown in parenthesis.

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.

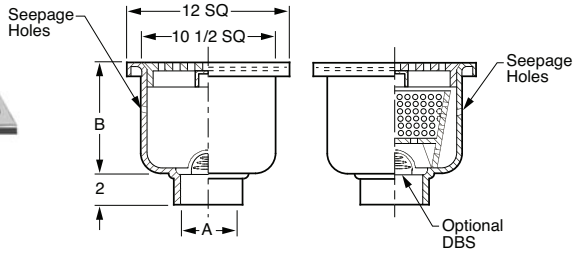
Strainers and Buckets for A.R.C. SANI-CEPTORS are furnished in light weight corrosion resistant aluminum because dropping a heavy cast iron strainer or bucket could chip or damage the coating causing almost irreparable damage. **Stainless Steel** SANI-CEPTORS are furnished with SS strainers and buckets. 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.

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

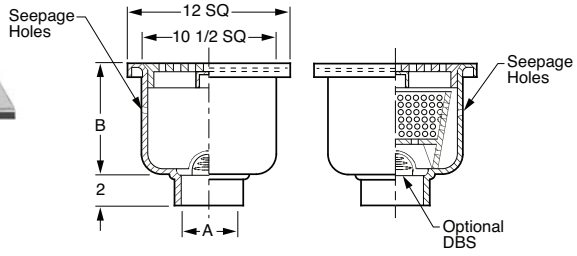


WITH DOME BOTTOM STRAINER | WITH SEDIMENT BUCKET

REGULARLY FURNISHED:

3001 Series: 14 Gauge 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. Body Interior, Dome Bottom Strainer and Sediment Bucket are polished to No. 4 finish.

3001 SERIES



WITH DOME BOTTOM STRAINER | WITH SEDIMENT BUCKET

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. 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	POA
-U	Vandal Proof Grate	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/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)

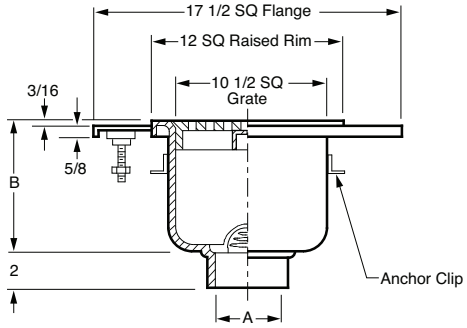
		DEDUCT
-10	Less Stainless Steel Grate	POA

		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
-62	With Type 304 SS Medium Duty Ribbed Loose-set Non-tilt Grate with 1/2" 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

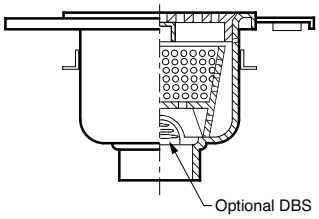
MODELS WITH 12 1/2" NICKEL BRONZE TOPS (SUFFIX NB)

		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



WITH DOME BOTTOM STRAINER



WITH SEDIMENT BUCKET

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**

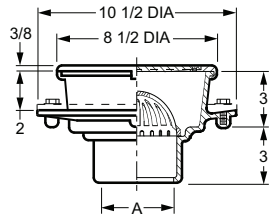
OPTIONS:		ADD
-AB	With 1/4 x 2 1/2 SS Anchor Bolts	**POA**
-AS	With 1/4 x 2 1/2 SS Anchor Screws	**POA**
-FT	With Flange Top set 3/8" or 1/2" Below Top of Rim and Grate	**POA**
-P	Trap Primer Connection	**POA**
-U	Vandal Proof Grate	**POA**
-SG	With Screed Guide	**POA**
-T	Male or Female Threaded Outlet	**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)

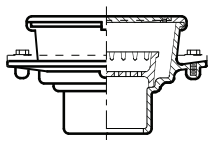
		DEDUCT
-10	Less Stainless Steel Grate	**POA**
		ADD
-12	With Type 304 SS 1/2 Grate	**POA**
-13	With Type 304 SS 3/4 Grate	**POA**
-14	With Type 304 SS Grate with 2 1/2" SQ Center Hole	**POA**
-15	With Type 304 SS Recessed Grate with Bar Handle	**POA**
-21	With Type 304 SS Grate with 4" DIA NB Funnel	**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**
-62	With Type 304 SS Medium Duty Ribbed Loose-set Non-tilt Grate with 1/2" 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. 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

3020 SERIES

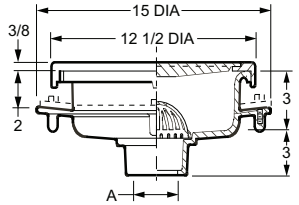


WITH DOME BOTTOM STRAINER

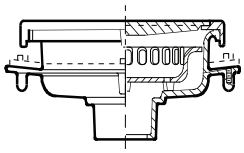


WITH SEDIMENT BUCKET

3030 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
3020	02, 03, 04"	8 1/2"	17.35	**1,784.00**	-	15
3021	02, 03, 04"	8 1/2"	17.35	-	**2,025.00**	16
**3030	02, 03, 04"	12 1/2"	30	**2,417.00**	-	23
**3031	02, 03, 04"	12 1/2"	30	-	**2,708.00**	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.

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	53.00
No-Hub**	Y02, Y03, Y04	N/C

OPTIONS:		3020 SER.	ADD 3030 SER.
-C	Flashing Clamp	180.00	180.00
-DBSE	ARC Dome Bottom Strainer	292.00	335.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	176.00	176.00
-PDBS	Polished Alum DBS	53.00	53.00
-U	Vandal Proof Screws	147.00	71.00
-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	169.00	160.00
-15	W/NB Rim and Alum Recessed Grate	176.00	349.00
-19	W/NB Rim and Hinged Grate	321.00	349.00
-21	W/NB Rim & Grate w/4" Dia NB Funnel	363.00	392.00
-22	W/NB Rim & Grate w/6" Dia NB Funnel	470.00	578.00
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	512.00	805.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	392.00	392.00
-41	W/NB Rim and Solid Cover	155.00	208.00
-42	W/NB Rim and 1/2 Solid Cover	155.00	208.00
-43	W/NB Rim and 3/4 Solid Cover	155.00	208.00
-44	W/NB Rim and Solid Cvr 2 1/2" Dia Ctr Hole	316.00	368.00
-51	W/Square NB Rim and NB Grate	398.00	445.00
			DEDUCT
-CI	Duco Cast Iron Receptor	152.00	260.00
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	20.00	20.00
-10	Less NB Rim & Grate	532.00	983.00
-11	Less Grate, with NB Rim	260.00	506.00
	Less Flange (Specify Fig. 3025, 3026 3035, 3036)	Contact factory	

*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 with Gasket will be substituted.

FIG. DX3027 SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, WIDE FLANGE, ROUND NICKEL BRONZE TOP

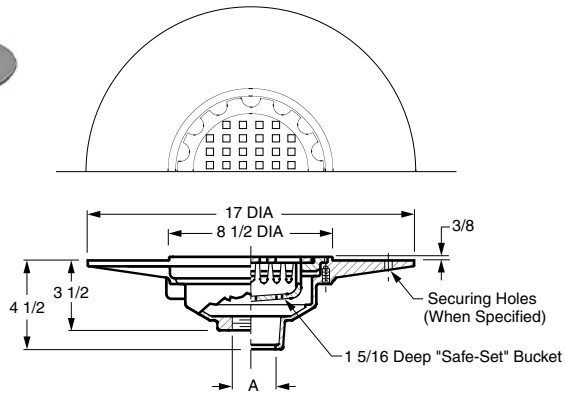


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	PB TOP	†NB TOP	APPROX. WEIGHT LBS
DX3027	02, 03, 04"	8 1/2"	14.1	**1,418.00**	**1,784.00**	25

REGULARLY FURNISHED: Cast Iron Body with Acid Resistant Coated Interior and Nickel Bronze Top with Sediment Bucket and ADA Grate.

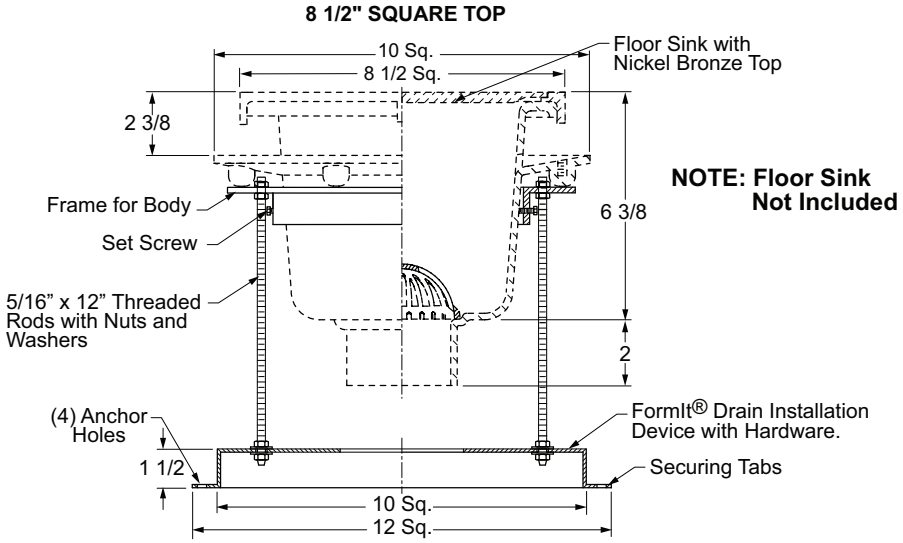
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Inside Caulk	C02, C03, C04	N/C
Threaded	T02, T03, T04	72.00
No-Hub	Y02, Y03, Y04, Y05, Y06	See Fig. 2646Y for list add to THREADED body

OPTIONS:		ADD
-SH	Securing Holes	111.00
-U	Vandal Proof Screws	53.00
		DEDUCT
-LBGNB	Less NB Bucket & Grate	86.00
-LBGPB	Less PB Bucket & Grate	78.00

†REGULARLY FURNISHED

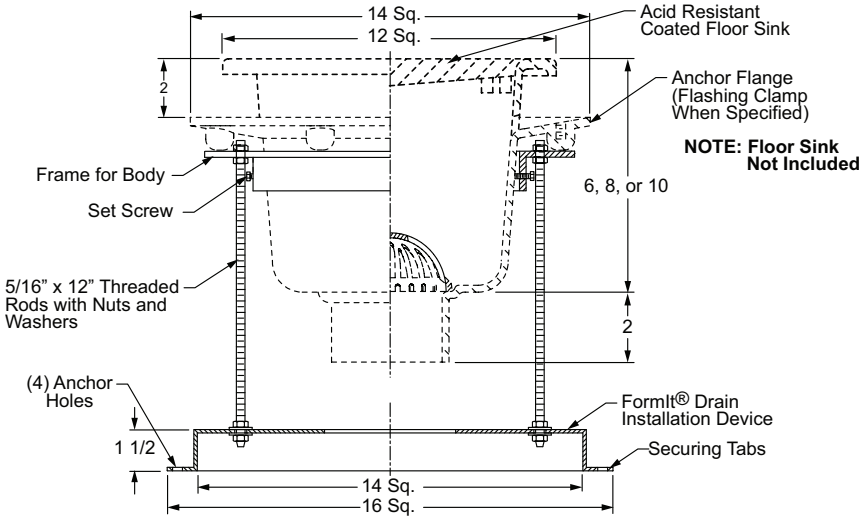
FIG. 3038-DID FORMIT® DRAIN INSTALLATION DEVICE FOR 8 1/2" SQUARE ENAMELED FLOOR SINK SERIES



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.**

†REGULARLY FURNISHED

FIG. DX3068 SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, WIDE FLANGE, ROUND NICKEL BRONZE TOP

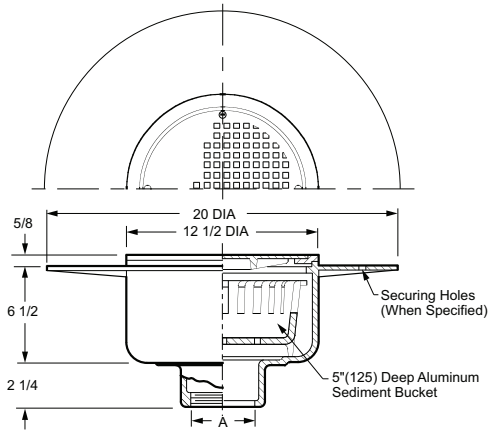


FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	PB TOP	†NB TOP	APPROX. WEIGHT LBS
DX3068	02, 03, 04"	12 1/2"	30	**2,902.00**	**3,282.00**	43
DX3068	05, 06"	12 1/2"	30	**2,902.00**	**3,282.00**	43

REGULARLY FURNISHED: Cast Iron Body with Acid Resistant Coated Interior and Nickel Bronze Top with Sediment Bucket and 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, C05, C06	**N/C**
Speedi-Seal Gasket*	02, 03, 04	**53.00**
Threaded	T02, T03, T04	**72.00**
No-Hub	Y02, Y03, Y04, Y05, Y06	**See Fig. 2646Y**

OPTIONS:		ADD
-SH	Securing Holes	**122.00**
-U	Vandal Proof Screws	**95.00**
-12	W/NB Rim and 1/2 Grate	**N/C**
-16	W/NB Rim & Heelproof Grate	**1,064.00**
		DEDUCT
-11	Less Grate, with NB Rim	**N/C**

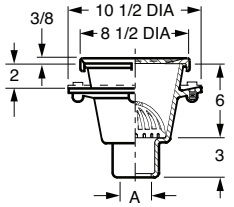
*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

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.

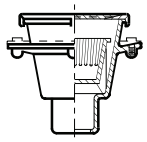
FIG. 3040 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ROUND NICKEL BRONZE TOP
FIG. 3060 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ROUND NICKEL BRONZE TOP

3040



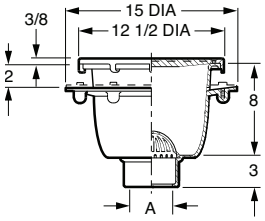
WITH DOME BOTTOM STRAINER

3041



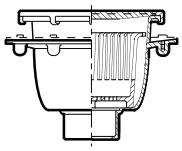
WITH SEDIMENT BUCKET

3060



WITH DOME BOTTOM STRAINER

3061



WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DOME BOTTOM STRAINER	†SEDIMENT BUCKET	APPROX. WEIGHT LBS
3040	02, 03, 04"	8 1/2"	17.35	**2,132.00**	-	22
3041	02, 03, 04"	8 1/2"	17.35	-	**2,337.00**	23
3060	02, 03, 04"	12 1/2"	30	**3,288.00**	-	35
3061	02, 03, 04"	12 1/2"	30	-	**3,871.00**	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	**N/C**
Speedi-Set® Outlet SW	L02, L03, L04 (3040, 3041 only)	**53.00**
Speedi-Set® Outlet SW	L02, L03 (3060, 3061 only)	**53.00**
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04 (3040, 3041 only)	**53.00**
Speedi-Set® Outlet XH	LXH02, LXH03 (3060, 3061 only)	**53.00**
Spe?edi-Seal Gasket*	02, 03, 04	**53.00**
No-Hub	Y02, Y03, Y04	**N/C**

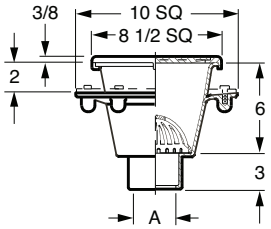
OPTIONS:		3040 SER.	ADD 3060 SER.
-C	Flashing Clamp	**180.00**	**180.00**
-DBSE	ARC Dome Bottom Strainer	**292.00**	**292.00**
-G	All Galvanized Receptor	**N/CN/C**	
-P	Trap Primer Connection	**176.00**	**176.00**
-PDBS	Polished Alum DBS	**65.00**	**65.00**
-U	Vandal Proof Screws	**147.00**	**71.00**
-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	**169.00**	**160.00**
-15	W/NB Rim and Alum Recessed Grate	**176.00**	**429.00**
-19	W/NB Rim and Hinged Grate	**321.00**	**349.00**
-21	W/NB Rim & Grate w/4" Dia NB Funnel	**363.00**	**392.00**
-22	W/NB Rim & Grate w/6" Dia NB Funnel	**470.00**	**578.00**
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	**511.00**	**805.00**
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	**392.00**	**392.00**
-41	W/NB Rim and Solid Cover	**155.00**	**208.00**
-42	W/NB Rim and 1/2 Solid Cover	**155.00**	**208.00**
-43	W/NB Rim and 3/4 Solid Cover	**155.00**	**208.00**
-44	W/NB Rim and 2 1/2" Dia Center Hole	**316.00**	**368.00**
-51	W/Square NB Rim and NB Grate	**398.00**	**445.00**
			DEDUCT
-CI	Duco Cast Iron Receptor	**152.00**	**260.00**
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	**20.00**	**20.00**
-10	Less NB Rim & Grate	**532.00**	**983.00**
-11	Less Grate, with NB Rim	**260.00**	**506.00**

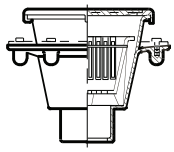
Less Flange

For 3040, Specify 3045
For 3041, Specify 3046
For 3060, Specify 3065
For 3061, Specify 3066

†REGULARLY FURNISHED

3100 SERIES





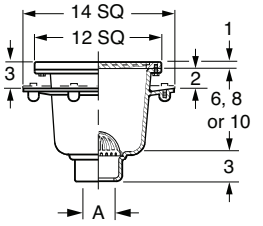
WITH DOME BOTTOM STRAINER

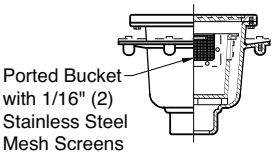
WITH SEDIMENT BUCKET

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	†DOME BOTTOM STRAINER	†ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS
3100	02, 03, 04"	8 1/2"	19.43	**2,549.00**	-	22
3101	02, 03, 04"	8 1/2"	19.43	-	**2,761.00**	23

3110 SERIES





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 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	**3,947.00**	-	35
3111	02, 03, 04"	12"	6	42	-	**4,263.00**	54
3120	02, 03, 04"	12"	8	42	**3,031.00**	-	52
3121	02, 03, 04"	12"	8	42	-	**3,343.00**	57
3130	02, 03, 04"	12"	10	42	**4,021.00**	-	59
3131	02, 03, 04"	12"	10	42		**4,336.00**	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® Outlet SW	L02, L03, L04	**53.00**
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04	**53.00**
Speedi-Seal Gasket*	02, 03, 04	**53.00**
No-Hub	Y02, Y03, Y04	**N/C**

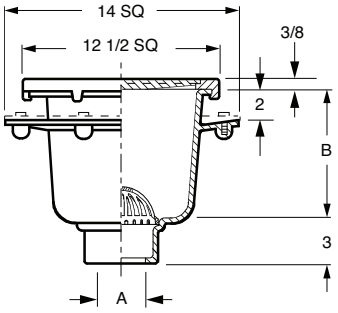
	OPTIONS:	3100 SERIES ADD	3110/3120/3130 SERIES ADD
-BS	SS Mesh Lined Bkt (Bkt Models Only)	**501.00**	**501.00**
-C	Flashing Clamp	**354.00**	**559.00**
-DBSE	ARC Dome Bottom Strainer	**292.00**	**335.00**
-DID	Drain Installation Device	**235.00**	**235.00**
-G	All Galvanized Receptor	**N/C**	**N/C**
-PDBS	Polished Alum DBS	**53.00**	**53.00**
-P	Trap Primer Connection	**180.00**	**180.00**
-SBP	Solid Bottom Ported Bucket w/Mesh Screen (Bucket Models Only)	-	**501.00**
-U	Vandal Proof Screws	**95.00**	**95.00**
-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	**169.00**	**169.00**
-15	W/NB Rim and Alum Recessed Grate	**183.00**	**183.00**
-18	W/NB Rim and Angle Grate	-	**1,089.00**
-19	W/NB Rim and Hinged Grate	**376.00**	**376.00**
-21	W/NB Rim & Grate w/4" Dia NB Funnel	**407.00**	**407.00**
-22	W/NB Rim & Grate w/6" Dia NB Funnel	**609.00**	**609.00**
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	**855.00**	**855.00**
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	**408.00**	**408.00**
-41	W/NB Rim and Solid Cover	**183.00**	**222.00**
-42	W/NB Rim and 1/2 Solid Cover	**183.00**	**222.00**
-43	W/NB Rim and 3/4 Solid Cover	**183.00**	**222.00**
-44	W/NB Rim and Solid Cvr 2 1/2" Dia Ctr Hole	**423.00**	**423.00**
-69	W/NB Rim and XH Stainless Steel Secured Grate (12") tops)	-	**POA**

		DEDUCT	
-CI	Duco Cast Iron Receptor	**152.00**	**260.00**
-FBS	Alum. Flat Bottom Strainer (Replaces DBS)	**20.00**	**20.00**
-10	Less NB Rim & Grate	**532.00**	**532.00**
-11	Less Grate, with NB Rim	**260.00**	**446.00**

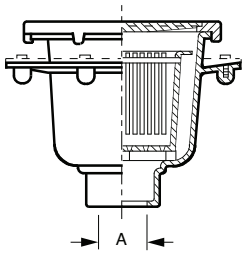
Less Flange
For 3120, Specify 3125 (Caulk outlet only)
For 3121, Specify 3126 (Caulk outlet only)

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

FIG. 3140, 3150, 3160 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM, DEEP & EXTRA DEEP RECEPTORS, SQUARE NB TOP



WITH DOME BOTTOM STRAINER



WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	SUMP DEPTH	FREE AREA SQ IN	†DOME BOTTOM STRAINER	†ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS
3140	02, 03, 04"	12 1/2"	6	42	**3,947.00**	-	50
3141	02, 03, 04"	12 1/2"	6	42	-	**4,263.00**	54
3150	02, 03, 04"	12 1/2"	8	42	**3,031.00**	-	54
3151	02, 03, 04"	12 1/2"	8	42	-	**3,343.00**	57
3160	02, 03, 04"	12 1/2"	10	42	**4,021.00**	-	59
3161	02, 03, 04"	12 1/2"	10	42	-	**4,336.00**	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® Outlet SW	L02, L03, L04	**53.00**
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04	**53.00**
Speedi-Seal Gasket*	02, 03, 04	**53.00**
No-Hub	Y02, Y03, Y04	**N/C**

OPTIONS:		ADD
-BS	SS Mesh Lined Bucket (Bucket Models Only)	**501.00**
-C	Flashing Clamp	**180.00**
-DBSE	ARC Dome Bottom Strainer	**335.00**
-DID	Drain Installation Device	**235.00**
-G	All Galvanized Receptor	**N/C**
-P	Trap Primer Connection	**180.00**
-PDBS	Polished Alum DBS	**65.00**
-SBP	Solid Bottom Ported Bkt w/SS mesh (Bucket Models Only)	**501.00**
-U	Vandal Proof Screws	**95.00**
-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 Hole	**175.00**
-15	W/NB Rim & Alum Recess Grate	**189.00**
-16	W/NB Rim & Heelproof Grate	**688.00**
-18	W/NB Rim & Angle Grate	**1,178.00**
-19	W/NB Rim and Hinged Grate	**346.00**
-21	W/NB Rim & Grate w/4" NB Funnel	**422.00**
-22	W/NB Rim & Grate w/6" NB Funnel	**624.00**
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	**870.00**
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	**416.00**
-41	W/NB Rim and Solid Cover	**225.00**
-42	W/NB Rim and 1/2 Solid Cover	**225.00**
-43	W/NB Rim and 3/4 Solid Cover	**225.00**
-44	W/NB Rim and Solid Cover 2 1/2" Dia Center Hole	**398.00**

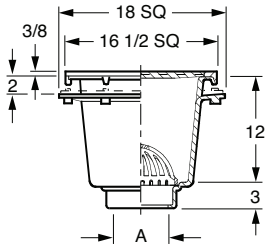
		DEDUCT
-CI	Duco Cast Iron Receptor	**260.00**
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	**20.00**
-10	Less NB Rim & Grate	**971.00**
-11	Less Grate, with NB Rim	**483.00**

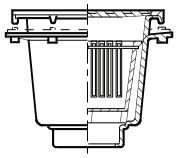
Less Flange
For 3150, Specify 3155 (Caulk outlet only)
For 3151, Specify 3156 (Caulk outlet only)

*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

3200 SERIES





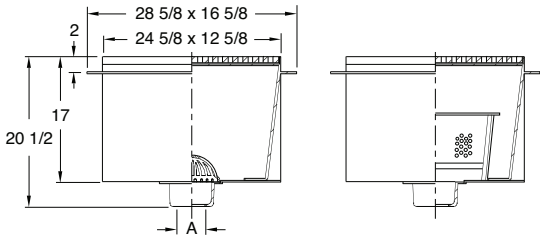
WITH DOME BOTTOM STRAINER

WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DOME BOTTOM STRAINER	†SEDIMENT BUCKET	APPROX. WEIGHT LBS
3200	02, 03, 04"	16 1/2"	77	**8,363.00**	-	83
3200	05, 06, 08"	16 1/2"	77	**8,363.00**	-	83
3201	02, 03, 04"	16 1/2"	77	-	**9,251.00**	87
3201	05, 06, 08"	16 1/2"	77	-	**9,251.00**	87

REGULARLY FURNISHED: 3200 Series: 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.

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	**11,156.00**	-	134
3250	05, 06"	24 x 12"	125	**11,156.00**	-	134
3251	02, 03, 04"	24 x 12"	125	-	**12,879.00**	134
3251	05, 06"	24 x 12"	125	-	**12,879.00**	134

REGULARLY FURNISHED:

3250 Series: Fabricated Steel Flanged Receptor with Acid Resistant Coated Interior and Nickel Bronze Rim and Secured ADA Grate. 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	**53.00**
No-Hub	Y03, Y04	**POA**
	Y06 (3200 Ser. Only)	**POA**

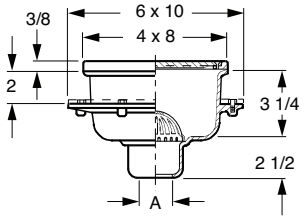
	OPTIONS:	3200 SERIES	ADD 3250 SERIES
-ASB	Aluminum Slotted Bucket (Bkt Models Only)	**N/C**	**N/C**
-BS	SS Mesh Lined Bkt (Bkt Models Only)	**1,001.00**	-
-C	Flashing Clamp	**516.00**	**516.00**
-DBSE	ARC Dome Bottom Strainer	**335.00**	**53.00**
-G	All Galvanized Receptor	**N/C**	**N/C**
-P	Trap Primer Connection	**181.00**	**346.00**
-PDBS	Polished Alum DBS	**65.00**	**53.00**
-U	Vandal Proof Screws	**95.00**	**71.00**
-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	**175.00**	**N/C**
-21	W/NB Rim & Grate w/4" NB Funnel	**422.00**	**422.00**
-22	W/NB Rim & Grate w/6" NB Funnel	**624.00**	**624.00**
-25	W/NB Rim & Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	**870.00**	**870.00**
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	**422.00**	**422.00**
-41	W/NB Rim and Solid Cover	**653.00**	**653.00**
-42	W/NB Rim and 1/2 Solid Cover	**653.00**	**653.00**
-43	W/NB Rim and 3/4 Solid Cover	**653.00**	**653.00**
-44	W/NB Rim & Solid Cvr 2 1/2" Dia Center Hole	**886.00**	**886.00**

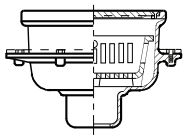
		DEDUCT
-CI	Duco Cast Iron Receptor	**346.00** / **426.00**
-FBS	Aluminum Flat Bottom Strainer (Replaces DBS)	**20.00** / **22.00**
-10	Less NB Rim & Grate	**2,045.00** / **2,045.00**
-11	Less Grate, with NB Rim	**1,027.00** / **1,234.00**
	Less Flange (Specify Fig. 3205, 3206)	**Contact factory**

*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. 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

3300 SERIES

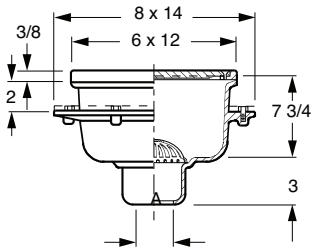


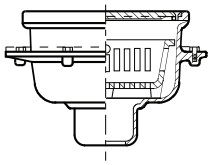


WITH DOME BOTTOM STRAINER

WITH SEDIMENT BUCKET

3320 SERIES





WITH DOME BOTTOM STRAINER

WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DOME BOTTOM STRAINER	†SEDIMENT BUCKET	APPROX. WEIGHT LBS
**3300	02, 03"	4 x 8"	6.7	**2,172.00**	-	17
**3301	02, 03"	4 x 8"	6.7	-	**2,378.00**	19
**3320	02, 03, 04"	6 x 12"	16.1	**2,836.00**	-	38
**3321	02, 03, 04"	6 x 12"	16.1	-	**3,042.00**	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.

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® Outlet SW	L02 (3300 Ser.)	53.00
Speedi-Set® Outlet XH	LXH02 (3300 Ser.)	53.00
Speedi-Seal Gasket*	02, 03 (3300 Ser.)	53.00
	02, 03, 04 (3320 Ser.)	53.00
No-Hub**	Y03 (3300 Ser.)	N/C

OPTIONS:

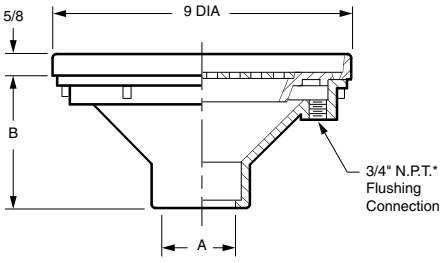
		3300 SERIES ADD	3320 SERIES ADD
-C	Flashing Clamp	292.00	292.00
-DBSE	ARC Dome Bottom Strainer	335.00	335.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	181.00	176.00
-PDBS	Polished Alum DBS	53.00	53.00
-U	Vandal Proof Screws	95.00	71.00
-12	W/NB Rim and 1/2 Grate	N/C	N/C
-14	W/NB Rim and Grate w/ 2 1/2" Center Hole	169.00	169.00
-15	W/NB Rim and Alum Recessed Grate	189.00	316.00
-21	W/NB Rim & Grate w/4" Dia NB Funnel	422.00	422.00
-22	W/NB Rim & Grate w/6" Dia NB Funnel	624.00	578.00
-25	W/NB Rim & Grate w/ 8 1/4 x 3 1/4 x 4 1/2 Oval NB Funnel	870.00	805.00
-26	W/NB Rim & Grate w/6 x 2 1/2 x 1 Oval NB Funnel	422.00	392.00
-31	W/NB Rim and Extra Heavy Grate	436.00	-
-41	W/NB Rim and Solid Cover	166.00	166.00
-42	W/NB Rim and 1/2 Solid Cover	166.00	166.00

		DEDUCT
-CI	All Duco Cast Iron Receptor	152.00 / 260.00
-FBS	Alum. Flat Bottom Strainer (Replaces DBS)	22.00 / 20.00
-10	Less NB Rim & Grate	373.00 / 422.00
-11	Less Grate, with NB Rim	302.00 / 337.00
	Less Flange (Specify Fig. 3305, 3306 3325, 3326)	Contact factory

*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 with Gasket will be substituted.

†REGULARLY FURNISHED

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	**NC**
Speedi-Seal Gasket*	02	**53.00**
Threaded	T0150, T02, T03	**102.00**
No-Hub	Y0150, Y02, Y03	**See Fig. 2646Y**

OPTIONS:		DEDUCT
-CI	Duco CI Receptor	**380.00**

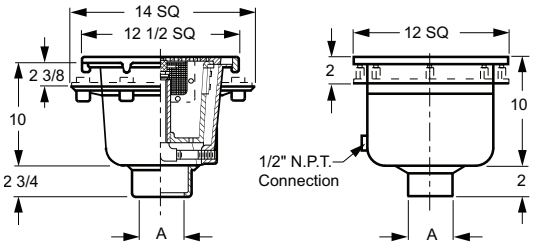
For Water Supply Control Boxes, See Fig 3380-3385

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	**1,548.00**	**1,630.00**	15
03"	3 1/2"	7.20	**1,548.00**	**1,630.00**	15

REGULARLY FURNISHED: Cast Iron Body with Acid Resistant Coated Interior and Nickel Bronze Top.

*Speedi-Seal Gasket Available for use with 2" Caulk Outlet Body as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

FIG. 3370 SANI-CEPTOR® CAN WASHING FLOOR DRAINS



3370 3371

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)	**53.00**
Speedi-Set® XH	LXH02, LXH03, LXH04 (3370 Only)	**53.00**
Speedi-Seal Gasket*	03, 04	**53.00**
Threaded	T02, T03, T04	**72.00**
No-Hub	Y02, Y03, Y04	**N/C**

OPTIONS:		ADD
-C	Flashing Clamp (3370)	**180.00**
-C	Flashing Clamp (3371)	**205.00**
-U	Vandal Proof (3370)	**75.00**
-U	Vandal Proof (3371)	**571.00**

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	ARC INT PB TOP	†ARC INT NB Top	APPROX. WEIGHT LBS.
3370	02, 03, 04"	12 1/2"	42	**4,560.00**	**4,656.00**	30

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	**4,542.00**	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.

*Speedi-Seal Gasket Available for use with 2" Caulk Outlet Body as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

†REGULARLY FURNISHED

FIG. 3380 WATER SUPPLY CONTROL BOXES

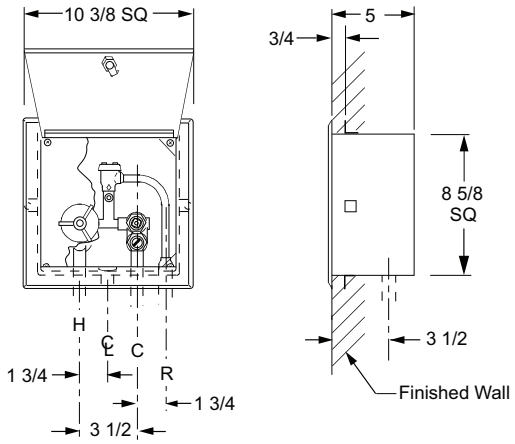


Fig. 3380

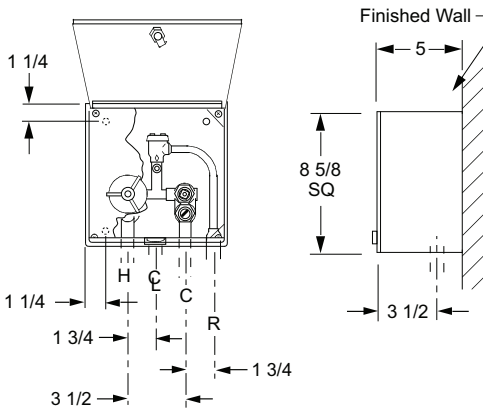


Fig. 3385

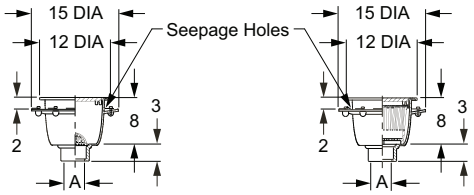
FIG. NO.	FACE OF WALL	SURFACE MOUNTED	APPROX. WEIGHT LBS
3380	**4,903.00**	-	15
3385	-	**4,903.00**	15

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.

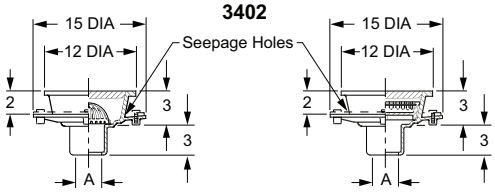
FIG. 3400 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, DEEP RECEPTOR, ARC ROUND NON-TRAFFIC TOP
FIG. 3402 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW RECEPTOR, ARC ROUND NON-TRAFFIC TOP
FIG. 3410 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM RECEPTOR, ARC SQUARE NON-TRAFFIC TOP

3400



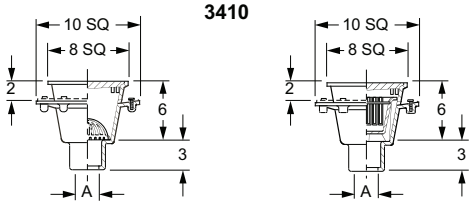
WITH DOME BOTTOM STRAINER | WITH SEDIMENT BUCKET

3402



WITH DOME BOTTOM STRAINER | WITH SEDIMENT BUCKET

3410



WITH DOME BOTTOM STRAINER | WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DOME BOTTOM STRAINER	†SEDIMENT BUCKET	APPROX. WEIGHT LBS
3400	02, 03, 04"	12"	22	**3,027.00**	-	42
3401	02, 03, 04"	12"	22	-	**3,268.00**	38
**3402	02, 03, 04"	12"	22	**2,225.00**	-	23
**3412	02, 03, 04"	12"	22	-	**2,598.00**	24
FIG. NO.	**A OUTLET SIZE**	**TOP SIZE**	**FREE AREA SQ IN**	**†DOME BOTTOM STRAINER**	**†ABS SEDIMENT BUCKET**	**APPROX. WEIGHT LBS**
3410	02, 03, 04"	8" SQ	11	**1,851.00**	-	50
3411	02, 03, 04"	8" SQ	11	-	**2,062.00**	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	**53.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	**53.00**
Speedi-Seal Gasket*	02, 03, 04 (3400/3402 Ser. Only)	**53.00**
No-Hub**	Y02, Y03, Y04 (3400/3410 Ser. Only)	**N/C**

OPTIONS:		3400 SER.	ADD 3410 SER.
-BS	SS Mesh Lined Bkt (Bkt Models Only)	**503.00**	**503.00**
-C	Flashing Clamp	**180.00**	**517.00**
-DBSE	ARC Dome Bottom Strainer	**292.00**	**312.00**
-G	All Galvanized Receptor	**N/C**	**N/C**
-P	Trap Primer Connection	**180.00**	**180.00**
-PDBS	Polished Alum DBS	**65.00**	**6.00**
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	**175.00**	**175.00**
-15	With Alum Recessed Grate	**189.00**	**199.00**
-21	With ARC Grate w/4" Funnel	**376.00**	**376.00**
-22	With ARC Grate w/6" Funnel	**483.00**	**483.00**
-25	With ARC Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	**626.00**	**626.00**
-26	With ARC Grate w/6 x 2 1/2 x 1 Oval Funnel	**376.00**	**376.00**
-41	With ARC Solid Cover	**113.00**	**96.00**
-42	With ARC 1/2 Solid Cover	**113.00**	**96.00**
-43	With ARC 3/4 Solid Cover	**113.00**	**96.00**
-44	With ARC Solid Grate w/2 1/2" Dia. Center Hole	**283.00**	**264.00**
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	**160.00**	**160.00**
-15	With Alum Recessed Grate	**176.00**	**–**
-21	With Grate w/4" Funnel	**160.00**	**160.00**
-22	With Grate w/6" Funnel	**260.00**	**260.00**
-25	With Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	**392.00**	**392.00**
-26	With Grate w/6 x 2 1/2 x 1 Oval Funnel	**160.00**	**160.00**
-41	With Solid Cover	**103.00**	**86.00**
-42	With 1/2 Solid Cover	**103.00**	**86.00**
-43	With 3/4 Solid Cover	**103.00**	**86.00**
-44	With Solid Grate w/2 1/2" Dia. Center Hole	**261.00**	**244.00**

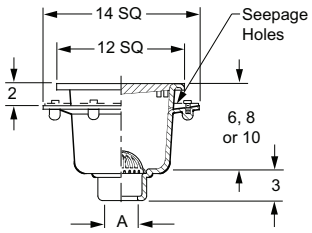
		DEDUCT
-CI	Duco Cast Iron Receptor	**260.00** / **152.00**
-FBS	Alum FBS (Replaces DBS)	**20.00** / **20.00**
	Less Flange (Specify Fig. 3405, 3406 3407, 3415, 3416, 3417)	**Contact factory**
ARC CAST IRON SERIES		
-10	Less ARC Grate	**N/C** / **N/C**
DUCO COATED CAST IRON SERIES		
-10	Less Grate	**261.00** / **189.00**

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).
**For 3402 & 3412, when No-Hub outlet is specified, a Caulk Outlet with Gasket will be substituted.

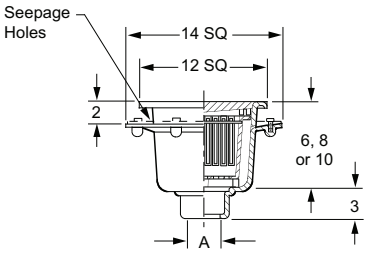
†REGULARLY FURNISHED

FIG. 3420-3441 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, MEDIUM, DEEP, EXTRA DEEP RECEPTOR, ARC SQUARE NON-TRAFFIC TOP

3420 - 3441



WITH DOME BOTTOM STRAINER



WITH SEDIMENT BUCKET

FIG. NO.	A OUTLET SIZE	SUMP DEPTH	TOP SIZE	FREE AREA SQ IN	†DOME BOTTOM STRAINER	†ABS SEDIMENT BUCKET	APPROX. WEIGHT LBS
3420	02, 03, 04"	6	12" SQ	26	**2,817.00**	-	50
3421	02, 03, 04"	6	12" SQ	26	-	**3,130.00**	54
3430	02, 03, 04"	8	12" SQ	26	**2,750.00**	-	54
3431	02, 03, 04"	8	12" SQ	26	-	**3,064.00**	57
3440	02, 03, 04"	10	12" SQ	26	**2,887.00**	-	69
3441	02, 03, 04"	10	12" SQ	26	-	**3,201.00**	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	**53.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	**53.00**
Speedi-Seal Gasket*	02, 03, 04	**53.00**
No-Hub	Y02, Y03, Y04	**N/C**

OPTIONS:		ADD
-BS	SS Mesh Lined Bucket (Bucket Models Only)	**501.00**
-C	Flashing Clamp	**559.00**
-DBSE	ARC Dome Bottom Strainer	**335.00**
-DID	Drain Installation Device	**235.00**
-G	All Galvanized Receptor	**N/C**
-P	Trap Primer Connection	**180.00**
-PDBS	Polished Alum DBS	**65.00**

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	**169.00**
-21	With ARC Grate w/4" Funnel	**362.00**
-22	With ARC Grate w/6" Funnel	**470.00**
-25	With ARC Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	**510.00**
-26	With ARC Grate w/6 x 2 1/2 x 1 Oval Funnel	**366.00**
-41	With ARC Solid Cover	**111.00**
-42	With ARC 1/2 Solid Cover	**111.00**
-43	With ARC 3/4 Solid Cover	**111.00**
-44	With ARC Solid Grate w/2 1/2" Dia. Center Hole	**284.00**

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	**160.00**
-15	With Alum Recessed Grate	**176.00**
-21	With Grate w/4" Funnel	**160.00**
-22	With Grate w/6" Funnel	**260.00**
-25	With Grate w/8 1/4 x 3 1/4 x 4 1/2 Oval Funnel	**392.00**
-26	With Grate w/6 x 2 1/2 x 1 Oval Funnel	**160.00**
-41	With Solid Cover	**103.00**
-42	With 1/2 Solid Cover	**103.00**
-43	With 3/4 Solid Cover	**103.00**
-44	With Solid Grate w/2 1/2" Dia. Center Hole	**261.00**

		DEDUCT
-CI	Duco Cast Iron Receptor	**260.00**
-FBS	Alum FBS (Replaces DBS)	**20.00**

Less Flange
For 3430, Specify 3435 (Caulk outlet only)
For 3431, Specify 3436 (Caulk outlet only)

ARC CAST IRON SERIES

-10	Less ARC Grate	**N/C**

DUCO COATED CAST IRON SERIES

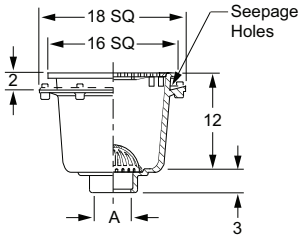
-10	Less Grate	**86.00**

*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

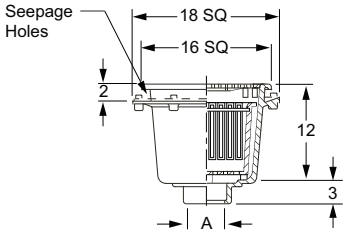
†REGULARLY FURNISHED

FIG. 3450 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS DEEP RECEPTOR, ARC SQUARE NON-TRAFFIC TOP

3450



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
3450	02, 03, 04"	16" SQ	55	**5,924.00**	-	73
3450	05, 06, 08"	16" SQ	55	**5,924.00**	-	73
3451	02, 03, 04"	16" SQ	55	-	**6,812.00**	75
3451	05, 06, 08"	16" SQ	55	-	**6,812.00**	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	**53.00**

OPTIONS:		ADD
-BS	Mesh Liner on Bucket (3451 only)	**1,001.00**
-C	Flashing Clamp	**516.00**
-DBSE	ARC Dome Bottom Strainer	**335.00**
-G	All Galvanized Receptor	**N/C**
-P	Trap Primer Connection	**176.00**
-PDBS	Polished Alum Dome Bottom Strainer	**64.00**

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	**169.00**
-21	With ARC Grate w/4" ARC Funnel	**363.00**
-22	With ARC Grate w/6" ARC Funnel	**470.00**
-25	With ARC Grate w/ 8 1/4 x 3 1/4 x 4 1/2" Oval ARC Funnel	**511.00**
-26	With ARC Grate w/6 x 2 1/2 x 1" Oval ARC Funnel	**367.00**
-41	With ARC Solid Cover	**167.00**
-42	With ARC 1/2 Solid Cover	**167.00**
-43	With ARC 3/4 Solid Cover	**167.00**
-44	With ARC Solid Grate w/2 1/2" Dia. Center Hole	**346.00**

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	**160.00**
-21	With Grate w/4" ARC Funnel	**160.00**
-22	With Grate w/6" ARC Funnel	**260.00**
-25	With Grate w/ 8 1/4 x 3 1/4 x 4 1/2" Oval Funnel	**392.00**
-26	With Grate w/6 x 2 1/2 x 1" Oval ARC Funnel	**160.00**
-41	With Solid Cover	**136.00**
-42	With 1/2 Solid Cover	**136.00**
-43	With 3/4 Solid Cover	**136.00**
-44	With Solid Grate w/2 1/2" Dia. Center Hole	**296.00**

		DEDUCT
-CI	Duco Cast Iron Receptor	**346.00**
-FBS	Alum Flat Bottom Strainer (Replaces DBS)	**20.00**
	Less Flange (Specify Fig. 3455, 3456)	**Contact factory**

ARC CAST IRON SERIES

-10	Less ARC Grate	**N/C**

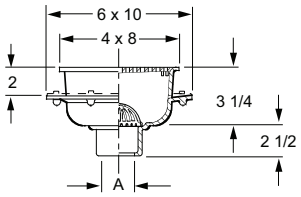
DUCO COATED CAST IRON SERIES

-10	Less Grate	**137.00**

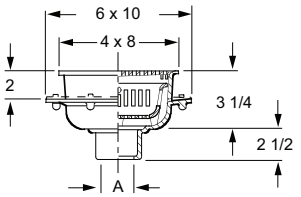
*Speedi-Seal Gasket Available for use with 2, 3, or 4" Caulk Outlet Bodies as Indicated. Specify Service Weight (SW) or Extra Heavy (XH).

FIG. 3460-3470 SERIES SANI-CEPTOR® ARC FLOOR & INDIRECT WASTE DRAINS, SHALLOW, DEEP RECEPTOR, ARC RECTANGULAR NON-TRAFFIC TOP

3460

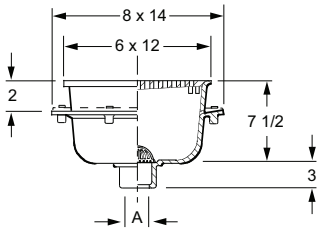


WITH DOME BOTTOM STRAINER

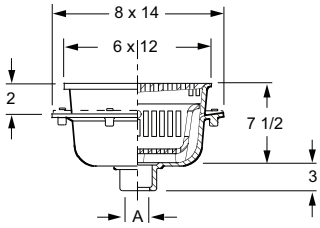


WITH SEDIMENT BUCKET

3470



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	53.00
No-Hub**	Y03 (3460 Ser. Only)	N/C

OPTIONS:		3460 SER.	ADD 3470 SER.
-BS	SS Mesh Lined Bkt (Bkt Models Only)	503.00	503.00
-C	Flashing Clamp	170.00	170.00
-G	All Galvanized Receptor	N/C	N/C
-P	Trap Primer Connection	176.00	176.00
-PDBS	Polished Aluminum DBS	53.00	53.00
-12	1/2 Grate	N/C	N/C
-21	With ARC Grate w/4" Funnel	363.00	363.00
-22	With ARC Grate w/6" Funnel	470.00	470.00
-25	With ARC Grt w/8 1/4 x 4 1/2" Funnel	511.00	511.00
-26	With ARC Grate w/6 x 1" Oval Funnel	367.00	367.00

		DEDUCT
-CI	Duco Cast Iron Receptor	152.00	260.00
-FBS	Alum FBS (Replaces DBS)	20.00	20.00
-10	Less Grate	N/C	N/C
	Less Flange (Specify Fig. 3465, 3466 3475, 3476	Contact factory	

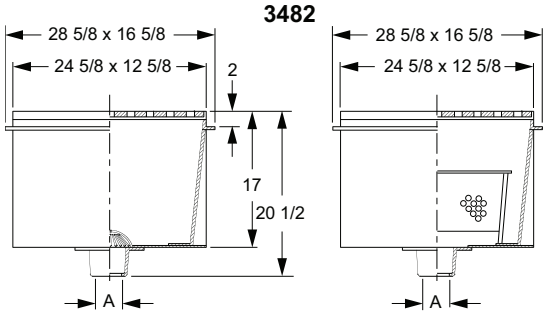
FIG. NO.	A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†ALUMINUM DOME BOTTOM STRAINER	†ALUMINUM SEDIMENT BUCKET	APPROX. WEIGHT LBS
**3460	02, 03"	4 x 8"	6.5	**2,000.00**	-	17
**3461	02, 03"	4 x 8"	6.5	-	**2,205.00**	19
**3470	02, 03, 04"	6 x 12"	13.75	**2,604.00**	-	35
**3471	02, 03, 04"	6 x 12"	13.75	-	**2,809.00**	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 with Gasket will be substituted.

†REGULARLY FURNISHED

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

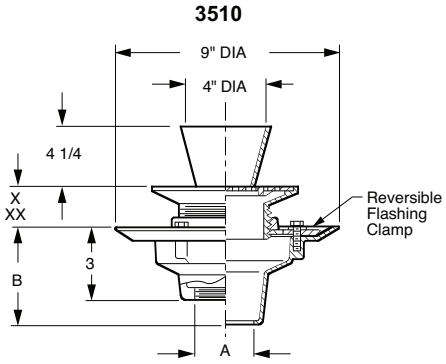
OPTIONS:		ADD
-C	Flashing Clamp	516.00
-G	All Galvanized Receptor	N/C
-P	Trap Primer Connection	346.00
-PDBS	Polished Aluminum DBS	53.00
-12	Acid Resistant Coated 1/2 Grate	N/C
-13	Acid Resistant Coated 3/4 Grate	N/C

		DEDUCT
-FBS	Alum FBS (Replaces DBS)	22.00
-10	Less Grate	861.00

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	**8,719.00**	-	130
3482	05, 06"	24 x12"	125	**8,719.00**	-	130
3483	02, 03, 04"	24 x12"	125	-	**10,443.00**	130
3483	05, 06"	24 x12"	125	-	**10,443.00**	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"	72.00
No-Hub	Y02, Y03, Y04	4"	N/C

OPTIONS:		ADD
-B	Sediment Bucket	99.00
-BB	Bronze Body (2-4")	1,108.00
	5" or 6"	3,400.00
-G	Galvanized Body	183.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	50.00
	3581 6" Dia Funnel, PB or NB	186.00
	CP	204.00
	3590 6 x 2 1/2 x 1" Funnel	N/C
	Funnel Threaded into Grate	248.00

Drain Body Only	Duco CI	Galv CI
02, 03, 04"	169.00	356.00

A OUTLET SIZE	STRAINER SIZE DIA	FREE AREA SQ IN DIA	*X MIN	*X MAX	**XX MIN	**XX MAX	PB TOP & FUNNEL	†NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
02, 03, 04"	05"	7	1 1/4"	2 1/4"	3/4"	1 5/8"	**755.00**	**623.00**	**895.00**	13
02, 03, 04"	06"	9	1 1/4"	2 1/4"	3/4"	1 5/8"	**822.00**	**726.00**	**1,005.00**	14
02, 03, 04"	07"	14	1 1/4"	2 1/4"	7/8"	1 7/8"	**925.00**	**874.00**	**1,098.00**	15
02, 03, 04"	08"	17	1 1/2"	2 1/2"	1"	1 7/8"	**1,072.00**	**1,091.00**	**1,270.00**	18
02, 03, 04"	09, 10"						**1,343.00**	**1,456.00**	**1,581.00**	20

*** Collar in high position.**
****Collar in low position.**

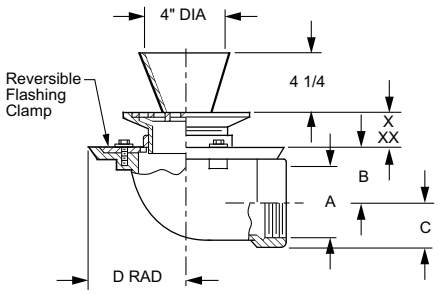
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

NOTE: For body only pricing see Fig. 2010.

†REGULARLY FURNISHED

FIG. 3515-F11 FUNNEL-CEPTOR® INDIRECT WASTE DRAINS WITH ADJUSTABLE STRAINER HEADS

3515



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

OPTIONS:		ADD
-B	Sediment Bucket	99.00
-G	Galvanized Body	183.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
	3581 6" Dia Funnel, PB or NB	185.00
	CP	204.00
	3590 6 x 2 1/2 x 1" Funnel	N/C
	Funnel Threaded into Grate	246.00

Drain Body Only	Duco CI	Galv CI
02, 03"	554.00	896.00
04"	815.00	1,195.00

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	1,101.00	1,141.00	1,170.00	18
03"	05"	7	2 3/4	2 1/4	4 3/4	1 1/4	2 1/4	3/4	1 5/8	1,101.00	1,141.00	1,170.00	18
04"	05"	7	3 1/4	3 1/4	6	1 1/4	2 1/4	3/4	1 5/8	1,396.00	1,475.00	1,532.00	20
02"	06"	9	2 3/4	1 1/4	4 3/4	1 1/4	2 1/4	3/4	1 5/8	1,185.00	1,290.00	1,290.00	19
03"	06"	9	2 3/4	2 1/4	4 3/4	1 1/4	2 1/4	3/4	1 5/8	1,185.00	1,290.00	1,290.00	19
04"	06"	9	3 1/4	3 1/4	6	1 1/4	2 1/4	3/4	1 5/8	1,460.00	1,574.00	1,641.00	19
02"	07"	14	2 3/4	1 1/4	4 3/4	1 1/4	2 1/4	7/8	1 7/8	1,310.00	1,364.00	1,392.00	20
03"	07"	14	2 3/4	2 1/4	4 3/4	1 1/4	2 1/4	7/8	1 7/8	1,310.00	1,364.00	1,392.00	20
04"	07"	14	3 1/4	3 1/4	6	1 1/4	2 1/4	7/8	1 7/8	1,566.00	1,649.00	1,737.00	20
02"	08"	17	2 3/4	1 1/4	4 3/4	1 1/2	2 1/2	1	1 7/8	1,493.00	1,555.00	1,584.00	22
03"	08"	17	2 3/4	2 1/4	4 3/4	1 1/2	2 1/2	1	1 7/8	1,493.00	1,555.00	1,584.00	22
04"	08"	17	3 1/4	3 1/4	6	1 1/2	2 1/2	1	1 7/8	1,711.00	1,812.00	1,910.00	25

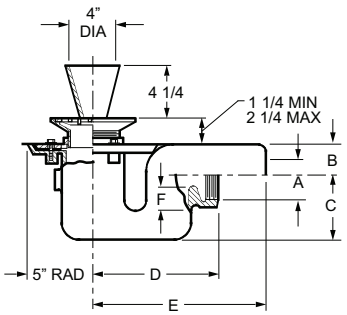
NOTE: For body only pricing see Fig. 2015.

*** 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

3520



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	99.00
-BFV	Ball Float Backwater Valve	857.00
-G	Galvanized Body	289.00
-NH	High Aux Inlet	205.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
	3581 6" Dia Funnel, NB or PB	185.00
	CP	204.00
	3590 6x2 1/2x1" Funnel	N/C
	Funnel Threaded into Grate	246.00

Drain Body Only	Duco CI	Galv CI
02, 03"	554.00	896.00
04"	815.00	1,195.00

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	1,101.00	1,141.00	1,170.00	21
03"	05"	7	2 1/4	4 1/2	9	12 1/4	2	1,101.00	1,141.00	1,170.00	21
04"	05"	7	3	8 1/2	10	12 3/4	2 1/2	1,396.00	1,475.00	1,532.00	22
02"	06"	9	1 3/4	5	6 3/4	9 1/2	2	1,185.00	1,290.00	1,290.00	22
03"	06"	9	2 1/4	4 1/2	9	12 1/4	2	1,185.00	1,290.00	1,290.00	22
04"	06"	9	3	8 1/2	10	12 3/4	2 1/2	1,460.00	1,574.00	1,641.00	21
02"	07"	14	1 3/4	5	6 3/4	9 1/2	2	1,310.00	1,364.00	1,392.00	31
03"	07"	14	2 1/4	4 1/2	9	12 1/4	2	1,310.00	1,364.00	1,392.00	31
04"	07"	14	3	8 1/2	10	12 3/4	2 1/2	1,566.00	1,649.00	1,737.00	31
02"	08"	17	1 3/4	5	6 3/4	9 1/2	2	1,493.00	1,555.00	1,584.00	39
03"	08"	17	2 1/4	4 1/2	9	12 1/4	2	1,493.00	1,555.00	1,584.00	39
04"	08"	17	3	8 1/2	10	12 3/4	2 1/2	1,711.00	1,812.00	1,910.00	40

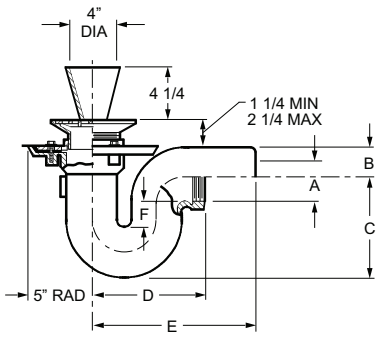
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

NOTE: For body only pricing see Fig. 2020, 2021.

†REGULARLY FURNISHED

FIG. 3530-F11 SERIES FUNNEL-CEPTOR® INDIRECT WASTE DRAINS WITH ADJUSTABLE STRAINER HEADS

3530



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	99.00
-BFV	Ball Float Backwater Valve	857.00
-G	Galvanized Body	290.00
-P	Trap Primer Conn	24.00
-NH	High Aux Inlet	205.00
-U	Vandal Proof Screws	44.00
	3581 6" Dia Funnel, PB or NB	185.00
	CP	204.00
	3590 6x2 1/2x1" Funnel	N/C
	Funnel Threaded into Grate	246.00

Drain Body Only	Duco CI	Galv CI
02, 03"	984.00	1,276.00
04"	1,381.00	1,671.00

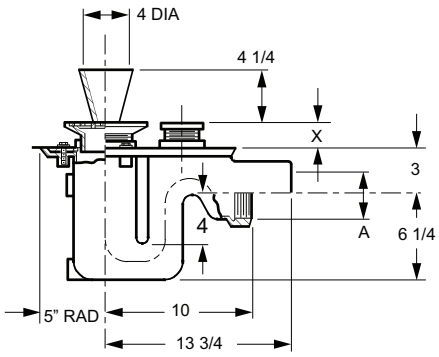
A OUTLET SIZE	STRAINER SIZE DIA	FREE AREA SQ IN DIA	B	C	D	E	F SEAL	PB TOP & FUNNEL	†NB TOP & FUNNEL	CP TOP & FUNNEL	APPROX. WEIGHT LBS.
02"	05"	7	1 3/4	5 1/4	5	8	2	**1,427.00**	**1,439.00**	**1,467.00**	25
03"	05"	7	2	7	8	10	2 1/4	**1,427.00**	**1,439.00**	**1,467.00**	25
04"	05"	7	3	8	10	12 3/4	2 1/2	**1,826.00**	**1,837.00**	**1,865.00**	26
02"	06"	9	1 3/4	5 1/4	5	8	2	**1,530.00**	**1,542.00**	**1,576.00**	26
03"	06"	9	2	7	8	10	2 1/4	**1,530.00**	**1,542.00**	**1,576.00**	26
04"	06"	9	3	8	10	12 3/4	2 1/2	**1,930.00**	**1,939.00**	**1,968.00**	24
02"	07"	14	1 3/4	5 1/4	5	8	2	**1,679.00**	**1,690.00**	**1,719.00**	28
03"	07"	14	2	7	8	10	2 1/4	**1,679.00**	**1,690.00**	**1,719.00**	28
04"	07"	14	3	8	10	12 3/4	2 1/2	**2,072.00**	**2,085.00**	**2,115.00**	28
02"	08"	17	1 3/4	5 1/4	5	8	2	**1,831.00**	**1,840.00**	**1,869.00**	35
03"	08"	17	2	7	8	10	2 1/4	**1,831.00**	**1,840.00**	**1,869.00**	35
04"	08"	17	3	8	10	12 3/4	2 1/2	**2,290.00**	**2,303.00**	**2,331.00**	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

3540



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	99.00
-G	Galvanized Body	438.00
-NH	High Aux Inlet	205.00
-NL	Low Auxiliary Inlet	205.00
-P	Trap Primer Conn	24.00
-U	Vandal Proof Screws	44.00
	Funnel Threaded into Grate	185.00
	3581 6" Dia Funnel, PB or NB	204.00
	CP	N/C
	3590 6x2 1/2x1" Funnel	246.00

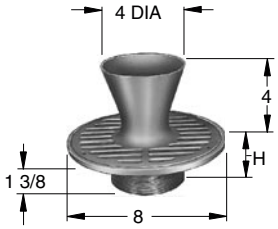
Drain Body Only	Duco CI	Galv CI
02, 03, 04"	2,916.00	3,353.00

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	**3,360.00**	**3,371.00**	**3,399.00**	37
02, 03, 04"	06"	7	1 1/4	2 1/4	**3,461.00**	**3,472.00**	**3,500.00**	39
02, 03, 04"	07"	7	1 1/4	2 1/4	**3,610.00**	**3,620.00**	**3,648.00**	41
02, 03, 04"	08"	9	1 1/2	2 1/2	**3,828.00**	**3,840.00**	**3,870.00**	43

NOTE: For body only pricing see Fig. 2040.

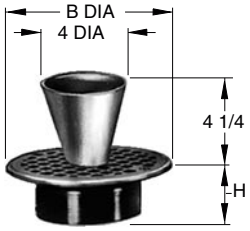
REGULARLY FURNISHED: Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

†REGULARLY FURNISHED

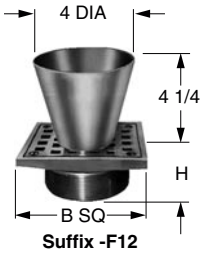


Suffix -F10

SUFFIX NUMBER	TOP SIZE	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
-F10	8"	2 3/8	**965.00**	**1,101.00**	**1,212.00**	8

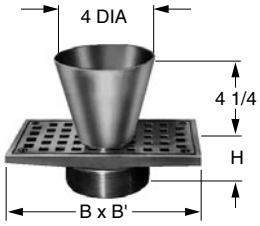


Suffix -F11



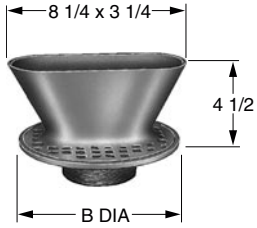
Suffix -F12

SUFFIX NUMBER	TOP SIZE B DIA or SQ	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
-F11	5"	2	**579.00**	**656.00**	**721.00**	5
-F11	6"	2	**644.00**	**755.00**	**827.00**	6
-F11	7"	2 1/4	**750.00**	**838.00**	**921.00**	7
-F11	8"	2 1/2	**900.00**	**998.00**	**1,094.00**	8
-F11	9"	2 1/2	**1,167.00**	**1,281.00**	**1,407.00**	11
-F11	10"	2 3/4	**1,167.00**	**1,281.00**	**1,407.00**	13
-F12	5" x 5"	2	**698.00**	**802.00**	**878.00**	5
-F12	6" x 6"	2	**783.00**	**872.00**	**961.00**	6
-F12	7" x 7"	2 1/4	**897.00**	**1,001.00**	**1,098.00**	7
-F12	8" x 8"	2 1/2	**1,024.00**	**1,170.00**	**1,278.00**	9
-F12	9" x 9"	2 1/2	**1,263.00**	**1,425.00**	**1,560.00**	11
-F12	10" x 10"	2 3/4	**1,574.00**	**1,735.00**	**1,906.00**	13

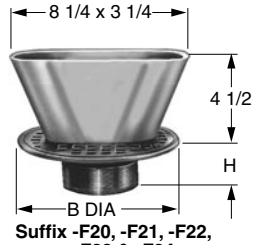


Suffix -F13, -F14, -F15, -F16 -F17 & -F18

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	**1,009.00**	**1,183.00**	**1,297.00**	6
-F14	4" x 12"	2 1/2	**1,179.00**	**1,380.00**	**1,514.00**	11
-F15	5" x 9"	2 1/4	**1,009.00**	**1,183.00**	**1,297.00**	7
-F16	5" x 13"	3	**1,350.00**	**1,528.00**	**1,677.00**	11
-F17	5" x 17"	3	**1,437.00**	**1,612.00**	**1,775.00**	16
-F18	6" x 10"	2 1/4	**1,437.00**	**1,528.00**	**1,677.00**	11



Suffix -F19

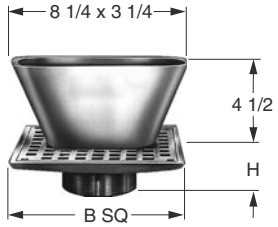


Suffix -F20, -F21, -F22, -F23 & -F24

SUFFIX NUMBER	TOP SIZE B DIA	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
-F19	8"	2 1/2	**1,384.00**	**1,538.00**	**1,690.00**	8
-F20	6"	2	**1,058.00**	**1,172.00**	**1,285.00**	9
-F21	7"	2 1/4	**1,165.00**	**1,257.00**	**1,379.00**	10
-F22	8"	2 1/2	**1,314.00**	**1,412.00**	**1,553.00**	11
-F23	9"	2 1/2	**1,580.00**	**1,696.00**	**1,863.00**	14
-F24	10"	2 3/4	**1,580.00**	**1,696.00**	**1,863.00**	16

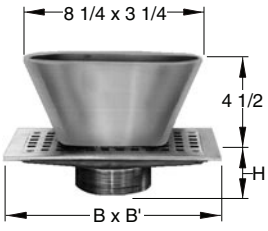
†REGULARLY FURNISHED

OPTIONAL ADJUSTABLE STRAINER HEADS



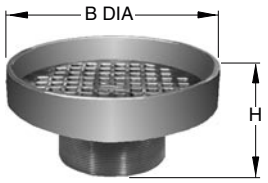
Suffix -F25, -F26, -F27, -F28 & -F29

SUFFIX NUMBER	TOP SIZE B SQ	H	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
-F25	6" x 6"	2"	**1,195.00**	**1,286.00**	**1,417.00**	9
-F26	7" x 7"	2 1/4"	**1,313.00**	**1,418.00**	**1,561.00**	10
-F27	8" x 8"	2 1/2"	**1,437.00**	**1,585.00**	**1,735.00**	12
-F28	9" x 9"	2 1/2"	**1,678.00**	**1,839.00**	**1,839.00**	14
-F29	10" x 10"	2 3/4"	**1,988.00**	**2,153.00**	**2,153.00**	17



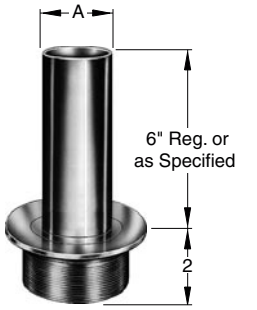
Suffix -F30, -F31, -F32, -F33, -F34 & F35

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"	**1,467.00**	**1,598.00**	**1,752.00**	9
-F31	4" x 12"	2 1/2"	**1,593.00**	**1,795.00**	**1,972.00**	14
-F32	5" x 9"	2 1/4"	**1,467.00**	**1,598.00**	**1,752.00**	9
-F33	5" x 13"	3"	**1,763.00**	**1,887.00**	**2,135.00**	14
-F34	6" x 10"	2 1/4"	**1,763.00**	**1,944.00**	**2,131.00**	14
-F35	5" x 17"	3"	**1,848.00**	**2,028.00**	**2,229.00**	19



Suffix -F37 & -F38

SUFFIX NUMBER	TOP SIZE B DIA	H	DUCO CI	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
-F37	7"	3 1/4	**316.00**	**759.00**	**849.00**	**933.00**	10
-F38	9"	3 1/2	**431.00**	**1,140.00**	**1,260.00**	**1,381.00**	13



Suffix -F40 & -F41

SUFFIX NUMBER	A SIZE	STANDPIPE HEIGHT	PB TOP	†NB TOP	CP TOP	APPROX. WEIGHT LBS
-F40	2"	6"	**987.00**	**1,289.00**	**1,441.00**	10
For ea additional 1" Height			**86.00**	**124.00**	**131.00**	
-F41	3"	6"	**1,552.00**	**1,725.00**	**1,925.00**	13
For ea additional 1" Height			**155.00**	**176.00**	**186.00**	

FIG. 3580, 3581, 3590, 3591 FUNNEL ASSEMBLIES ONLY

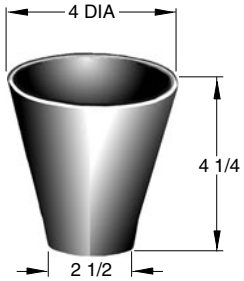


Fig. 3580

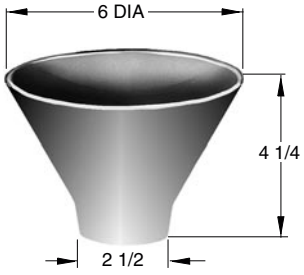


Fig. 3581

FIG. NO.	DESCRIPTION	†CI	ARC GALV	CI	RB	PB	NB	CP
3580	4" x 4 1/2"	**124.00**	**231.00**	**349.00**	**276.00**	**333.00**	**256.00**	**429.00**
3581	6" x 4 1/4"	**124.00**	**231.00**	**446.00**	**459.00**	**517.00**	**256.00**	**631.00**
3590	6" x 2 1/2" x 1"	**160.00**	**213.00**	**349.00**	**274.00**	**333.00**	**392.00**	**426.00**
3591	8 1/4" x 3 1/4" x 4 1/2"	**169.00**	**274.00**	**579.00**	**631.00**	**749.00**	**352.00**	**884.00**

OPTIONS: **ADD**

Male Threaded Funnel (Fig. 3580).....**88.00**

Fig. 3590

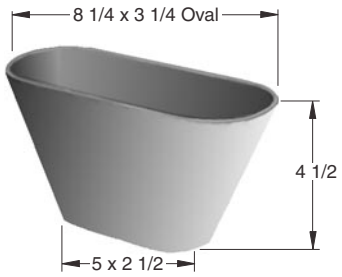
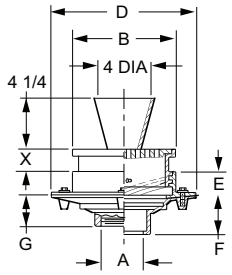


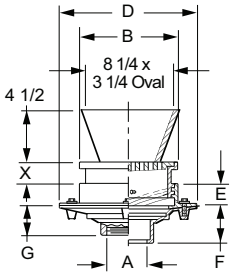
Fig. 3591

†REGULARLY FURNISHED

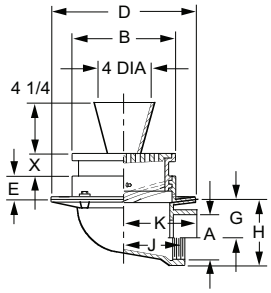
3610, 3615



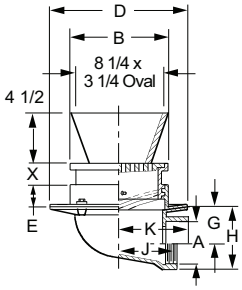
3650, 3655



3620, 3625



3660, 3665



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	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04 Bottom Outlet Drains	**48.00**
Threaded	T02, T03, T04, T05, T06 Bottom Outlet Drains	**72.00**
	For Side Outlet Drains	**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	**127.00**
	for 12" Drains	**235.00**
-P	Trap Primer Connection	**150.00**
-SG	Secured Grate	**133.00**
-U	Vandal Proof Screws	**133.00**

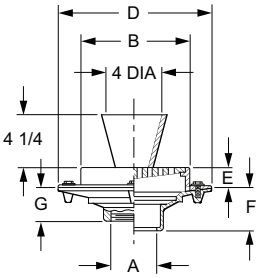
FIG. NO.	A OUTLET SIZE	B DIA TOP SIZE	D DIA	E	F	G THD	*X MIN MAX	FREE AREA SQ IN	DUCO †CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3610	02, 03, 04"	8 1/2	11 1/2	2	3 3/4	2	1 1/4 2 3/4	14.25	**813.00**	**1,392.00**	**1,483.00**	**1,687.00**	33
3615	02, 03, 04"	12	15 1/4	2 1/2	5	3 3/4	1 5/8 2 7/8	28.5	**1,717.00**	**2,486.00**	**2,640.00**	**2,669.00**	58
3615	05, 06"Δ	12	15 1/4	2 1/2	5	3 3/4	1 5/8 2 7/8	28.5	**1,717.00**	**2,486.00**	**2,640.00**	**2,669.00**	58
3650	02, 03, 04"	8 1/2	11 1/2	2	3 3/4	2	1 1/4 2 3/4	14.25	**1,044.00**	**1,805.00**	**1,958.00**	**2,140.00**	33
3655	02, 03, 04"	12	15 1/4	2 1/2	5	3 3/4	1 5/8 2 7/8	28.5	**1,949.00**	**2,902.00**	**3,127.00**	**3,127.00**	58
3655	05, 06"Δ	12	15 1/4	2 1/2	5	3 3/4	1 5/8 2 7/8	28.5	**1,949.00**	**2,902.00**	**3,127.00**	**3,127.00**	58

*Add 1/4" when bronze top is specified.
Δ 6" Outlets only available w/12" Tops.

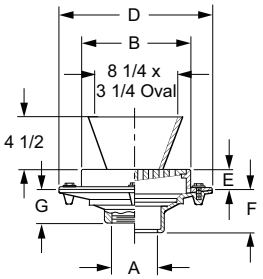
FIG. NO.	A OUTLET SIZE	B DIA TOP SIZE	D DIA	E	G	H	J	K	X MIN MAX	FREE AREA SQ IN	DUCO †CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3620	02"	8 1/2	12	2	4 1/4	6	4	5 1/2	1 1/4 2 3/4	14.25	**1,208.00**	**1,786.00**	**1,936.00**	**2,118.00**	33
3620	03"	8 1/2	12	2	3 3/4	6	4	5 1/2	1 1/4 2 3/4	14.25	**1,208.00**	**1,786.00**	**1,936.00**	**2,118.00**	33
3620	04"	8 1/2	12	2	3 1/4	6	4	5 1/2	1 1/4 2 3/4	14.25	**1,208.00**	**1,786.00**	**1,936.00**	**2,118.00**	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	**1,908.00**	**2,675.00**	**2,830.00**	**3,044.00**	58
3625	03"	12	15 1/4	2 1/2	6	9	6	6 3/4	1 5/8 2 7/8	28.5	**1,908.00**	**2,675.00**	**2,830.00**	**3,044.00**	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	**1,908.00**	**2,675.00**	**2,830.00**	**3,044.00**	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	**1,908.00**	**2,675.00**	**2,830.00**	**3,044.00**	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	**1,908.00**	**2,675.00**	**2,830.00**	**3,044.00**	58
3660	02"	8 1/2	12	2	4 1/2	6	4	5 1/2	1 1/4 2 3/4	14.25	**1,441.00**	**2,203.00**	**2,355.00**	**2,585.00**	33
3660	03"	8 1/2	12	2	3 3/4	6	4	5 1/2	1 1/4 2 3/4	14.25	**1,441.00**	**2,203.00**	**2,355.00**	**2,585.00**	33
3660	04"	8 1/2	12	2	3 1/4	6	4	5 1/2	1 1/4 2 3/4	14.25	**1,441.00**	**2,203.00**	**2,355.00**	**2,585.00**	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	**2,138.00**	**3,089.00**	**3,244.00**	**3,502.00**	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	**2,138.00**	**3,089.00**	**3,244.00**	**3,502.00**	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	**2,138.00**	**3,089.00**	**3,244.00**	**3,502.00**	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	**2,138.00**	**3,089.00**	**3,244.00**	**3,502.00**	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	**2,138.00**	**3,089.00**	**3,244.00**	**3,502.00**	58

REGULARLY FURNISHED: Duco Cast Iron Flanged Receptor and Flashing Collar with Adjustable Top, Bar Grate and Funnel.

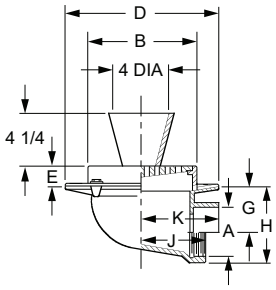
3710, 3715



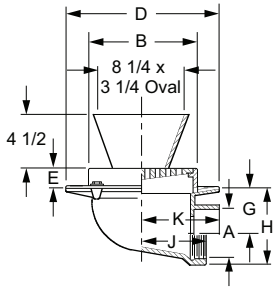
3750, 3755



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	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04 Bottom Outlet Drains	**48.00**
Threaded	T02, T03, T04, T05, T06 Bottom Outlet Drains	**72.00**
	For Side Outlet Drains	**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	**127.00**
	for 12" Drains	**170.00**
-P	Trap Primer Connection	**150.00**
-SG	Secured Grate	**133.00**
-U	Vandal Proof Screws	**133.00**

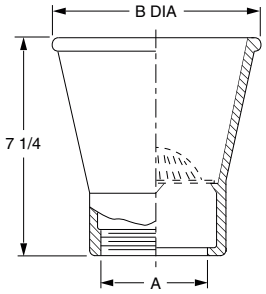
FIG. NO.	A OUTLET SIZE	B DIA TOP SIZE	D DIA	E	F	G THD	FREE AREA SQ IN	DUCO †CI TOP	PB TOP	NB TOP	CP TOP	APPROX. WEIGHT LBS.
3710	02, 03, 04"	8 1/2	11 1/2	2	3 3/4	2	14.25	**626.00**	**1,205.00**	**1,354.00**	**1,482.00**	33
3715	02, 03, 04"	12	15 1/4	2 1/2	5	3 3/4	28.5	**1,120.00**	**1,887.00**	**2,041.00**	**2,242.00**	58
3715	05, 06"Δ	12	15 1/4	2 1/2	5	3 3/4	28.5	**1,120.00**	**1,887.00**	**2,041.00**	**2,242.00**	58
3750	02, 03, 04"	8 1/2	11 1/2	2	3 3/4	2	14.25	**857.00**	**1,617.00**	**1,768.00**	**1,938.00**	33
3755	02, 03, 04"	12	15 1/4	2 1/2	5	3 3/4	28.5	**1,351.00**	**2,303.00**	**2,458.00**	**2,699.00**	58
3755	05, 06"Δ	12	15 1/4	2 1/2	5	3 3/4	28.5	**1,351.00**	**2,303.00**	**2,458.00**	**2,699.00**	58

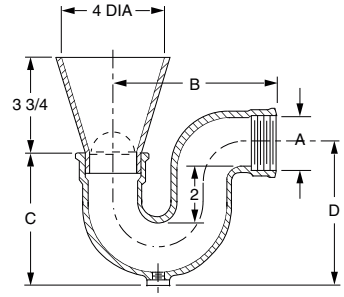
*Add 1/8" when bronze top is specified.

Δ 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	**1,024.00**	**1,602.00**	**1,752.00**	**1,919.00**	33
3720	03"	8 1/2	12	2	3 3/4	6	4	5 1/2	14.25	**1,024.00**	**1,602.00**	**1,752.00**	**1,919.00**	33
3720	04"	8 1/2	12	2	3 1/4	6	4	5 1/2	14.25	**1,024.00**	**1,602.00**	**1,752.00**	**1,919.00**	33
3725	02"	12	15 1/4	2 1/2	6 7/8	9	6	6 3/4	28.5	**1,724.00**	**2,490.00**	**2,549.00**	**2,742.00**	58
3725	03"	12	15 1/4	2 1/2	6 3/8	9	6	6 3/4	28.5	**1,724.00**	**2,490.00**	**2,549.00**	**2,742.00**	58
3725	04"	12	15 1/4	2 1/2	5 7/8	9	6	6 3/4	28.5	**1,724.00**	**2,490.00**	**2,549.00**	**2,742.00**	58
3725	05"	12	15 3/4	2 1/2	5	9	6 3/4	7 3/4	28.5	**1,724.00**	**2,490.00**	**2,549.00**	**2,742.00**	58
3725	06"	12	15 3/4	2 1/2	4	9	6 3/4	7 3/4	28.5	**1,724.00**	**2,490.00**	**2,549.00**	**2,742.00**	58
3760	02"	8 1/2	12	2	4 1/4	6	4	5 1/2	14.25	**1,249.00**	**2,009.00**	**2,163.00**	**2,377.00**	33
3760	03"	8 1/2	12	2	3 3/4	6	4	5 1/2	14.25	**1,249.00**	**2,009.00**	**2,163.00**	**2,377.00**	33
3760	04"	8 1/2	12	2	3 1/4	6	4	5 1/2	14.25	**1,249.00**	**2,009.00**	**2,163.00**	**2,377.00**	33
3765	02"	12	15 1/4	2 1/2	6 7/8	9	6	6 3/4	28.5	**1,954.00**	**2,905.00**	**3,060.00**	**3,199.00**	58
3765	03"	12	15 1/4	2 1/2	6 3/8	9	6	6 3/4	28.5	**1,954.00**	**2,905.00**	**3,060.00**	**3,199.00**	58
3765	04"	12	15 1/4	2 1/2	5 7/8	9	6	6 3/4	28.5	**1,954.00**	**2,905.00**	**3,060.00**	**3,199.00**	58
3765	05"	12	15 3/4	2 1/2	5	9	6 3/4	7 3/4	28.5	**1,954.00**	**2,905.00**	**3,060.00**	**3,199.00**	58
3765	06"	12	15 3/4	2 1/2	4 1/2	9	6 3/4	7 3/4	28.5	**1,954.00**	**2,905.00**	**3,060.00**	**3,199.00**	58

REGULARLY FURNISHED: Duco Cast Iron Flanged Receptor, Bar Grate and 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	**44.00**
Speedi-Set® XH	LXH02, LXH03, LXH04	**44.00**
Threaded	T02, T03, T04, T06 (3811 thru 3814 only)	**102.00**
No-Hub	Y02, Y03, Y04, Y06 (3811 thru 3814 only)	**See Fig. 2646Y for list add to THREADED body price**
No-Hub	Y02, Y03 (3821 thru 3824)	**See Fig. 2646Y for list add to THREADED body price**

OPTIONS:		ADD
-DBS	Aluminum Dome Bottom Strainer	**106.00**
-DBSE	ARC CI DBS Figs 3811 or 3821	**101.00**
-DBSCI	Duco CI DBS Figs 3812 or 3822	**81.00**
-DBSB	Cast Bronze DBS Figs 3813 or 3823	**113.00**
-DBS	Chrome Plated DBS Figs 3814 or 3824	**195.00**
-FC	Front Cleanout (Trap Series Only)	**N/C**
-NB	4" Dia NB Funnel w/Bronze Trap (Add to 3823)	**110.00**
-NB6	6" Dia NB Funnel w/Bronze Trap (Add to 3823)	**316.00**

FUNNEL ONLY - REGULARLY FURNISHED CAULK OUTLET

FIG. NO	DESCRIPTION	A PIPE SIZE 02"	03"	04"	06"
3811	Cast Iron with ARC Interior & Exterior	**563.00**	**668.00**	**1,279.00**	**1,431.00**
3812	Duco Cast Iron	**207.00**	**310.00**	**924.00**	**1,076.00**
3813	Cast Bronze	**571.00**	**851.00**	**2,531.00**	**2,956.00**
3814	Polished Chrome Plated Cast Bronze	**950.00**	**993.00**	**1,953.00**	**2,715.00**
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 0150"	02"	03"	ADD FOR 6" DIA FUNNEL
3821	Cast Iron with ARC Interior & Exterior	**636.00**	**971.00**	**1,081.00**	**108.00**
3822	Duco Cast Iron	**404.00**	**712.00**	**823.00**	**108.00**
3823	Cast Bronze	**1,193.00**	**1,219.00**	**2,018.00**	**205.00**
3824	Polished Chrome Plated Cast Bronze	**1,840.00**	**1,840.00**	**2,249.00**	**205.00**
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.

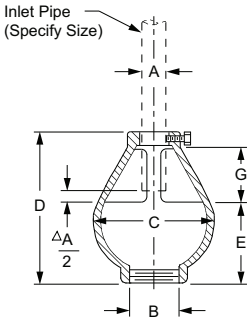


Fig. 3950T
THREADED OUTLET ONLY
(Specify A + B)

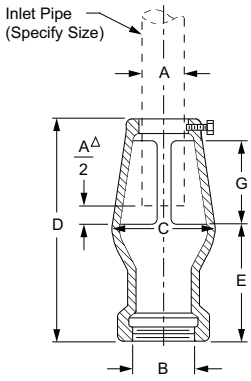


Fig. 3951T
THREADED OUTLET ONLY
(Specify A + B)

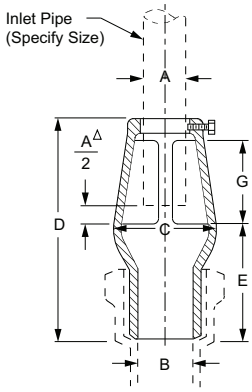


Fig 3955S
NO-HUB OR SPIGOT OUTLET
(Specify A + B)

$\frac{\Delta A}{2}$ = 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	**308.00**	**477.00**	**340.00**	2
3950	050"	075"	4 1/4	5 1/2	3	2	**308.00**	**477.00**	**340.00**	2
3950	050"	01"	4 1/4	5 1/2	3	2	**333.00**	**502.00**	**387.00**	2
3950	075"	0150"	4 1/4	5 1/2	3	2	**429.00**	**598.00**	**601.00**	2 1/2
3950	01"	0150"	4 1/4	5 1/2	3	2	**429.00**	**598.00**	**601.00**	2 1/2
3951	01"	02"	3 1/2	8	4 1/4	3	**316.00**	**485.00**	**614.00**	4
3951	0125"	02"	3 1/2	8	4 1/4	3	**316.00**	**485.00**	**614.00**	4
3951	0150"	02"	3 1/2	8	4 1/4	3	**316.00**	**485.00**	**614.00**	4
3951	02"	03"	4 1/2	11 1/2	6 1/2	4	**385.00**	**553.00**	**926.00**	10
3951	03"	04"	6 1/2	15 1/2	8	6	**528.00**	**697.00**	**1,711.00**	19
3951	04"	06"	8 1/2	20	10	8	**1,080.00**	**1,249.00**	**3,308.00**	33
3955	01"	02"	3 1/2	8	4 1/4	3	**274.00**	**443.00**	**606.00**	4
3955	0125"	02"	3 1/2	8	4 1/4	3	**274.00**	**443.00**	**606.00**	4
3955	0150"	02"	3 1/2	8	4 1/4	3	**295.00**	**464.00**	**727.00**	4
3955	02"	03"	4 1/2	11 1/2	6 1/2	4	**353.00**	**522.00**	**878.00**	8
3955	03"	04"	6 1/2	15 1/2	8	6	**517.00**	**686.00**	**1,227.00**	19
3955	04"	06"	8 1/2	20	10	8	**1,210.00**	**1,379.00**	**3,029.00**	33

REGULARLY FURNISHED: Duco Cast Iron.

FIG. 3960, 3970, 3980, ROOF-CEPTOR® INDIRECT WASTE DRAINS, MEDIUM DEPTH RECEPTORS

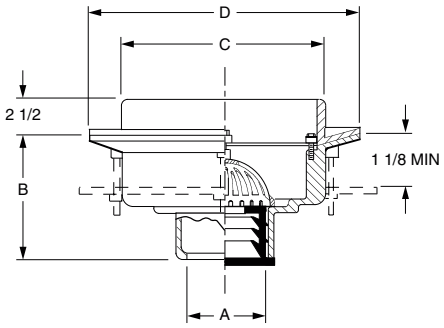


FIG. NO.	A OUTLET SIZE	C DIA. TOP SIZE	D DIA. FLANGE SIZE	†DUCO CI	GALV CI	APPROX. WEIGHT LBS
3960	02, 03, 04"	7 1/4"	8 1/2"	**599.00**	**919.00**	16
3970	02, 03, 04"	10 1/2"	12"	**719.00**	**1,039.00**	28
3970	06"	10 1/2"	12"	**821.00**	**1,141.00**	30
3980	02, 03, 04"	12 1/2"	15 1/4"	**1,004.00**	**1,324.00**	37
3980	06"	12 1/2"	15 1/4"	**1,004.00**	**1,324.00**	-

REGULARLY FURNISHED: Duco Cast Iron Receptor with Solid Water Dam and Cast Iron Dome Bottom Strainer Secured with Stainless Steel Vandal Proof Screws.

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"	**102.00**
	C02, C03, C04, C06 (3970)	6"	**102.00**
	C02, C03, C04, C06 (3980)	5"	**102.00**
Speedi-Set® SW	L02, L03, L04 (3960)	5 1/2"	**48.00**
	L02, L03, L04, L06 (3970)	6"	**48.00**
	L02, L03, L04, L06 (3980)	5"	**48.00**
Speedi-Set® XH	LXH02, LXH03, LXH04 (3960)	5 1/2"	**48.00**
	LXH02, LXH03, LXH04, LXH06 (3970)	6"	**48.00**
	LXH02, LXH03, LXH04, LXH06 (3980)	5"	**48.00**
Threaded	T02, T03, T04 (3960)	4 1/4"	**102.00**
	T02, T03, T04, T06 (3970)	4 3/4"	**102.00**
	T02, T03, T04, T06 (3980)	3 3/4"	**102.00**
No-Hub	Y02, Y03, Y04 (3960)	5 1/2"	**N/C**
	Y02, Y03, Y04, Y06 (3970)	6"	**N/C**
	Y02, Y03, Y04, Y06 (3980)	5"	**N/C**

OPTIONS:		ADD
-E	Extension, per inch, up to 4" (3960, 3970)	**311.00**
	Extension, up to 4" (3980)	**311.00**
	per inch over 4"	**158.00**
-C	Underdeck Clamp (3960, 3970)	**183.00**
	Underdeck Clamp (3980)	**183.00**
-R	Sump Receiver (3960, 3970)	**183.00**
	Sump Receiver (3980)	**183.00**

†REGULARLY FURNISHED

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

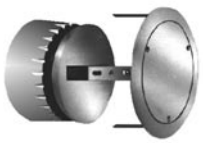


Fig. 4432

CLEANOUTS

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

FLOOR ACCESS COVERS

Fig. 4810

Fig. 4890

Fig. DX4890

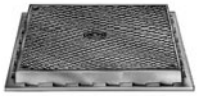


Fig. 4910

Fig. 4915

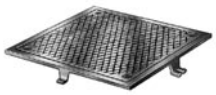


Fig. 4930

Fig. 4940

Fig. SQ-4-1819

Fig. SQ-4-1753

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

*All variation suffixes are to be shown in parenthesis.

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	SELECTION OF BODY	SELECTION OF CLOSURE PLUG
Shape		
Style		
Traffic Function	Outlet Type	Ease Of Removal
Material	Body Type	Type Of Seal

SELECTION OF TOP

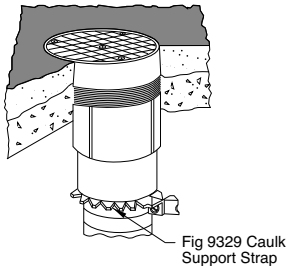


Fig. 1 Round Nickel Bronze Top

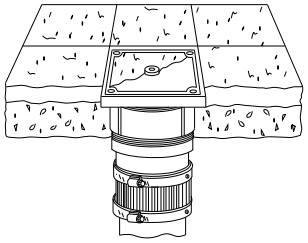


Fig. 2 Square Nickel Bronze Top with Tile Recess

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.

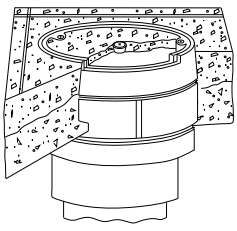


Fig. 3 Terrazzo Top

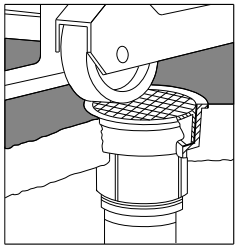


Fig. 4 Tractor-Type Heavy Duty Covers

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.

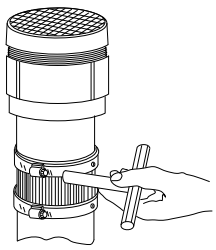


Fig. 5 NO-HUB Outlet Y

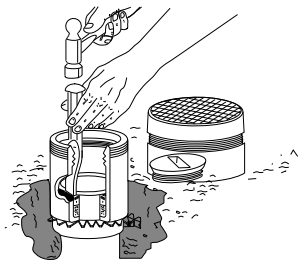


Fig. 6 Inside Caulk Outlet C

"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.

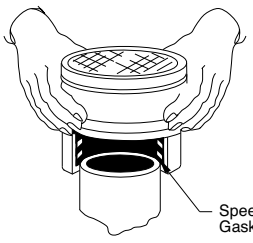


Fig. 7 Speedi-Set® Body L

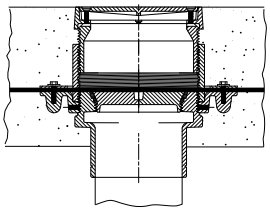


Fig. 8 With Flange -F and Flashing Clamp -C

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).

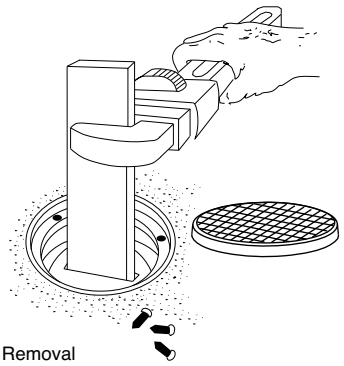


Fig. 9 Slotted Plug Removal

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.

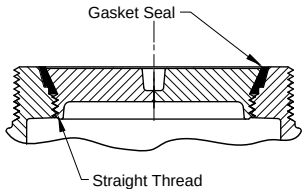


Fig. 10 Gasket Seal Closure

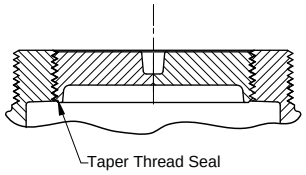


Fig. 11 Taper Thread Closure

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).

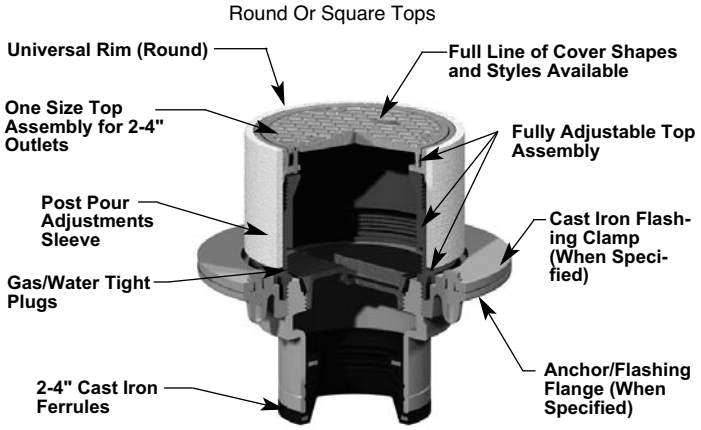


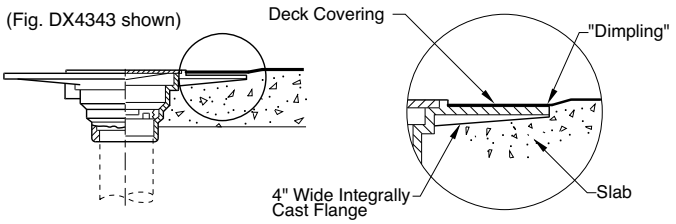
Fig. 12 The Twis-To-Floor® Cleanout

WIDE FLANGE CLEANOUTS

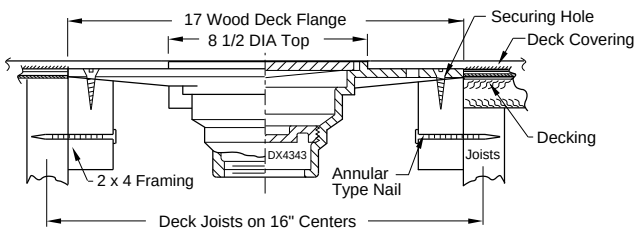
Prefix DX - Designates a wide flange that can be furnished on certain Smith Cleanouts. This flange receives and serves as a bonding base for the membranes and coatings of waterproof floor covering systems. These coverings consist of thin coatings which are applied in a series of trowel coats. The covering 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 subsurfaces 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 to compensate for the variation in thickness. 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

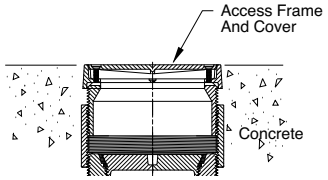


CARPETED FLOOR CLEANOUTS

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

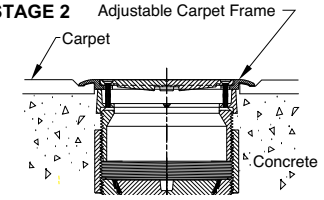
STAGE 1



NOTE: Cover installed in lower frame at this stage.

Fig. 13

STAGE 2



NOTE: Cover removed from stage No. 1 and used with carpet frame.

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.

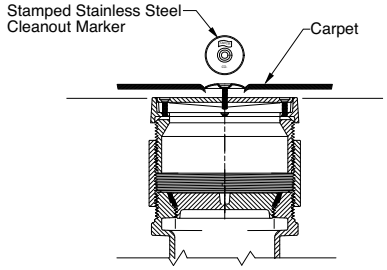


Fig. 15

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.

FIG. SQ-4-1819 ROUND POLISHED STAINLESS STEEL WALL COVER PLATE AND GAS TIGHT CLOSURE

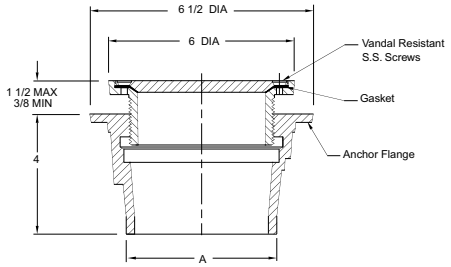
OPTIONS: **ADD**

-NB Nickle Bronze ..... **POA**
-SS Stainless Steel ..... **POA**

SIZE	SQ-4-1819
1.5-2	**169.00**

REGULARLY FURNISHED: Tapered Plug, Threaded Brass Insert, Urethane Rubber Seal, Complete with Polished Stainless Steel Access Cover and Stainless Steel Vandal Proof Screw.

FIG. SQ-4-1753 ADJUSTABLE FLOOR CLEANOUT FOR NON-MEMBRANE FLOORS



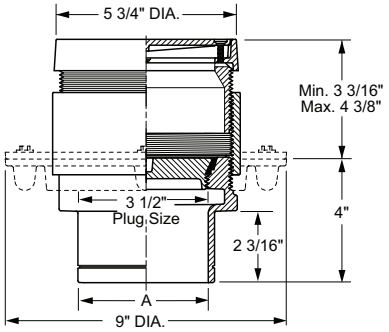
OPTIONS: **ADD**

-SP Seal Plug **75.00**
-VP Vandal Proof Screws **17.00**
-Y Carpet Marker ..... **N/C**
-G Galvanized Body **91.00**

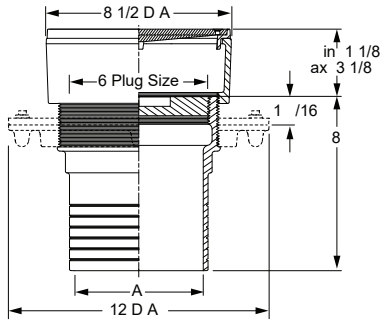
	GENERAL DUTY NB	HD DUTY SS	HD DUTY NB	GENERAL DUTY NB
SIZE	ROUND NB (-NBCO)	ROUND SS (-SSCO)	ROUND HD (-XNBCO)	SQUARE NB (-SQNBCO)
2-3-4	**371.00**	**492.00**	**389.00**	**507.00**

REGULARLY FURNISHED: Duco Cast Iron Body with Adjustable Cast Iron Cleanout and Scoriated Gasketed Cover.

FIG. 4020-4033 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE ROUND MEDIUM DUTY TOPS



4020 SERIES



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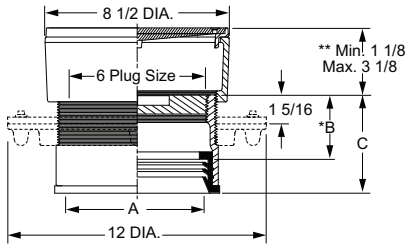
OPTIONS:		ADD
-DX	Wide Flange	531.00
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	97.00
-G	Galvanized CI	222.00
-IP	Iron Plug (In lieu of ABS)	86.00
-NBSS	Stainless Steel Top (2, 3 & 4" sizes)	497.00
-U	Vandal Proof Screws	103.00
-X	Carpet Clamping Type	316.00
-Y	Carpet Marker Type	52.00

REPLACEMENT COVERS:	LIST
4020NBTOP4-NS	625.00
4020NBTOP6-NS	858.00
4020NBTOP4-NS-SS	1,096.00
4020PBTOP4-NS	520.00
4020PBTOP6-NS	815.00



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".

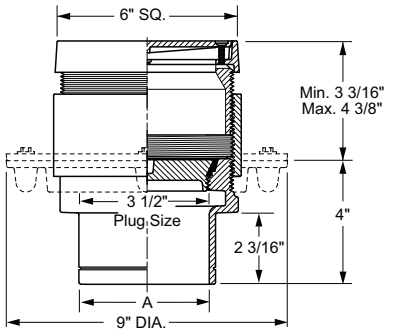
NOTE: For applications using core drilling, the largest diameter of the cleanout assembly is 6 5/16"(160).

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	4020S	4025C	4031L	†Nickel Bronze (-NB)	469.00	469.00	469.00	1,318.00	-	-
				Polished Bronze (-PB)	416.00	416.00	416.00	1,264.00	-	-
Taper Thread Plug	❖4024S	4029C	4034L	†Nickel Bronze (-NB)	655.00	655.00	655.00	1,318.00	-	-
				Polished Bronze (-PB)	601.00	601.00	601.00	1,264.00	-	-
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	4021S	4026C	4032L	†Nickel Bronze (-NB)	643.00	643.00	643.00	1,495.00	-	-
				Polished Bronze (-PB)	589.00	589.00	589.00	1,441.00	-	-
Taper Thread Plug	■4023S**		4033L**	†Nickel Bronze (-NB)	830.00	830.00	830.00	1,495.00	1,494.00	1,789.00
				Polished Bronze (-PB)	776.00	776.00	776.00	1,441.00	1,440.00	1,735.00
Taper Thread Plug		4028C		†Nickel Bronze (-NB)	830.00	830.00	830.00	-	-	-
				Polished Bronze (-PB)	776.00	776.00	776.00	-	-	-
				APPROX WT. LBS.	14	15	19	25	28	32

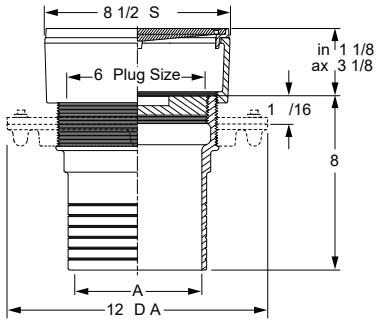
REGULARLY FURNISHED: Duco Cast Iron Cleanout with Round Adjustable Scoriated Secured Nickel Bronze Top. Closure Plug Type as Indicated By Figure Number Selected.

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.

FIG. 4040-4053 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE SQUARE MEDIUM DUTY TOPS



4040 Series



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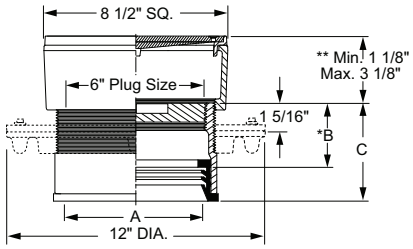
OPTIONS: **ADD**

-DX	Wide Flange	**531.00**
-F	Flange	**N/C**
-FC	Flange w/Flashing Clamp	**97.00**
-G	Galvanized CI	**222.00**
-IP	Iron Plug (In lieu of ABS)	**86.00**
-U	Vandal Proof Screws	**103.00**
-X	Carpet Clamping Type	**316.00**
-Y	Carpet Marker Type	**52.00**

REPLACEMENT COVERS: **LIST**

4040NBTOP4-NS	**625.00**
4040NBTOP6-NS	**858.00**
4040PBTOP4-NS	**520.00**
4040PBTOP6-NS	**815.00**



4053 Series

A SIZE	B	C
06	*3	4 9/16
08	*3 1/4	4 13/16

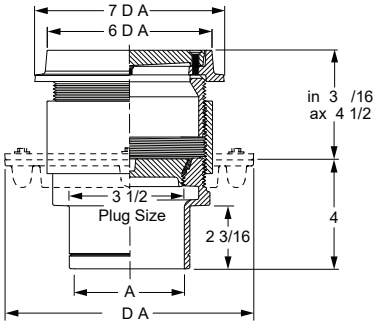
** When Flange -F is specified, Min. 1 1/8" becomes 1 5/8"

WITH ABS PLUG	SPIGOT• OUTLET	INSIDE CAULK OUTLET	SPEEDI-SET* OUTLET	A - OUTLET SIZE COVER MATERIAL	02"	03"	04"	◆05"	**06"	**08"
Gasket Seal Plug	4040S	4045C	4051L	†Nickel Bronze (-NB)	573.00	606.00	809.00	1,318.00	-	-
				Polished Bronze (-PB)	520.00	552.00	755.00	1,264.00	-	-
Taper Thread Plug	4044S	4049C	4054L	†Nickel Bronze (-NB)	827.00	827.00	827.00	1,318.00	-	-
				Polished Bronze (-PB)	773.00	773.00	773.00	1,264.00	-	-
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	4041S	4046C	4052L	†Nickel Bronze (-NB)	750.00	781.00	983.00	1,495.00	1,883.00	2,071.00
				Polished Bronze (-PB)	697.00	727.00	930.00	1,441.00	1,829.00	2,017.00
Taper Thread Plug	4043S**	4048C	4053L**	†Nickel Bronze (-NB)	1,000.00	1,000.00	1,000.00	1,495.00	1,754.00	1,960.00
				Polished Bronze (-PB)	946.00	946.00	946.00	1,441.00	1,700.00	1,906.00
				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.

FIG. 4100-4113 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE ROUND EXTRA HEAVY DUTY TOPS



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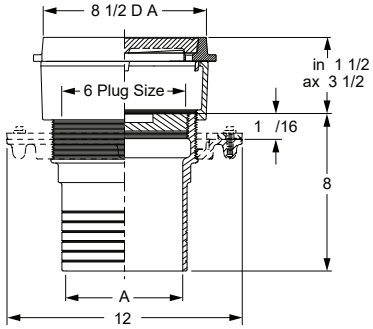

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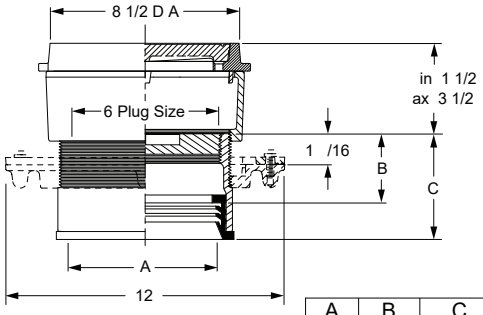

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A S E	B	C
6	3	4 /16
8	3 1/4	4 13/16

OPTIONS:		ADD
-DX	Wide Flange	531.00
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	99.00
-G	Galvanized CI	225.00
-IP	Iron Plug (In lieu of ABS)	86.00
-U	Vandal Proof Screws	103.00

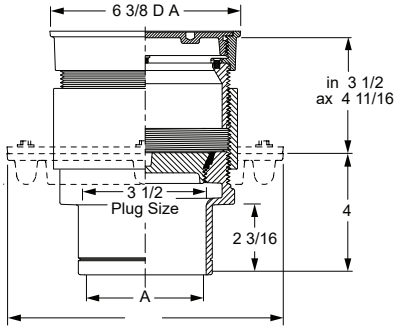
REPLACEMENT COVERS:	LIST
4100NBTOP4-NS	625.00
4100NBTOP6-NS	858.00
4100PBTOP4-NS	520.00
4100PBTOP6-NS	815.00

** When Flange -F is specified, Min. 1 1/2" becomes 2"

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	4100S	4105C	4111L	†Nickel Bronze (-NB)	715.00	749.00	951.00	1,462.00	-	-
				Polished Bronze (-PB)	661.00	694.00	897.00	1,408.00	-	-
Taper Thread Plug	4104S	4109C	4114L	†Nickel Bronze (-NB)	772.00	772.00	772.00	1,462.00	-	-
				Polished Bronze (-PB)	718.00	718.00	718.00	1,408.00	-	-
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	4101S	4106C	4112L	†Nickel Bronze (-NB)	890.00	926.00	1,129.00	1,637.00	-	-
				Polished Bronze (-PB)	837.00	872.00	1,075.00	1,584.00	-	-
Taper Thread Plug	**4103S		**4113L	†Nickel Bronze (-NB)	944.00	944.00	944.00	1,637.00	1,699.00	1,904.00
				Polished Bronze (-PB)	890.00	890.00	890.00	1,584.00	1,645.00	1,850.00
Taper Thread Plug		4108C		Nickel Bronze (-NB)	944.00	944.00	944.00	-	-	-
				Polished Bronze (-PB)	890.00	890.00	890.00	-	-	-
				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.



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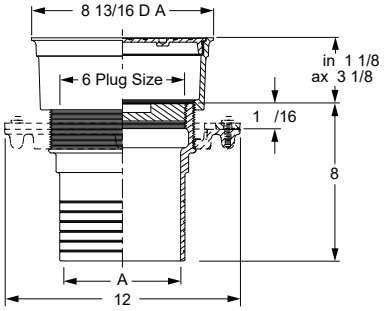

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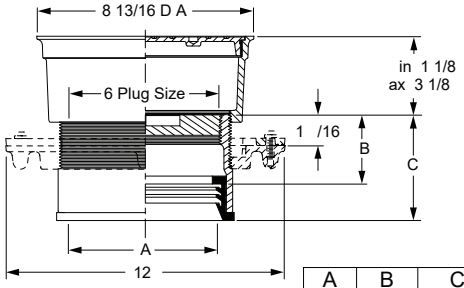

A SIZE	B	C
6	3	4 /16
8	3 1/4	4 13/16

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OPTIONS:		ADD
-DX	Wide Flange	531.00
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	97.00
-G	Galvanized CI	222.00
-IP	Iron Plug (In lieu of ABS)	86.00
-SW	Spanner Wrench	147.00

REPLACEMENT COVERS:	LIST
4120NBTOP4-NS	625.00
4120NBTOP6-NS	858.00
4120PBTOP4-NS	520.00
4120PBTOP6-NS	815.00

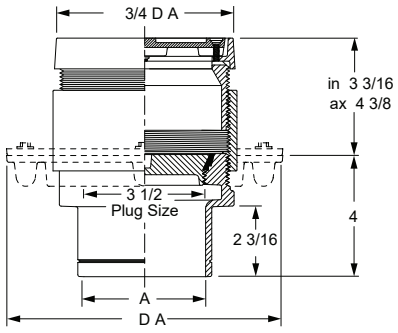
**When Flange -F is specified, Min. 1 1/8" becomes 1 5/8"

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)	612.00	836.00	913.00	1,556.00	-	-
				Polished Bronze (-PB)	557.00	781.00	859.00	1,499.00	-	-
Taper Thread Plug	4124S	4129C	4134L	†Nickel Bronze (-NB)	962.00	962.00	962.00	1,552.00	-	-
				Polished Bronze (-PB)	874.00	874.00	874.00	1,499.00	-	-
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)	784.00	1,010.00	1,094.00	1,729.00	-	-
				Polished Bronze (-PB)	729.00	956.00	1,038.00	1,676.00	-	-
Taper Thread Plug	**4123S		**4133L	†Nickel Bronze (-NB)	1,183.00	1,183.00	1,183.00	1,729.00	2,410.00	2,883.00
				Polished Bronze (-PB)	1,129.00	1,129.00	1,129.00	1,676.00	2,356.00	2,829.00
Taper Thread Plug		4128C		†Nickel Bronze (-NB)	1,183.00	1,183.00	1,183.00	-	-	-
				Polished Bronze (-PB)	1,129.00	1,129.00	1,129.00	-	-	-
				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.

FIG. 4140-4153 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE ROUND TOP WITH TILE RECESS



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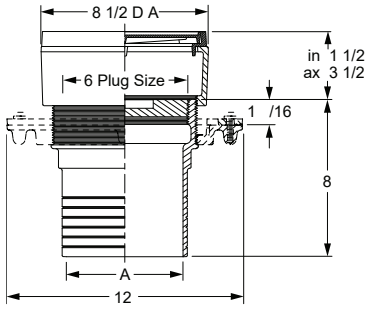

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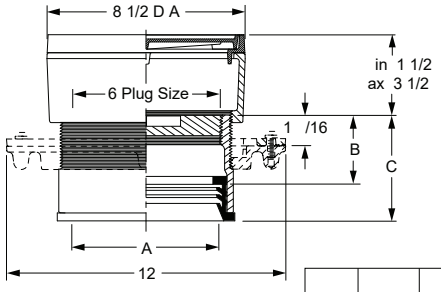

6	3	4 /16
8	3 1/4	4 13/16

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**When Flange -F is specified, Min. 1 1/2" becomes 2"

OPTIONS:		ADD
-DX	Wide Flange	531.00
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	97.00
-G	Galvanized CI	222.00
-IP	Iron Plug (In lieu of ABS)	86.00
-U	Vandal Proof Screws	103.00

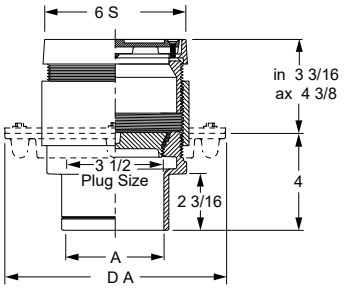
REPLACEMENT COVERS:	LIST
4140NBTOP4-NS	625.00
4140NBTOP6-NS	825.00
4140PBTOP4-NS	520.00
4140PBTOP6-NS	815.00

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	4140S	4145C	4151L	†Nickel Bronze (-NB)	573.00	606.00	809.00	1,318.00	-	-
				Polished Bronze (-PB)	520.00	552.00	755.00	1,264.00	-	-
Taper Thread Plug	4144S	4149C	4154L	†Nickel Bronze (-NB)	827.00	827.00	827.00	1,318.00	-	-
				Polished Bronze (-PB)	773.00	773.00	773.00	1,264.00	-	-
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	4141S	4146C	4152L	†Nickel Bronze (-NB)	750.00	781.00	983.00	1,495.00	-	-
				Polished Bronze (-PB)	697.00	727.00	931.00	1,441.00	-	-
Taper Thread Plug	**4143S		**4153L	†Nickel Bronze (-NB)	1,000.00	1,000.00	1,000.00	1,495.00	1,754.00	1,950.00
				Polished Bronze (-PB)	946.00	946.00	946.00	1,441.00	1,700.00	1,896.00
Taper Thread Plug		4148C		†Nickel Bronze (-NB)	1,000.00	1,000.00	1,000.00	-	-	-
				Polished Bronze (-PB)	946.00	946.00	946.00	-	-	-
				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.

FIG. 4160-4173 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE SQUARE TOP WITH TILE RECESS



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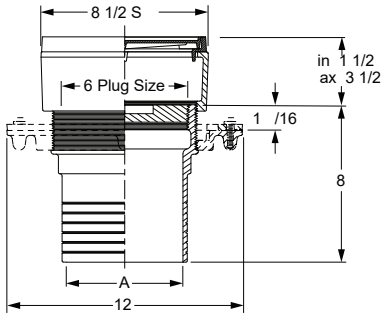
OPTIONS:

		ADD
-DX	Wide Flange	531.00
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	97.00
-G	Galvanized CI	222.00
-IP	Iron Plug (In lieu of ABS)	86.00
-U	Vandal Proof Screws	103.00

REPLACEMENT COVERS:

	LIST
4160NBTOP4-NS	625.00
4160NBTOP6-NS	858.00
4160PBTOP4-NS	520.00
4160PBTOP6-NS	815.00



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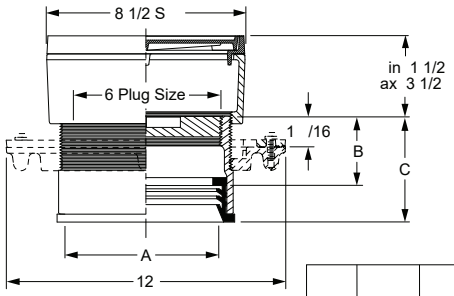

6	3	4 /16
8	3 1/4	4 13/16

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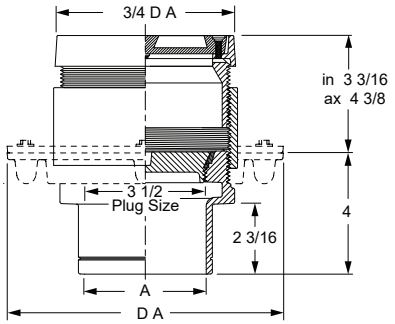
**When Flange -F is specified, Min. 1 1/2" becomes 2"

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	4160S	4165C	4171L	†Nickel Bronze (-NB)	573.00	606.00	809.00	1,318.00	-	-
				Polished Bronze (-PB)	520.00	552.00	755.00	1,264.00	-	-
Taper Thread Plug	4164S	4169C	4174L	†Nickel Bronze (-NB)	998.00	998.00	998.00	1,318.00	-	-
				Polished Bronze (-PB)	944.00	944.00	944.00	1,264.00	-	-
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	4161S	4166C	4172L	†Nickel Bronze (-NB)	750.00	781.00	983.00	1,495.00	-	-
				Polished Bronze (-PB)	697.00	727.00	928.00	1,441.00	-	-
Taper Thread Plug	**4163S		**4173L	†Nickel Bronze (-NB)	1,170.00	1,170.00	1,170.00	1,495.00	1,924.00	2,130.00
				Polished Bronze (-PB)	1,117.00	1,117.00	1,170.00	1,441.00	1,870.00	2,076.00
Taper Thread Plug		4168C		†Nickel Bronze (-NB)	1,170.00	1,170.00	1,170.00	--	-	
				Polished Bronze (-PB)	1,117.00	1,117.00	1,117.00	-	-	-
				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.



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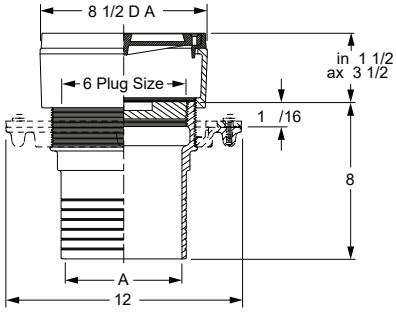
OPTIONS: **ADD**

-DX	Wide Flange	**531.00**
-F	Flange	**N/C**
-FC	Flange w/Flashing Clamp	**97.00**
-G	Galvanized CI	**222.00**
-IP	Iron Plug (In lieu of ABS)	**86.00**
-U	Vandal Proof Screws	**103.00**

REPLACEMENT COVERS: **LIST**

4180NBTOP4-NS	**625.00**
4180NBTOP6-NS	**858.00**
4180PBTOP4-NS	**520.00**



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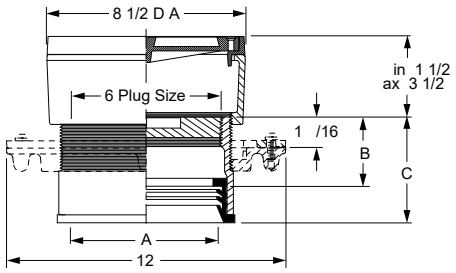

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6	3	4 /16
8	3 1/4	4 13/16

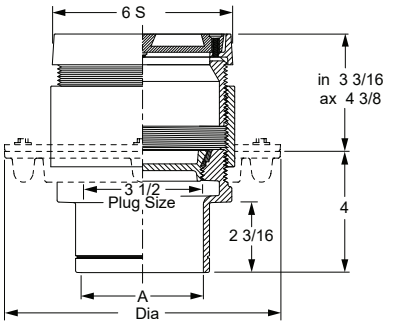
**When Flange -F is specified, Min. 1 1/2" becomes 2"

WITH ABS PLUG	SPIGOT• OUTLET	INSIDE CAULK OUTLET	SPEEDI-SET* OUTLET	A - OUTLET SIZE						
				COVER MATERIAL	02"	03"	04"	◆05"	**06"	**08"
Gasket Seal Plug	4180S	4185C	4191L	†Nickel Bronze (-NB)	898.00	928.00	1,133.00	1,640.00	-	-
				Polished Bronze (-PB)	844.00	875.00	1,080.00	1,586.00	-	-
Taper Thread Plug	4184S	4189C	4194L	†Nickel Bronze (-NB)	827.00	827.00	827.00	1,640.00	-	-
				Polished Bronze (-PB)	773.00	773.00	773.00	1,586.00	-	-
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	4181S	4186C	4192L	†Nickel Bronze (-NB)	1,076.00	1,108.00	1,313.00	1,819.00	-	-
				Polished Bronze (-PB)	1,023.00	1,054.00	1,147.00	1,765.00	-	-
Taper Thread Plug	**4183S		**4193L	†Nickel Bronze (-NB)	1,000.00	1,000.00	1,000.00	1,754.00	1,754.00	1,960.00
				Polished Bronze (-PB)	946.00	946.00	946.00	1,700.00	1,700.00	1,906.00
Taper Thread Plug		4188C		†Nickel Bronze (-NB)	1,000.00	1,000.00	1,000.00	-	-	-
				Polished Bronze (-PB)	946.00	946.00	946.00	-	-	-
				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.

FIG. 4200 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE SQUARE TOP WITH TERRAZZO RECESS



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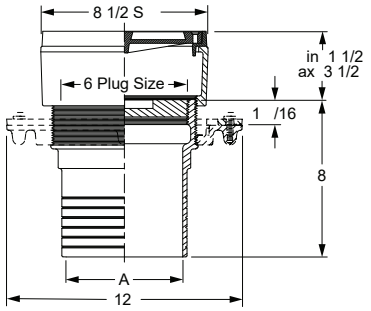

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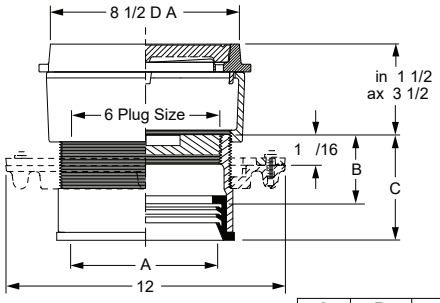

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A S E	B	C
6	3	4 /16
8	3 1/4	4 13/16

OPTIONS:		**ADD**
-DX	Wide Flange	**531.00**
-F	Flange	**N/C**
-FC	Flange w/Flashing Clamp	**97.00**
-G	Galvanized CI	**222.00**
-IP	Iron Plug (In lieu of ABS)	**86.00**
-U	Vandal Proof Screws	**103.00**

REPLACEMENT COVERS:	**LIST**
4200NBTOP4-NS	**625.00**
4200NBTOP6-NS	**858.00**
4200PBTOP4-NS	**815.00**

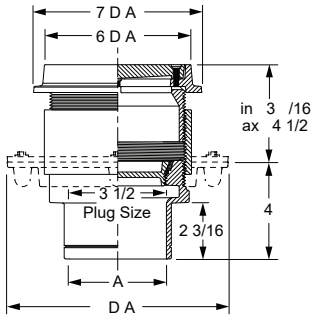
**When Flange -F is specified, Min. 1 1/2" becomes 2"

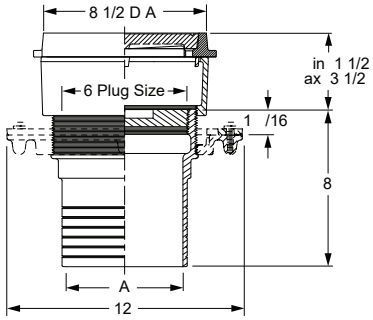
WITH ABS PLUG	SPIGOT• OUTLET	INSIDE CAULK OUTLET	SPEEDI-SET* OUTLET	A - OUTLET SIZE COVER MATERIAL	02"	03"	04"	◆05"	**06"	**08"
Gasket Seal Plug	4200S	4205C	4211L	†Nickel Bronze (-NB)	898.00	928.00	1,133.00	1,640.00	-	-
				Polished Bronze (-PB)	844.00	875.00	1,080.00	1,586.00	-	-
Taper Thread Plug	4204S	4209C	4214L	†Nickel Bronze (-NB)	998.00	998.00	998.00	1,640.00	-	-
				Polished Bronze (-PB)	944.00	944.00	944.00	1,586.00	-	-
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	4201S	4206C	4212L	†Nickel Bronze (-NB)	1,076.00	1,108.00	1,313.00	1,819.00	-	-
				Polished Bronze (-PB)	1,023.00	1,054.00	1,259.00	1,765.00	-	-
Taper Thread Plug	**4203S		**4213L	†Nickel Bronze (-NB)	1,170.00	1,170.00	1,170.00	1,924.00	1,924.00	2,130.00
				Polished Bronze (-PB)	1,117.00	1,117.00	1,117.00	1,870.00	1,870.00	2,076.00
Taper Thread Plug		4208C		†Nickel Bronze (-NB)	1,170.00	1,170.00	1,170.00	-	-	-
				Polished Bronze (-PB)	1,117.00	1,117.00	1,117.00	-	-	-
				APPROX WT. LBS.	14	15	19	25	28	32

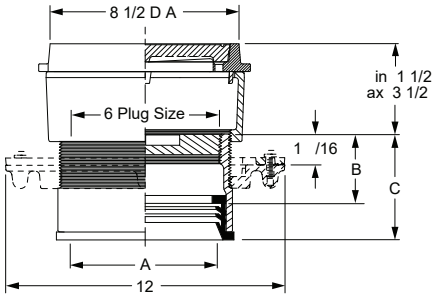
REGULARLY FURNISHED: Duco Cast Iron Cleanout with Square Adjustable Secured Nickel Bronze Top with 1/2" Terrazzo Recess. Closure Plug Type as Indicated By Figure Number Selected.

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.

FIG. 4220 SERIES FINISHED FLOOR CLEANOUTS W/ADJUSTABLE ROUND HEAVY DUTY TOPS







A SIZE	B	C
6	3	4 /16
8	3 1/4	4 13/16

OPTIONS:		ADD
-DX	Wide Flange	531.00
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	97.00
-G	Galvanized CI	222.00
-IP	Iron Plug (In lieu of ABS)	86.00
-M	Ductile Iron Cover	340.00
-U	Vandal Proof Screws	103.00

REPLACEMENT COVERS:	LIST
4220-4-NS	404.00
4220-6-NS	650.00
4220-4M-NS	679.00
4220-6M-NS	924.00

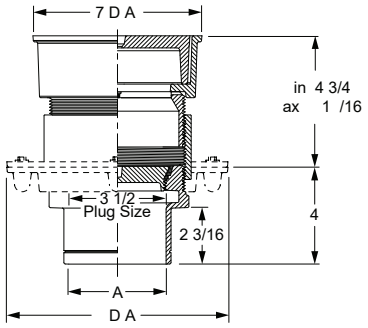
**When Flange -F is specified, Min. 1 1/2" becomes 2"

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	4220S	4225C	4231L	†Cast Iron (-CI)	584.00	584.00	584.00	1,075.00	-	-
Taper Thread Plug	4224S	4229C	4234L							

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	4221S	4226C	4232L	†Cast Iron (-CI)	756.00	756.00	756.00	1,249.00	-	-
Taper Thread Plug	**4223S		**4233L	†Cast Iron (-CI)	756.00	756.00	756.00	1,249.00	1,436.00	1,644.00
Taper Thread Plug		4228C		†Cast Iron (-CI)	756.00	756.00	756.00	-	-	-
				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.



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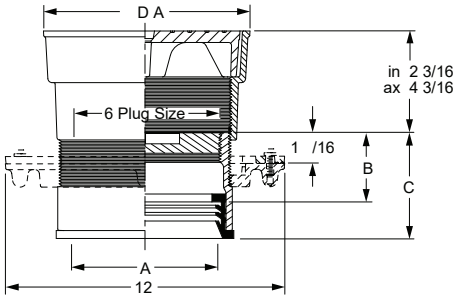

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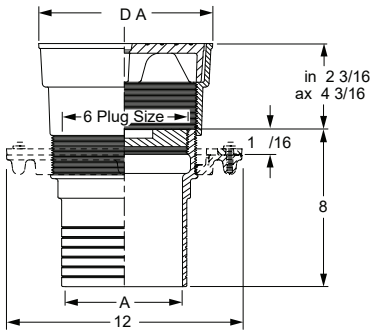
A S E	B	C
6	3	4 /16
8	3 1/4	4 13/16

OPTIONS: **ADD**

-CSS	Center Securing Screw	**86.00**
-DX	Wide Flange	**531.00**
-F	Flange	**N/C**
-FC	Flange w/Flashing Clamp	**97.00**
-G	Galvanized CI	**222.00**
-IP	Iron Plug (In lieu of ABS)	**86.00**
-M	Ductile Iron Cover	**340.00**
-U	VP Center Securing Screw	**103.00**

REPLACEMENT COVERS: **LIST**

4240-4-NS	**404.00**
4240-6-NS	**650.00**
4240-4M-NS	**679.00**
4240-6M-NS	**924.00**
4240-4NBT-NS	**571.00**
4240-6NBT-NS	**858.00**
4240-4PBT-NS	**520.00**
4240-6PBT-NS	**801.00**



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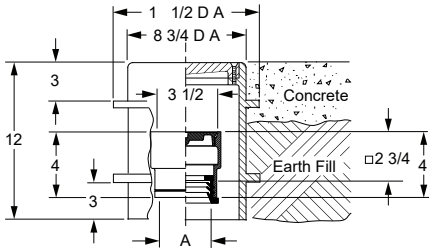
**When Flange -F is specified, Min. 2 3/16" becomes 2 11/16"

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	4240S	4245C	4237L	†Duco Cast Iron (-CI)	386.00	446.00	550.00	926.00	-	-
				Nickel Bronze (-NB)	641.00	700.00	836.00	1,485.00	-	-
				Polished Bronze (-PB)	586.00	645.00	780.00	1,429.00	-	-
Taper Thread Plug	4244S	4249C	4236L	†Duco Cast Iron (-CI)	485.00	663.00	702.00	926.00	-	-
				Nickel Bronze (-NB)	739.00	918.00	988.00	1,485.00	-	-
				Polished Bronze (-PB)	684.00	862.00	932.00	1,429.00	-	-
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	4241S	4246C	4238L	†Duco Cast Iron (-CI)	563.00	626.00	727.00	1,101.00		
				Nickel Bronze (-NB)	818.00	881.00	1,012.00	1,660.00		
				Polished Bronze (-PB)	763.00	825.00	956.00	1,604.00		
Taper Thread Plug	**4243S		**4239L	†Duco Cast Iron (-CI)	654.00	833.00	874.00	1,101.00	1,612.00	1,859.00
				Nickel Bronze (-NB)	908.00	1,088.00	1,159.00	1,660.00	2,176.00	2,591.00
				Polished Bronze (-PB)	853.00	1,033.00	1,103.00	1,604.00	2,121.00	2,536.00
Taper Thread Plug		4248C		†Duco Cast Iron (-CI)	654.00	833.00	874.00			
				Nickel Bronze (-NB)	908.00	1,088.00	1,159.00			
				Polished Bronze (-PB)	853.00	1,033.00	1,103.00			
				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.



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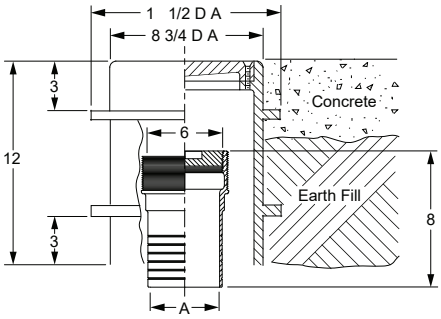

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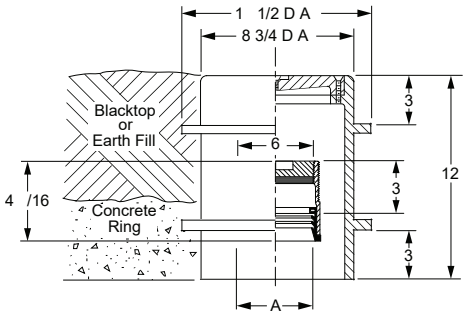

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OPTIONS: **ADD**

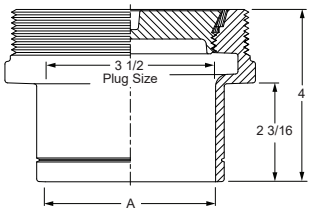
-G	Galvanized CI	**710.00**
-GH	Galv CI Housing Only	**510.00**
-IP	Iron Plug (In lieu of ABS)	**86.00**
-M	Ductile Iron Cover	**421.00**
-U	Vandal Proof Screws	**86.00**
	Cover Cast W/"Gas Shut Off" (-GSO) or "Water Shut Off" (-WSO)	**176.00**
4880	Housing Only	**1,278.00**

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***	4250S	4255C	4261L	†Duco Cast Iron (-CI)	1,437.00	1,491.00	1,503.00	1,725.00	-	-
Taper Thread Plug	4254S	4259C	4264L	Nickel Bronze (-NB)	2,000.00	2,054.00	2,066.00	2,288.00	-	-
				Polished Bronze (-PB)	1,947.00	2,000.00	2,013.00	2,234.00	-	-
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	4251S		4262L	†Duco Cast Iron (-CI)	1,612.00	1,665.00	1,679.00	1,904.00	-	-
				Nickel Bronze (-NB)	2,175.00	2,229.00	2,242.00	2,467.00	-	-
				Polished Bronze (-PB)	2,121.00	2,175.00	2,188.00	2,414.00	-	-
Gasket Seal Plug		4256C		†Duco Cast Iron (-CI)	1,612.00	1,665.00	1,679.00	-	-	-
				Nickel Bronze (-NB)	2,175.00	2,229.00	2,242.00	-	-	-
				Polished Bronze (-PB)	2,121.00	2,175.00	2,188.00	-	-	-
Taper Thread Plug	**4253S			†Duco Cast Iron (-CI)	1,612.00	1,665.00	1,679.00	1,904.00	2,419.00	2,847.00
				Nickel Bronze (-NB)	2,175.00	2,229.00	2,242.00	2,467.00	2,983.00	3,410.00
				Polished Bronze (-PB)	2,121.00	2,175.00	2,188.00	2,414.00	2,929.00	3,357.00
Taper Thread Plug			Δ**4263L	†Duco Cast Iron (-CI)	1,612.00	1,665.00	1,679.00	-	2,419.00	-
				Nickel Bronze (-NB)	2,175.00	2,229.00	2,242.00	-	2,983.00	-
				Polished Bronze (-PB)	2,121.00	2,175.00	2,188.00	-	2,929.00	-
Taper Thread Plug		4258C		†Duco Cast Iron (-CI)	1,612.00	1,665.00	1,679.00	-	-	-
				Nickel Bronze (-NB)	2,175.00	2,229.00	2,242.00	-	-	-
				Polished Bronze (-PB)	2,121.00	2,175.00	2,188.00	-	-	-
				APPROX WT. LBS.	31	33	35	42	49	61

REGULARLY FURNISHED: Duco 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. This dimension to internal stop of Speedi-Set® Gasket.
Δ Not Available in 8".

FIG. 4280 SERIES UNFINISHED FLOOR CLEANOUT BODIES WITH CLOSURE PLUG



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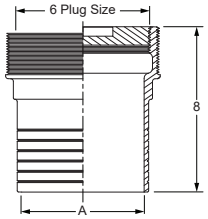

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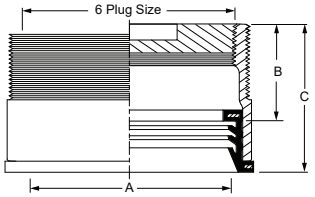

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A SIZE	B	C
6	3	4 /16
8	3 1/4	4 13/16

OPTIONS:

		ADD
-F	Flange	N/C
-FC	Flange w/Flashing Clamp	97.00
-G	Galvanized CI	222.00
-IP	Iron Plug (In lieu of ABS)	86.00
-RHP	Raised Head Closure Plug	N/C
-TP	"T" Handle for Plug	72.00
	(Bronze plug must be used when -TP is specified)	

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)	160.00	215.00	225.00	446.00	-	-
Taper Thread Plug	4284S	4289C		†Duco Cast Iron (-CI)	160.00	215.00	225.00	446.00	-	-
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)	335.00	391.00	402.00	626.00	-	-
Taper Thread Plug	**4283S		**4293L	†Duco Cast Iron (-CI)	335.00	391.00	402.00	626.00	629.00	1,575.00
Taper Thread Plug		4288C		†Duco Cast Iron (-CI)	335.00	391.00	402.00	-	-	-
				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, 4318 MULTI-PURPOSE FLOOR CLEANOUTS W/ INTERNAL CLOSURE PLUG AND ROUND ADJUSTABLE CAST IRON TOP

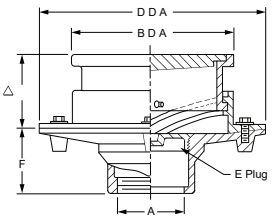


Fig. i

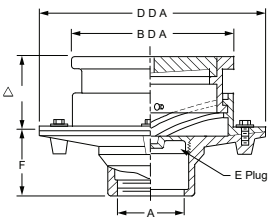


Fig.

△ 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
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

OPTIONS:

		ADD
-G	Galvanized CI	453.00
-M	Ductile Iron Cover (4318)	396.00
-RT	Recessed for Tile	321.00
-S	Square Top, CI	296.00
-SEC	Secured Cover	146.00
-SNB	Square Top, add to CI	740.00
-SPB	Square Top, add to CI	626.00
-TP	"T" Handle for Plug	72.00
-U	Vandal Proof Screws	169.00

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"	1,368.00	1,774.00	1,710.00	35
03"	8 1/2"	12"	4"	4"	3 1/2"	4 1/2"	1,368.00	1,774.00	1,710.00	35
04"	8 1/2"	12"	5"	4"	3 1/2"	4 1/2"	1,408.00	1,784.00	1,751.00	35

REGULARLY FURNISHED: Round Adjustable Top with Scoriated Loose Set Cast Iron Cover, Taper Thread Bronze Closure Plug and Flashing Collar.

†REGULARLY FURNISHED

FIG. 4333, 4338 MULTI-PURPOSE FLOOR CLEANOUTS W/ INTERNAL CLOSURE PLUG AND ROUND NON-ADJUSTABLE CAST IRON TOP

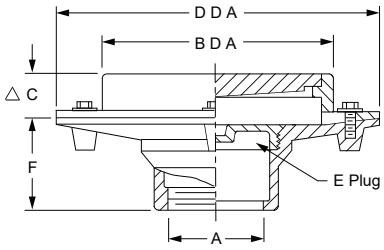


Fig. i

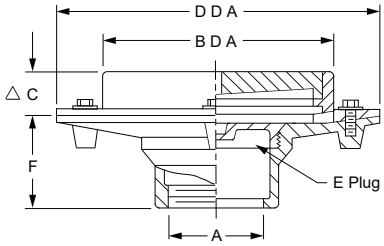


Fig.

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

OPTIONS:		ADD
-G	Galvanized CI	483.00
-M	Ductile Iron Cover (4338)	396.00
-RT	Recessed for Tile	321.00
-S	Square Top, CI	296.00
-SEC	Secured Cover	146.00
-SNB	Square Top, add to CI	740.00
-SPB	Square Top, add to CI	628.00
-TP	"T" Handle for Plug	72.00
-U	Vandal Proof Screws	169.00

A OUTLET SIZE	B TOP DIA	ΔC	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"	**1,104.00**	**1,481.00**	**1,421.00**	33
03"	8 1/2"	1 5/8"	12"	4"	4"	**1,104.00**	**1,481.00**	**1,421.00**	33
04"	8 1/2"	1 5/8"	12"	5"	4"	**1,146.00**	**1,552.00**	**1,463.00**	33

REGULARLY FURNISHED: Duco Cast Iron Body with Scoriated Loose Set Cast Iron Cover, Taper Thread Bronze Closure Plug and Flashing Collar.

Δ Add 1/4" when bronze top is specified

†REGULARLY FURNISHED

FIG. DX4343 WIDE FLANGE CAST IRON MULTI-PURPOSE FLOOR CLEANOUT W/ INTERNAL CLOSURE PLUG

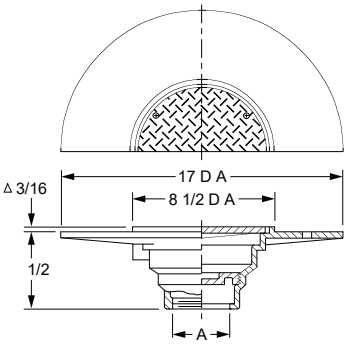


Fig.

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

OPTIONS:		ADD
-SH	Securing Holes in Flange	111.00
-U	Vandal Proof Cover	86.00

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.

ΔAdd 3/16" when bronze top is specified.

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"	**1,175.00**	**1,327.00**	**1,362.00**	30

REGULARLY FURNISHED: Duco Cast Iron Body with Solid Secured Cover and Taper Thread Bronze Closure Plug.

FIG. 4400, 4402 CAULK FERRULE CLEANOUT LEAD SEAL PLUG W/ROUND ACCESS COVER

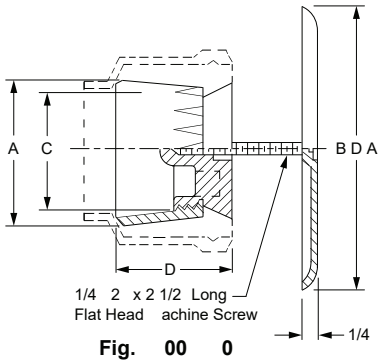


Fig. 00 0

OPTIONS:		ADD
-BP	Cast Bronze Lead Seal Plug 02, 03, 04"	176.00
	06"	552.00
-LSS	6" Long Center Screw	48.00
-TP	"T" Handle for Plug	72.00
-U	Vandal Proof Screw	86.00

LESS COVER	PLUG MATERIAL		A - PIPE SIZE:	02"	03"	04"	06"
4400CI	CI Ferrule and CI Plug			165.00	165.00	165.00	545.00
			A - PIPE SIZE:	02"	03"	04"	06"
WITH COVER	PLUG MATERIAL	COVER MATERIAL	B - COVER SIZE DIA:	4 1/4"	5 1/2"	5 1/2"	9 1/4"
4402	CI Ferrule and CI Plug	†Stainless Steel (-SS)		171.00	171.00	310.00	844.00
		Prime Coated Steel (-PC)		130.00	130.00	269.00	803.00
		Polished Bronze (-PB)		130.00	130.00	269.00	803.00
			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. 4420-4422 SERIES CAULK FERRULE CLEANOUT TAPER THREAD PLUG W/ROUND ACCESS COVER

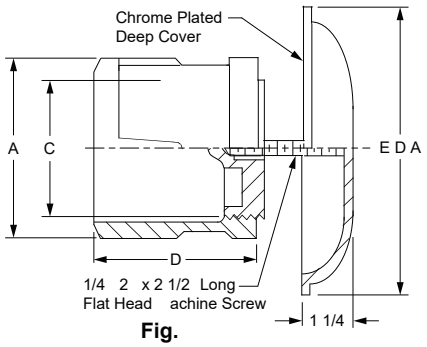


Fig.

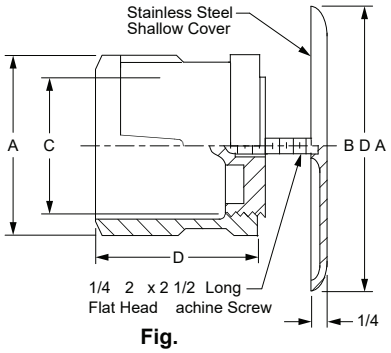


Fig.

OPTIONS: **ADD**

-LSS	6" Long Center Screw	**48.00**
-TP	"T" Handle for Plug	**72.00**
-U	Vandal Proof Screw	**86.00**

LESS COVER	PLUG MATERIAL		A - PIPE SIZE:	Δ02"	Δ03"	Δ04"	05"	06"	08"
4420CI	CI Ferrule and Brz Plug			335.00	233500	335.00	948.00	948.00	1,418.00
WITH DEEP COVER	PLUG MATERIAL	COVER MATERIAL	A - PIPE SIZE: B - COVER SIZE DIA:	Δ02" 4 1/4"	Δ03" 5 1/2"	Δ04" 5 1/2"	05" 7"	06" 9 1/4"	08" 11 1/4"
4421	CI Ferrule and Brz Plug	†Chrome Plated (CP)		396.00	446.00	497.00	594.00	925.00	1,464.00
		Stainless Steel (-SS)		549.00	549.00	549.00	1,204.00	1,204.00	1,676.00
WITH SHALLOW COVER	PLUG MATERIAL	A - PIPE SIZE: COVER MATERIAL	B - COVER SIZE DIA:	Δ02" 4 1/4"	Δ03" 5 1/2"	Δ04" 5 1/2"	05" 7"	06" 9 1/4"	08" 11 1/4"
4422	CI Ferrule and Brz Plug	†Stainless Steel (-SS)		342.00	342.00	482.00	1,242.00	1,242.00	1,855.00
		Prime Coated Steel (-PC)		300.00	300.00	440.00	1,201.00	1,201.00	1,813.00
		Polished Bronze (-PB)		300.00	300.00	440.00	1,201.00	1,201.00	1,813.00
			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

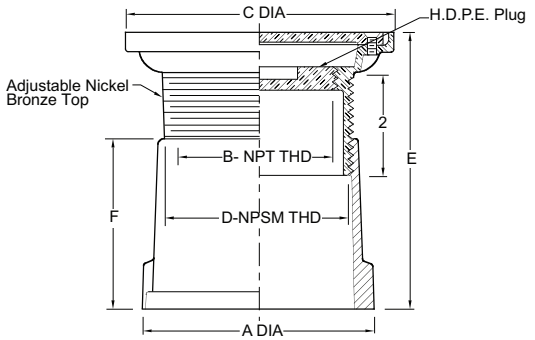
*Die Formed SS Cover Only

ΔSized 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.

†REGULARLY FURNISHED

FIG. 4429 ROUND ADJUSTABLE NICKEL BRONZE TOP



A (NOM)	B	C	D	E MIN	E MAX	F
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

4429C02NB	2" 4429 Caulk w/NB Top	**450.00**
4429C03NB	3" 4429 Caulk w/NB Top	**513.00**
4429C04NB	4" 4429 Caulk w/NB Top	**584.00**
4429C06NB	6" 4429 Caulk w/NB Top	**678.00**
4429C02PB	2" 4429 Caulk w/PB Top	**411.00**
4429C03PB	3" 4429 Caulk w/PB Top	**479.00**
4429C04PB	4" 4429 Caulk w/PB Top	**551.00**
4429C06PB	6" 4429 Caulk w/PB Top	**642.00**
4429Y02NB	2" 4429 No-Hub w/NB Top	**450.00**
4429Y03NB	3" 4429 No-Hub w/NB Top	**513.00**
4429Y04NB	4" 4429 No-Hub w/NB Top	**584.00**
4429Y06NBFB	6" 4429 No-Hub w/NB Top	**678.00**
4429Y02PB	2" 4429 No-Hub w/PB Top	**411.00**
4429Y03PB	3" 4429 No-Hub w/PB Top	**479.00**
4429Y04PB	4" 4429 No-Hub w/PB Top	**551.00**
4429Y06PBFB	6" 4429 No-Hub w/PB Top	**642.00**
4429L04NB	4" 4429 Speedi-Set® SW w/NB Top	**540.00**
4429LXH04NB	4" 4429 Speedi-Set® XH w/NB Top	**540.00**
4429L04PB	4" 4429 Speedi-Set® SW w/PB Top	**510.00**
4429LXH04PB	4" 4429 Speedi-Set® XH w/PB Top	**510.00**
		ADD FOR
-U	Vandal Proof (add to NB Top)	**102.00**
-U	Vandal Proof (add to PB Top)	**36.00**

REGULARLY FURNISHED: Duco Cast Iron Ferrule and Adjustable Nickel Bronze top with Solid Scoriated Cover and H.D.P.E. Plug.

FIG. 4430, 4431 CAULK FERRULE CLEANOUT LEAD SEAL PLUG W/SQUARE FRAME AND COVER

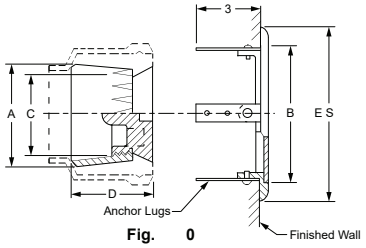


Fig. 0

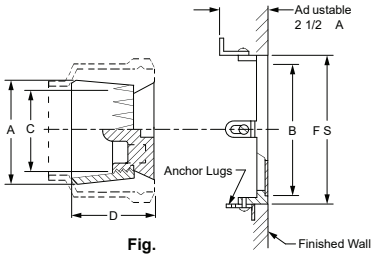


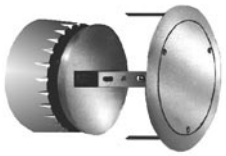
Fig.

OPTIONS:		ADD
-BB	Cast Bronze Ferrule and Plug	**POA**
-BP	Cast Bronze Lead Seal Plug	
	02, 03, 04"	**176.00**
	06"	**563.00**
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	**119.00**
-U	Vandal Proof Screw	**86.00**
	Solid Scoriated Cover f/Flush Type Cover	**See Fig 4439**

			A - PIPE SIZE:	02"	03"	04"	06"
		COVER MATERIAL	B - COVER SIZE SQ:	6 x 6"	6 x 6"	6 x 6"	8 x 8"
4430	Face of Wall	†Chrome Plated (-CP)		694.00	749.00	800.00	1,279.00
		Nickel Bronze (-NB)		672.00	727.00	777.00	1,247.00
		Polished Bronze (-PB)		567.00	622.00	672.00	1,077.00
			A - PIPE SIZE:	02"	03"	04"	06"
		COVER MATERIAL	B - COVER SIZE SQ:	6 x 6"	6 x 6"	6 x 6"	8 x 8"
4431	Flush with Wall	†Chrome Plated (-CP)		694.00	749.00	800.00	1,279.00
		Nickel Bronze (-NB)		672.00	727.00	777.00	1,247.00
		Polished Bronze (-PB)		567.00	622.00	672.00	1,077.00
			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, 4433 CAULK FERRULE CLEANOUT LEAD SEAL PLUG W/ROUND FRAME AND COVER



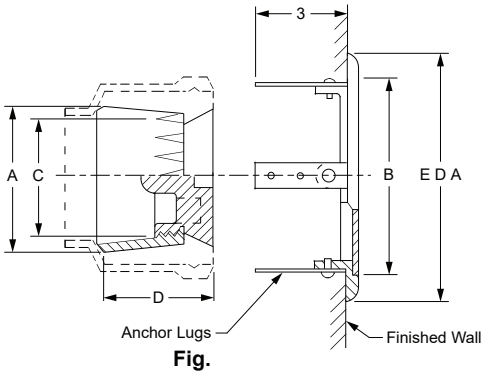


Fig.

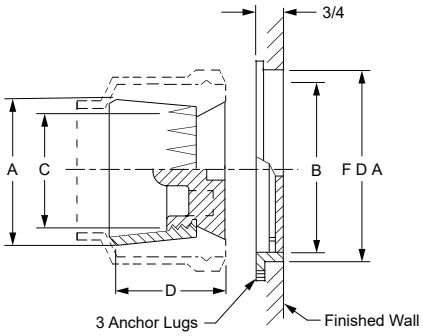


Fig.

OPTIONS: **ADD**

-BB Cast Bronze Ferrule and Plug ..... **POA**
-BP Cast Bronze Lead Seal Plug
02, 03, 04" **176.00**
06" **563.00**
-TH Plug Tapped 1/4-20 w/T Handle for Plug **119.00**
-U Vandal Proof Screw **86.00**
Solid Scoriated Cover f/Flush Type Cover ..... **See Fig 4438**

			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)		450.00	503.00	553.00	1,002.00
		Nickel Bronze (-NB)		409.00	460.00	511.00	949.00
		Polished Bronze (-PB)		377.00	430.00	480.00	905.00
			A - PIPE SIZE:	02"	03"	04"	06"
		COVER MATERIAL	B - COVER SIZE DIA	4"	5 1/2"	6"	8"
4433	Flush with Wall	†Chrome Plated (-CP)		450.00	503.00	553.00	1,002.00
		Nickel Bronze (-NB)		409.00	460.00	511.00	949.00
		Polished Bronze (-PB)		377.00	430.00	480.00	905.00
			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.

†REGULARLY FURNISHED

FIG. 4434, 4435 CAULK FERRULE CLEANOUT TAPER THREAD PLUG W/SQUARE FRAME AND COVER

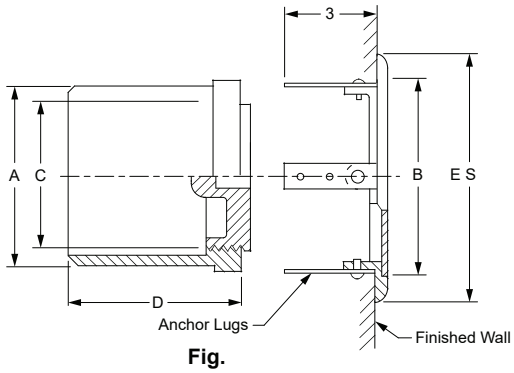


Fig.

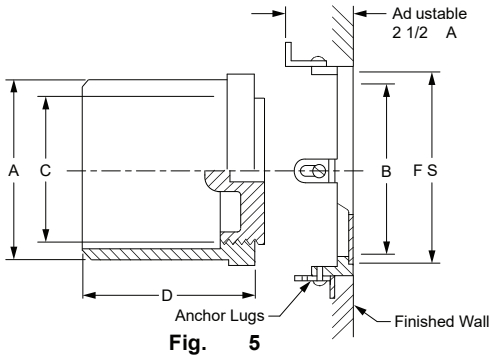


Fig. 5

OPTIONS: **ADD**

-BB	Cast Bronze Ferrule and Plug	**POA**
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	**119.00**
-U	Vandal Proof Screw	**86.00**
	Solid Scoriated Cover f/Flush Type Cover	**See Fig 4441**

			A - PIPE SIZE:	Δ02"	Δ03"	Δ04"	05"	06"	08"
		COVER MATERIAL	B - COVER SIZE SQ:	6 x 6"	6 x 6"	6 x 6"	8 x 8"	8 x 8"	10 x 10"
4434	Face of Wall	†Chrome Plated (-CP)		694.00	749.00	800.00	1,175.00	1,279.00	1,683.00
		Nickel Bronze (-NB)		672.00	727.00	777.00	1,142.00	1,247.00	1,589.00
		Polished Bronze (-PB)		567.00	622.00	672.00	973.00	1,077.00	1,484.00
			A - PIPE SIZE:	Δ02"	Δ03"	Δ04"	05"	06"	08"
		COVER MATERIAL	B - COVER SIZE SQ:	6 x 6"	6 x 6"	6 x 6"	8 x 8"	8 x 8"	10 x 10"
4435	Flush with Wall	†Chrome Plated (-CP)		694.00	749.00	800.00	1,175.00	1,279.00	1,683.00
		Nickel Bronze (-NB)		672.00	727.00	777.00	1,142.00	1,247.00	1,589.00
		Polished Bronze (-PB)		567.00	622.00	672.00	973.00	1,077.00	1,484.00
			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

ΔSized for Service Weight and/or NO-HUB

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.

FIG. 4436, 4437 CAULK FERRULE CLEANOUT TAPER THREAD PLUG W/ROUND FRAME AND COVER

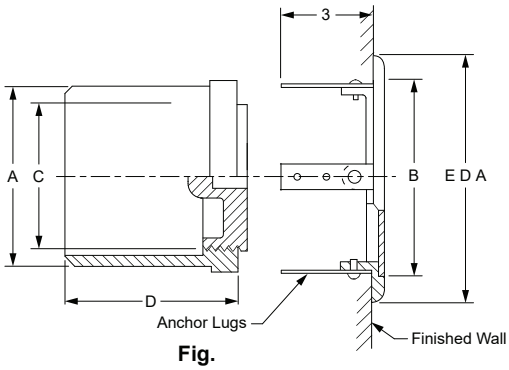


Fig.

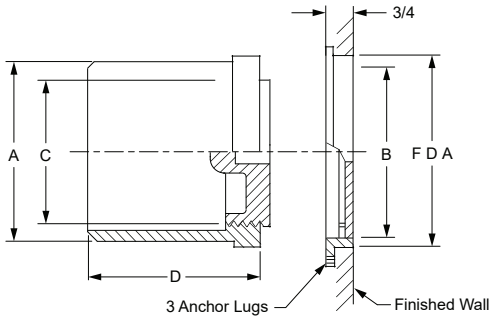


Fig.

OPTIONS: **ADD**

-BB	Cast Bronze Ferrule and Plug	**POA**
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	**119.00**
-U	Vandal Proof Screw	**86.00**
	Solid Scoriated Cover f/Flush Type Cover	**See Fig 4440**

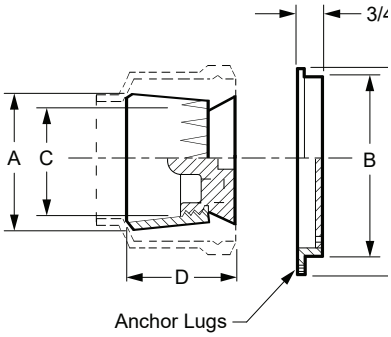
		COVER MATERIAL	A - PIPE SIZE: / B - COVER SIZE DIA:	Δ02" / 4"	Δ03" / 5 1/2"	Δ04" / 6"	05" / 6"	06" / 8"	*08" / 10"
4436	Face of Wall	†Chrome Plated (-CP)		450.00	503.00	553.00	645.00	1,002.00	-
		Nickel Bronze (-NB)		409.00	460.00	511.00	603.00	949.00	-
		Polished Bronze (-PB)		377.00	430.00	480.00	572.00	905.00	-
			A - PIPE SIZE:	**Δ02"**	**Δ03"**	**Δ04"**	**05"**	**06"**	***08"**
		COVER MATERIAL	**B - COVER SIZE DIA:**	**4"**	**5 1/2"**	**6"**	**6"**	**8"**	**10"**
4437	Flush with Wall	†Chrome Plated (-CP)		450.00	503.00	553.00	645.00	1,002.00	1,717.00
		Nickel Bronze (-NB)		409.00	460.00	511.00	603.00	949.00	1,525.00
		Polished Bronze (-PB)		377.00	430.00	480.00	572.00	905.00	1,426.00
			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

ΔSized 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.

†REGULARLY FURNISHED

FIG. 4438, 4439 CAULK FERRULE CLEANOUT LEAD SEAL PLUG W/FRAME AND SCORIATED COVER



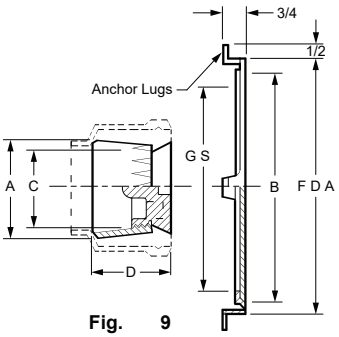


Fig. 9

OPTIONS: **ADD**

-BB	Cast Bronze Ferrule	**POA**
-BP	Cast Bronze Lead Seal Plug	
	02, 03, 04"	**176.00**
	06"	**563.00**
-TH	Plug Tapped 1/4-20 Thread w/T Handle for Plug	**122.00**
-U	Vandal Proof Screw	**86.00**
	Cover Drilled in Center and Furnished with 1/4-20 x 2 1/2" Long Screw	**127.00**

		COVER MATERIAL	A - PIPE SIZE: / B - COVER SIZE DIA:	02" / 4"	03" / 5 1/2"	04" / 6"	06" / 8"
4438	**Flush With Wall**	Chrome Plated (-CP)		**496.00**	**553.00**	**610.00**	**713.00**
		†Nickel Bronze (-NB)		**451.00**	**503.00**	**554.00**	**648.00**
		Polished Bronze (-PB)		**420.00**	**472.00**	**523.00**	**606.00**
		COVER MATERIAL	**A - PIPE SIZE: / B - COVER SIZE SQ:**	**02" / 6 x 6"**	**03" / 6 x 6"**	**04" / 6 x 6"**	**06" / 8 x 8"**
4439	**Flush With Wall**	Chrome Plated (-CP)		**640.00**	**691.00**	**743.00**	**1,200.00**
		†Nickel Bronze (-NB)		**640.00**	**691.00**	**743.00**	**1,200.00**
		Polished Bronze (-PB)		**567.00**	**618.00**	**670.00**	**1,096.00**
			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.

FIG. 4440, 4441 CAULK FERRULE CLEANOUT TAPER THREAD PLUG W/FRAME AND SCORIATED COVER

Same as 4438 and 4439 but with Taper Thread Plug

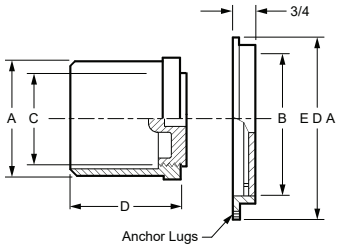


Fig. 0

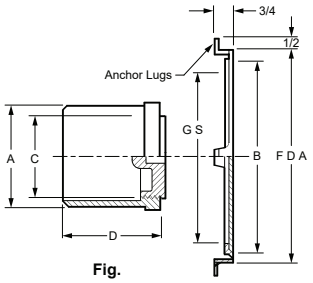


Fig.

OPTIONS: **ADD**

-BB	Cast Bronze Ferrule	**POA**
-TH	Plug Tapped 1/4-20 Thread w/T Handle for Plug	**119.00**
-U	Vandal Proof Screw	**86.00**
	Cover Drilled in Center and Furnished with 1/4-20 x 2 1/2" Long Screw	**127.00**
	Smooth Cover for Flush-Type Cover	**See Fig 4435, 4437**

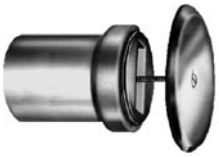
			A - PIPE SIZE:	**Δ02"**	**Δ03"**	**Δ04"**	**05"**	**06"**	**08"**
		COVER MATERIAL	**B - COVER SIZE DIA:**	**4"**	**5 1/2"**	**6"**	**6"**	**8"**	**10"**
4440	**Face of Wall**	Chrome Plated (-CP)		**577.00**	**577.00**	**577.00**	**648.00**	**1,655.00**	**2,223.00**
		†Nickel Bronze (-NB)		**524.00**	**524.00**	**524.00**	**606.00**	**1,519.00**	**2,041.00**
		Polished Bronze (-PB)		**493.00**	**493.00**	**493.00**	**575.00**	**1,476.00**	**1,942.00**
			A - PIPE SIZE:	**02"**	**03"**	**04"**	**05"**	**06"**	**08"**
		COVER MATERIAL	**B - COVER SIZE SQ:**	**6 x 6"**	**6 x 6"**	**6 x 6"**	**8 x 8"**	**8 x 8"**	**10 x 10"**
4441	**Flush with Wall**	Chrome Plated (-CP)		**640.00**	**693.00**	**746.00**	**1,095.00**	**1,200.00**	**1,593.00**
		†Nickel Bronze (-NB)		**640.00**	**693.00**	**746.00**	**1,095.00**	**1,200.00**	**1,593.00**
		Polished Bronze (-PB)		**567.00**	**620.00**	**673.00**	**992.00**	**1,096.00**	**1,486.00**
			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"

ΔSized for Service Weight and/or NO-HUB

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.

†REGULARLY FURNISHED

FIG. 4450, 4452 CAULK FERRULE CLEANOUT FULL CALIBER FERRULE TAPER THREAD PLUG W/ROUND COVER



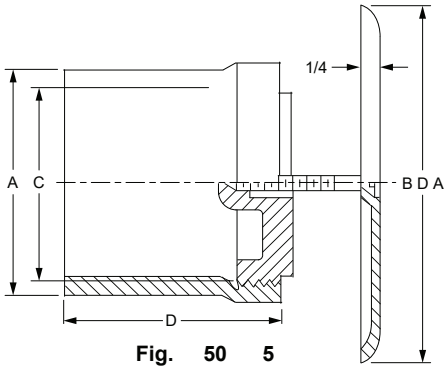


Fig. 50 5

OPTIONS: **ADD**

-LSS 6" Long Center Screw.....**48.00**
-TH Plug Tapped 1/4-20 Thread w/T Handle for Plug.....**119.00**
-U Vandal Proof Screw **86.00**

LESS COVER	CLEANOUT MATERIAL		A - PIPE SIZE:	02"	03"	04"
4450	†CI Ferrule and Bronze Plug			171.00	171.00	310.00
			A - PIPE SIZE:	02"	03"	04"
WITH COVER	CLEANOUT MATERIAL	COVER MATERIAL	B - COVER SIZE DIA:	4 1/4"	5 1/2"	7"
4452	†CI Ferrule and Bronze Plug	†Stainless Steel (-SS)		171.00	171.00	310.00
		Prime Coated Steel (-PC)		130.00	130.00	269.00
		Polished Bronze (-PB)		130.00	130.00	269.00
			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 Caliber 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

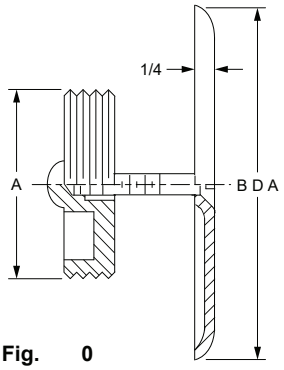


Fig. 0

OPTIONS: **ADD**

-LSS 6" Long Center Screw.....**48.00**
-TH Plug Tapped 1/4-20 Thread w/T Handle for Plug.....**119.00**
-U Vandal Proof Screw **86.00**

LESS COVER	PLUG MATERIAL	A - PLUG SIZE:	0150"	02"	0250"	03"	0350"	04"	05"	06"	08"	10"
4470	†Bronze Plug		53.00	71.00	86.00	207.00	207.00	207.00	236.00	479.00	525.00	981.00
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)		169.00	184.00	199.00	312.00	312.00	312.00	394.00	795.00	983.00	1,419.00
	Prime Coated Steel (-PC)		128.00	132.00	148.00	228.00	228.00	228.00	355.00	568.00	1,057.00	1,380.00
	Polished Bronze (-PB)		147.00	159.00	179.00	279.00	279.00	279.00	355.00	694.00	964.00	1,380.00
		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, 4530 SERIES CLEANOUT TEE W/COUNTERSUNK PLUG AND ROUND ACCESS COVER

OPTIONS:		ADD
-LS	6" Long Center Screw	48.00
-LSU	6" Long Vandal Proof Center Screw	128.00
-TH	Plug Tapped 1/4-20 w/T Handle for Plug	119.00
-U	Vandal Proof Screw (1/4-20 X 2 1/2")	86.00
Y	No-Hub Tee (02, 03, 04" only)	N/C

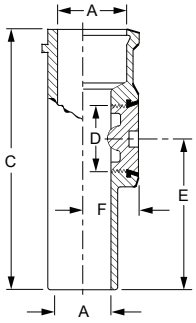


Fig. 5 0

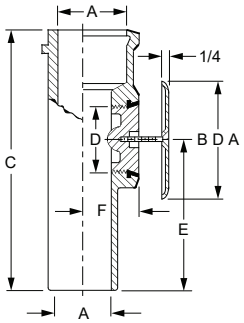


Fig. 5 0

LESS COVER			A - PIPE SIZE:	02"	03"	04"	06"
4510	Gasket Seal Cast Iron Plug			368.00	439.00	664.00	1,826.00
4511	Gasket Seal Bronze Plug			384.00	436.00	580.00	1,712.00
4512	Taper Thread Bronze Plug			384.00	436.00	580.00	1,712.00
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)		479.00	550.00	815.00	2,136.00
		Prime Coated Steel (-PC)		438.00	508.00	774.00	2,094.00
		Polished Bronze (-PB)		438.00	508.00	774.00	2,094.00
With Bronze Plug							
4531	Gasket Seal Plug	†Stainless Steel (-SS)		496.00	547.00	736.00	2,027.00
		Prime Coated Steel (-PC)		455.00	505.00	694.00	1,986.00
		Polished Bronze (-PB)		455.00	505.00	694.00	1,986.00
With Bronze Plug							
4532	Taper Thread Plug	†Stainless Steel (-SS)		648.00	721.00	989.00	2,536.00
		Prime Coated Steel (-PC)		607.00	680.00	948.00	2,494.00
		Polished Bronze (-PB)		607.00	680.00	948.00	2,494.00
			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.

†REGULARLY FURNISHED

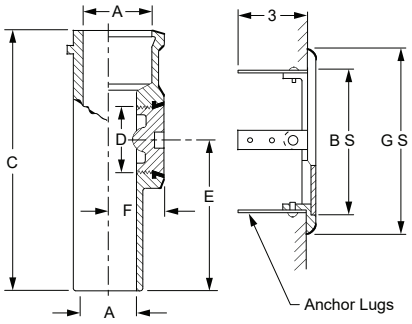


Fig. 550

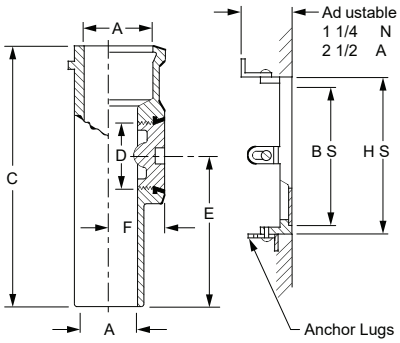


Fig. 555

OPTIONS: **ADD**

-U Vandal Proof Screw (1/4-20 X 2 1/2") **86.00**

Y No-Hub Tee (02, 03, 04" 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)		813.00	865.00	1,014.00	2,120.00
		NB Frame & Cover (-NB)		764.00	815.00	964.00	2,026.00
		PB Frame & Cover (-PB)		688.00	739.00	888.00	1,921.00
With Bronze Plug							
4551	Gasket Seal Plug	†CP Frame & Cover (-CP)		998.00	1,043.00	1,116.00	2,686.00
		NB Frame & Cover (-NB)		949.00	993.00	1,066.00	2,592.00
		PB Frame & Cover (-PB)		872.00	917.00	990.00	2,486.00
With Bronze Plug							
4553	Taper Thread Plug	†CP Frame & Cover (-CP)		998.00	1,043.00	1,191.00	2,686.00
		NB Frame & Cover (-NB)		949.00	993.00	1,141.00	2,592.00
		PB Frame & Cover (-PB)		872.00	917.00	1,065.00	2,486.00
FLUSH WITH WALL COVER							
With Cast Iron Plug							
4555	Gasket Seal Plug	†CP Frame & Cover (-CP)		820.00	865.00	1,014.00	2,120.00
		NB Frame & Cover (-NB)		771.00	811.00	964.00	2,026.00
		PB Frame & Cover (-PB)		688.00	736.00	884.00	1,921.00
With Bronze Plug							
4556	Gasket Seal Plug	†CP Frame & Cover (-CP)		998.00	1,043.00	1,191.00	2,686.00
		NB Frame & Cover (-NB)		944.00	989.00	1,137.00	2,592.00
		PB Frame & Cover (-PB)		868.00	913.00	1,061.00	2,486.00
With Bronze Plug							
4558	Taper Thread Plug	†CP Frame & Cover (-CP)		998.00	1,043.00	1,191.00	2,686.00
		NB Frame & Cover (-NB)		944.00	989.00	1,037.00	2,592.00
		PB Frame & Cover (-PB)		868.00	913.00	1,061.00	2,486.00
			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"

*This Dimension becomes 15" for the 4553 and 4558.

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.

FIG. 4710, 4715 ROUND FACE-OF-WALL ACCESS COVER AND SCREW

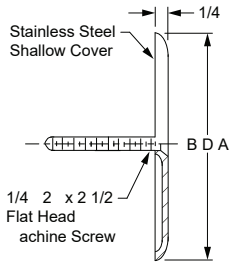


Fig. 0

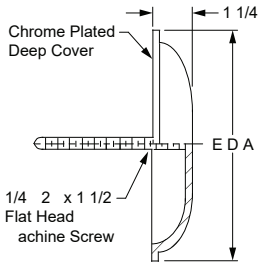


Fig. 5

OPTIONS:

		ADD
-LS	6" Long Center Screw	40.00
-LSU	6" Long Vandal Proof Center Screw	128.00
-U	Vandal Proof Screw (1/4-20 X 2 1/2")	86.00

			PLUG SIZE	1 1/2", 2", 2 1/2"	3" 3 1/2", 4"	5"	6"	8", 10"
		COVER MATERIAL	B - COVER SIZE DIA:	4 1/4"	5 1/2"	7"	9 1/4"	11 1/4"
4710	Shallow Cover	†Stainless Steel (-SS)		110.00	10.00	152.00	310.00	458.00
		Prime Coated Steel (-PC)		86.00	86.00	118.00	243.00	402.00
		Polished Bronze (-PB)		103.00	103.00	147.00	296.00	438.00
			PLUG SIZE	1 1/2", 2", 2 1/2"	3" 3 1/2", 4"	5"	6"	8", 10"
		COVER MATERIAL	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)		-	-	383.00	-	-
		Chrome Plated (-CP) or Nickel Bronze (-477		-	-	-	656.00	749.00
		Polished Bronze (-PB)		-	-	-	493.00	704.00

*Die formed SS cover only.

REGULARLY FURNISHED: Stainless Steel Shallow Cover or Chrome Plated Bronze Deep Cover with Center Screw as Indicated by Figure Number Selected.

FIG. 4720, 4725 WALL ACCESS SECURED COVER WITH ROUND FRAME

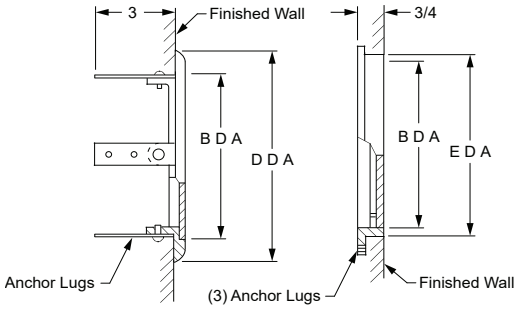


Fig. 0

Fig. 5

OPTIONS:

		ADD
-U	Vandal Proof Screws	86.00

			PLUG SIZE	2"	3"	4"	5"	6"	8"
			B - OPENING SIZE DIA:	4"	5 1/2"	6"	8"	8"	-
		COVER MATERIAL	D - COVER SIZE DIA:	6"	7"	7 1/2"	10"	10"	-
4720	Face of Wall	†Chrome Plated (-CP)		366.00	366.00	383.00	383.00	615.00	-
		Nickel Bronze (-NB)		324.00	324.00	324.00	324.00	561.00	-
		Polished Bronze (-PB)		293.00	293.00	293.00	293.00	520.00	-
			PLUG SIZE	2"	3"	4"	5"	6"	8"
			C - OPENING SIZE DIA:	4"	5 1/2"	6"	6"	8"	10"
		COVER MATERIAL	E - COVER SIZE 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)		366.00	366.00	366.00	813.00	615.00	1,001.00
		Nickel Bronze (-NB)		324.00	324.00	324.00	344.00	924.00	924.00
		Polished Bronze (-PB)		328.00	328.00	328.00	328.00	874.00	874.00
			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, 4735 WALL ACCESS SECURED COVER WITH SQUARE FRAME

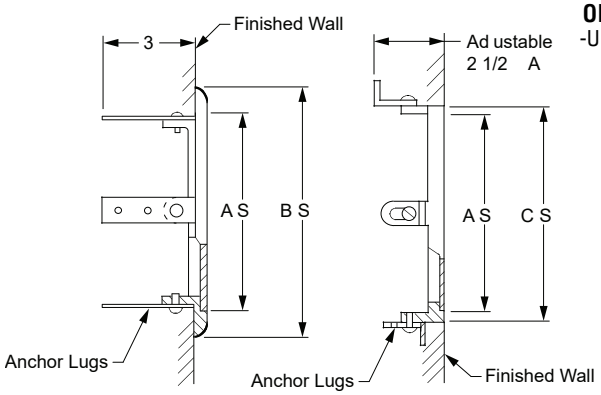


Fig. 0 Fig. 5

OPTIONS: **ADD**
-U Vandal Proof Screws **86.00**

			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"
		COVER MATERIAL						
4730	Face of Wall	†CP Frame & Cover (-CP)		612.00	890.00	969.00	1,046.00	1,613.00
		NB Frame & SS Cover (-NB)		1,039.00	1,104.00	1,389.00	1,499.00	1,467.00
		PB Frame & Cover (-PB)		986.00	1,048.00	1,318.00	1,426.00	1,347.00
4735	Flush With Wall	†CP Frame & Cover (-CP)		612.00	854.00	969.00	1,046.00	1,613.00
		NB Frame & SS Cover (-NB)		1,039.00	1,104.00	1,392.00	1,499.00	1,499.00
		PB Frame & Cover (-PB)		986.00	1,048.00	1,318.00	1,426.00	1,347.00
			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 **86.00**
Flush Valve Handle Hole* **136.00**

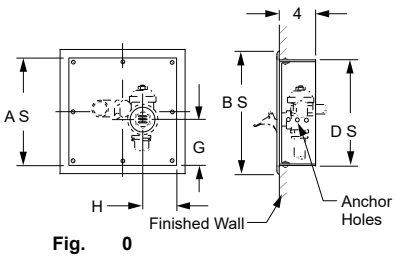


Fig. 0

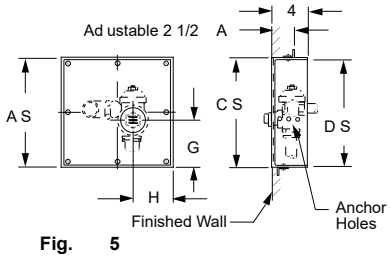


Fig. 5

			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)		1,851.00	2,071.00	2,261.00
		NB Frame & SS Cover (-NB)		1,803.00	1,884.00	2,053.00
		PB Frame & Cover (-PB)		1,346.00	1,659.00	1,819.00
4745	Flush With Wall	†CP Frame & Cover (-CP)		1,851.00	2,071.00	2,261.00
		NB Frame & SS Cover (-NB)		1,803.00	1,884.00	2,053.00
		PB Frame & Cover (-PB)		1,346.00	1,659.00	1,819.00
			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. 4810 FLOOR ACCESS COVER W/ROUND FRAME AND SCORIATED COVER

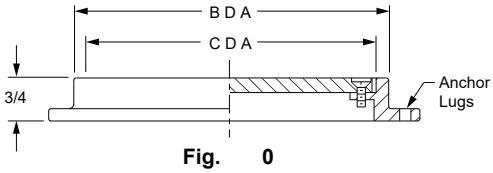


Fig. 0

OPTIONS: **ADD**

-U Vandal Proof Screws **86.00**
Cover Drilled in Center and furnished with 1/4"-20 x 2 1/2" Long Screw **136.00**
Smooth Top for Flush-Type Cover ..... **See Fig. 4725**

	COVER MATERIAL	C - COVER DIA:	4 "	5 1/2"	6"	6"	8"	10"
		PLUG SIZE	02"	03"	04"	05"	06"	08"
4810		B - DIA:	4 1/2"	5 3/4"	6 1/2"	6 1/2"	8 1/2"	10 1/2"
	†Nickel Bronze (-NB)		344.00	344.00	344.00	924.00	924.00	924.00
	Polished Bronze (-PB)		328.00	328.00	328.00	874.00	874.00	874.00
		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

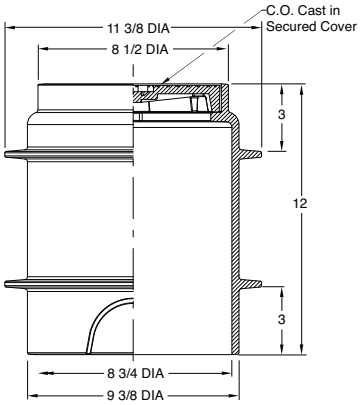


Fig. 4880

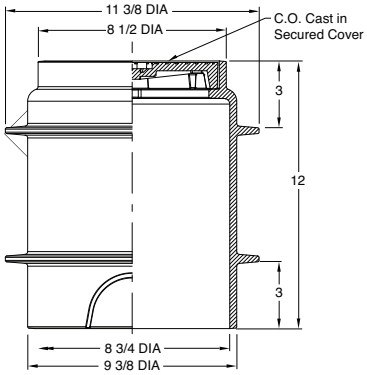


Fig. 4881

OPTIONS: **ADD**

-U Vandal Proof Screw **136.00**

For 2"-5"	
4880	1,278.00
4880DI	1,845.00
4880NB	2,219.00
4880PB	2,160.00
For 6"-8"	
4881	1,503.00
4881DI	2,065.00
4881NB	2,379.00
4881PB	2,321.00

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

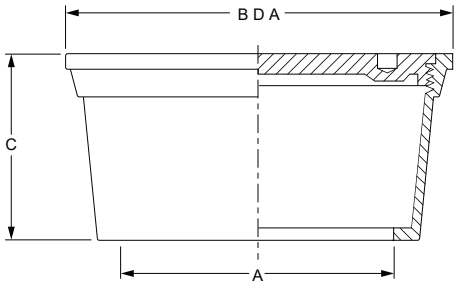


Fig. 90

OPTIONS: **ADD**

-SH Securing Holes (Fig. DX4890) **111.00**
-SW Spanner Wrench **147.00**

		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"
4890	COVER MATERIAL							
	†Nickel Bronze (-NB)		573.00	799.00	886.00	1,096.00	1,465.00	2,981.00
	Polished Bronze (-PB)		531.00	709.00	837.00	1,008.00	1,419.00	2,391.00
		APPROX WT. LBS.	3	7	9	10	12	18
DX4890	†Nickel Bronze (-NB)		1,736.00	1,961.00	2,050.00	2,629.00	2,629.00	4,143.00
	Polished Bronze (-PB)		1,692.00	1,872.00	1,961.00	2,584.00	2,584.00	3,555.00
		APPROX WT. LBS.	8	13	17	-	-	-

REGULARLY FURNISHED: All Nickel Bronze with Polished Scoriated Cover.

†REGULARLY FURNISHED

FIG. 4910, 4915 SQUARE OR RECTANGULAR FRAMES W/SECURED COVER

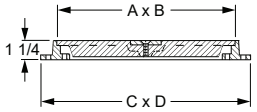


Fig. 9 0

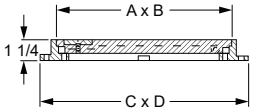


Fig. 9 5

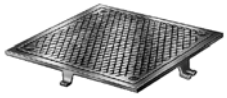
OPTIONS: **ADD**

-U Vandal Proof Screws **86.00**
Cover Cast with words "Cleanout" (-CO), "Gas Shut Off" (-GSO) or "Water Shutoff" (WSO) **176.00**

	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"	**321.00**	**438.00**	**655.00**	3
	06 x 12"	08 x 14"	**413.00**	**528.00**	**809.00**	5
	09 x 09"	11 x 11"	**569.00**	**704.00**	**927.00**	6
	12 x 12"	14 x 14"	**736.00**	**801.00**	**1,468.00**	8
	15 x 15"	17 x 17"	**1,242.00**	**1,437.00**	**2,435.00**	11
	24 x 24"	26 x 26"	**2,845.00**	**3,195.00**	**5,028.00**	24
4915 HINGED SECURED COVER	06 x 06"	08 x 08"	**492.00**	**600.00**	**824.00**	3
	09 x 09"	11 x 11"	**759.00**	**872.00**	**1,821.00**	6
	12 x 12"	14 x 14"	**878.00**	**998.00**	**2,060.00**	8
	15 x 15"	17 x 17"	**1,519.00**	**1,707.00**	**2,598.00**	-

REGULARLY FURNISHED: Plain Aluminum Frame and Secured Scoriated Cover with Lifting Device.

FIG. 4930, 4940 FLOOR ACCESS COVER W/SQUARE FRAME AND SECURED SCORIATED COVER



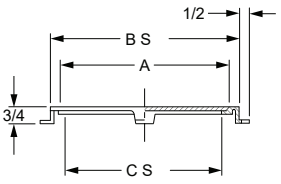


Fig. 9 0

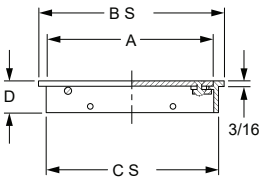


Fig. 9 0

OPTIONS: **ADD**

-ST Smooth Top ..... **N/C**
-U Vandal Proof Screws (Fig. 4930 Only) **86.00**

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)	**435.00**	**625.00**	**759.00**
	Polished Bronze (-PB)	**431.00**	**561.00**	**655.00**
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)	-	**762.00**	**1,075.00**
	Polished Bronze (-PB)	**-**	**656.00**	**958.00**
	APPROX WT. LBS.	14	18	26

REGULARLY FURNISHED: Square Nickel Bronze Frame and Secured Scoriated Cover or Hinged Scoriated Cover with Locking Device.

WATER HAMMER ARRESTERS

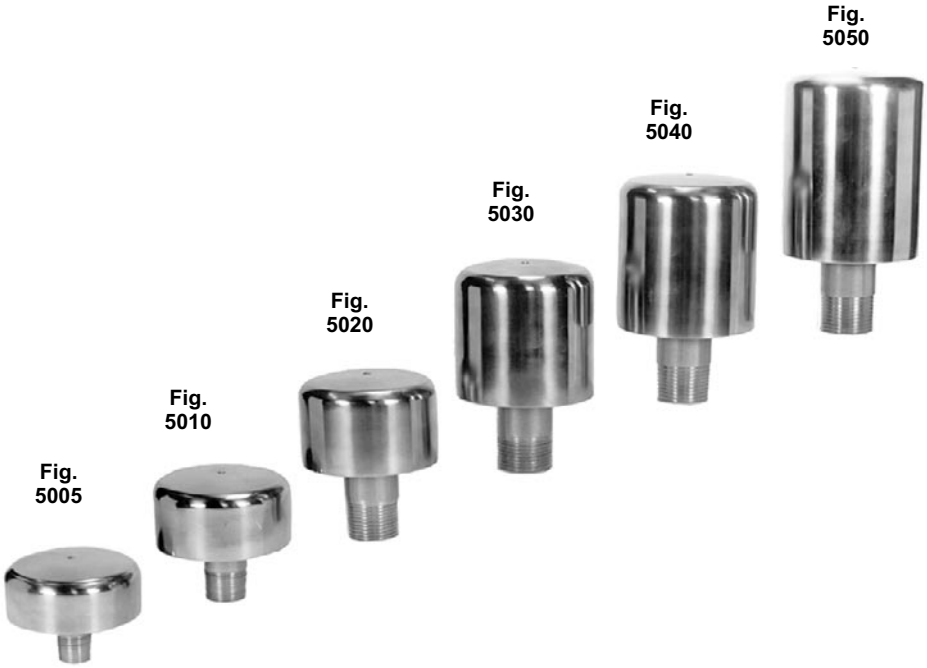
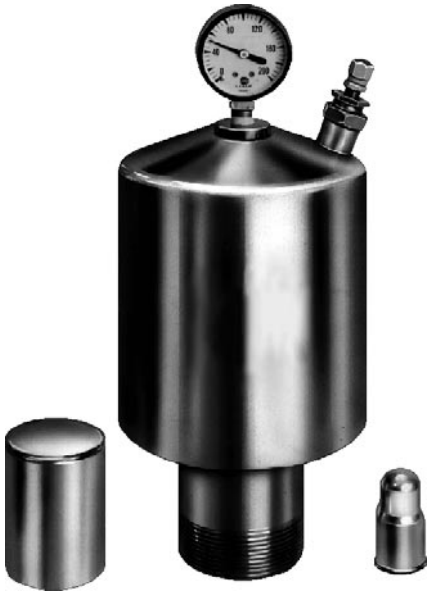


Fig. 5060



5000 SERIES

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

Example:

5005

Figure No. ——————————

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.

PLACEMENT OF HYDROTROLS

EXAMPLE:

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.

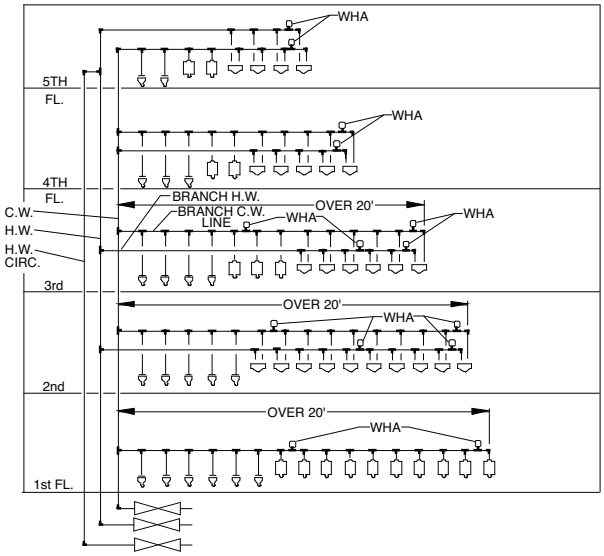
The additional Hydrotrols shown on batteries of over 20'(6.096M) in length are the same size as those specified in the chart ... shown for each floor.

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:

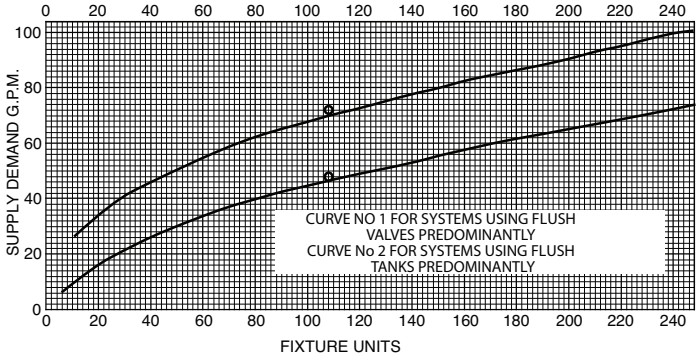
1. Single fixtures or appliances --Locate Hydrotrol just before fixture of valve.
2. Battery of fixtures -- Length of battery 20'(6.096M) or less. Locate Hydrotrol between the last and next to last fixtures. (See 5th Floor Examples.)
3. For a battery of fixtures having a branch line over 20 (6.096M) 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 betweeen 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.

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



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.

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.
2. PIPE SIZE.
3. WATER PRESSURE.

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.

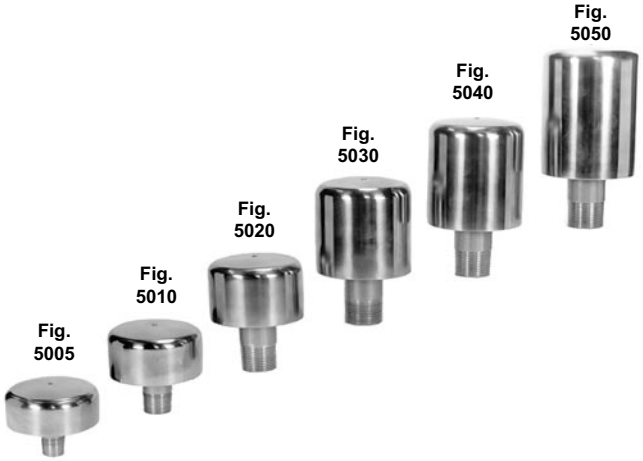
HYDROTROL SELECTION CHART

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 1-5040	5050	1-5040 1-5050
100	5020	5030	5040	5050	1-5020 1-5050	2-5050
125	5020	5030	5050	1-5005 1-5050	1-5040 1-5050	1-5040 2-5050
150	5030	5040	5050	1-5030 1-5050	2-5050	3-5050

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.

FIG. 5005 TO 5060 HYDROTROL ENGINEERED WATER HAMMER ARRESTERS



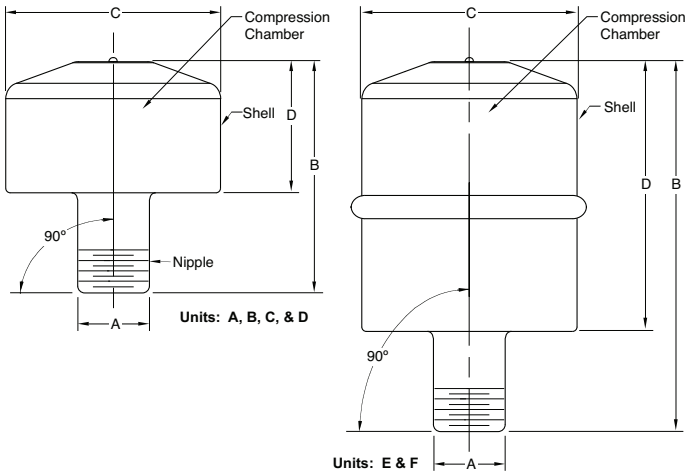


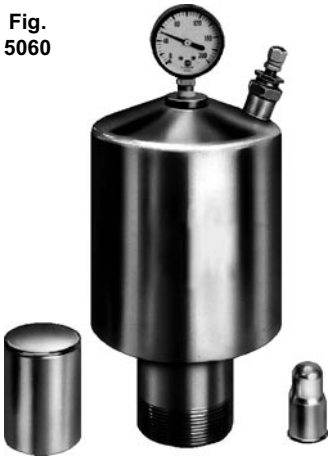
Fig. 5060 - "HY-DUTY" HYDROTROL

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"

Certificate of compliance available upon request.

Hydrotrols are pre-charged and permanently sealed at the factory. All hydrotrols are constructed entirely of stainless steel.

Fig. 5060



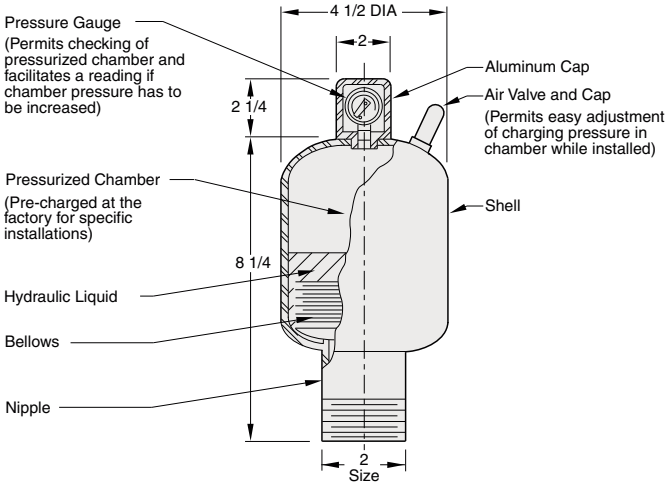


FIG. NO.	PDI SIZE	FIXTURE UNIT CAPACITY	A PIPE SIZE	B HEIGHT	C DIA.	D	STAINLESS STEEL	APPROX WEIGHT LBS
5005	A	1-11	3/4" NPT	2 5/8"	3 1/4"	1 7/16"	**439.00**	1
5010	B	12-32	1" NPT	2 7/8"	3 1/4"	1 3/4"	**625.00**	2
5020	C	33-60	1" NPT	3 1/2"	3 1/4"	2 1/4"	**1,071.00**	3
5030	D	61-133	1" NPT	4 1/2"	3 1/4"	3 1/4"	**1,988.00**	3
5040	E	115-154	1" NPT	5 1/2"	3 1/4"	4 1/8"	**2,550.00**	4
5050	F	155-330	1" NPT	6 5/8"	3 1/4"	5 1/4"	**3,250.00**	4
5060	—	—	2" NPT	10 1/2"	4 1/2"	—	**POA**	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.

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.

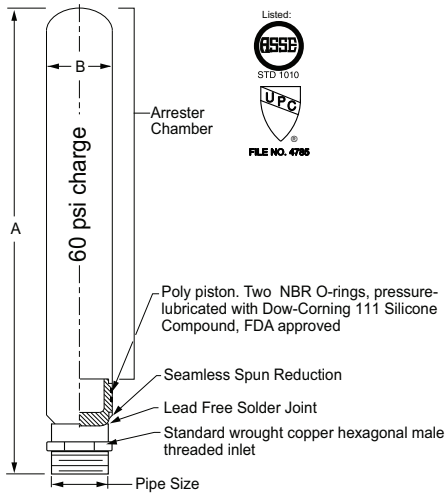
Stainless Steel Units are Lead Free

†REGULARLY FURNISHED

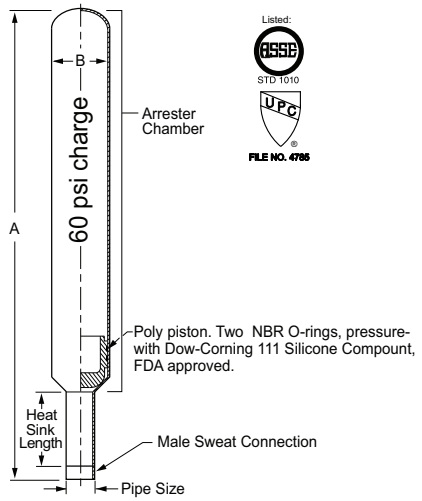
HYDROTROL JR.

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.



THREADED CONNECTION



MALE SWEAT CONNECTION (-SC)

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 theses 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.

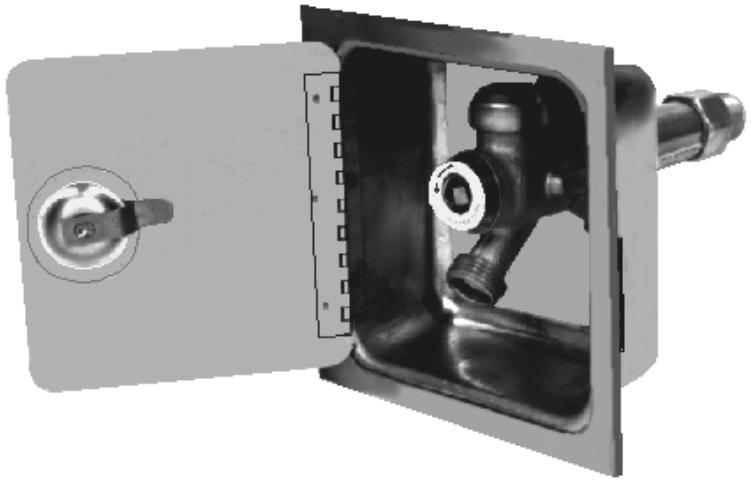
FIG. NO.	SIZING SYMBOL	FIXTURE UNIT CAPACITY	A PIPE SIZE	AIR CHARGE	THREADED CONN.	DIMENSIONS A	DIMENSIONS B DIA	SWEAT CONN. (-SC)	SIZE		DIMENSIONS A	DIMENSIONS B DIA	APPROX WEIGHT LBS
*5201	AA	1 to 3	1/2 NPT	60 psig	136.00	5 1/8"	7/8"	136.00	1/2" CTS	5/8" OD	5 5/8"	7/8"	.5
5205	A	1 to 11	1/2 NPT	60 psig	172.00	6"	1 1/8"	172.00	1/2" CTS	5/8" OD	6 9/16"	1 1/8"	.5
5210	B	12 to 32	3/4 NPT	60 psig	473.00	7 1/4	1 1/8"	473.00	3/4" CTS	7/8" OD	10 13/16"	1 3/8"	.5
5220	C	33 to 60	1 NPT	60 psig	525.00	8 3/4"	1 3/8"	525.00	1" CTS	1 1/8" OD	14"	1 3/8"	1
5230	D	61 to 113	1 1/4 NPT	60 psig	1,110.00	10 3/16"	1 5/8"	1,110.00	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	1,380.00	11 1/8"	2 1/8"	1,380.00	1 1/2" CTS	1 5/8" OD	13 1/4"	2 5/8"	1
5250	F	155 to 330	2 NPT	60 psig	1,640.00	13"	2 5/8"	1,640.00	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 TOTAL	PUBLIC C.W.	PUBLIC H.W.	PRIVATE TOTAL	PRIVATE C.W.	PRIVATE 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	D	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF



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

*All variation suffixes are to be shown in parenthesis.

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.

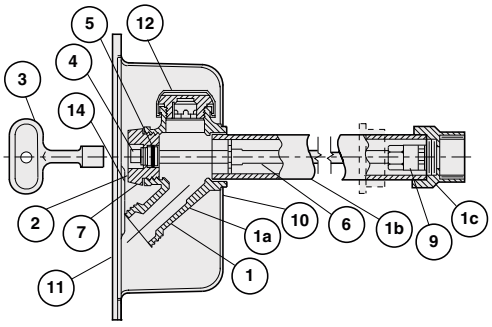


Fig. 5509QT
Fig. 5609QT

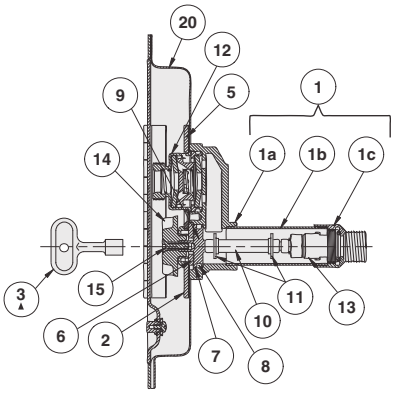


Fig. 5519
Fig. 5619

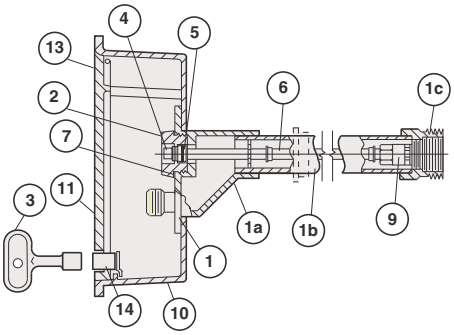


Fig. 5560QT
Fig. 5561QT

REPLACEMENT PARTS LIST WITH USE BY FIGURE NUMBER
SPECIFY FIGURE NUMBER WHEN ORDERING

PART NO.	DESCRIPTION	FIGURE NUMBER 5509QT	5560QT	5561QT	5609QT	PART NO.	DESCRIPTION	FIGURE NUMBER 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.

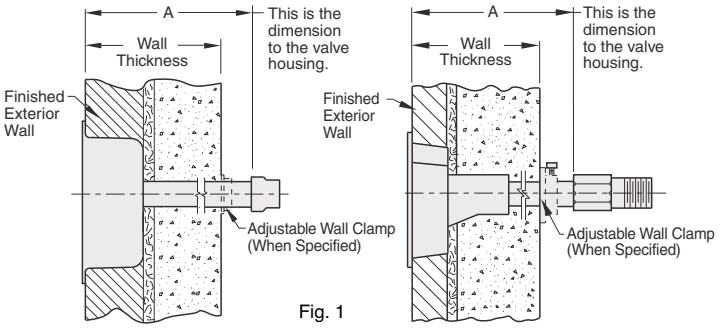
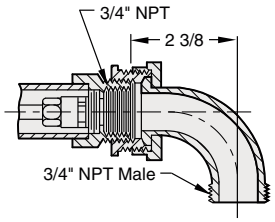


Fig. 1

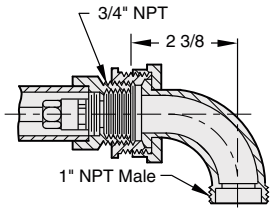
NOTE: When ordering, specify Figure Number and "A" dimension. "A" should always be greater than wall thickness for non-freeze installations. When a wall clamp is specified, add 1 1/4" to the wall thickness to arrive at a minimum required "A." The "A" specified should be the next larger, even number; 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.

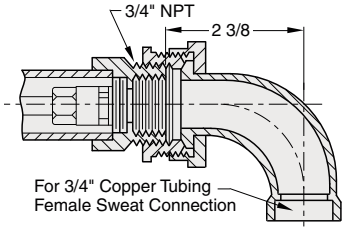
OPTIONAL INLET CONNECTIONS



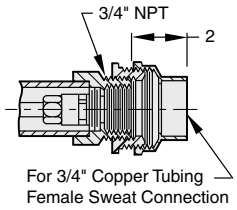
SUFFIX -E
UNION ELBOW - 3/4" NPT



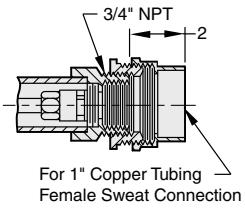
SUFFIX -E1
UNION ELBOW - 1" NPT



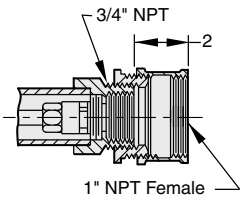
SUFFIX -SE
UNION ELBOW -SWEAT -3/4"



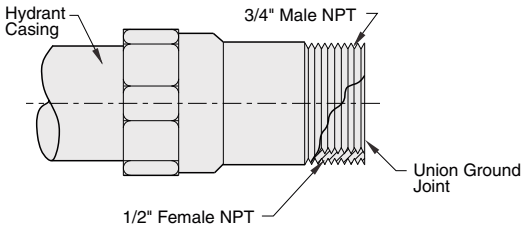
SUFFIX -SS
STRAIGHT SWEAT - 3/4"



SUFFIX -SS-1
STRAIGHT SWEAT - 1"



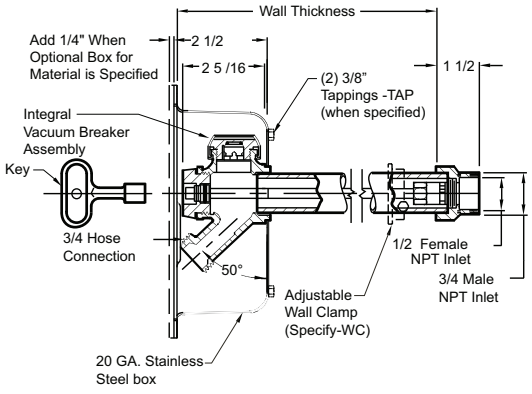
SUFFIX -MF1
STRAIGHT FEMALE - 1"

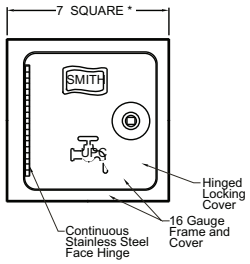


UNIVERSAL INLET CONNECTION

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.

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	**1,258.00**	8
06, 08"	**2,225.00**	9
10, 12, 14, 16"	**2,284.00**	10
18, 20, 22, 24"	**2,349.00**	11

** Add 3/4" to overall length when specified.

REGULARLY FURNISHED: Bronze Nickel Plated Quarter Turn 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	**165.00**
-CP	Chrome Plated Face	**286.00**
-E	Elbow Inlet	**52.00**
-E1	1" NPT Elbow Inlet	**244.00**
-HC1	1" Hose Conn Adaptor	**200.00**
-IC1**	1" Male NPT Inlet Connection	**200.00**
-MF1	1" Straight Female Inlet	**200.00**
-NB	Nickel Bronze Face	**260.00**
-PB	Polished Bronze Face	**N/C**
-RB	Rough Bronze Face	**57.00**
-SE	Sweat Elbow Inlet	**45.00**
-SE1	1" NPT Sweat Elbow Inlet	**244.00**
-SS	Straight Sweat Inlet	**N/C**
-SS1	1" Straight Sweat Inlet	**200.00**
-SSR	6" Cored Hole Stainless Steel Box (Round)	**259.00**
-W	"Water" on Cover	**N/C**
-WC	Adjustable Wall Clamp	**N/C**

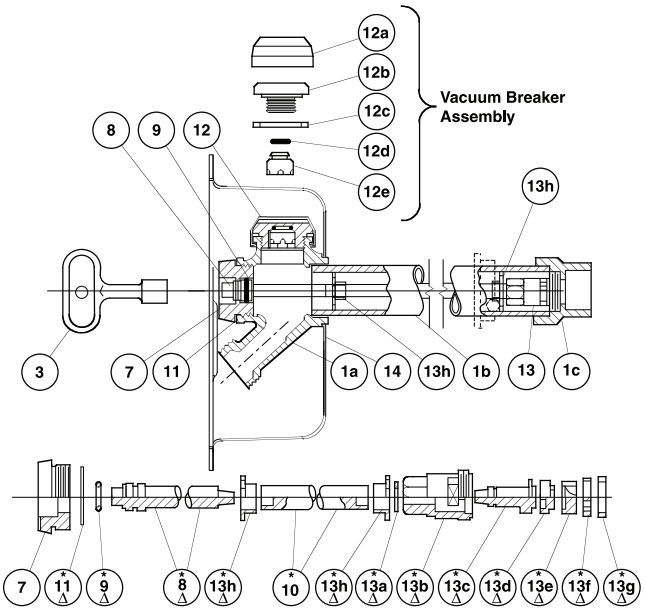
		LIST
5509QTBASS	SS Box w/Hinged Locking Cover	**612.00**
5509QTBANB	SS Box w/Hinged Locking Cover w/NB Face	**861.00**
5509QTBAPB	SS Box w/Hinged Locking Cover w/PB Face	**670.00**
5509QTBARB	SS Box w/Hinged Locking Cover w/RB Face	**670.00**
5509QTBACP	SS Box w/Hinged Locking Cover w/CP Face	**886.00**

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

1. *Recommended wall opening 6" x 6". Hydrant shall be in the vertical position only, the connection must be on the bottom.
2. When ordering, specify wall thickness 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".
3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
4. When an Optional Box Face Material is Specified a Concealed Hinge will be Provided, also add 1/4" to Flange Thickness.
5. 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.
6. 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.
7. **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	Box Assembly S.S.

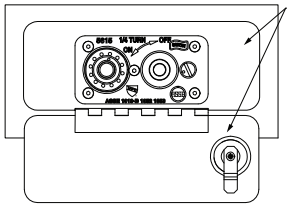
Δ These Replacement Parts Available in HPRK-7

* All Parts Accessible from Face of Hydrant by Removing Face Nut.

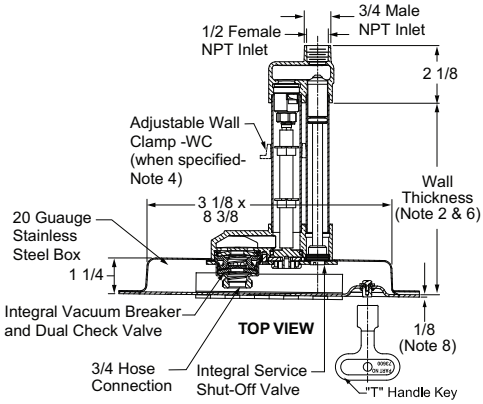
†REGULARLY FURNISHED

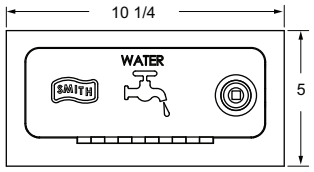
FIG. 5515 LEAD FREE - GUARDIAN PLUS DUAL CHECK, 1/4 TURN NON-FREEZE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT-OFF VALVE, DUAL CHECK VALVE W/SS BOX

1/4 Turn of the Key or Wheel Handle Allows Full Flow to be Obtained



FRONT VIEW with COVER OPEN





FRONT VIEW

OPTIONS:

		NET 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. When ordering, specify wall thickness in 1" increments as follows 4,5,6,7,8,9.....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 (-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 (.06° 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.**

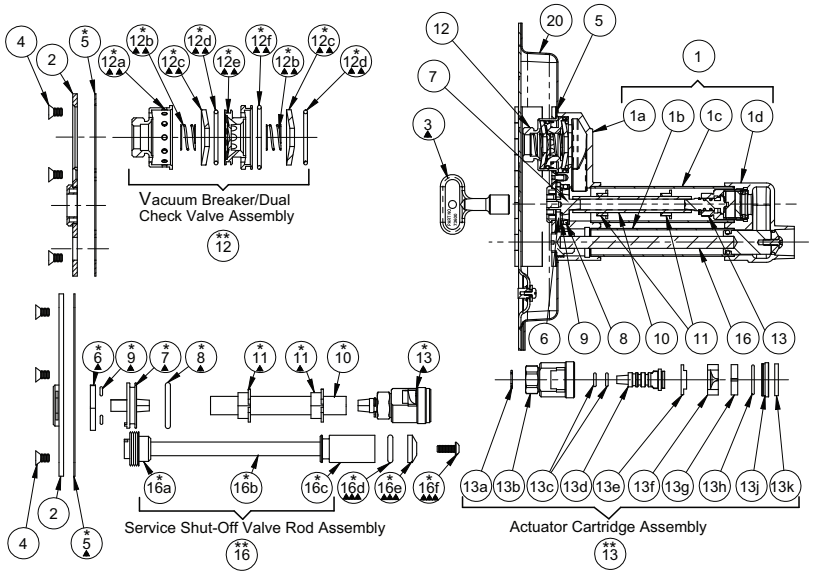
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

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, Lead Free 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.

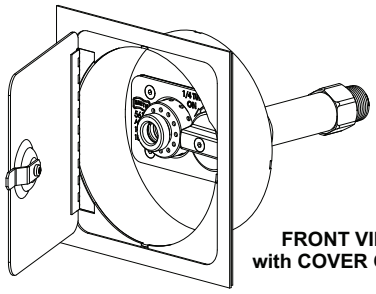


HYDRANT PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	12e	**Flow Diverter
1a	Head	12f	**Large O-Ring
1b	Casing	13	Actuator Cartridge Assembly
1c	Casing	13a	**Retaining Ring
1d	Valve Housing	13b	**Valve Body
2	Wall Plate Assembly	13c	**Actuator O-Ring (2)
3	Key	13d	**Valve Actuator
4	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	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
		16c	**Service Valve Plunger
12a	**Vacuum Breaker Housing	16d	Service Valve O-Ring
12b	**Spring (2)	16e	Service Valve Conical Washer
12c	**Cone Washer (2)	16f	Service Valve Washer Screw
12d	**Small O-Ring	20	Box Assembly

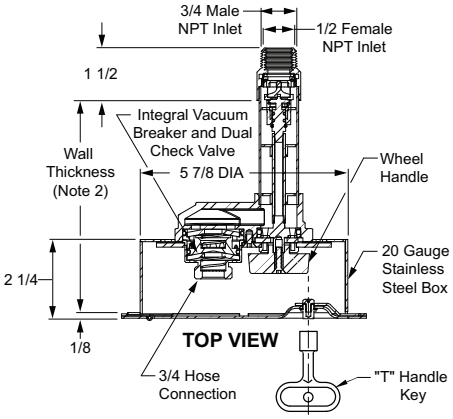
▲ These Replacement Parts Available in HPRK-19
▲▲ These Replacement Parts Available in HPRK-19VB
▲▲▲ These Replacement Parts Available in HPRK-15SV
*These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
**Parts supplied as an assembly only, see part 12,13 or 16.

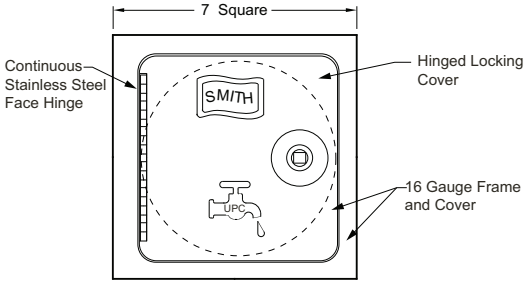
†REGULARLY FURNISHED

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

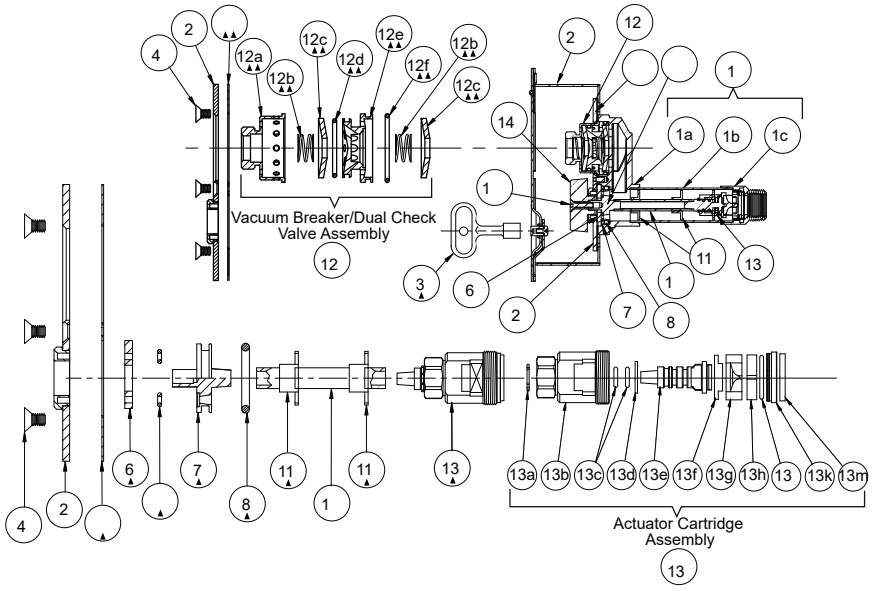


FRONT VIEW with COVER OPEN





FRONT VIEW



OPTIONS:

		ADD
-CL	Cylinder Lock	**176.00**
-HC1	1" Hose Conn Adaptor	**200.00**
-IC1	1" Male Inlet Connection (Note 5)	**200.00**
-W	"Water" on Cover	**N/C**
-WC	Adjustable Wall Clamp	**N/C**

NOTES:

1. Recommended wall opening 6" DIA.
2. When ordering, specify wall thickness in 1" increments as follows 5,6,7,8,9.....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*	**1,707.00**
05 - 08"	**1,934.00**
09 - 16"	**2,069.00**
17 - 24"	**2,204.00**
25 - 31"	**2,339.00**

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.

H DRANT PARTS L ST

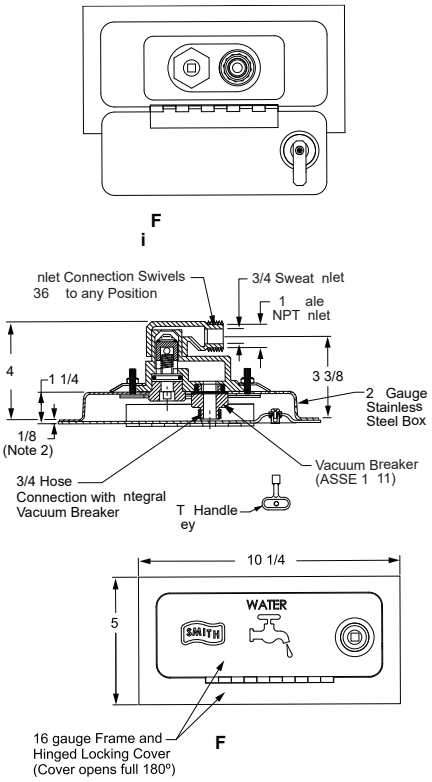
N	DESCR PT N	N	DESCR PT N
1	Casing Assembly	12e	Flow Diverter
1a	Head	12f	Large Ring
1b	Casing	13	Actuator Cartridge Assembly
1c	Valve Housing		
2	Wall Plate Assembly	13a	Retaining Ring
3	ey	13b	Valve Body
4	Wall Plate Securing Screw	13c	Actuator Ring (2)
	Wall Plate Gasket ( )	13d	Nylon Thrust Spacer
6	Stationary perator Piece	13e	Valve Actuator
7	oveable perator Piece	13f	Nylon Thrust Washer
8	oveable perator Ring	13g	Rotating Ceramic Disc
	Drain Hole Seal (2)	13h	Fixed Ceramic Disc
1	perator Rod	13	Ring
11	perator Rod Guides (2)	13k	Ring Gasket Retainer
12	Vacuum Breaker/Dual Check Valve Assembly	13m	Rubber Seal
		14	Wheel Handle
12a	Vacuum Breaker Housing	1	Wheel Handle Screw
12b	Spring (2)	2	Box Assembly
12c	Cone Washer (2)		
12d	Small Ring		

▲ These Replacement Parts Available in HPR 1
▲▲ These Replacement Parts Available in HPR 1 VB
These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly
Parts supplied as an assembly only see part 12 or 13

HYDRANTS

†REGULARLY FURNISHED

FIG. 5518 NARROW WALL WARM CLIMATE BOX TYPE HYDRANT WITH CONCEALED HOSE CONNECTION



OPTIONS: **ADD**

-CL	Cylinder Lock	**165.00**
-CP	Chrome Plated Box Face	**286.00**
-NB	Nickel Bronze Box Face	**260.00**
-PB	Polished Bronze Box Face	**57.00**
-RB	Rough Bronze Box Face	**57.00**

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.**

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	**1,322.00**

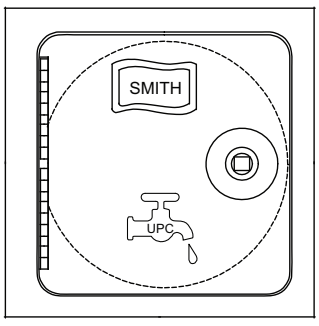
REGULARLY FURNISHED: All Bronze Warm Climate Hydrant with Hose Connection having Integral ASSE 1011 Vacuum Breaker, 360° Swivel Inlet Connection, "T" Handle Key and Stainless Steel Box.

FIG. 5518-R NARROW WALL WARM CLIMATE BOX TYPE HYDRANT WITH 6" CORED HOLE STAINLESS STEEL BOX

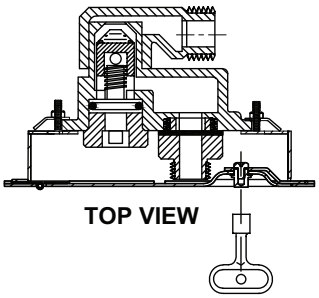
NPT INLET	†Stainless Steel Box
1" Male	**POA**

ADD FOR:

-CL Cylinder Lock.....**POA**
-W "Water" on Cover .....**POA**

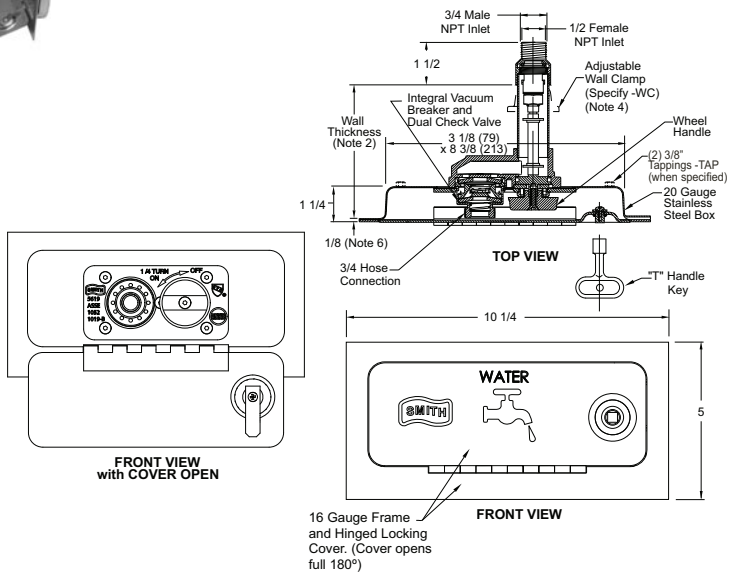


FRONT VIEW



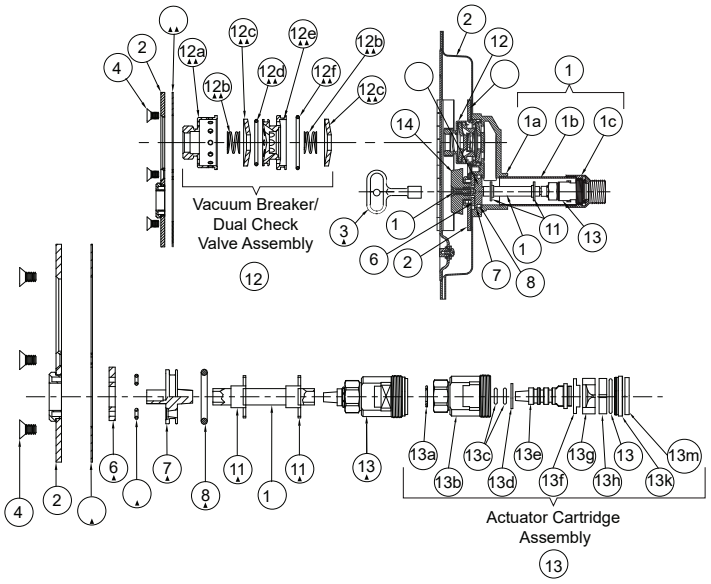
TOP VIEW

FIG. 5519 GUARDIAN DUAL CHECK-1/4 TURN NON-FREEZE WALL SS BOX-TYPE HYDRANT W/AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE AND CONCEALED HOSE CONNECTION



WALL THICKNESS	3/4" INLET	APPROX WEIGHT LBS
-SAP*	**1,448.00**	8
05 - 08"	**1,803.00**	9
09 - 16"	**1,876.00**	10
17 - 24"	**1,988.00**	11
25 - 31"	**2,598.00**	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	**165.00**
-CP	Chrome Plated Face	**286.00**
-E	Elbow Inlet	**45.00**
-E1	1" NPT Elbow Inlet	**244.00**
-HC1	1" Hose Conn Adaptor	**200.00**
-IC1	1" Male NPT Inlet Connection (Note 5)	**200.00**
-MF1	1" Straight Female Inlet	**200.00**
-NB	Nickel Bronze Face	**260.00**
-PB	Polished Bronze Face	**59.00**
-RB	Rough Bronze Face	**57.00**
-SE	Sweat Elbow Inlet	**45.00**
-SE1	1" NPT Sweat Elbow Inlet	**244.00**
-SS	Straight Sweat Inlet	**N/C**
-SS1	1" Straight Sweat Inlet	**200.00**
-WC	Adjustable Wall Clamp	**N/C**

		LIST
REPLACEMENT BOX		
5519BASS	SS Box Assembly	**N/C**
5519BANB	Nickel Bronze Box Assembly	**999.00**
5519BAPB	Polished Bronze Box Assembly	**799.00**
5519BACP	Chrome Plated Box Assembly	**1,025.00**

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

1. Recommended wall opening 3 3/16 x 8 1/2".
2. When ordering, specify wall thickness in 1" increments as follows 5,6,7,8,9.....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 1" NPT Male Inlet Connection is specified.
6. Add 3/8" When Optional Box Face Material is specified.
7. *When specifying Fig. 5519 (-SAP) the wall thickness shall be 3".
8. 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.
9. **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

H DRANT PARTS L ST

N	DESCR PT N	N	DESCR PT N	N	DESCR PT N
1	Casing Assembly	12	Vacuum Breaker/Dual Check Valve Assembly	13e	Valve Actuator
1a	Head			13f	Nylon Thrust Washer
1b	Casing	12a	Vacuum Breaker Housing	13g	Rotating Ceramic Disc
1c	Valve Housing	12b	Spring (2)	13h	Fixed Ceramic Disc
2	Wall Plate Assembly	12c	Cone Washer (2)	13	Ring
3	ey	12d	Small Ring	13k	Ring Gasket Retainer
4	Wall Plate Securing Screw ( )	12e	Flow Diverter	13m	Rubber Seal
	Wall Plate Gasket	12f	Large Ring	14	Wheel Handle
6	Stationary perator Piece	13	Actuator Cartridge Assembly	1	Wheel Handle Screw
7	ovable perator Piece			2	Box Assembly
8	ovable perator Ring	13a	Retaining Ring		
	Drain Hole Seal (2)	13b	Valve Body		
1	perator Rod	13c	Actuator Ring (2)		
11	perator Rod Guides (2)	13d	Nylon Thrust Spacer		

▲ These Replacement Parts Available in HPR 1

▲▲ These Replacement Parts Available in HPR 1 VB

These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly

Parts supplied as an assembly only see part 12 or 13

†REGULARLY FURNISHED

FIG. 5560QT SER. QUARTERHORSE–1/4 TURN "TWIN TEMP" CHROME PLATED BRONZE BOX-TYPE HYDRANT W/CONCEALED HOSE CONNECTION FOR HOT & COLD WATER

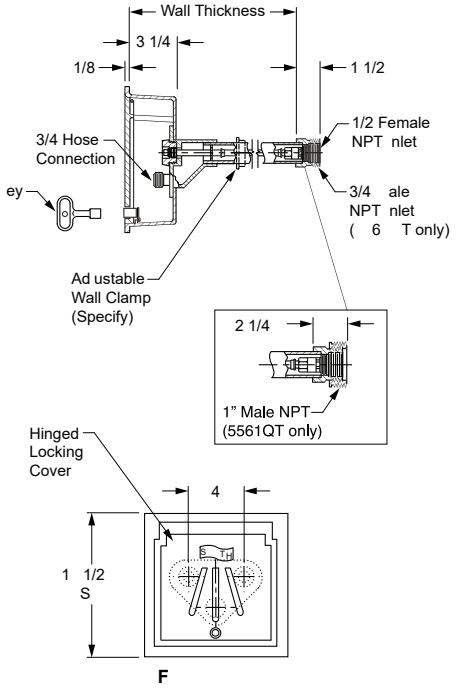


Fig. 55 0

OPTIONS:		ADD
-CL	Cylinder Lock	165.00
-E	Elbow Inlets	52.00
-E1	1" NPT Elbow Inlets	492.00
-H	3/4" Vacuum Breaker	130.00
-HC1	1" Hose Conn Adaptor	200.00
-MF1	1" Straight Female Inlets	402.00
-SE	Sweat Elbow Inlets	88.00
-SE1	1" NPT Sweat Elbow Inlets	492.00
-SS	Straight Sweat Inlets	N/C
-SS1	1" Straight Sweat Inlets	402.00
-W	"Water" on Cover	N/C
-WC	Adjustable Wall Clamps	N/C
-WH	Wheel Handle	274.00

		DEDUCT
-LB	Less Box	861.00
-NB	NB Face, Deduct	45.00
-PB	PB Face, Deduct	66.00
-RB	RB Face, Deduct	66.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

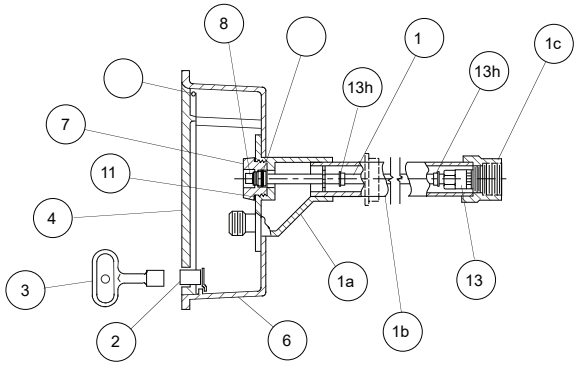
*When specifying a 5561QT, add 3/4" to length of inlet connection as shown.

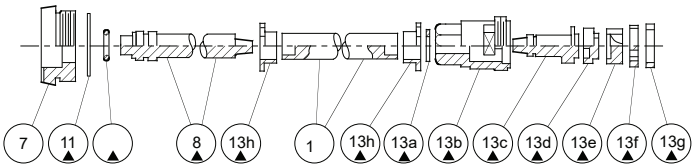
WALL THICKNESS	5560QT 3/4" INLET	5561QT 1" INLET	APPROX WEIGHT LBS
-SAP	3,328.00	3,720.00	12
08"	4,501.00	4,685.00	13
10, 12, 14"	4,590.00	4,771.00	14
16, 18"	4,647.00	4,832.00	15
20, 22, 24"	4,771.00	4,953.00	17

REGULARLY FURNISHED: Bronze Nickel Plated 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:

1. **Recommended Wall Opening 9 3/4" x 9 3/4".
2. 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".
3. For 6" wall use 5560QT-SAP or 5561QT-SAP.
4. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
5. When optional vacuum breaker is supplied, hose must be removed to allow draining to prevent freezing.
6. 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.
7. **FOR IRRIGATION PURPOSES ONLY.**





H DRANT PARTS L ST

N	DESCR PT N	N	DESCR PT N	N	DESCR PT N
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		Actuator Ring	13e	Rotating Ceramic Disc
2	Locking Device	1	perator Rod	13f	Fixed Ceramic Disc
3	ey	11	Face Nut Washer	13g	Silicon Rubber Seal
4	Cover	13	Valve Body Assembly	13h	Retainer Guide (2)
	Hinge Pins (2)	13a	Retaining Ring		

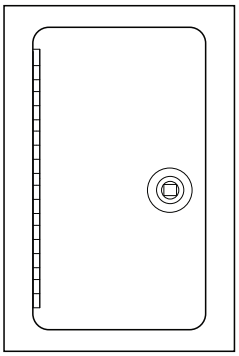
▲ These Replacement Parts Available in HPR 7 (2) Repair its

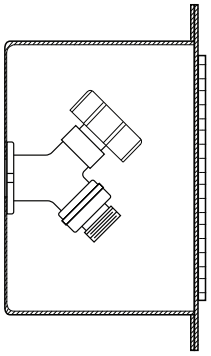
These Parts Accessible from Face of Hydrant by Removing Face Nut

†REGULARLY FURNISHED

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**

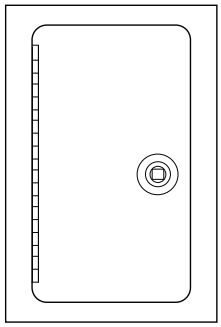


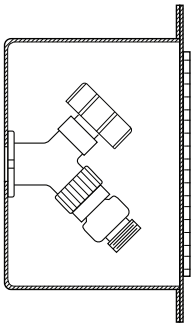


Female Threaded Inlet

FIG. 5572-BFP, 5573-BFP MILD CLIMATE ANTI-SIPHON SILLCOCK W/DUAL CHECK VALVE AND SS BOX

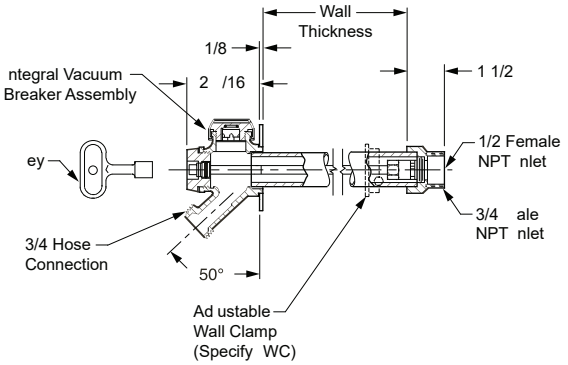
Inlet Connection	Series No.	†Rough Brass
1/2”	5572-BFP	**POA**
3/4”	5573-BFP	**POA**





Female Threaded Inlet

FIG. 5609QT QUARTERHORSE-1/4 TURN HYDRANT W/INTEGRAL VACUUM BREAKER AND EXPOSED HOSE CONNECTION



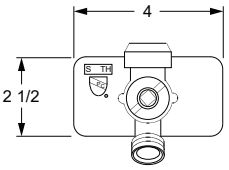


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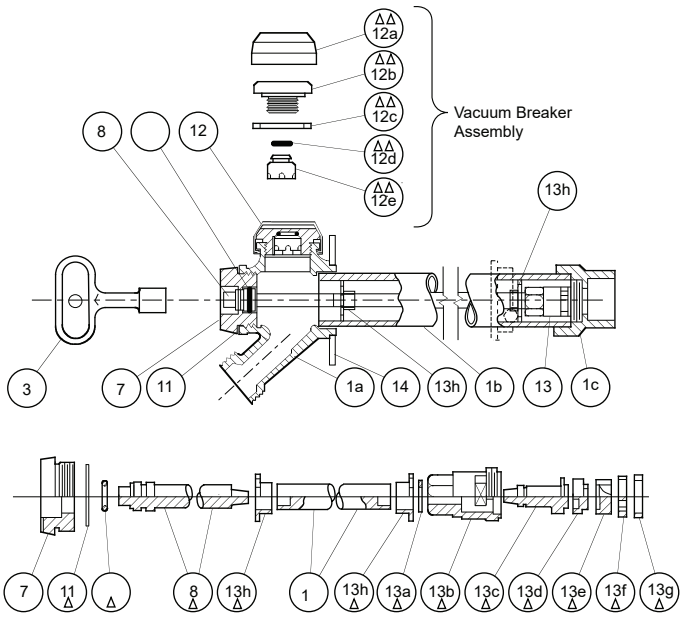
Fig. 5 09

WALL THICKNESS	3/4" INLET	APPROX WEIGHT LBS
-SAP	**1,602.00**	7
04, 06"	**1,602.00**	8
08, 10, 12, 14"	**1,661.00**	9
16, 18, 20, 22"	**1,729.00**	10
24, 26, 28, 30"	**1,888.00**	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.



H DRANT PARTS L ST					
N	DESCR PT N	N	DESCR PT N	N	DESCR PT N
1	Head/Casing Assembly	1	perator 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	ey	12b	VB Body	13e	Rotating Ceramic Disc
7	Face Nut	12c	VB Washer	13f	Fixed Ceramic Disc
8	Actuator Shaft	12d	VB Ring	13g	Silicon Rubber Seal
	Actuator Ring	12e	VB Piston	13h	Retainer Guide (2)
		13	Valve Body Assembly	14	Backer Plate w/Screws

Δ These Replacement Parts Available in HPR 7

ΔΔ These Replacement Parts Available in HPR 7VB

These Parts Accessible from Face of Hydrant by Removing Face Nut

OPTIONS:

		ADD
-CP	Chrome Plated Face	**86.00**
-E	Elbow Inlet	**52.00**
-E1	1" NPT Elbow Inlet	**244.00**
-HC1	1" Hose Conn Adaptor	**200.00**
-IC1	1" Male NPT Inlet Connection*	**200.00**
-MF1	1" Straight Female Inlet	**200.00**
-PB	Polished Bronze Face	**N/C**
-SS	Straight Sweat Inlet	**N/C**
-SS1	1" Straight Sweat Inlet	**200.00**
-SE	Sweat Elbow Inlet	**45.00**
-SE1	1" NPT Sweat Elbow Inlet	**244.00**
-WC	Adjustable Wall Clamp	**N/C**
-WH	Wheel Handle	**274.00**

*Add 3/4" to Overall Length When Specified

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

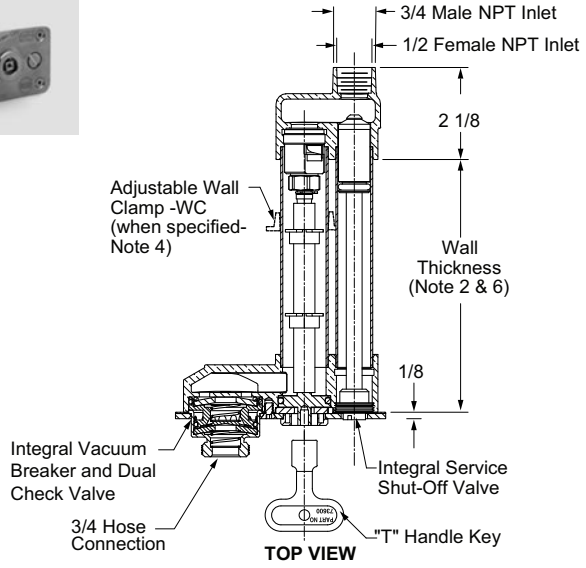
NOTES:

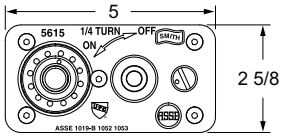
1. Recommended wall opening 2 x 2. Hydrant shall be in the vertical position only, the hose connection must be on the bottom.
2. When ordering, specify wall thickness in 02" increment as follows: 04, 06, 08, 10, 12, 14, 16, 18, 20, 22 or 24". When wall clamp -WC is desired, increase wall thickness dimension by 2".
3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
4. The 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 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.

†REGULARLY FURNISHED

FIG. 5615 LEAD FREE GUARDIAN PLUS DUAL CHECK, 1/4 TURN NON-FREEZE HYDRANT WITH AUTOMATIC DRAINING INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT-OFF VALVE, DUAL CHECK VALVE





OPTIONS:		NET 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:

1. Recommended wall opening 2 1/4 x 4 3/4.
2. When ordering, specify wall thickness in 1" increments as follows 4, 5, 6.....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 (-SAP) the wall thickness shall be 2.
7. 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.
8. 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.
9. Temperature Range: 33.0° F to 140.0° F (.06° C to 60.0° C).
10. This ASSE 1019 device shall not be subjected to more than twelve (12) hours of continuous water pressure.
11. **FOR IRRIGATION PURPOSES ONLY.**

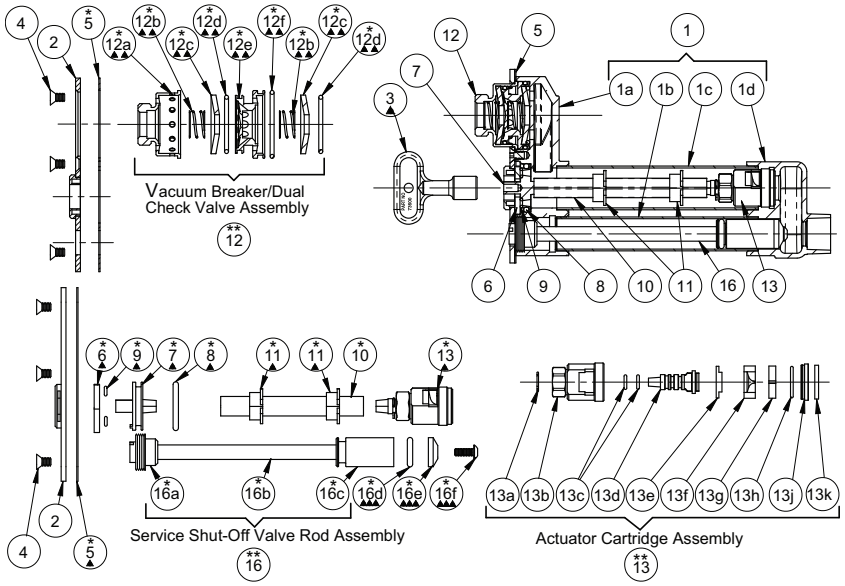
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

Meets ASME A112.21.3M Specifications
Complies w/ ASSE 1019-B,1052 and 1053.
IAPMO Listed- File #2749
PATENT PENDING

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, Lead Free Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker, Integral Service Shut-Off Valve, Dual Check Valve, "T" Handle Key.

WALL THICKNESS	3/4" INLET
-SAP*	**POA**
05 - 08"	**POA**
09 - 16"	**POA**
17 - 24"	**POA**
25 - 31"	**POA**

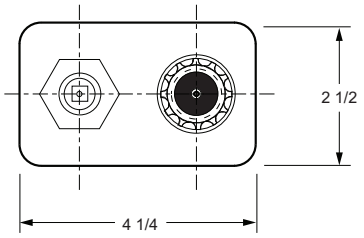


HYDRANTS PARTS LIST			
NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	12e	**Flow Diverter
1a	Head	12f	**Large O-Ring
1b	Casing	13	Actuator Cartridge Assembly
1c	Casing		
1d	Valve Housing	13a	**Retaining Ring
2	Wall Plate Assembly	13b	**Valve Body
3	Key	13c	**Actuator O-Ring (2)
4	Wall Plate Securing Screw (5)	13d	**Valve Actuator
5	Wall Plate Gasket	13e	**Nylon Thrust Washer
6	Stationary Operator Piece	13f	**Rotating Ceramic Disc
7	Moveable Operator Piece	13g	**Fixed Ceramic Disc
8	Moveable Operator O-Ring	13h	**O-Ring
9	Drain Hole Seal (2)	13j	**O-Ring Gasket Retainer
10	Operator Rod	13k	**Rubber Seal
11	Operator Rod Guides (2)	16	Service Valve Rod Assembly
12	Vacuum Breaker/Dual Check Valve Assembly	16a	**Service Valve Operator
		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

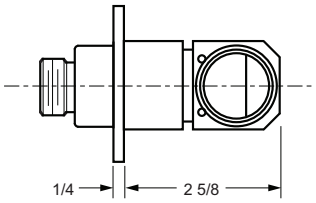
▲ These Replacement Parts Available in HPRK-19
▲▲ These Replacement Parts Available in HPRK-19VB
▲▲▲ These Replacement Parts Available in HPRK-15SV
*These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
**Parts supplied as an assembly only, see part 12,13 or 16.

†REGULARLY FURNISHED

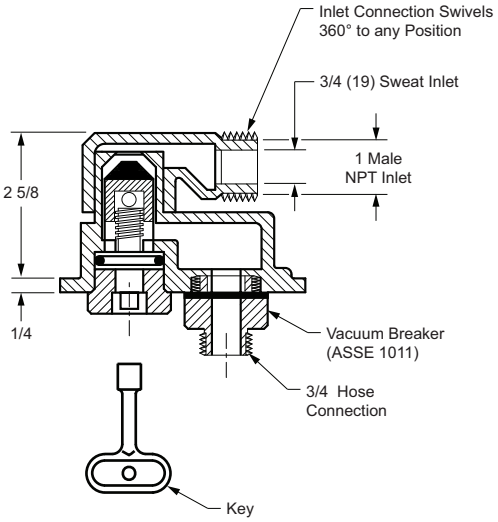
FIG. 5618 NARROW WALL WARM CLIMATE HYDRANT WITH INTEGRAL VACUUM BREAKER AND EXPOSED HOSE CONNECTION



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	713.00

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.

FIG. 5619 GUARDIAN DUAL CHECK-1/4 TURN HYDRANT W/INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE AND EXPOSED HOSE CONNECTION

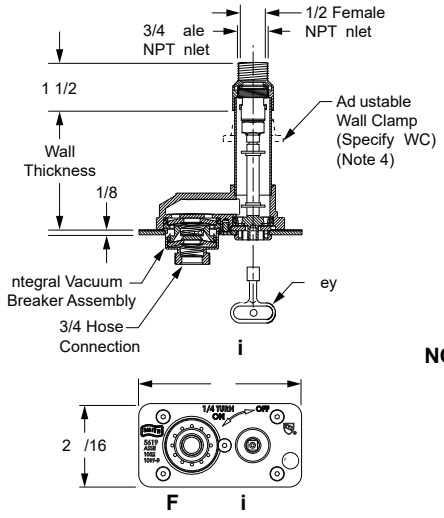


Fig. 5 9

OPTIONS:

		ADD
-CP	Chrome Plated Face	86.00
-E	Elbow Inlet	45.00
-E1	1" NPT Elbow Inlet	244.00
-HC1	1" Hose Conn Adaptor	200.00
-IC1	1" Male NPT Inlet Connection (Note 5)	200.00
-MF1	1" Straight Female Inlet	200.00
-PB	Polished Bronze Face	57.00
-SE	Sweat Elbow Inlet	45.00
-SE1	1" NPT Sweat Elbow Inlet	244.00
-SS	Straight Sweat Inlet	N/C
-SS1	1" Straight Sweat Inlet	200.00
-WC	Adjustable Wall Clamp	N/C
-WH	Wheel Handle	274.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

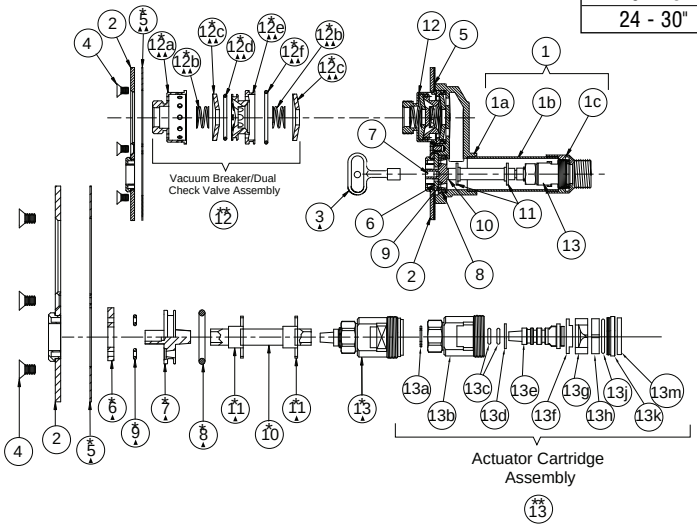
1. Recommended wall opening 2 1/4 x 4".
2. When ordering, specify wall thickness in 1 increments as follows 4,5,6,7,8.....24.
3. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
4. When wall clamp -WC is desired, increase wall thickness dimension by 2".
5. Add 3/4" to Overall Length When Specified.
6. *When specifying Fig. 5619 (-SAP) the wall thickness shall be 2".
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.**

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*	710.00	7
04 - 07"	1,127.00	8
08 - 15"	1,200.00	9
16 - 23"	1,313.00	10
24 - 30"	1,412.00	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	NO.	DESCRIPTION
1	Casing Assembly	10	Operator Rod	13a	**Retaining Ring
1a	Head	11	Operator Rod Guides (2)	13b	**Valve Body
1b	Casing	12	Vacuum Breaker/Dual Check Valve Assembly	13c	**Actuator O-Ring (2)
1c	Valve Housing			13d	**Nylon Thrust Spacer
2	Wall Plate Assembly	12a	**Vacuum Breaker Housing	13e	**Valve Actuator
3	Key	12b	**Spring (2)	13f	**Nylon Thrust Washer
4	Wall Plate Securing Screw (5)	12c	**Cone Washer (2)	13g	**Rotating Ceramic Disc
5	Wall Plate Gasket	12d	**Small O-Ring	13h	**Fixed Ceramic Disc
6	Stationary Operator Piece	12e	**Flow Diverter	13j	**O-Ring
7	Movable Operator Piece	12f	**Large O-Ring	13k	**O-Ring Gasket Retainer
8	Movable Operator O-Ring	13	Actuator Cartridge Assembly	13m	**Rubber Seal
9	Drain Hole Seal (2)				

▲ 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

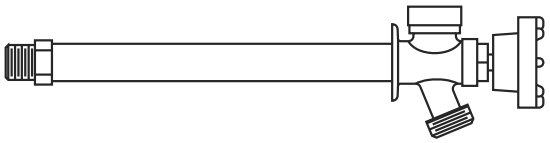
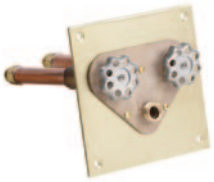
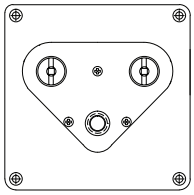
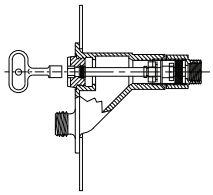


FIG. 5660QT-SAP, 5661QT-SAP EXPOSED 1/4 TURN WARM CLIMATE "TWIN TEMP" WALL HYDRANT



Inlet Connection	Series No.	†Polished Brass Face
1/2" Female & 3/4" Male	**5660QT-SAP**	**POA**
1" Male	**5661QT-SAP**	**POA**

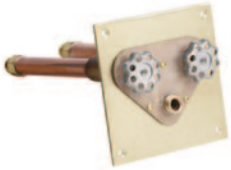




ADD FOR:

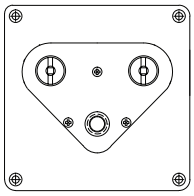
-H Vacuum Breaker Self Draining Type .....**POA**
-WH Wheel Handle (Each) **requires 2** .....**POA**

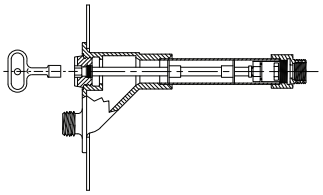
FIG. 5660QT, 5661QT EXPOSED 1/4 TURN WARM CLIMATE "TWIN TEMP" WALL HYDRANT



Wall Thickness	Inlet Connection	5660QT †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**

Wall Thickness	Inlet Connection	5661QT †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**

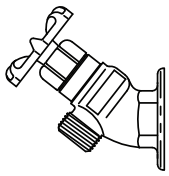


Fig. 5670
(Less Vacuum Breaker)

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**

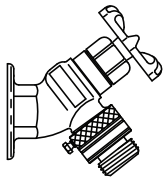


Fig. 5670 -H
(With Vacuum Breaker)

FIG. 5672, 5673 MILD CLIMATE SILLCOCK

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**

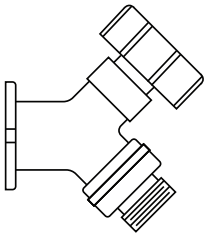


FIG. 5675 HOSE VALVES BENT NOSE

NPT INLET	†Rough Brass	Polished Chrome Plated	Rough Chrome Plated
3/4”	POA	POA	POA

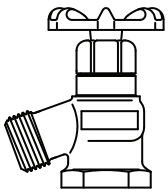


Fig. 5675
(Less Vacuum Breaker)

Female Threaded Inlet

FIG. 5675-H HOSE VALVES BENT NOSE W/ASSE 1011 VACUUM BREAKER

NPT INLET	†Rough Brass	Polished Chrome Plated	Rough Chrome Plated
3/4”	POA	POA	POA

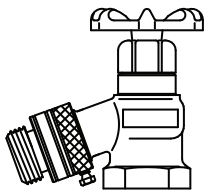


Fig. 5675-H
(With Vacuum Breaker)

Female Threaded Inlet

†REGULARLY FURNISHED

FIG. 5810 SER. BRONZE NON-FREEZE GROUND HYDRANT W/ROUGH BRONZE BOX AND BRONZE CASING

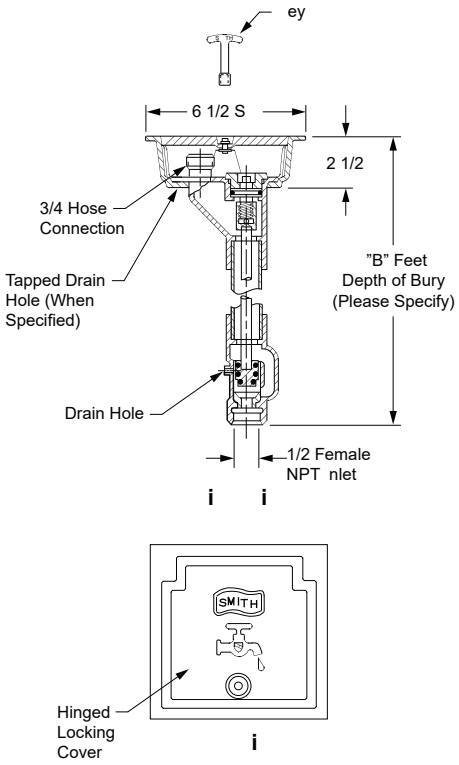


Fig. 5 0

OPTIONS:

		ADD
-CL	Cylinder Lock	**176.00**
-CP	Chrome Plated Box	**286.00**
-H	3/4" Vacuum Breaker	**N/C**
-HC1	1" Hose Conn Adaptor	**200.00**
-LD	Less Drain Hole	**N/C**
-N	1/8" NPT Drain Hole in Box	**176.00**
-NB	Nickel Bronze Box	**260.00**
-NV	1/8" NPT Drain Hole in Housing	**N/C**
-PB	Polished Bronze Box	**57.00**
-W	"Water" on Cover	**N/C**

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

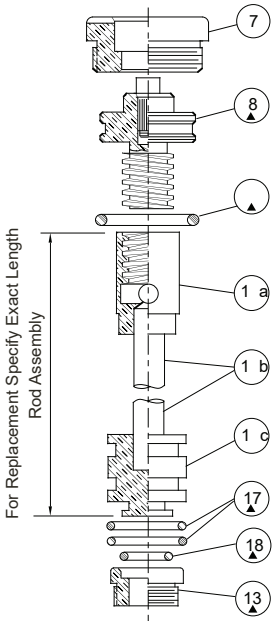
1. Recommended Box-out 5 3/4 x 5 3/4".
2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
3. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
4. **FOR IRRIGATION PURPOSES ONLY.**

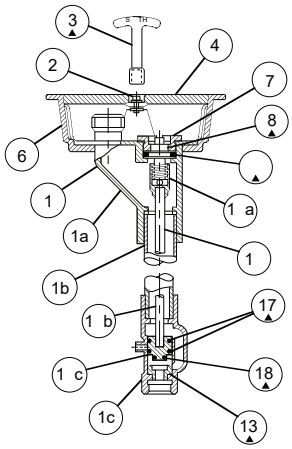
Addition of vacuum breaker will not allow draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.

REGULARLY FURNISHED: Bronze Non-Freeze Ground Hydrant with "T" Handle Key and Bronze Hydrant Box. Inlet Size Furnished as Indicated by Figure Number Selected.

*B = 9 1/2" when specified (-SAP)

B FEET DEPTH OF BURY	5810 3/4" INLET	5811 1" INLET	APPROX WEIGHT LBS
-SAP	**2,336.00**	**2,772.00**	8
02'	**2,336.00**	**2,772.00**	17
03'	**2,397.00**	**2,772.00**	21
04'	**2,461.00**	**2,900.00**	25
05'	**2,520.00**	**2,960.00**	33
06'	**2,594.00**	**3,026.00**	39
07'	**2,736.00**	**3,201.00**	45
08'	**2,900.00**	**3,394.00**	52
09'	**3,078.00**	**3,594.00**	54
10'	**3,264.00**	**3,811.00**	56





REPLACE ENT PARTS SPEC F F G N WHEN RDER NG			
No	DESCR PT N	No	DESCR PT N
1	Head/Casing Assembly	8	perating Screw
1a	Head		perating Screw Ring
1b	Casing	1	perating Rod Assembly
1c	Valve Housing	1 a	Coupling
2	Locking Device	1 b	Rod
3	ey	1 c	Plunger
4	Cover	13	Removable Seat
	Hydrant Cover Hinge Pins (2)	17	Plunger Ring
6	Box	18	Plunger Ring
7	Face Nut		

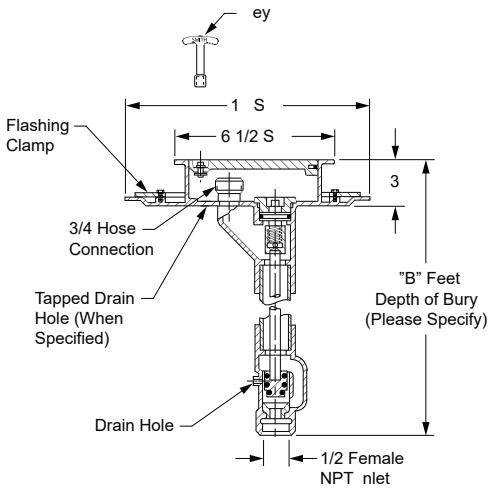
▲These Replacement Parts Available in HPR 41
These parts are accessible from face of hydrant by removing face nut

A NTENANCE NSTR CT NS

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
Replace complete stem assembly and face nut

†REGULARLY FURNISHED

FIG. 5810-F SER. BRONZE NON-FREEZE GROUND HYDRANT W/ROUGH BRONZE BOX, INTEGRAL FLASHING FLANGE AND CLAMP



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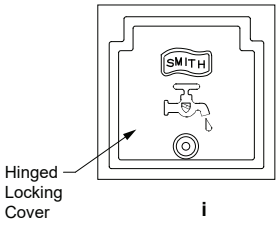

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Fig. 5 0F

OPTIONS:

		ADD
-CP	Chrome Plated Box	176.00
-H	3/4" Vacuum Breaker (5810 Only)	N/C
-HC1	1" Hose Conn Adaptor	200.00
-LD	Less Drain Hole	N/C
-N	1/8" NPT Drain Hole in Box	176.00
-NB	Nickel Bronze Box	260.00
-NV	1/8" NPT Drain Hole in Hsg	N/C
-PB	Polished Bronze Box	57.00
-W	"Water" on Cover	N/C

		DEDUCT
-LFC	Less Flashing Clamp Deduct	69.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

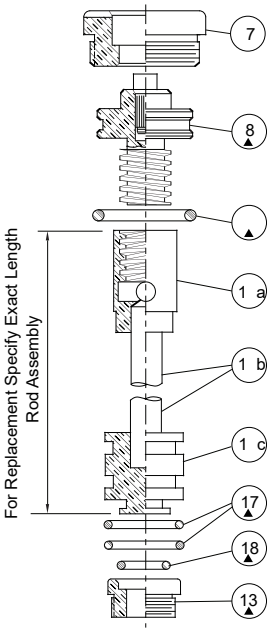
1. Recommended Box-out 10 1/2 x 10 1/2".
2. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
3. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
4. **FOR IRRIGATION PURPOSES ONLY.**

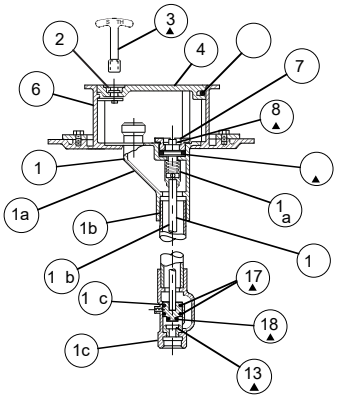
Addition of vacuum breaker will not allow draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.

*B = 9 1/2" when specified (-SAP)

B FEET DEPTH OF BURY	5810-F 3/4" INLET	5811-F 1" INLET	APPROX WEIGHT LBS
-SAP	2,336.00	2,772.00	13
02'	2,336.00	2,772.00	22
03'	2,397.00	2,772.00	26
04'	2,461.00	2,899.00	30
05'	2,520.00	2,960.00	38
06'	2,594.00	3,026.00	44
07'	2,736.00	3,201.00	50
08'	2,900.00	3,395.00	57
09'	3,078.00	3,594.00	64
10'	3,264.00	3,811.00	68

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.





REPLACE ENT PARTS SPEC F F G N WHEN RDER NG			
No	DESCR PT N	No	DESCR PT N
1	Head/Casing Assembly	8	perating Screw
1a	Head		perating Screw Ring
1b	Casing	1	perating Rod Assembly
1c	Valve Housing	1 a	Coupling
2	Locking Device	1 b	Rod
3	ey	1 c	Plunger
4	Cover	13	Removable Seat
	Hydrant Cover Hinge Pins (2)	17	Plunger Ring
6	Box	18	Plunger Ring
7	Face Nut		

▲ These Replacement Parts Available in HPR 41

These parts are accessible from face of hydrant by removing face nut

A NTENANCE NSTR CT NS

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
Replace complete stem assembly and face nut

†REGULARLY FURNISHED

FIG. 5812 SER. BRONZE NON-FREEZE GROUND HYDRANT W/CAST IRON BOX W/ 1 1/4", 1 1/2" OR 2" CONNECTIONS

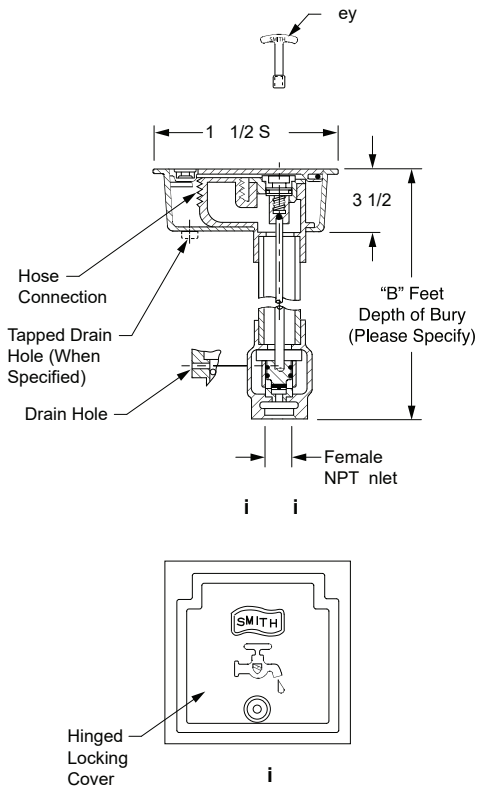


Fig. 5

OPTIONS:		ADD
-N	1/8" NPT Drain Hole in Box	176.00
-NB	Nickel Bronze Box	550.00
-NV	1/8" NPT Drain Hole in Hsg	N/C
-PB	Polished Bronze Box	N/C
-RB	Rough Bronze Box	176.00
-W	"Water" on Cover	N/C

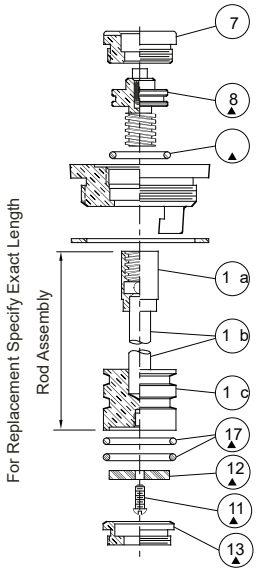
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

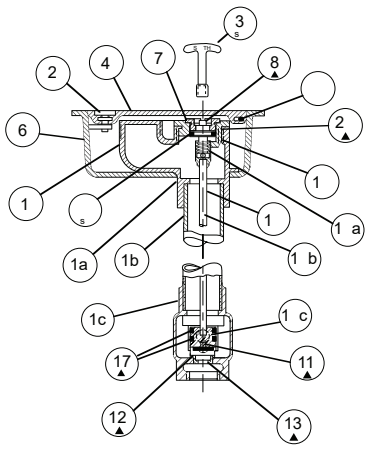
NOTES:

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 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. **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	8,093.00	8,883.00	10,371.00	23
02'	11,173.00	11,566.00	12,837.00	42
03'	11,294.00	11,686.00	13,216.00	47
04'	11,409.00	11,800.00	13,344.00	52
05'	11,528.00	11,983.00	13,701.00	57
06'	11,642.00	12,040.00	14,088.00	62
07'	12,229.00	12,613.00	14,352.00	67
08'	12,553.00	12,933.00	14,712.00	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.





REPLACE ENT PARTS SPEC F F G N WHEN RDER NG			
No	DESCR PT N	No	DESCR PT N
1	Head/Casing Assembly		perating Screw Ring
1a	Head	1	perating Rod Assembly
1b	Casing	1 a	Coupling
1c	Valve Housing	1 b	Rod
2	Locking Device	1 c	Plunger
3	ey	11	Washer Screw (No 1 24)
4	Cover	12	Washer (Neoprene)
	Hydrant Cover Hinge Pins (2)	13	Removable Seat
6	Box	17	Plunger Ring
7	Face Nut	1	Face Nut Seat
8	perating Screw	2	Face Nut Seat Gasket

▲These Replacement Parts Available in HPR

These parts are accessible from face of hydrant by removing face nut

A NTENANCE NSTR CT NS

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
Replace complete stem assembly and face nut

†REGULARLY FURNISHED

FIG. 5830, 5831 NON-FREEZE GROUND HYDRANT FLUSH BOX HYDRANT WITH LOCKING COVER

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**

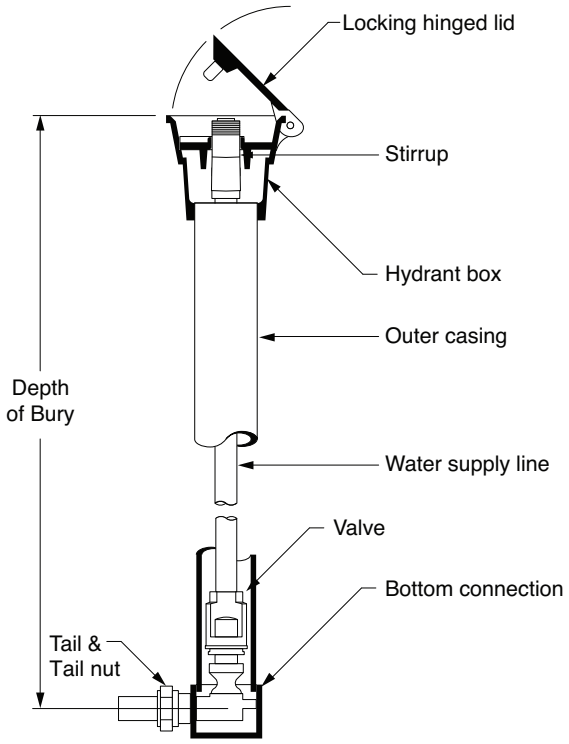


FIG. 5903 NON-FREEZE SANITARY ROOF HYDRANT

Depth of Bury	Inlet Connection	5903
2’	3/4” Female	**POA**

ADD FOR:

-H Vacuum Breaker.....**POA**

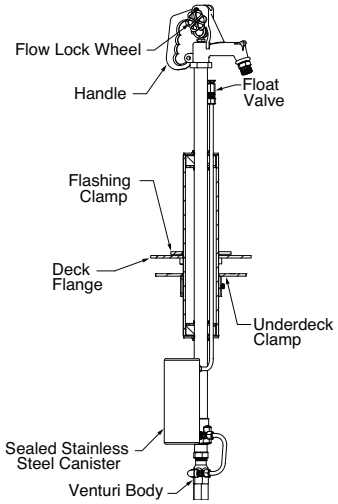


FIG. 5904 NON-FREEZE POST/YARD HYDRANT

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**

FIG. 5906 NON-FREEZE ROOF HYDRANT

Depth of Bury	Inlet Connection	5906
2’	3/4” Female	POA

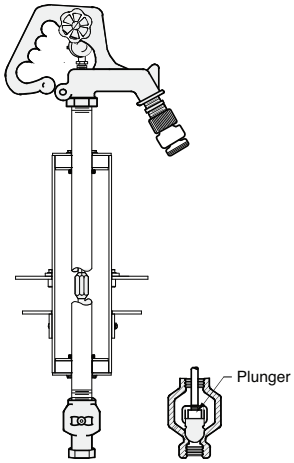


FIG. 5907 NON-FREEZE ROOF HYDRANT

Depth of Bury	Inlet Connection	w/Check Valve 5907
2’	3/4” Female	POA

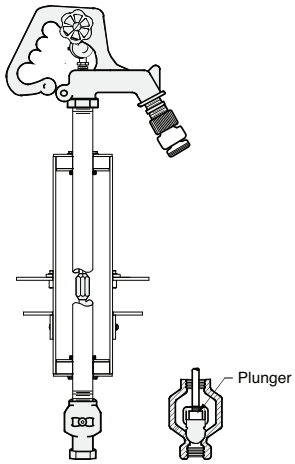
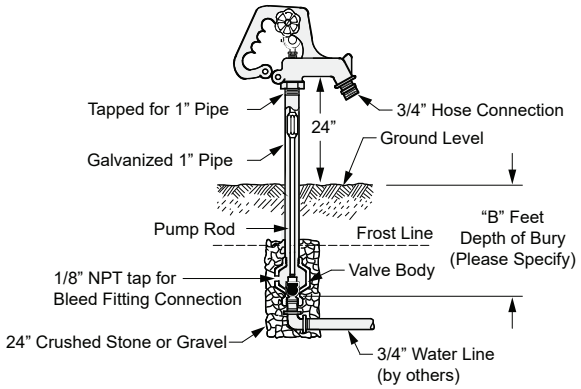


FIG. 5909 NON-FREEZE POST HYDRANT WITH GALVANIZED CASING



OPTIONS:		ADD
-H	Vacuum Breaker	**POA**
-NV	1/8" NPT Drain Hole in Valve Housing	**POA**
-MF-1	1" Female Inlet Connection	**POA**

NOTES:

1. Addition of vacuum breaker will not allow draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.
2. 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.
3. **FOR IRRIGATION PURPOSES ONLY.**

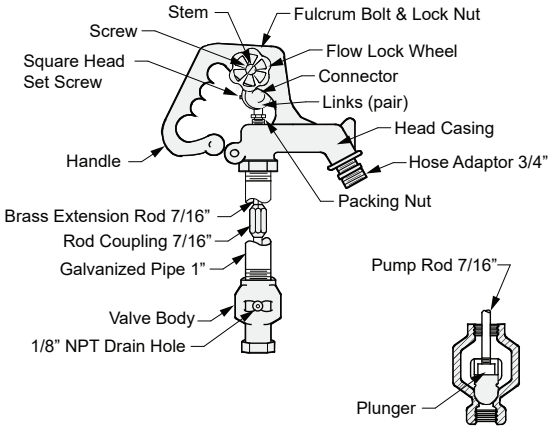


Fig. 5909

B FEET DEPTH OF BURY	3/4" INLET	APPROX WEIGHT LBS
01'	**POA**	10
02'	**POA**	14
03'	**POA**	18
04'	**POA**	22
05'	**POA**	26
06'	**POA**	30

REGULARLY FURNISHED:

Non-Freeze Post Hydrant with Galvanized Casing and Adjustable Flow Wheel Lock Handle.

FIG. 5910 SER. NON-FREEZE POST HYDRANT WITH BRONZE CASING

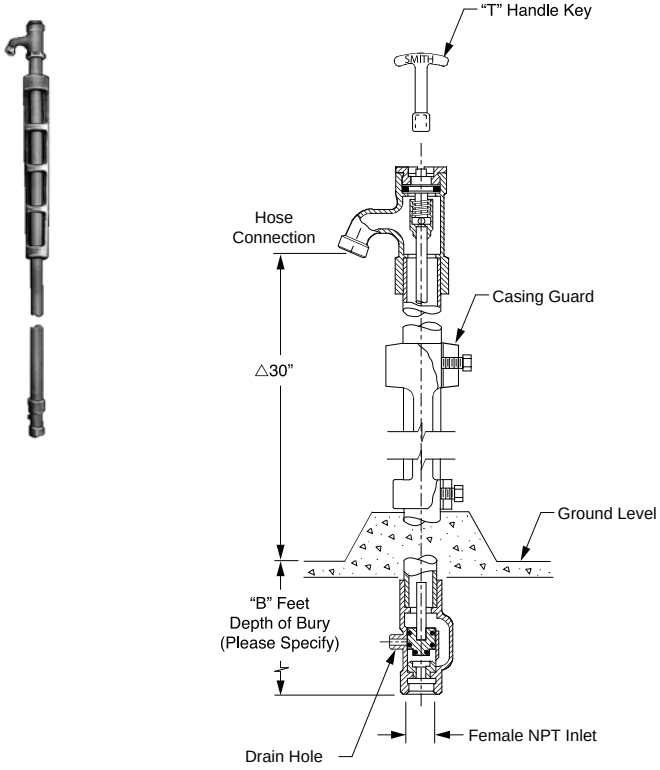


Fig. 59 0

OPTIONS:		ADD
-AG	Aluminum Casing Guard	N/C
-H	3/4" Vacuum Breaker (5910 Only)	123.00
-NV	1/8" NPT Drain Hole in Housing	N/C
-WH	Secured Wheel Handle	274.00

For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

Δ Regularly furnished (unless otherwise specified)

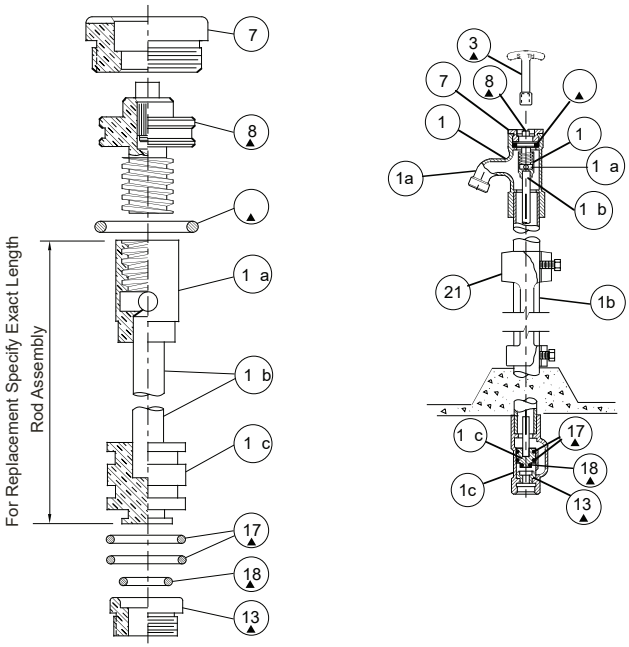
NOTES:

1. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
2. 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.
3. **FOR IRRIGATION PURPOSES ONLY.**

Addition of vacuum breaker will not allow draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.

B FEET DEPTH OF BURY	5910 3/4" INLET	5911 1" INLET	APPROX WEIGHT LBS
02'	**2,137.00**	**2,579.00**	25
03'	**2,203.00**	**2,643.00**	29
04'	**2,262.00**	**2,699.00**	33
05'	**2,327.00**	**2,768.00**	37
06'	**2,389.00**	**2,825.00**	41
07'	**2,559.00**	**2,989.00**	45
08'	**2,714.00**	**3,171.00**	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.



REPLACE ENT PARTS L ST SPEC F F G RE N WHEN RDER NG			
No	DESCR PT N	No	DESCR PT N
1	Head/Casing Assembly	1	perating Rod Assembly
1a	Head	1 a	Coupling
1b	Casing	1 b	Rod
1c	Valve Housing	1 c	Plunger
3	ey	13	Removable Seat
7	Face Nut	17	Plunger Ring
8	perating Screw	18	Plunger Ring
	perating Screw Ring	21	Casing Guard

▲These replacemant parts available in HPR 41

These parts are accessible from face of hydrant by removing face nut

A NTENANCE NSTR CT NS

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
Replace complete stem assembly and face nut

†REGULARLY FURNISHED

FIG. 5912 SER. NON-FREEZE POST HYDRANT W/CAST IRON CASING GUARD W/1 1/4", 1 1/2" OR 2" CONNECTIONS

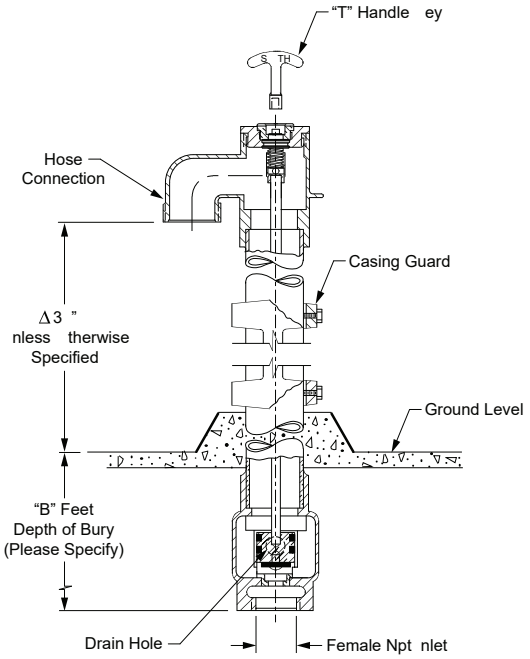


Fig. 59

B FEET DEPTH OF BURY	5912 1 1/4" INLET	5913 1 1/2" INLET	5914 2" INLET	APPROX WEIGHT LBS
-SAP	**9,193.00**	**9,582.00**	**11,222.00**	30
02'	**9,193.00**	**9,582.00**	**11,222.00**	57
03'	**9,307.00**	**9,695.00**	**11,595.00**	62
04'	**9,419.00**	**9,809.00**	**11,769.00**	67
05'	**9,535.00**	**9,927.00**	**11,769.00**	74
06'	**9,656.00**	**10,004.00**	**11,898.00**	77
07'	**10,140.00**	**10,548.00**	**12,114.00**	82
08'	**10,648.00**	**11,079.00**	**12,454.00**	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.

OPTIONS: **ADD**

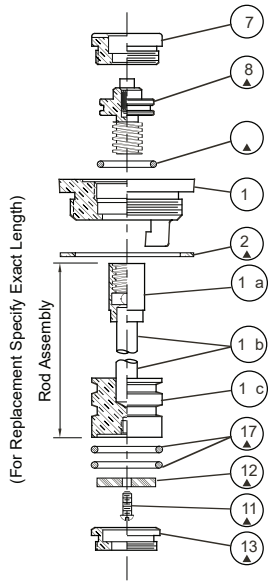
-AG Aluminum Casing Guard ..... **N/C**
-NV 1/8" Drain Hole in Housing ..... **N/C**
-WH Secured Wheel Handle **241.00**

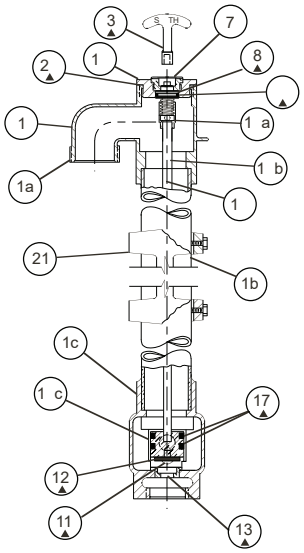
For Hydrant Parts Repair Kit, refer to Net Parts Price Guide.

NOTES:

1. All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings and USDA approved lubricants.
2. The 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.
3. **FOR IRRIGATION PURPOSES ONLY.**

Δ Regularly furnished (unless otherwise specified)





REPLACE ENT PARTS L ST SPEC F F G RE N WHEN RDER NG			
No	DESCR PT N	No	DESCR PT N
1	Head/Casing Assembly	1 b	Rod
1a	Head	1 c	Plunger
1b	Casing	11	Washer Screw (No 1 24
1c	Valve Housing	12	Washer (Neoprene)
3	ey	13	Removable Seat
7	Face Nut	17	Plunger Ring
8	perating Screw	1	Face Nut Seat
	perating Screw Ring	2	Face Nut Seat Gasket
1	perating Rod Assembly	21	Casing Guard
1 a	Coupling		

▲These Replacement Parts Available in HPR
These Parts Accessible from Face of Hydrant by removing Facenut

A NTENANCE NSTR CT NS

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 Replace complete stem assembly and face nut

†REGULARLY FURNISHED

FIG. 5950 SER. NON-FREEZE BOX TYPE GROUND HYDRANT W/HEAVY DUTY COVER

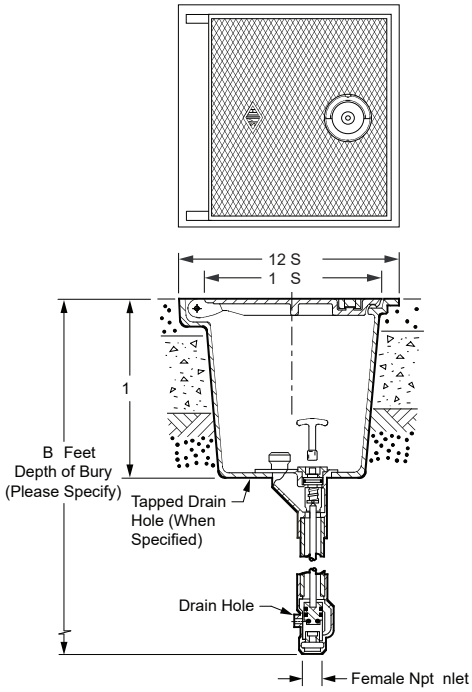


Fig. 5950

B FEET DEPTH OF BURY	5950 3/4" INLET	5951 1" INLET	APPROX WEIGHT LBS
-SAP	**2,336.00**	**4,386.00**	81
02'	**3,966.00**	**4,407.00**	81
03'	**3,966.00**	**4,461.00**	85
04'	**4,095.00**	**4,912.00**	93
05'	**4,154.00**	**4,595.00**	97
06'	**4,222.00**	**4,656.00**	101
07'	**4,430.00**	**4,885.00**	105
08'	**4,648.00**	**5,134.00**	109

REGULARLY FURNISHED: Bronze Hydrant with Bronze Casing. "T" Handle Key and Cast Iron Box with Heavy Duty Cover with Lifting Device.

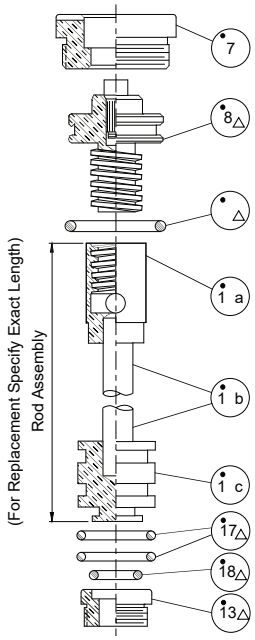
OPTIONS:

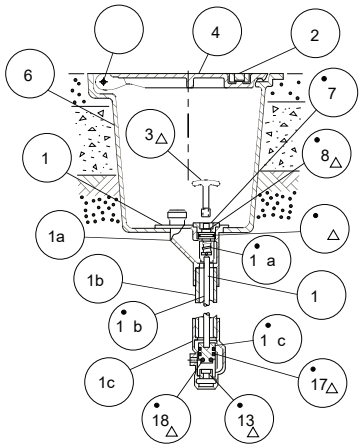
		ADD
-HC1	1" Hose Connection Adaptor	**200.00**
-N	1/8" Drain Hole in Box	**176.00**
-NB	Nickel Bronze Top	**4,094.00**
-NV	1/8" Drain Hole in Housing	**N/C**
-PB	Polished Bronze Top	**N/C**
-W	"Water" on Cover	**279.00**

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. Addition of vacuum breaker will not allow draining of the casing. Smith is not responsible for any casings that burst or related incidents if the hydrant is supplied with a vacuum breaker.
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 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 IRRIGATION PURPOSES ONLY.**





REPLACE ENT PARTS L ST SPEC F F G RE N WHEN RDER NG			
No	DESCR PT N	No	DESCR PT N
1	Head/Casing Assembly	8	perating Screw
1a	Head		perating Screw Ring
1b	Casing	1	perating Rod Assembly
1c	Valve Housing	1 a	Coupling
2	Lifting Device	1 b	Rod
3	ey	1 c	Plunger
4	Cover	13	Removable Seat
	Hydrant Cover Hinge Pins(2)	17	Plunger Ring
6	Box	18	Plunger Ring
7	Face Nut		

△These replacement parts available in HPR 41

• These parts are accessible from face of hydrant by removing face nut

A NTENANCE NSTR CT NS
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
Replace complete stem assembly and face nut

†REGULARLY FURNISHED

FIG. 5960, 5961 NON-FREEZE COMPRESSION TYPE POST HYDRANT

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**

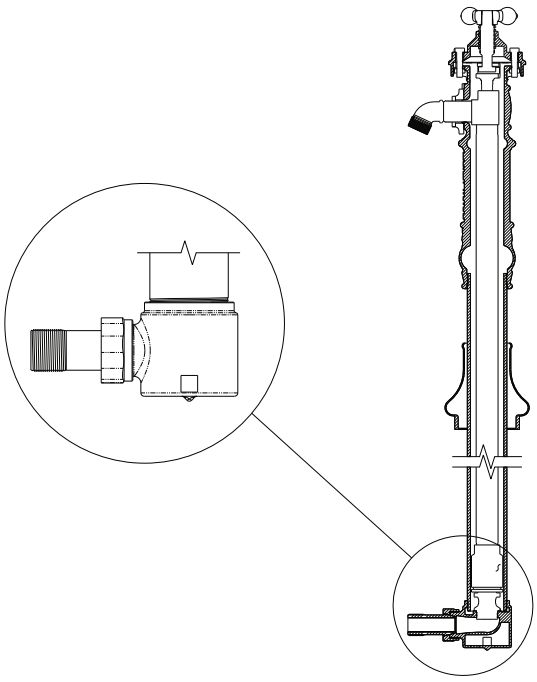


FIG. 5963 NON-FREEZE COMPRESSION TYPE POST HYDRANT

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**

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**

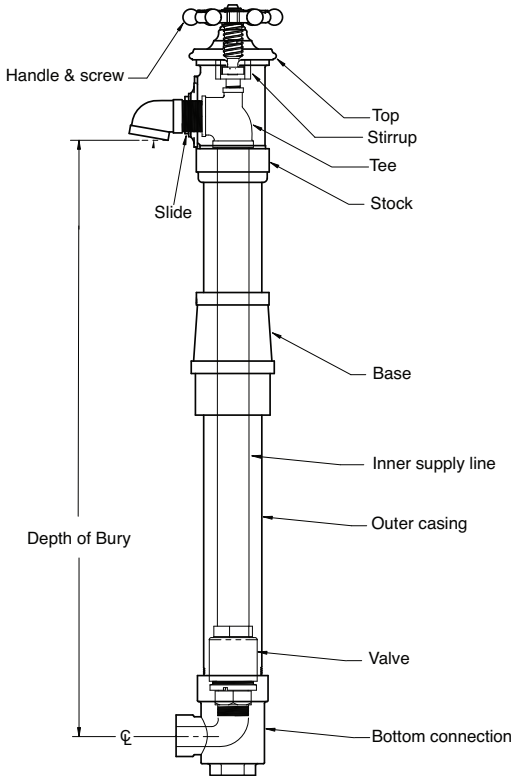


FIG. 5964 NON-FREEZE COMPRESSION TYPE SELF-CLOSING HYDRANT WITH OPERATING LEVER

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**

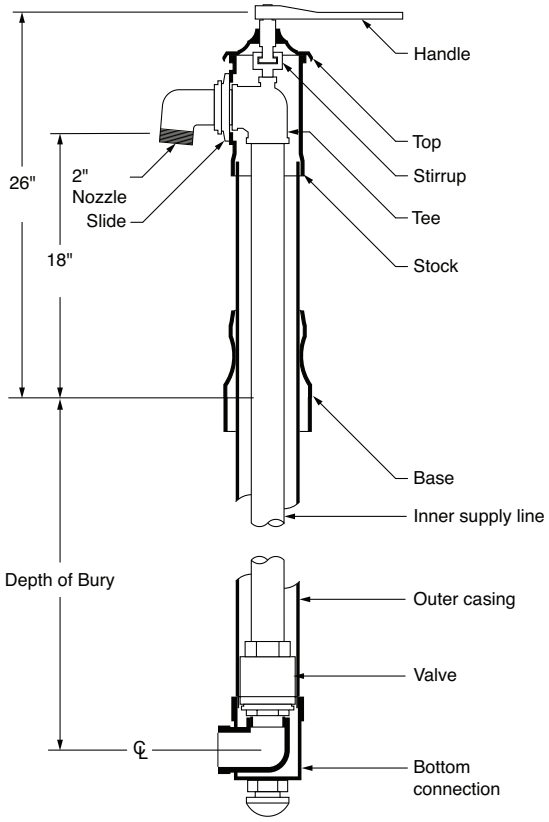


FIG. 5965, 5966 NON-FREEZE COMPRESSION TYPE SELF-CLOSING HYDRANT WITH OPERATING LEVER

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**

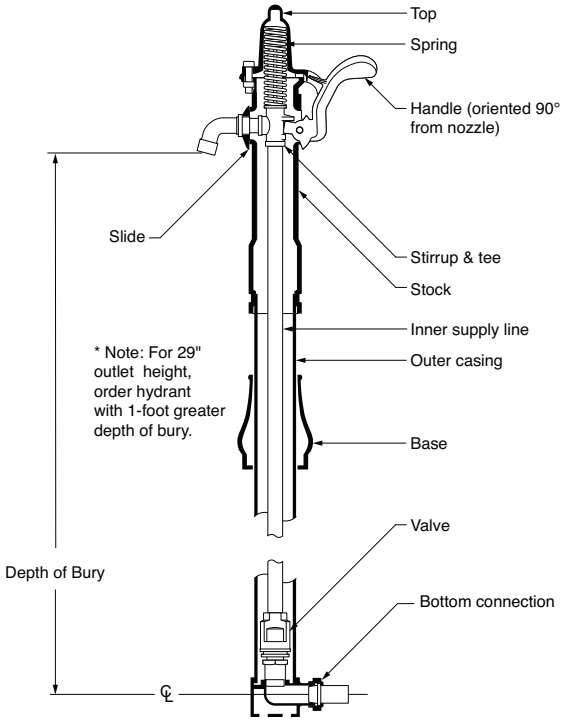
ADD FOR:

-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**

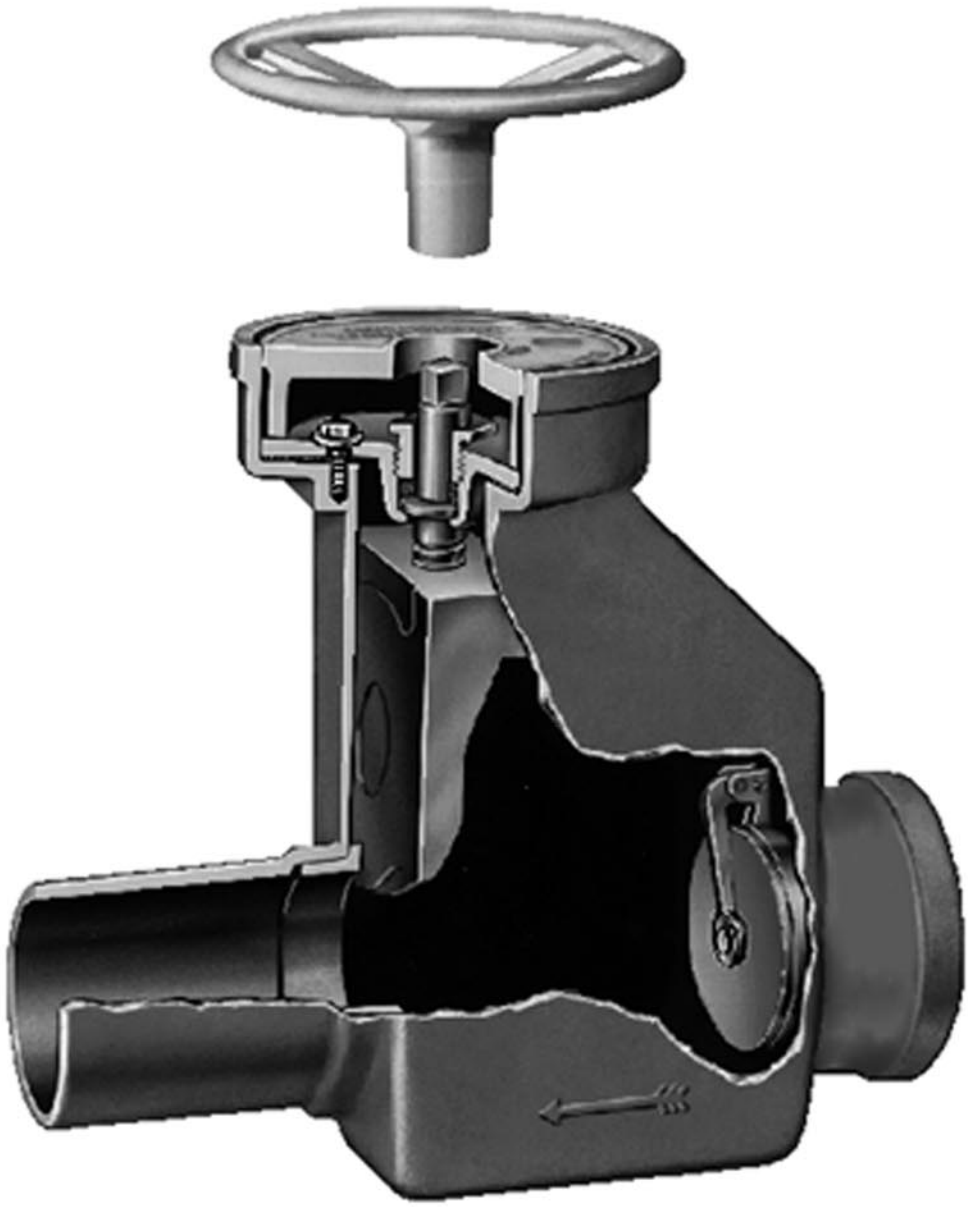
ADD FOR:

-BFH Double Ball Check Valve Drain.....**POA**



NOTES

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. — 7150

Type of Outlet (Spigot) — S

Pipe Size (Inches) — 04

Galvanized Cast Iron — (-G)

*All variation suffixes are to be shown in parentheses.

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.

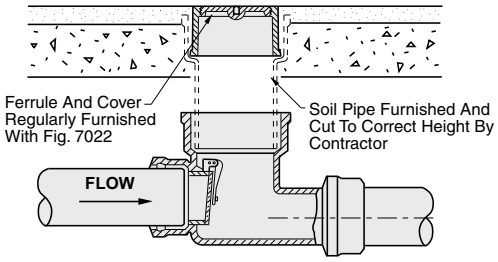
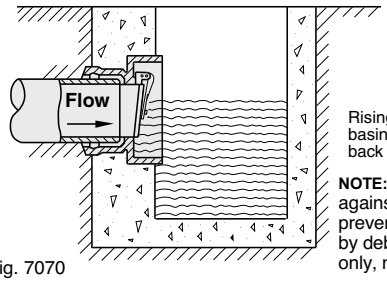


Fig. 7022

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.



Rising water in catch basin cannot flow back into low area

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. 7070

IN-LINE MANUAL SHUT-OFF GATE VALVE

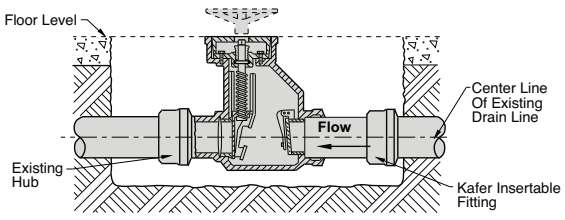
Fig. 7150 Series

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.

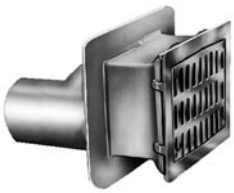
NOTE: For additional backwater valve technical or application data go to our web site at www.jrsmith.com or contact your local Jay R. Smith Representative.

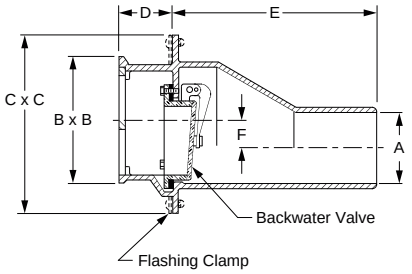
Cut made long enough to expose hub on outlet side, and with enough space on inlet side for insertable fitting.



INSTALLATION IN EXISTING SEWER LINE

FIG. 7000 PIT STYLE BACKWATER VALVE





OPTIONS:

		03, 04"	05, 06"	ADD 08"
-C	Flashing Clamp	243.00	243.00	424.00
-G	Galvanized CI	603.00	603.00	964.00
-U	Vandal Proof Screws	133.00	133.00	131.00

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"	15	**1,682.00**	**2,213.00**	**2,477.00**	43	**1,038.00**
04"	6 3/4" x 9 1/2"	10 1/4" x 12"	3"	11 1/4"	2 1/4"	15	**1,682.00**	**2,213.00**	**2,477.00**	43	**1,038.00**
05, 06"	7 3/4" x 11"	9 3/4" x 13"	4"	13 1/4"	1 1/4"	24 1/2	**2,530.00**	**3,061.00**	**3,325.00**	70	**1,360.00**
08"	12 1/2" x 14 1/2"	17 1/4" x 19"	4"	22"	4 3/4"	56	**4,920.00**	**6,469.00**	**6,630.00**	150	**2,374.00**

REGULARLY FURNISHED: Duco Cast Iron Body with Backwater Valve and Cast Iron Secured Grate.

See submittal for notes.

FIG. 7012 SER. SEWER VALVE W/BOLTED COVER (7012) OR THREADED COVER (7022)

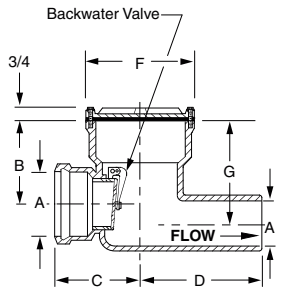


Fig. 7012
Bolted Cover

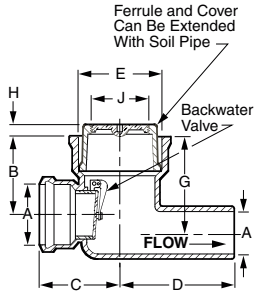


Fig. 7022
Threaded Cover

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, Y10	**N/C**
	Y12	**POA**

OPTIONS:

		ADD
-G	Galvanized Cast Iron	
	02, 03, 04"	**483.00**
	05, 06"	**483.00**
	08, 10"	**1,443.00**
	12"	**1,779.00**

Stainless Steel (Fig. 7012 Only) ..... **Specify Fig. 9795**

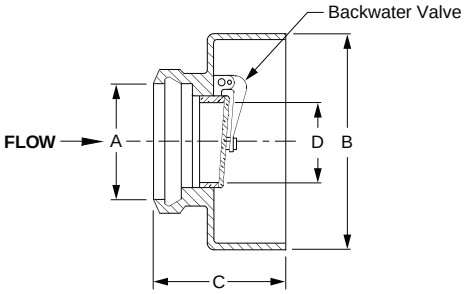
A* OUTLET SIZE	B	C	D	E SIZE	F DIA	G	H	J SIZE	7012 DUCO CI BRZ VALVE	7022 DUCO CI BRZ VALVE	APPROX. WEIGHT LBS
02"	4 1/2"	5"	7"	4"	6 1/2"	6"	1 1/4"	3 1/2"	**830.00**	**830.00**	22
03"	6 1/4"	5 3/4"	9"	5"	7 1/2"	7 1/2"	1 1/2"	4"	**1,200.00**	**1,200.00**	29
04"	6 1/2"	6 1/2"	9 1/2"	6"	8 1/2"	8"	1"	5"	**1,403.00**	**1,403.00**	41
05"	7"	7 3/4"	10 1/2"	8"	10 3/4"	8 3/4"	1"	6"	**1,618.00**	**1,618.00**	54
06"	8"	7 3/4"	11 1/2"	8"	10 3/4"	9 3/4"	1"	6"	**1,618.00**	**1,618.00**	75
08"	9 1/2"	9 1/2"	12 1/2"	10"	13"	11 3/4"	1"	6"	**4,645.00**	**4,645.00**	100
**10"									**15,783.00**	–	125
**12"									**16,272.00**	–	150

*Sized for Service Weight and/or No-Hub.
**Please contact Jay R. Smith Engineering Department for dimensions not shown.
Conforms to ASME A112-14.1

REGULARLY FURNISHED: Duco Cast Iron Body with Bronze Backwater Valve. Cover as Indicated by Figure Number Selected.

†REGULARLY FURNISHED

FIG. 7070 TERMINAL VALVE

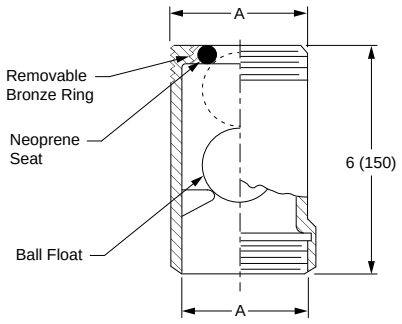


Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
C	Inside Caulk	N/C
Y	No-Hub Outlet	N/C

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"	**830.00**	**1,094.00**	10
03"	8"	5 1/2"	2 3/4"	**830.00**	**1,094.00**	12
04"	9"	5 3/4"	3 3/4"	**861.00**	**1,123.00**	15
05"	11 1/2"	6"	4 1/2"	**1,071.00**	**1,382.00**	20
06"	11 1/2"	6"	5 3/4 "	**1,071.00**	**1,382.00**	28
08"	13 1/2"	6 3/4"	8"	**2,835.00**	**3,286.00**	42
10"	15 3/4"	7 3/4"	10"	**5,787.00**	**6,236.00**	58
12"	17 1/2"	8 3/4"	12"	**8,549.00**	**9,518.00**	80
16"	26 1/4"	16 1/2"	18"	**16,209.00**	**POA**	120

REGULARLY FURNISHED: Duco Cast Iron Body with Backwater Valve.

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

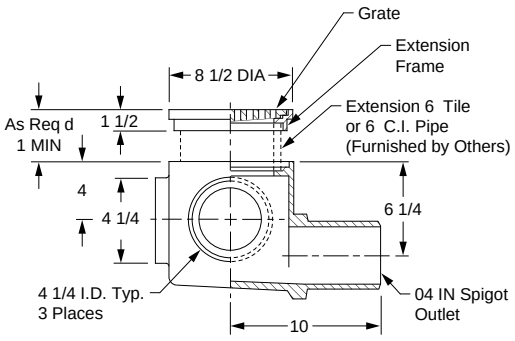
Inlet/Outlet Type		ADD
Y-2	No-Hub x No Hub (7080Y-2 (Example: 7080Y04-2)	N/C

OPTIONS:		ADD
-BB	All Bronze	POA

A OUTLET SIZE	†DUCO CI	GALV CI	APPROX. WEIGHT LBS
02"	**617.00**	**781.00**	3
03, 04"	**617.00**	**781.00**	6
05, 06"	**1,505.00**	**1,670.00**	23

REGULARLY FURNISHED:
Duco Cast Iron Body with Ball Float Backwater Valve.

FIG. 7097 DRAIN TILE SUMP WITH 4" TILE INLET & SPIGOT OUTLET



OPTIONS:

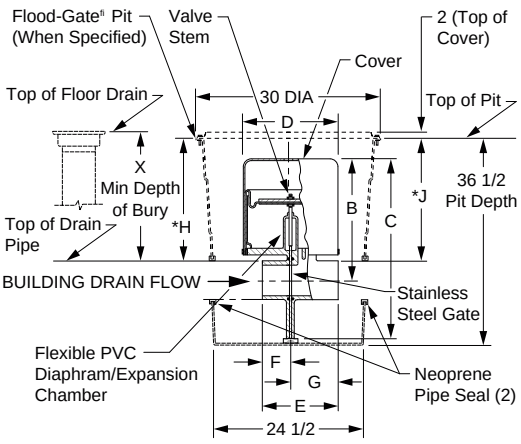
		ADD
-G	Galvanized CI	**645.00**
-NB	Nickel Bronze Top	**896.00**
-PB	Polished Bronze Top	**693.00**
-SC	Solid CI Cover	**226.00**

A OUTLET SIZE	FREE AREA SQ. IN.	†DUCO CI	APPROX. WEIGHT LBS
04"	14.25"	**898.00**	55

REGULARLY FURNISHED:
Duco Cast Iron Body and Extension Frame with Cast Iron Slotted Grate.

Sized for Service Weight and/or No-Hub.

FIG. 7140 FLOOD-GATE® IN-LINE AUTOMATIC BACKWATER VALVE



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.

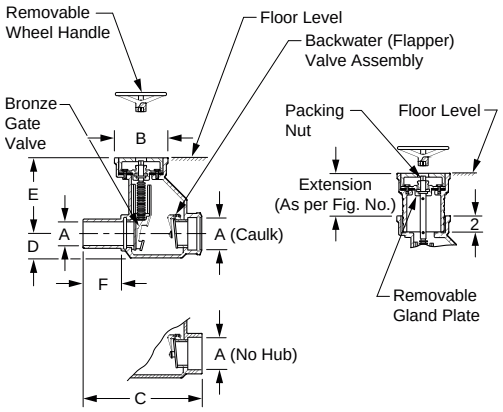
A DIA NO-HUB (-Y) IN/OUT SIZE	B CENTERLINE TO TOP	C OVERALL HEIGHT	D DIA WIDTH	E LENGTH	F INLET LENGTH	G OUTLET LENGTH	*H	*J	X MIN BURY DEPTH	BASE WIDTH
04"	15"	22 15/16"	12 5/8"	6 5/8"	2 3/8"	4 1/4"	26 1/4"	26 3/4"	9"	7 1/2"
06"	20 3/8"	31 1/4"	13 1/4"	8 3/16"	3 3/16"	5"	22 1/4"	22 3/4"	14"	9 1/2"

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.

†REGULARLY FURNISHED

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	66.00
-SW	Sized for Service Weight	N/C

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.

FIGURE 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"	**4,381.00**	**5,650.00**	110
	-	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	**7,896.00**	**9,165.00**	140
7151	12"	04"	8"	18"	3 3/4"	12"	5"	**5,723.00**	**6,990.00**	110
7152	24"	04"	8"	18"	3 3/4"	12"	5"	**6,257.00**	**7,525.00**	130
7153	9 1/2"	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	**8,689.00**	**9,918.00**	140
7154	21 1/2"	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	**10,586.00**	**11,816.00**	160
7155	Adaptor	04"	8"	18"	3 3/4"	12"	5"	**5,985.00**	**7,215.00**	110
	Adaptor	06"	10 1/2"	20"	4 1/2"	14 1/2"	5"	**8,436.00**	**9,663.00**	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.

FIG. 7220, 7221 DEEP SEAL "P" TRAPS W/FEMALE THREADED INLET AND OUTLET (7220) OR MALE THREADED INLET AND FEMALE THREADED OUTLET (7221)

OPTIONS:		ADD
-BP	Bronze Cleanout Plug	N/C
-FC	Flushing Connection	130.00
-P	Trap Primer Conn	39.00

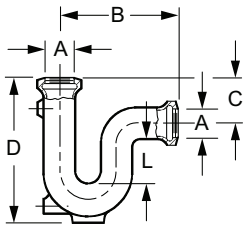


Fig. 7220

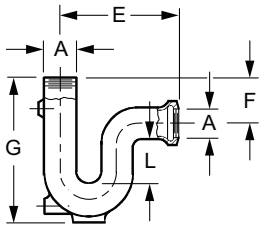


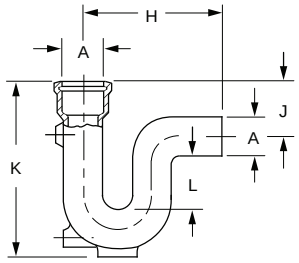
Fig. 7221

A OUTLET SIZE	B	C	D	E	F	G	L SEAL	†DUCO CI	GALV CI	ARC CI INSIDE	ALL BRONZE (-BB)	APPROX. WEIGHT LBS
02"	6 1/4"	2 3/4"	10"	6 1/4"	2 3/4"	10"	4"	**793.00**	**979.00**	**1,025.00**	**POA**	10
03"	8"	3"	13"	8"	3"	13"	5"	**1,101.00**	**1,289.00**	**1,334.00**	**POA**	20
04"	9 3/4"	4 1/4"	15 1/2"	9 3/4"	6"	17 1/2"	5"	**1,530.00**	**1,791.00**	**1,838.00**	**POA**	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	**N/C**
-FC	Flushing Connection	**130.00**
-P	Trap Primer Conn	**39.00**
-Y	No-Hub Adaptor	**See Fig. 2646Y**

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"	**793.00**	**979.00**	**1,025.00**	**POA**	10
03"	11 1/2"	4 1/2"	14 1/2"	5"	**1,101.00**	**1,289.00**	**1,334.00**	**POA**	20
04"	14 3/4"	7"	18 1/2"	5"	**1,530.00**	**1,791.00**	**1,838.00**	**POA**	33

REGULARLY FURNISHED: Duco Cast Iron Trap.

FIG. 7230, 7231, 7232 DEEP SEAL TRAP WITH FLOOR CLEANOUT

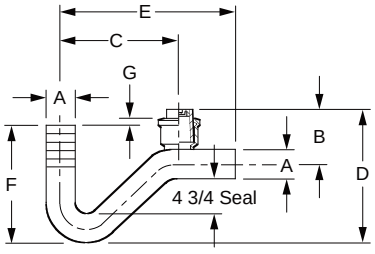


Fig. 7230

Adjustable Housing
With Tractor Cover

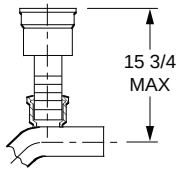


Fig. 7231

Extension Ferrule
With Cleanout Plug

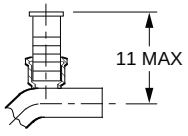


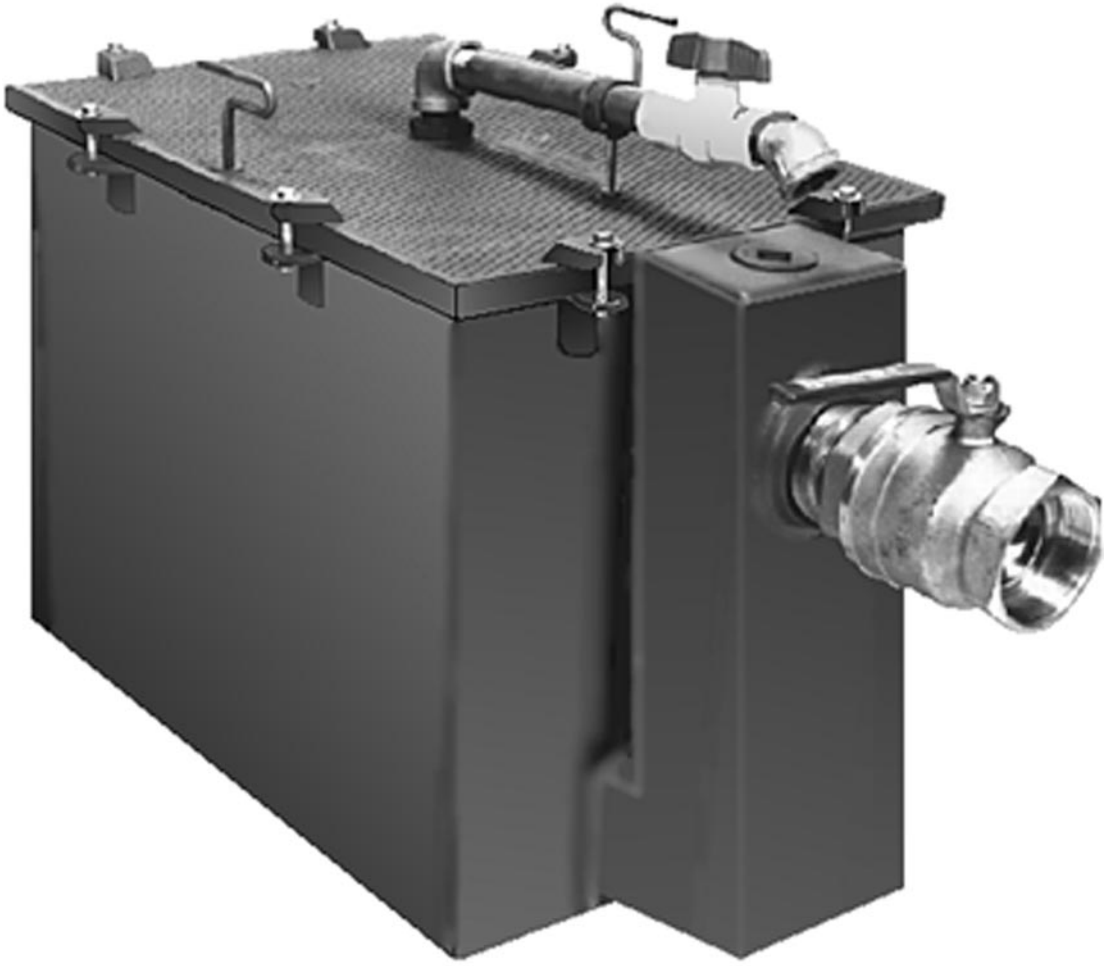
Fig. 7232

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"	**1,018.00**	**1,469.00**	37
	03"	7 3/4"	14 1/2"	15 3/4"	21 3/4"	14"	3/4"	**1,224.00**	**1,706.00**	37
	04"	8 1/2"	14 1/2"	18 1/2"	21 1/2"	16"	1 1/4	**1,491.00**	**1,972.00**	42
7231	02"	6"	11"	13 3/4"	16 1/2"	12 1/2"	1/4"	**1,503.00**	**1,951.00**	56
	03"	7 3/4"	14 1/2"	15 3/4"	21 3/4"	14"	3/4"	**1,886.00**	**2,336.00**	56
	04"	8 1/2"	14 1/2"	18 1/2"	21 1/2"	16"	1 1/4"	**2,193.00**	**2,644.00**	58
7232	02"	6"	11"	13 3/4"	16 1/2"	12 1/2"	1/4"	**1,167.00**	**1,618.00**	43
	03"	7 3/4"	14 1/2"	15 3/4"	21 3/4"	14"	3/4"	**1,412.00**	**1,863.00**	43
	04"	8 1/2"	14 1/2"	18 1/2"	21 1/2"	16"	1 1/4"	**1,725.00**	**2,176.00**	70

REGULARLY FURNISHED: Duco Cast Iron Body and Ferrule with Bronze Cleanout Plug.

†REGULARLY FURNISHED

NOTES



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

*All variation suffixes are to be shown in parenthesis.

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.

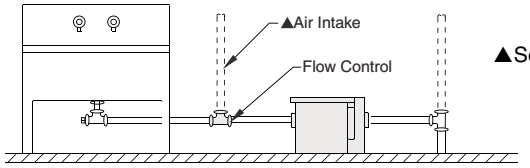
Interceptors have an air relief to eliminate the possibility of siphonage, and are furnished with a separate flow control device to insure the interceptor will function within its rated capacity.

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.

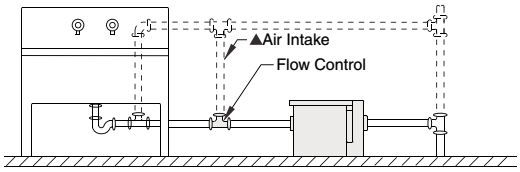
HOW THE INTERCEPTOR OPERATES
Water draining to the interceptor passes through a flow control fitting which regulates the velocity of the water to the capacity of the interceptor. As the water enters the interceptor at this controlled rate of flow it is free of turbulence. It then passes over a series 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 x 24 x 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 x 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.

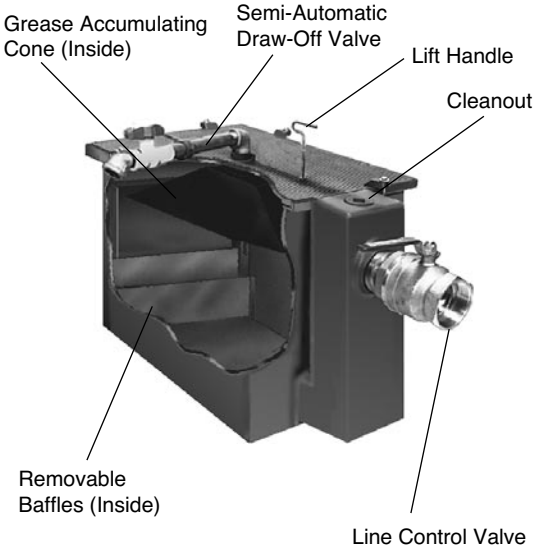


Fig. 8000GT

Cleaning Operation 8000 GT Series

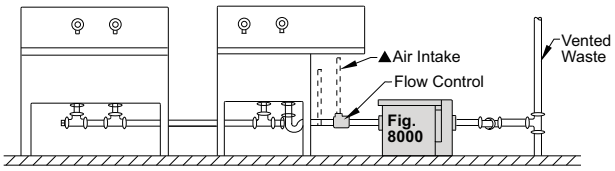
1. Unit in normal use has the line control valve open and semi-automatic draw-off valve closed. When cleaning is required, run a full stream of hot water through interceptor. It is preferable to have this water at 140° or higher, running for a period of at least two minutes.
2. Turn off hot water running 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

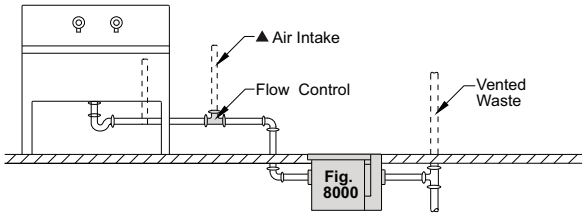
It is sometimes practical to discharge the waste from two or more sinks into a single Interceptor. This practice is only recommended when all fixtures are close together, avoiding installation of long piping runs to the Interceptor. For multiple installations, size as follows:

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.

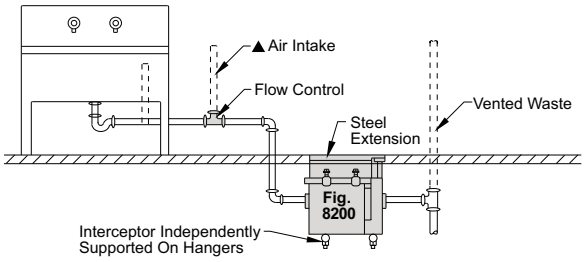


ON FLOOR INSTALLATION

▲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

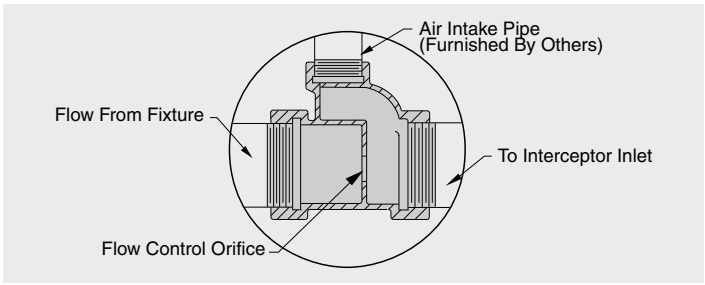
The Extension of 8200 Series Interceptors is designed to increase the roughing dimension from the Inlet-Outlet center line to the finished floor. The Extension should not be used to support the entire unit. When installed in ground floor locations, the Interceptor body must rest on solid ground or on 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

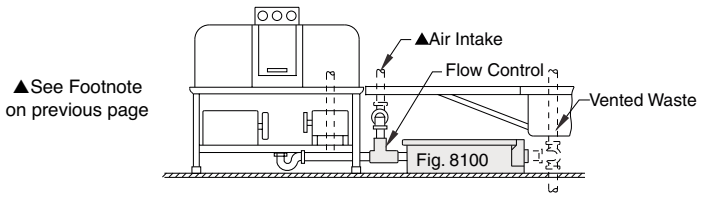


MAINTENANCE

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.

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

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.

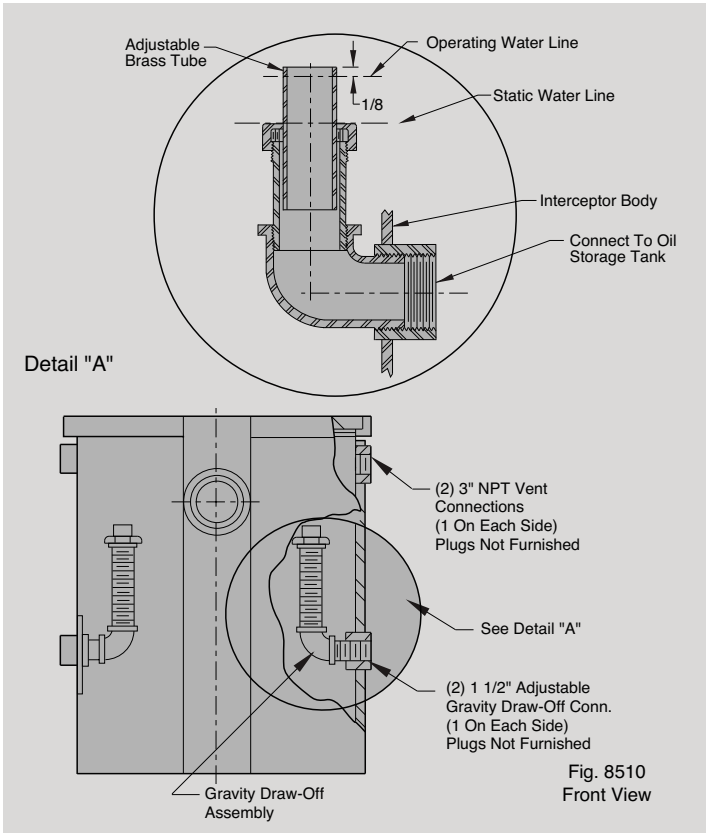
The interceptor is installed between the drain and the sanitary system so the liquids passing through the interceptor are trapped and separated by gravity through a baffle arrangement and are then diverted to an accumulator chamber and removed through the gravity draw-off built into the interceptor. 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.

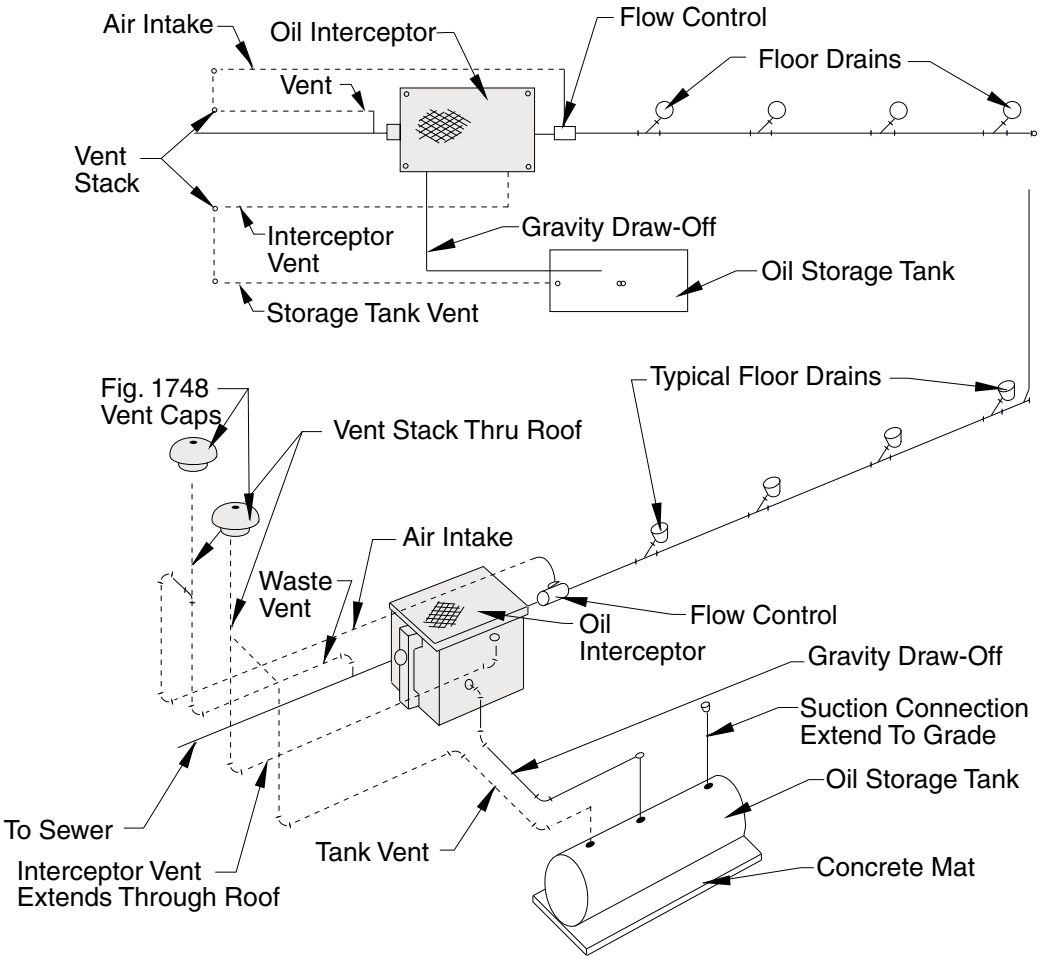
A SMITH Oil Interceptor is sized in accordance with maximum anticipated gallon per minute flow rate of water that would be discharged through the drains it serves. A flow control fitting of the exact gallon per minute interceptor rating insures maximum oil interception efficiency.

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

FIG. 8000 SERIES LARGE CAPACITY STEEL GREASE INTERCEPTORS

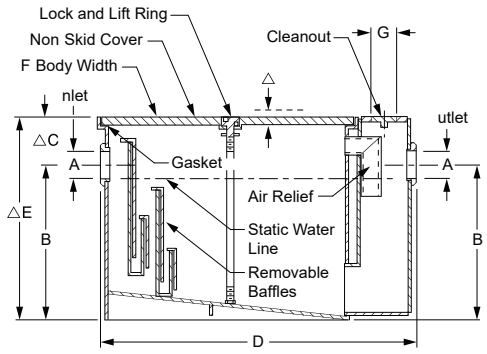


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Fig. 0 0

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 **144.00**

If purchasing the extension alone, contact engineering to determine if cover is also needed:

	LIST
8210E06	1,326.00
8215E06	1,335.00
8220E06	1,450.00
8225E06	1,491.00
8235E06	1,608.00
8250E06	1,634.00

Δ NOTE: When tile or Terrazzo top is specified, add 1 1/4".
Please refer to submittal for additional notes.

Figs. 8007 thru 8050 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

FIGURE NO.	GPM FLOW RATE	MIN. GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM B	C	D	BODY E HEIGHT	F WIDTH	C.O PLUG SIZE G	†DUCO INSIDE AND OUTSIDE	DUCO W/ARC INSIDE OR OUTSIDE	W/ARC INSIDE AND OUTSIDE	ADD FOR: LIFT OUT SEDIMENT BKT (-B)	H20 COVER	ALUM COVER (-AC)	COVER RECESSED FOR TILE (-TC)/ TERRAZZO (-QC)	APPROX. WT. LBS.
8004	4	8	02"	7 3/4"	3 1/4"	16 3/4"	11"	9"	2"	**2,633.00**	**5,824.00**	**6,120.00**	**1,684.00**	**2,279.00**	**1,799.00**	–	68
8007	7	14	02"	8 1/2"	3 1/2"	19"	12"	10"	2"	**2,633.00**	**6,815.00**	**7,122.00**	**1,684.00**	**2,279.00**	**1,799.00**	–	79
8010	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13"	11 1/2"	2"	**2,891.00**	**7,610.00**	**7,937.00**	**1,684.00**	**2,550.00**	**1,799.00**	**4,829.00**	115
8015	15	30	02"	12"	3 1/2"	25"	15 1/2"	13 1/2"	2"	**3,144.00**	**9,773.00**	**10,204.00**	**1,684.00**	**2,819.00**	**1,799.00**	**5,862.00**	120
8020	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	**3,964.00**	**11,203.00**	**11,800.00**	**1,729.00**	**2,819.00**	**2,348.00**	**6,556.00**	125
8025	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	**4,865.00**	**12,284.00**	**14,495.00**	**1,826.00**	**2,819.00**	**2,348.00**	**7,576.00**	130
8035	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	**5,700.00**	**14,495.00**	**15,301.00**	**1,953.00**	**4,026.00**	**2,348.00**	**9,303.00**	155
8050	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	**6,177.00**	**19,133.00**	**20,212.00**	**2,920.00**	**4,026.00**	**2,348.00**	**12,932.00**	195
LOW TYPE																	
8120	20	40	03"	7"	3 1/2"	38 1/2"	10 1/2"	21 3/4"	2"	**6,016.00**	**13,729.00**	**14,458.00**	**1,337.00**	–	**2,348.00**	**14,006.00**	145
8135	35	70	03"	7"	4 3/4"	49 1/2"	11 3/4"	27 3/4"	2"	**6,788.00**	**17,079.00**	**18,161.00**	**1,838.00**	–	**2,348.00**	**18,629.00**	222
8150	50	100	03"	10"	6"	49 1/2"	16"	27 3/4"	2"	**8,823.00**	**27,164.00**	**28,647.00**	**1,893.00**	–	**2,348.00**	**23,967.00**	343

*Available with **one** size larger inlet and outlet when specified. No charge.

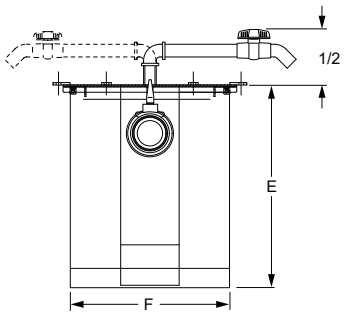
REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.

FIG. P500 SERIES GREASE INTERCEPTORS

FIGURE NO.	GPM FLOW RATE	GREASE CAP. LBS.	PIPE SIZE A	DUCO COAT INSIDE AND OUTSIDE NO-HUB
P500-004	4	8	02"	**2,164.00**
P500-007	7	14	02"	**2,344.00**
P500-010	10	20	02"	**2,538.00**
P500-015	15	30	02"	**2,883.00**
P500-020	20	40	03"	**3,444.00**
P500-025	25	50	03"	**3,769.00**
P500-035	35	70	03"	**4,156.00**
P500-050	50	100	03"	**5,097.00**
LOW TYPE				
P500-L20	20	40	03"	**5,226.00**
P500-L35	35	70	03"	**5,835.00**
P500-L50	50	100	03"	**7,812.00**

FIGURE NO.	GPM FLOW RATE	GREASE CAP. LBS.	PIPE SIZE A	DUCO COAT INSIDE AND OUTSIDE NO-HUB
P500-004-GT	4	8	02"	**3,222.00**
P500-007-GT	7	14	02"	**3,835.00**
P500-010-GT	10	20	02"	**4,131.00**
P500-015-GT	15	30	02"	**4,425.00**
P500-020-GT	20	40	03"	**4,722.00**
P500-025-GT	25	50	03"	**5,364.00**
P500-035-GT	35	70	03"	**6,490.00**
P500-050-GT	50	100	03"	**7,252.00**
LOW TYPE				
P500-L20-GT	20	40	03"	**9,391.00**
P500-L35-GT	35	70	03"	**10,608.00**
P500-L50-GT	50	100	03"	**11,772.00**

†REGULARLY FURNISHED



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OPTIONS: **ADD**

With Bronze Line Shut-off Valve ..... **POA**

Y No-Hub Adaptor (2 req'd) ..... **See Fig. 2646Y**

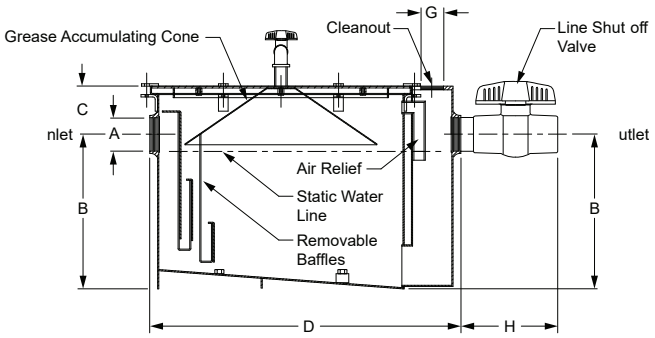

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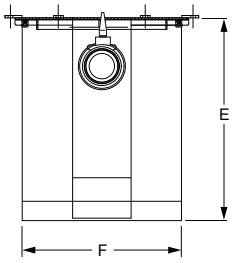
Fig. 0 5

FIGURE NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM B	ROUGHING DIM C	ROUGHING DIM D	BODY E HEIGHT	BODY F WIDTH	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.
8007GT	07	14	02"	8 1/2"	3 1/4"	19"	12"	10 3/4"	2"	6 3/4"	**6,027.00**	**12,579.00**	**16,320.00**	95
8010GT	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	6 3/4"	**6,490.00**	**14,205.00**	**18,025.00**	110
8015GT	15	30	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	6 3/4"	**6,955.00**	**15,511.00**	**19,566.00**	145
8020GT	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	10"	**7,419.00**	**19,335.00**	**23,791.00**	130
8025GT	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	10"	**8,429.00**	**21,750.00**	**26,925.00**	150
8035GT	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	10"	**10,199.00**	**22,372.00**	**27,452.00**	180
8050GT	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	10"	**11,397.00**	**24,987.00**	**33,973.00**	205
8075GT	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	12 3/4"	**19,471.00**	**27,653.00**	**34,929.00**	250
LOW TYPE														
8120GT	20	40	03"	7"	3 1/2"	38 1/2"	10 1/2"	21 3/4"	2"	10"	**15,779.00**	**21,556.00**	**26,534.00**	140
8135GT	35	70	03"	7"	4 3/4"	49 1/2"	11 3/4"	27 3/4"	2"	10"	**22,242.00**	**28,616.00**	**33,974.00**	188
8150GT	50	100	03"	10"	6"	49 1/2"	16"	27 3/4"	2"	10"	**27,284.00**	**34,225.00**	**41,620.00**	213

*Available with larger inlet and outlet when specified. **(Call 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.

FIG. 8000GTX SERIES STEEL GREASE INTERCEPTORS W/SEMI-AUTOMATIC DRAW-OFF FOR RECESSED INSTALLATION



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OPTIONS: **ADD**

With Bronze Line Shut-off Valve.....**POA**

Y No-Hub Adaptor (2 req'd) .....**See Fig. 2646Y**

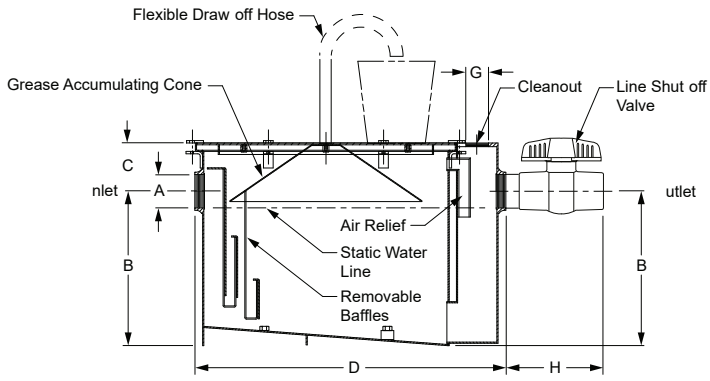

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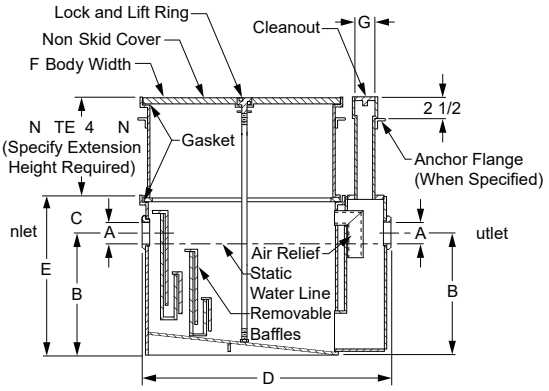
FIGURE NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM B	C	D	BODY E HEIGHT	F WIDTH	C.O PLUG SIZE G	LINE SHUT-OFF VALVE H	†DUCO COAT INSIDE AND OUTSIDE	W/ARC INSIDE OR OUTSIDE	W/ARC INSIDE AND OUTSIDE	APPROX. WT. LBS.
8007GTX	07	14	02"	8 1/2"	3 1/4"	19"	12"	10 3/4"	2"	6 3/4"	**6,027.00**	**12,579.00**	**16,320.00**	95
8010GTX	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	13"	2"	6 3/4"	**6,490.00**	**14,205.00**	**18,025.00**	110
8015GTX	15	30	02"	12"	3 1/2"	25"	15 1/2"	14"	2"	6 3/4"	**6,955.00**	**15,511.00**	**19,566.00**	145
8020GTX	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	10"	**7,419.00**	**19,335.00**	**23,791.00**	130
8025GTX	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	10"	**8,429.00**	**21,750.00**	**26,925.00**	150
8035GTX	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	10"	**10,199.00**	**22,372.00**	**27,452.00**	180
8050GTX	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	10"	**11,397.00**	**24,987.00**	**33,973.00**	205
8075GTX	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	12 3/4"	**19,471.00**	**27,653.00**	**34,929.00**	250
LOW TYPE														
8120GTX	20	40	03"	7"	3 1/2"	38 1/2"	10 1/2"	21 3/4"	2"	10"	**15,779.00**	**21,556.00**	**26,534.00**	140
8135GTX	35	70	03"	7"	4 3/4"	49 1/2"	11 3/4"	27 3/4"	2"	10"	**22,242.00**	**28,616.00**	**33,974.00**	188
8150GTX	50	100	03"	10"	6"	49 1/2"	16"	27 3/4"	2"	10"	**27,284.00**	**34,225.00**	**41,620.00**	213

*Available with larger inlet and outlet when specified. **(Call 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.

INTERCEPTORS

FIG. 8200 SERIES STEEL GREASE INTERCEPTORS WITH EXTENSION**



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OPTIONS: **ADD**

Y	No-Hub Adaptor (2 req'd)	**See Fig. 2646Y**
-Z	Enzyme Opening in Cover	**144.00**

Start with the buckets.
wrong on spreadsheet

Figs. 8210 thru 8250 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

FIGURE NO.	GPM FLOW RATE	GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM B	ROUGHING DIM C	ROUGHING DIM D	BODY E HEIGHT	BODY F WIDTH	C.O PLUG SIZE G	W/4 TO 6" EXTENSION †DUCO INSIDE AND OUTSIDE	ADD FOR: **EACH 1" OF EXTENSION OVER 6"	ADD FOR: ANCHOR FLANGE (-F)	ADD FOR: FLASHING FLANGE AND CLAMP (-F-C)	ADD FOR: LIFT OUT SEDIMENT BKT (-B)	ADD FOR: H20 COVER	ADD FOR: ALUM COVER (-AC)	ADD FOR: COVER RECESSED FOR TILE (-TC)/ TERRAZZO (-QC)	APPROX. WT. LBS.
8210	10	20	02"	9 1/2"	3 3/4"	21 1/4"	13 1/4"	11 1/2"	2"	**4,217.00**	**124.00**	**1,314.00**	**1,618.00**	**1,684.00**	**2,549.00**	**1,799.00**	**POA**	180
8215	15	30	02"	12"	3 1/2"	25"	15 1/2"	13 1/2"	2"	**4,479.00**	**124.00**	**1,314.00**	**1,618.00**	**1,684.00**	**2,819.00**	**1,799.00**	**POA**	184
8220	20	40	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	**5,412.00**	**166.00**	**1,314.00**	**1,618.00**	**1,684.00**	**2,819.00**	**2,348.00**	**POA**	211
8225	25	50	03"	15 1/4"	4 1/2"	30"	19 3/4"	16 3/4"	2"	**6,353.00**	**220.00**	**1,314.00**	**1,618.00**	**1,826.00**	**2,819.00**	**2,348.00**	**POA**	230
8235	35	70	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	**7,310.00**	**294.00**	**1,314.00**	**1,618.00**	**1,953.00**	**4,026.00**	**2,348.00**	**POA**	265
8250	50	100	03"	17 1/2"	6 3/4"	35 1/2"	24 1/4"	20 3/4"	2"	**7,811.00**	**331.00**	**1,314.00**	**1,618.00**	**2,920.00**	**4,026.00**	**2,348.00**	**POA**	289

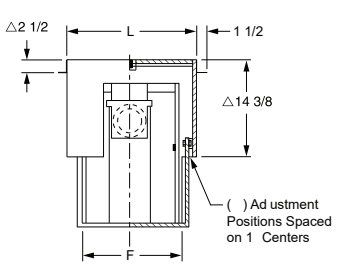
*Available with one size larger inlet and outlet when specified. No charge.
Specify Extension height when ordering, measuring from top of interceptor to top of extension.
** For any fraction of an inch, go to next inch for pricing. (Example: 11 1/2", price for 12")

REGULARLY FURNISHED: Steel Interceptor and Extension with Gray Duco Coating Inside and Outside and Flow Control Fitting.

FIG. 8300 SERIES STEEL GREASE INTERCEPTORS WITH RECEIVING CRADLE

OPTIONS: **ADD**

-AC	Aluminum Cover on Interceptor	**POA**
-ACC	Aluminum Cover on Cradle	**POA**
Y	No-Hub Adaptor (2 req'd)	**See Fig. 2646Y**



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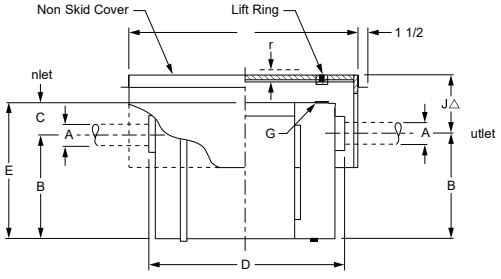

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Fig. 5

Figs. 8007 thru 8050 carry the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

△**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 B	ROUGHING DIM C	ROUGHING DIM D	BODY E HEIGHT	BODY F WIDTH	C.O. PLUG SIZE G	CRADLE DIM J△ MIN	CRADLE DIM J△ MAX	CRADLE DIM K LENGTH	CRADLE DIM L WIDTH	CRADLE DIM M	†DUCO COAT INSIDE AND OUTSIDE	INTERC. •▲ w/ARC IN OR OUT -ARI	INTERC. •▲w/ARC IN AND OUT -ARIO	ADD FOR: ▲ -ARC (CRADLE)	ADD FOR: LIFT OUT SEDIMENT BKT (-B)	ADD FOR: DRIP PAN (-W)	APPROX. WT. LBS.
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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	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"	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	**POA**	410

*Available with one size larger inlet and outlet when specified. No charge.
•Acid Resistant Coating on Interceptor only.
▲When Acid Resistant Coating on Cradle is needed, -ARC must also be specified.

REGULARLY FURNISHED: Steel Interceptor and Receiving Cradle with Gray Duco Coating Inside and Outside and Flow Control Fitting.

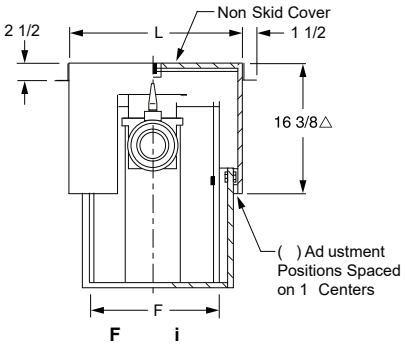
FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

†REGULARLY FURNISHED

FIG. 8300GT SER. STEEL GREASE INTERCEPTORS W/SEMI-AUTOMATIC DRAW-OFF & RECEIVING CRADLE

OPTIONS: **ADD**

-AC	Aluminum Cover on Interceptor	**POA**
-ACC	Aluminum Cover on Cradle	**POA**
Y	No-Hub Adaptor (2 req'd)	**See Fig. 2646Y**
	With Bronze Line Shut-off Valve	**POA**



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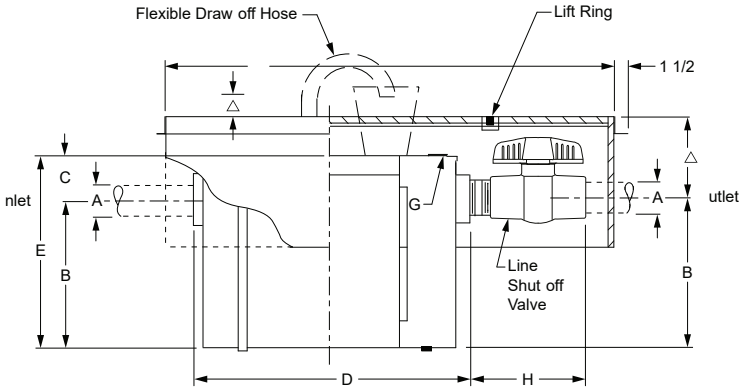

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Fig. 5

Δ 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 B	ROUGHING DIM C	ROUGHING DIM D	BODY E HEIGHT	BODY F WIDTH	C.O. PLUG SIZE G	LINE SHUT-OFF VALVE H	CRADLE DIM J△ MIN	CRADLE DIM J△ MAX	CRADLE DIM **K LENGTH	CRADLE DIM L WIDTH	M	†DUCO COAT INSIDE AND OUTSIDE	INTERC. •▲w/ARC IN OR OUT -ARI	INTERC. •▲w/ARC IN AND OUT -ARIO	ADD FOR: ▲ -ARC (CRADLE)	ADD FOR: DRIP PAN (-W)	APPROX. WT. LBS.
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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	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"	POA	POA	POA	POA	POA	419

•Acid Resistant Coating on **Interceptor only**.
**When specifying a larger Inlet & Outlet size, the "K" dimension must be increased.
▲ When Acid Resistant Coating on Cradle is needed, -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.

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

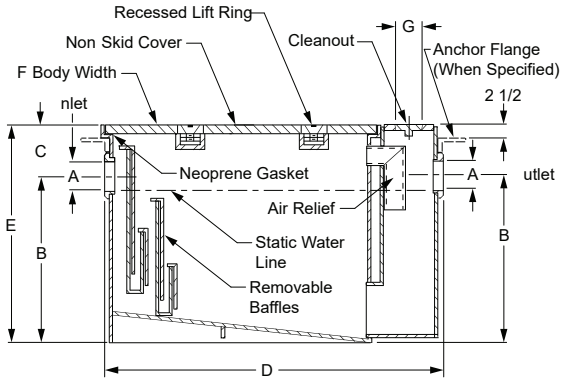

Fig. 50

OPTIONS: **ADD**

-AC	Aluminum Cover on Interceptor	**POA**
Y	No-Hub Adaptor (2 req'd)	**See Fig. 2646Y**
	Inlet & Outlet, **One** Size Larger	661.**00**

▲Fig. 8450 carries the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

FIGURE NO.	GPM FLOW RATE	MIN. GREASE CAP. LBS.	INLET & OUTLET SIZE A*	ROUGHING DIM B	C	D	BODY E HEIGHT	F WIDTH	C.O. PLUG SIZE G	†DUCO COAT	ADD FOR: H20 COVER	ANCHOR FLANGE (-F)	FLASHING FLANGE AND CLAMP (-FC)	SEDIMENT BKT (-B)	APPROX. WT. LBS.
▲8450	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	**10,717.00**	**7,106.00**	**1,630.00**	**1,971.00**	**POA**	400
8460	100	200	04"	27"	16 1/2"	54"	43 1/2"	33 1/2"	3"	**13,948.00**	**7,106.00**	**1,630.00**	**1,971.00**	**POA**	600
8465	150	300	05"	33"	17 1/2"	60 3/4"	50 1/2"	38 1/2"	4"	**18,736.00**	**7,242.00**	**1,630.00**	**1,971.00**	**POA**	750
8470	200	400	05"	37"	17 1/2"	67 3/4"	54 1/2"	43 1/2"	4"	**22,510.00**	**7,777.00**	**1,630.00**	**1,971.00**	**POA**	1,200
8475	250	500	05"	40"	18"	73 3/4"	58"	47 1/2"	4"	**26,012.00**	**7,941.00**	**1,630.00**	**1,971.00**	**POA**	1,500
8480	350	700	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	**37,600.00**	**9,120.00**	**1,630.00**	**1,971.00**	**POA**	1,900
8490	500	1000	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	**49,648.00**	**10,056.00**	**1,630.00**	**1,971.00**	**POA**	2,400

*Available with larger inlet and outlet when specified.

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 for pricing.

FIG. 8400E SERIES LARGE CAPACITY STEEL GREASE INTERCEPTORS W/INTEGRAL EXTENSION

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CUSTOMER DRIVEN SINCE 1926

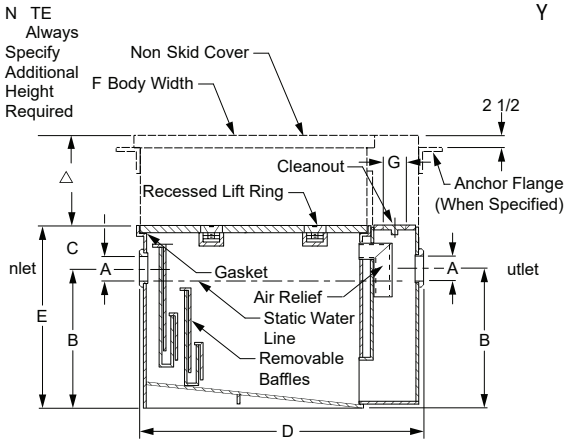

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Fig. 50

OPTIONS: **ADD**

-AC Aluminum Cover on Interceptor ..... **POA**

Y No-Hub Adaptor (2 req'd) ..... **See Fig. 2646Y**

Inlet & Outlet, **One** Size Larger..... **661.00**

▲Fig. 8450E carries the Plumbing and Drainage Institute Certification Seal Certifying conformance to Grease Interceptor Standard PDI-G101.

INTERCEPTORS

FIGURE NO.	GPM FLOW RATE	MIN. GREASE CAP. LBS.	INLET & OUTLET SIZE A	ROUGHING DIM B	C	D	BODY E HEIGHT	F WIDTH	C.O. PLUG SIZE G	†Δ DUCO COAT W/ UP TO 10" EXT.	ADD FOR: **EACH ADD'L 1" OF EXT.	H20 COVER	ANCHOR FLANGE (-F)	FLASHING FLANGE AND CLAMP (-FC)	SEDIMENT BKT (-B)	APPROX. WT. LBS.
▲8450E	75	150	04"	21 1/2"	15 1/2"	50"	37"	30 1/2"	3"	**11,932.00**	**432.00**	**7,106.00**	**1,630.00**	**1,971.00**	**POA**	500
8460E	100	200	04"	27"	16 1/2"	54"	43 1/2"	33 1/2"	3"	**15,599.00**	**432.00**	**7,106.00**	**1,630.00**	**1,971.00**	**POA**	720
8465E	150	300	05"	33"	17 1/2"	60 3/4"	50 1/2"	38 1/2"	4"	**20,393.00**	**507.00**	**7,242.00**	**1,630.00**	**1,971.00**	**POA**	885
8470E	200	400	05"	37"	17 1/2"	67 3/4"	54 1/2"	43 1/2"	4"	**24,479.00**	**554.00**	**7,777.00**	**1,630.00**	**1,971.00**	**POA**	1,355
8475E	250	500	05"	40"	18"	73 3/4"	58"	47 1/2"	4"	**27,983.00**	**644.00**	**7,941.00**	**1,630.00**	**1,971.00**	**POA**	1,670
8480E	350	700	05"	43 1/2"	18"	85 3/4"	61 1/2"	54 1/2"	4"	**39,570.00**	**719.00**	**9,120.00**	**1,630.00**	**1,971.00**	**POA**	2,105
8490E	500	1000	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	**52,182.00**	**1,027.00**	**10,056.00**	**1,630.00**	**1,971.00**	**POA**	2,635

*Available with larger inlet and outlet when specified.

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")

NOTE: 2" min. extension available. Anchor flange and 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.

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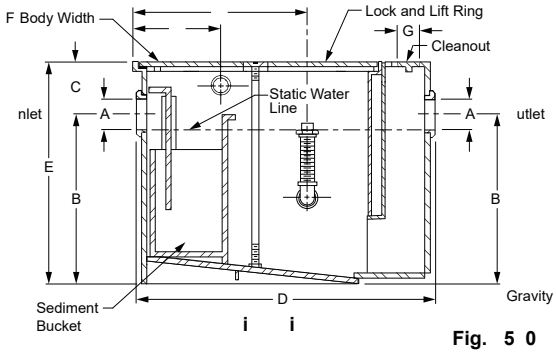
CUSTOMER DRIVEN SINCE 1926

OPTIONS: **ADD**

Y No-Hub Adaptor (4 req'd) .....**See Fig. 2646Y**
*Inlet & Outlet, One Size Larger.....**661.00**

If purchasing the extension alone, contact engineering to determine if cover is also needed:

	LIST
8510E06	**POA**
8515E06	**POA**
8520E06	**POA**
8525E06	**POA**
8535E06	**POA**
8550E06	**POA**



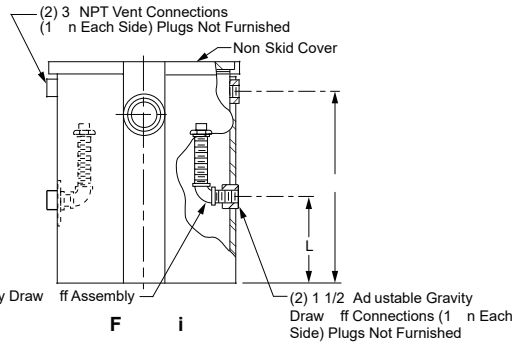
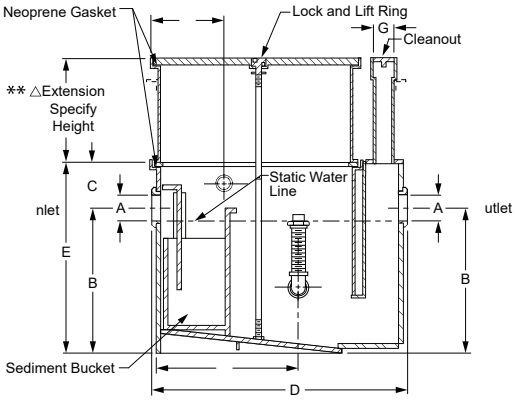


Fig. 5 0



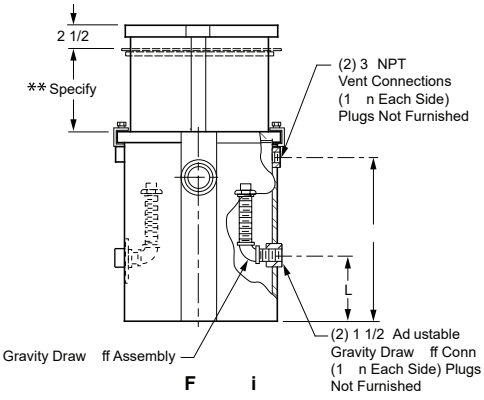


Fig. 5 0

FIG. NO.	GPM FLOW RATE	INLET & OUTLET SIZE A*	ROUGHING DIM B	C	D	BODY E HEIGHT	F WIDTH	C.O. PLUG SIZE G	J	K	L	M	†STEEL DUCO COATED	INTERC. Δ WITH 4 TO 6" EXT (-E) DUCO COATED	ADD FOR: **EA 1" EXT OVER 6"	ANCHOR FLANGE (-F) (W/EXT ONLY)	FLANGE AND FLASH CLAMP (-FC) (W/EXT ONLY)	H20 COVER	ALUM COVER (-AC)	APPROX. WT. LBS.
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"	**4,501.00**	**5,802.00**	**102.00**	**1,530.00**	**1,651.00**	**2,589.00**	**POA**	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"	**4,691.00**	**5,988.00**	**102.00**	**1,530.00**	**1,651.00**	**2,874.00**	**POA**	110
8520	20	03"	13"	4"	28 1/2"	17"	15 3/4"	2"	12"	16 1/2"	4 1/2"	13 1/2"	**5,126.00**	**6,493.00**	**102.00**	**1,530.00**	**1,651.00**	**3,158.00**	**POA**	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"	**6,113.00**	**7,480.00**	**102.00**	**1,530.00**	**1,651.00**	**3,352.00**	**POA**	145
8535	35	03"	16"	5"	32 1/2"	21"	18 1/4"	2"	14 1/2"	21 1/4"	7"	17 1/2"	**6,999.00**	**8,415.00**	**102.00**	**1,530.00**	**1,651.00**	**3,448.00**	**POA**	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"	**7,696.00**	**9,111.00**	**102.00**	**1,530.00**	**1,651.00**	**3,448.00**	**POA**	215

*Available with larger inlet and outlet when specified.
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")

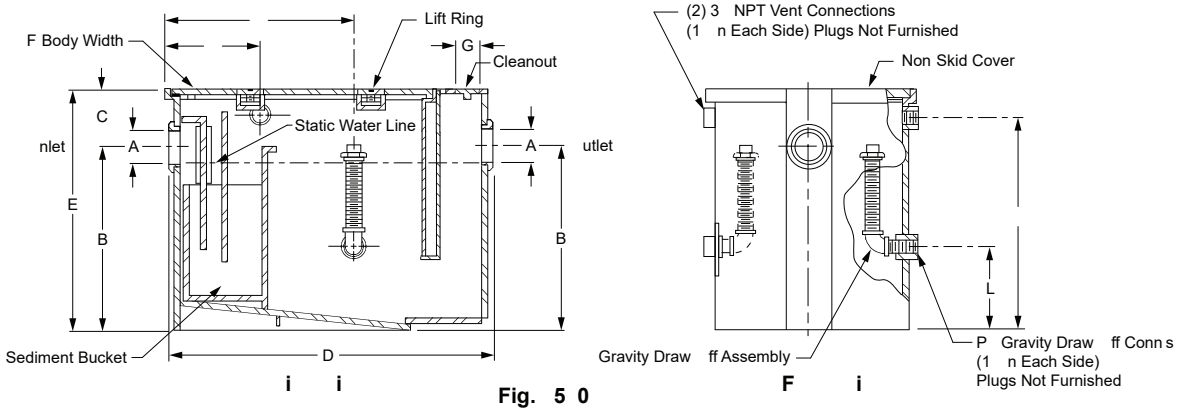
REGULARLY FURNISHED: Fig. 8510, Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.
Fig. 8510E, Steel Interceptor and Extension with Gray Duco Coating Inside and Outside and Flow Control Fitting.

OPTIONS: **ADD**

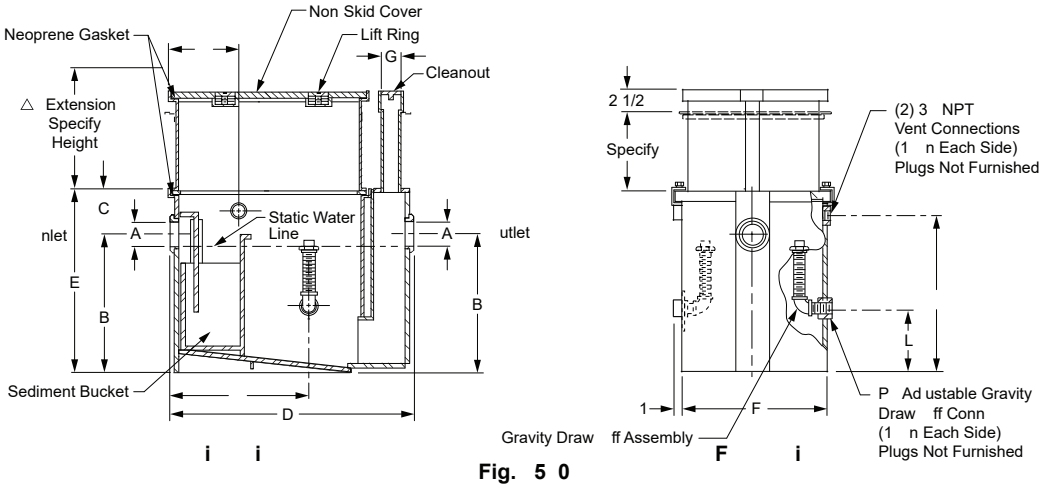
-AC Aluminum Cover on Interceptor ..... **POA**

Y No-Hub Adaptor (4 req'd) ..... **See Fig. 2646Y**

*Inlet & Outlet, One Size Larger **661.00**



i i **Fig. 5 0** **F i**



i i **Fig. 5 0** **F i**

FIGURE NO.	GPM FLOW RATE	INLET & OUTLET SIZE *A	ROUGHING DIM B	ROUGHING DIM C	ROUGHING DIM D	BODY E HEIGHT	BODY F WIDTH	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: **EA 1" EXT. OVER 10"	ADD FOR: H20 COVER	ADD FOR: ANCHOR FLANGE (-F) (W/EXT ONLY)	ADD FOR: FLANGE AND FLASH CLAMP (-FC) (W/EXT ONLY)	APPROX. WT. LBS.
8560	75	04"	21 1/2"	15 1/2"	50 3/4"	37"	30 1/2"	3"	21"	28 1/4"	13"	32 3/4"	2"	**14,981.00**	**16,704.00**	**118.00**	**3,448.00**	**3,448.00**	**3,525.00**	470
8565	100	04"	27"	16 1/2"	54 3/4"	43 1/2"	33 1/2"	3"	23"	30 1/4"	18 1/2"	39 1/4"	2"	**17,778.00**	**19,887.00**	**172.00**	**4,025.00**	**3,448.00**	**3,525.00**	690
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"	**22,757.00**	**24,864.00**	**172.00**	**5,171.00**	**3,448.00**	**3,525.00**	860
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"	**27,564.00**	**29,864.00**	**172.00**	**5,746.00**	**3,448.00**	**3,525.00**	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"	**31,353.00**	**33,845.00**	**172.00**	**8,047.00**	**3,448.00**	**3,525.00**	1,620
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"	**34,346.00**	**36,837.00**	**172.00**	**11,885.00**	**3,448.00**	**3,525.00**	2,030
8590	500	06"	48"	18"	103 1/4"	66"	64 1/2"	5"	46"	62 1/4"	38"	61 3/4"	2 1/2"	**45,991.00**	**48,483.00**	**172.00**	**16,568.00**	**3,448.00**	**3,525.00**	2,540

*Available with larger inlet and outlet when specified.

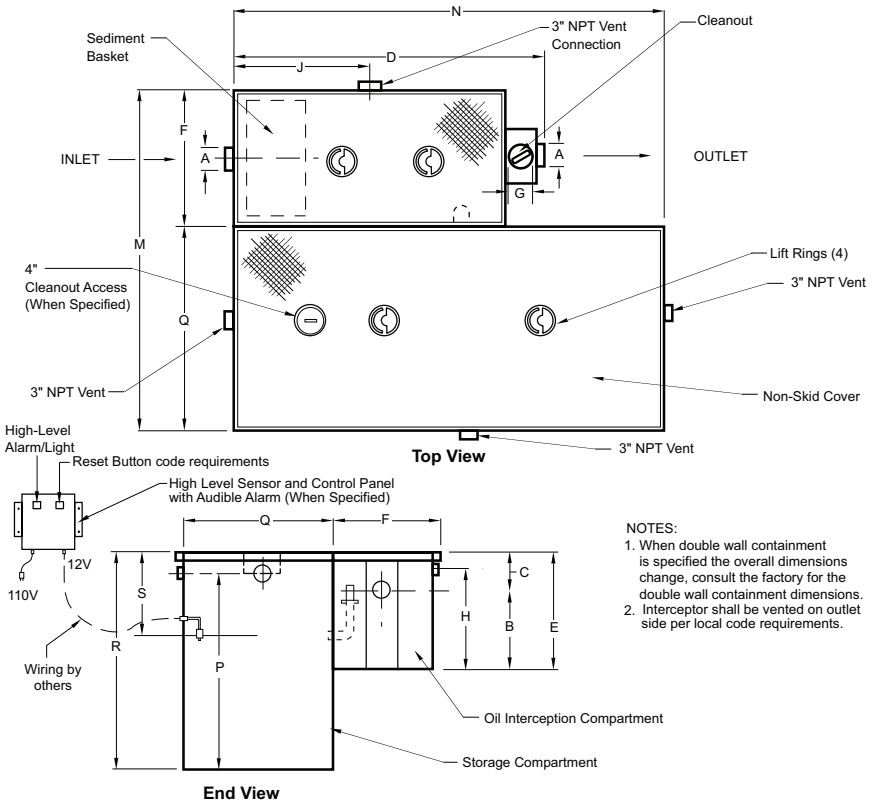
Δ Specify Extension Height when ordering, measuring from top of interceptor to top of extension. Extension regularly furnished integrally.

** For any fraction of an inch, go to next inch for pricing. (Example: 11 1/2", price for 12")

REGULARLY FURNISHED: Steel Interceptor with Gray Duco Coating Inside and Outside and Flow Control Fitting.

OPTIONS: **ADD**

-CBS	High Level Sensor and Control Panel	**POA**
-DWC	Double Wall Containment (Note 1)	**POA**
-H20	Traffic Rated Cover	**POA**
	4" Cleanout Access	**POA**



NOTES:
1. When double wall containment is specified the overall dimensions change, consult the factory for the double wall containment dimensions.
2. Interceptor shall be vented on outlet side per local code requirements.

MODEL NUMBER	OIL INTERCEPTOR COMPARTMENT										STORAGE TANK COMPARTMENT							†FAB STEEL
	GPM	*A	B	C	D	E	F	G	H	J	GALS. CAP.	M	N	P	Q	R	S	COAL TAR EPOXY IN & OUT
● 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**
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**
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**
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**
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**
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**
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	35 1/4"	50 3/4"	56 3/4"	15"	61"	16 3/4"	**POA**
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**
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**
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**
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**
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**
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**
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**
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**
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**
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**

*Available with larger inlet and outlet when specified. ●Recommended for Elevator Pits.

REGULARLY FURNISHED: Fabricated Steel with Diamond Plate Cover, Sediment Basket, Coal Tar Epoxy Inside & Outside, Complete with Flow Control Fitting.

FOR AFTER THE FACT EXTENSIONS (STORAGE TANK ONLY):
Extensions for these interceptors **(after the fact)** will require a new cover as well, please contact Jay R. Smith for pricing.

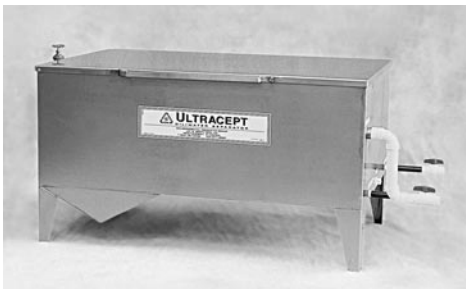
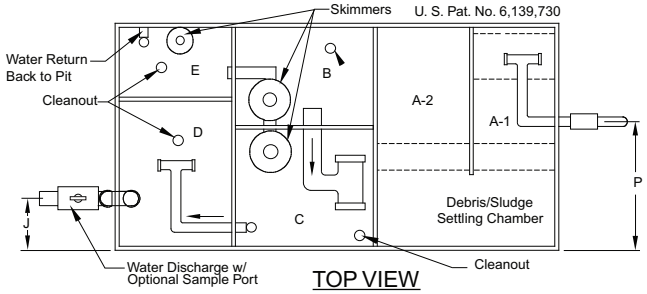


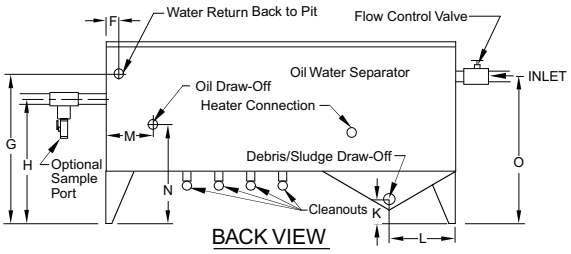
Figure No.	
8602-S	POA
8602-M	POA
8605-S	POA
8605-M	POA

Figure No.	
8610-S	POA
8610-M	POA
8625-S	POA
8625-M	POA
8645-S	POA
8645-M	POA

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



TOP VIEW



BACK VIEW

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

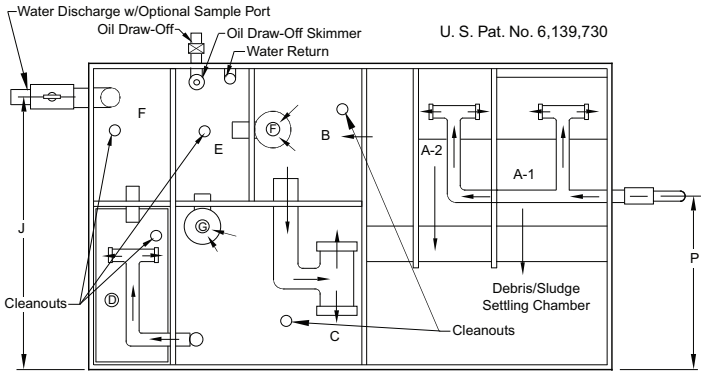
S = Stainless Steel M = Mild Steel

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[3]
8605	5.125	25.7	25.7	2.5	4.47	12.07	12.00	16.7	33.32	18.00	45[3]

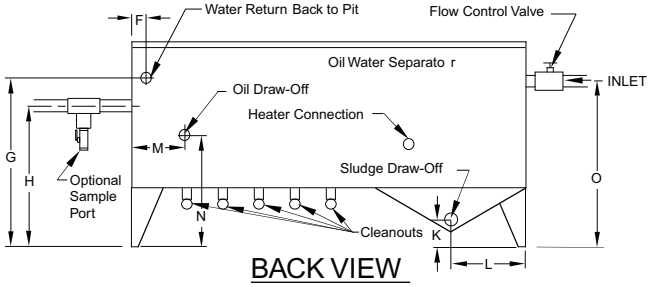
All Cleanouts and Water Return Lines are to be plumbed to a common 3" Line that goes back to Surge Pit. All external plumbing fittings are Sch. 40 PVC unless otherwise specified.

- 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 grate
- 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.



TOP VIEW



BACK VIEW

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

†REGULARLY FURNISHED

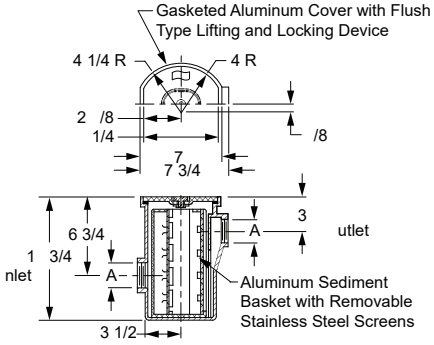


Fig. 0

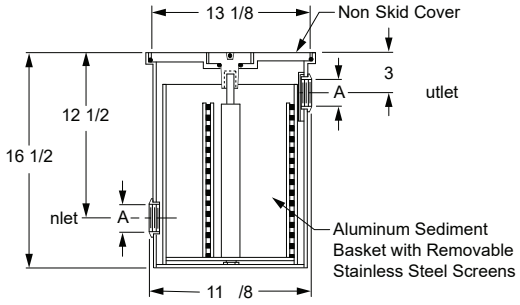


Fig. 5

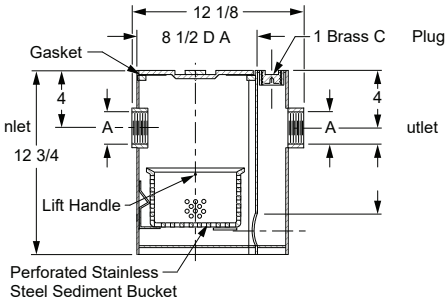


Fig.

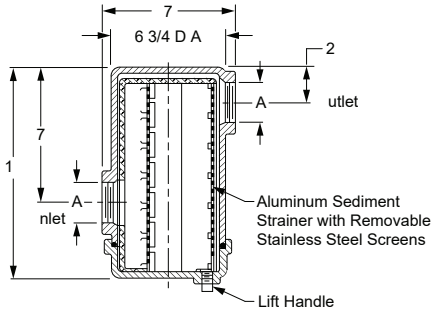


Fig. 0

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"	**1,481.00**	**2,216.00**	**2,216.00**	**POA**	25
8714	0150 or 02"	**1,481.00**	**2,216.00**	**2,216.00**	–	43
8715	0150 or 02"	**4,579.00**	**6,955.00**	**6,955.00**	–	140
SUSPENDED TYPE						
8730	0150 or 02"	**1,481.00**	**2,216.00**	**2,216.00**	**POA**	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.

FIG. 8710-ABS SOLIDS INTERCEPTORS

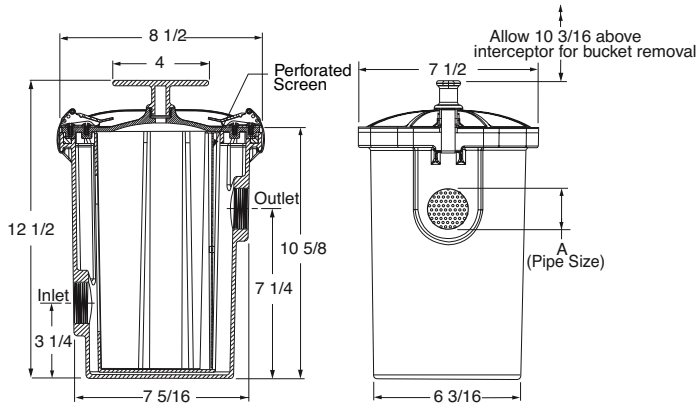
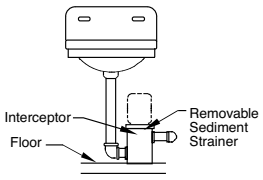


FIGURE NO.	INLET & OUTLET SIZE A	PRICE	APPROX. WEIGHT LBS.
8710-ABS	0150" or 02"	**1,337.00**	4

TYPICAL INSTALLATION



REGULARLY FURNISHED: All ABS White Body, Gasketed Cover with Stainless Steel Latches and Removeable Sediment Bucket with Removeable 3/32 Diameter Perforated Screen.

FIG. 8730-ABS SOLIDS INTERCEPTORS - SUSPENDED TYPE

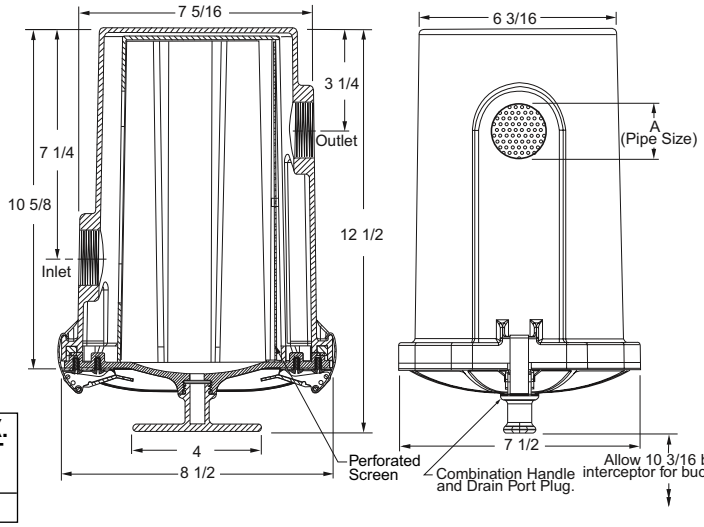
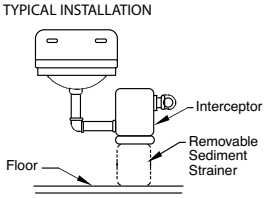


FIGURE NO.	INLET & OUTLET SIZE A	PRICE	APPROX. WEIGHT LBS.
8730-ABS	0150" or 02"	**1,337.00**	4

TYPICAL INSTALLATION



REGULARLY FURNISHED: All ABS White Body, Gasketed Cover with Stainless Steel Latches and Removeable Sediment Bucket with Removeable 3/32 Diameter Perforated Screen.

FIG. 8738 SIDE ACCESS SOLIDS INTERCEPTORS

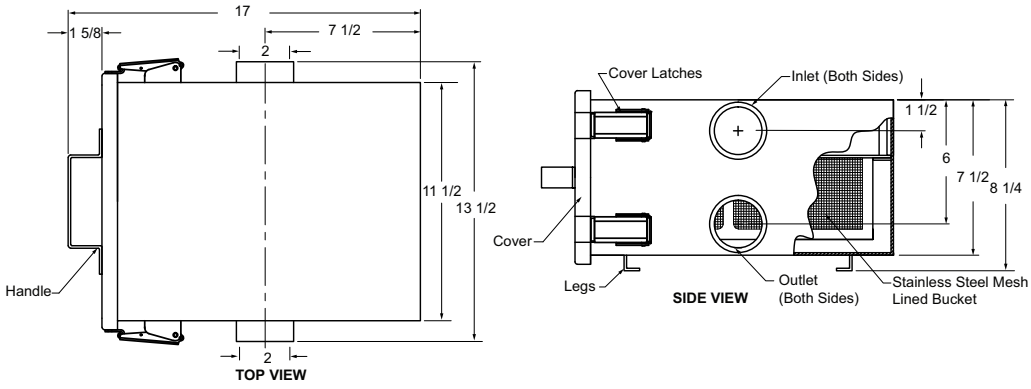


FIGURE NO.	GPM FLOW RATE	INLET & OUTLET SIZE	†FAB STAINLESS STEEL (304)
8738	35	2	**8,424.00**

REGULARLY FURNISHED: Fabricated Type 304 Stainless Steel Solids Interceptor with Dual High Inlet and Dual Low Outlet, Mesh Lined Basket and Gasketed Locking Cover.

FIG. 8750, FIG. 8760 SUSPENDED TYPE HAIR AND LINT SOLIDS INTERCEPTORS

OPTIONS: **ADD**
Replacement SS Sediment Retainer
(with purchase of Interceptor) **253.00**

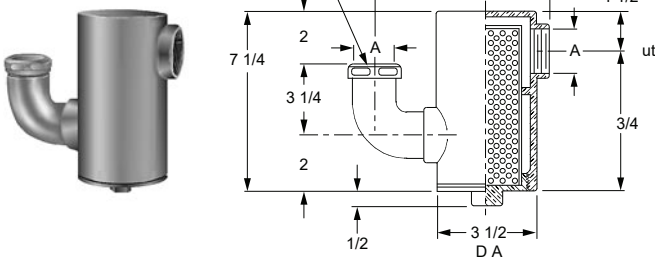


Fig. 50

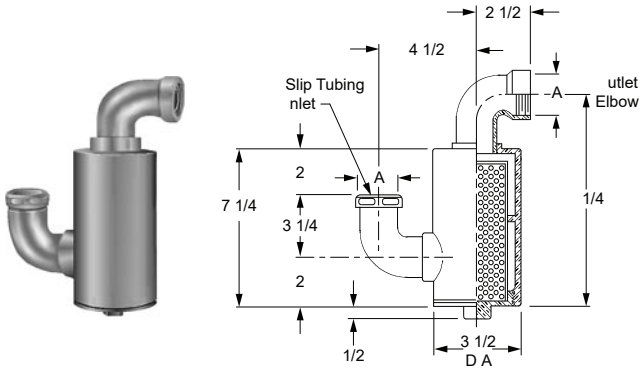


Fig. 0

FIGURE NO.	INLET & OUTLET SIZE A	†CHROME PLATED BRONZE	POLISHED BRONZE (-PB)	CHROME PLATED CAST IRON (-CPCI)	DUCO CAST IRON (-CI)	APPROX. WEIGHT LBS.
8750	0125 or 0150"	**2,725.00**	**1,939.00**	**1,742.00**	**1,110.00**	6
	WITH TOP OUTLET ELBOW					
8760	0125 or 0150"	**3,043.00**	**2,284.00**	**2,165.00**	**1,241.00**	9

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

8790

8795

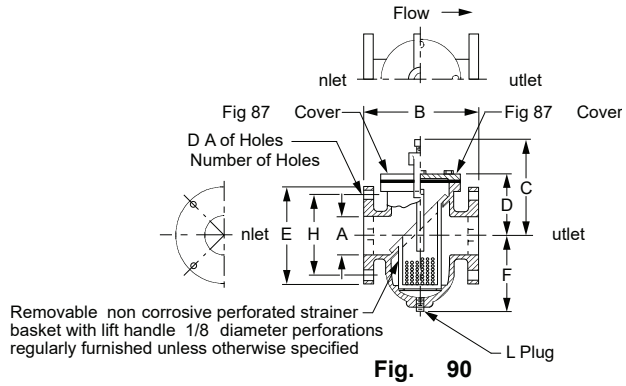


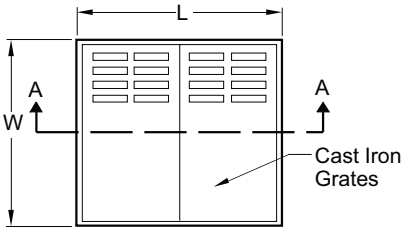
Fig. 90

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	†DUCO 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"	**2,931.00**	**1,441.00**	35
0250"	8 3/4"	7 3/4"	4 3/4"	7"	5 1/2"	5 1/2"	3/4"	4"	3/4"	**3,132.00**	**1,441.00**	40
03"	8 3/4"	7 1/4"	4 1/2"	7 1/2"	6"	6"	3/4"	4"	3/4"	**4,854.00**	**1,441.00**	40
04"	11"	7 1/2"	5"	9"	7 3/4"	7 1/2"	3/4"	8"	3/4"	**6,773.00**	**1,887.00**	60
05"	11"	8 1/4"	5 1/4"	10"	8 1/2"	8 1/2"	7/8"	8"	1 1/4"	**9,192.00**	**2,407.00**	90
06"	15 1/4"	10 3/4"	6 1/2"	11"	12 3/4"	9 1/2"	7/8"	8"	1 1/4"	**11,487.00**	**2,989.00**	130
08"	17"	11"	6 1/2"	13 1/2"	15 1/4"	11 3/4"	7/8"	8"	1 1/4"	**18,649.00**	**4,990.00**	200
10"	21 1/2"	13"	8"	16"	17 1/2"	14 1/4"	1"	12"	1 1/4"	**34,432.00**	**7,010.00**	330

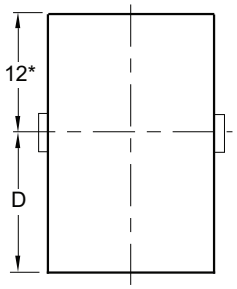
REGULARLY FURNISHED: Duco Coated Body and Cover.

OPTIONS: **ADD**

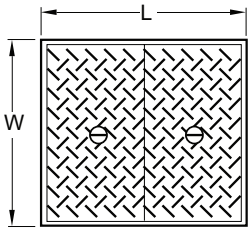
Y No-Hub Adaptor (2 req'd).....**See Fig. 2646Y**



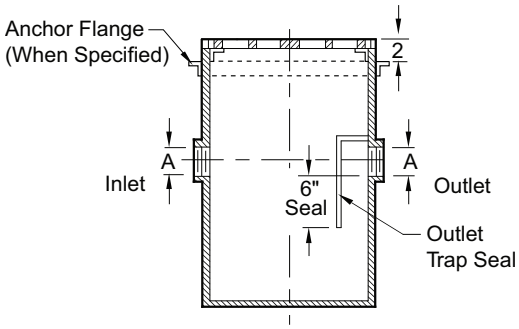
TOP VIEW



FRONT VIEW



TOP VIEW
- SHD OPTION
(Note: Tread Pattern May Vary)



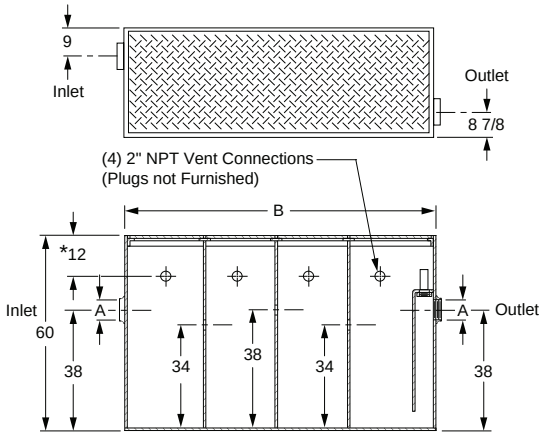
SECTION "A-A"

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 H20 Ductile Iron Slotted Grates, additional supports are furnished under each grate.

FIGURE NO.	GPM FLOW RATE	A PIPE SIZE	L	W	D	CAPACITY GALS	NO. OF 12" X 24" GRATES	†STEEL DUCO COATED	ADD FOR: EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	DUCTILE IRON GRATE (-M)	HEAVY DUTY DIA. PLT CVR (-SHD)	VANDAL PROOF (-U)	APPROX. WEIGHT LBS.
8811-20	20	04"	24 3/8"	24 3/8"	26"	60	2	POA	POA	POA	POA	POA	POA	285
8811-50	50	04"	48 3/8"	48 3/8"	26"	120	4	POA	POA	POA	POA	POA	POA	489
8811-150	150	04"	48 5/8"	49"	38"	360	8	POA	POA	POA	POA	POA	POA	940
8811-250	250	06"	72 5/8"	49"	39"	540	12	POA	POA	POA	POA	POA	POA	1,410
8811-500	500	06"	120 5/8"	49"	51"	1200	20	POA	POA	POA	POA	POA	POA	2,397

REGULARLY FURNISHED: Fabricated Steel Catch Basin, Gray Duco Coated Inside and Outside, Threaded Inlet and Outlet (with Outlet Trap Seal) and Cast Iron Grates.

FIG. 8817 SERIES SAND AND SEDIMENT INTERCEPTORS COAL TAR EPOXY COATED



OPTIONS:

		ADD
-SS	All Stainless Steel	POA
Y	No-Hub Adaptor (4 req'd)	See Fig. 2646Y

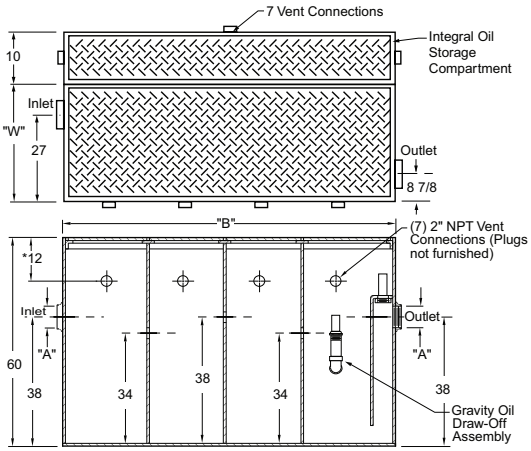
*12" Regularly Furnished -Specify dimension if higher or lower is required.

FIGURE NO.	SIZE (GALLONS)	CUBIC FEET	A PIPE SIZE	WIDTH	B LENGTH	†STEEL ARC COATED	ADD FOR: EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	EXTRA HEAVY DUTY REINF. COVER (-XHD)	ANCHOR FLANGE (-F)	APPROX. WEIGHT LBS.
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.

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 for pricing.

FIG. 8818 SERIES SAND AND SEDIMENT INTERCEPTORS WITH STORAGE COMPARTMENT



OPTIONS:

		ADD
-SS	All Stainless Steel	POA
Y	No-Hub Adaptor (4 req'd)	See Fig. 2646Y

*12" Regularly Furnished -Specify dimension if higher or lower is required.

FIGURE NO.	SIZE (GALLONS)	CUBIC FEET	A PIPE SIZE	WIDTH	B LENGTH	†STEEL ARC COATED	ADD FOR: EXT. (-E) UP TO 6"	EXT. PER INCH OVER 6"	EXTRA HEAVY DUTY REINF. COVER (-XHD)	ANCHOR FLANGE (-F)	ANCHOR FLANGE & CLAMP (-FC)	GALLONS OIL STORAGE COMPARTMENT
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.

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 for pricing.

FIG 8870 SERIES SOLIDS INTERCEPTOR WITH GASKETED QUICK LATCHING COVER

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 6" 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

Y † No-Hub Inlet/Outlet

FIG 8870-34 SERIES SOLIDS INTERCEPTOR WITH GASKETED RECESSED COVER

Fig. No.	GPM	Inlet & Outlet Size	†ARC Fabricated Steel
8870Y02-34	4	2	POA
8871Y02-34	7	2	POA
8872Y02-34	10	2	POA
8873Y02-34	15	2	POA
8874Y02-34	20	2	POA
8875Y03-34	25	3	POA
8876Y03-34	35	3	POA
8877Y03-34	50	3	POA
8878Y04-34	75	4	POA

Y † No-Hub Inlet/Outlet

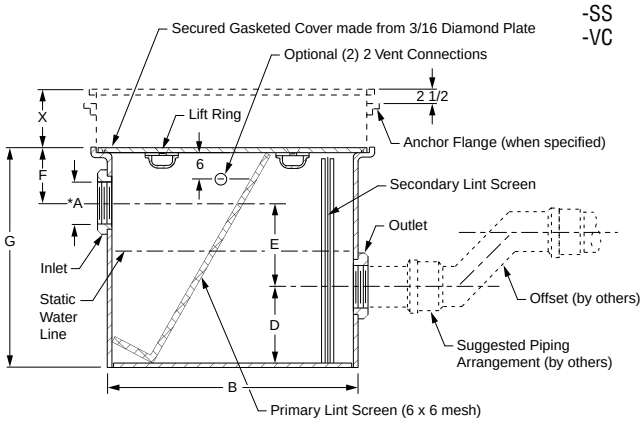
FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

FIG 8910 SERIES LINT INTERCEPTORS

OPTIONS: **ADD**

-SS All Stainless Steel ..... **POA**

-VC 2" Vent Connections (2) **619.00**



C= Body Width

X= Specify Additional Height Required

FIGURE NO.	GPM FLOW RATE	MAX NO. OF WASHERS	INLET & OUTLET SIZE A*	BODY B LENGTH	BODY C WIDTH	ROUGHING DIM D	ROUGHING DIM E	ROUGHING DIM F	ROUGHING DIM G	SECURING SCREWS IN COVER	†STEEL DUCO COATED	ADD FOR: EXT. (-E) UP TO 6"	ADD FOR: EXT. PER INCH OVER 6"	ADD FOR: ANCHOR FLANGE (-F)	ADD FOR: FLANGE AND FLASHING CLAMP (-FC)	APPROX. WEIGHT LBS.
8910-20	20	2	04"	30"	24"	12"	12"	8"	32"	8	**10,148.00**	**2,261.00**	**235.00**	**916.00**	**2,114.00**	270
8910-25	25	3	04"	36"	24"	12"	12"	8"	32"	8	**10,276.00**	**2,261.00**	**243.00**	**1,132.00**	**2,141.00**	318
8910-50	50	5	04"	40"	26"	12"	12"	8"	32"	10	**11,967.00**	**2,575.00**	**265.00**	**1,282.00**	**2,420.00**	332
8910-100	100	10	06"	48"	30"	12"	12"	8"	32"	10	**16,287.00**	**3,195.00**	**333.00**	**1,324.00**	**2,979.00**	420
8910-150	150	15	06"	51"	32"	24"	12"	8"	44"	10	**17,263.00**	**3,524.00**	**360.00**	**1,423.00**	**3,284.00**	555
8910-200	200	20	06"	54"	36"	24"	12"	12"	48"	10	**20,119.00**	**3,876.00**	**396.00**	**1,643.00**	**3,610.00**	696
8910-350	350	35	06"	68"	42"	24"	12"	12"	48"	14	**22,957.00**	**4,819.00**	**494.00**	**1,663.00**	**4,467.00**	874
8910-500	500	50	06"	84"	54"	36"	12"	12"	60"	18	**30,076.00**	**5,816.00**	**589.00**	**1,961.00**	**5,366.00**	1,336

*Available with larger inlet and outlet when specified. **(Call 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.

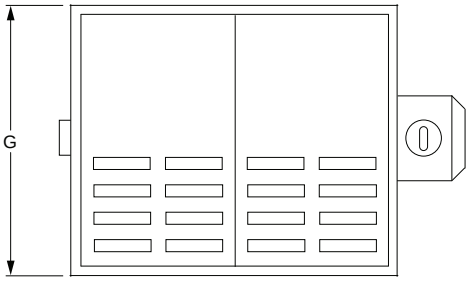
FOR AFTER THE FACT EXTENSIONS ONLY:

Extensions for these interceptors **(after the fact)** will require a new cover as well, please contact Jay R. Smith for pricing.

PATENT PENDING

†REGULARLY FURNISHED

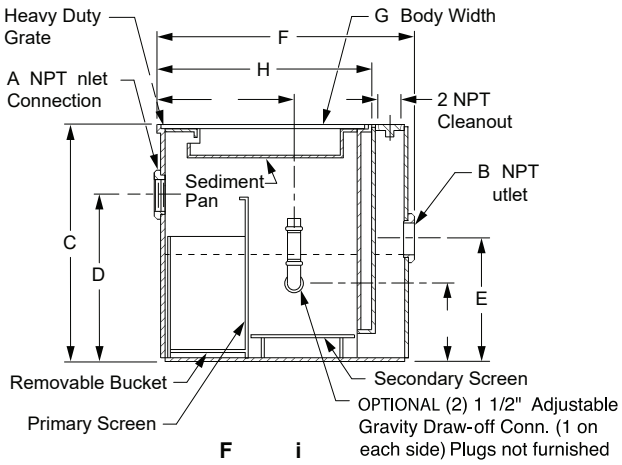
SMITH® CUSTOMER DRIVEN SINCE 1926



TOP VIEW

OPTIONS: **ADD**

-OD	Oil Draw-off Assembly	**3,746.00**
-SS	Stainless Steel Body	**POA**
-M	Ductile Iron Grate	
	For 8925-12 (Priced for 1 Grate)	**672.00**
	For 8925-60 (Priced for 1 Grate)	**672.00**
	For 8925-100 (Priced for 2 Grates)	**1,344.00**
	For 8925-200 (Priced for 3 Grates)	**2,015.00**



F i

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.

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	ADD FOR: ARC IN AND OUT (-ARIO)	ADD FOR: EXT. (-E) UP TO 6"	ADD FOR: EXT. PER INCH OVER 6"	ADD FOR: ANCHOR FLANGE (-F)	ADD FOR: 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	**4,834.00**	**878.00**	**1,341.00**	**118.00**	**1,133.00**	**1,220.00**	75
8925-60	60	02"	04"	26"	20"	18"	29 1/2"	12 1/2"	24 1/2"	19"	8"	1	**13,716.00**	**1,062.00**	**1,801.00**	**155.00**	**1,693.00**	**1,737.00**	175
8925-100	100	02"	04"	34"	27"	22"	29 1/2"	24 1/2"	24 1/2"	19"	12"	2	**19,532.00**	**1,679.00**	**2,783.00**	**228.00**	**2,069.00**	**2,258.00**	280
8925-200	200	02"	04"	34"	27"	22"	41 1/2"	24 1/2"	36 1/2"	27"	12"	3	**24,138.00**	**3,535.00**	**4,122.00**	**349.00**	**2,633.00**	**3,692.00**	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

9000 SERIES

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

Examples:

9710BW04 (-S40-B-C-E04-U)

- Figure No.
- Type of Outlet (Butt Weld)
- Pipe Size (Inches)
- Schedule 40
- Sediment Bucket
- Flashing Clamp with Seepage Holes
- Extension (4")
- Vandal Proof

*All variation suffixes are to be shown in parenthesis.

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 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.

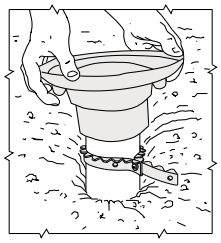
Fabricatability: May be machined easily and lends itself to fabrication. Ideal for floor drains and cleanouts which have to be welded to stainless steel decks. Stainless steel is the only corrosion resistant material which offers this wide versatility of mechanical properties.

FIG. 9329-CAULK SUPPORT STRAP FOR SUPPORTING 02", 03" & 04" INSIDE CAULK DRAINS & CLEANOUTS

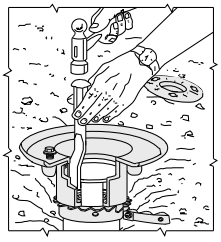
FUNCTION: Unique design enables installer to use the same strap for 02", 03" or 04" extra heavy or service weight soil pipe. The strap supports the body weight and the force created by caulking without slipping. May be left on pipe after drain is caulked in place or removed for re-use.

Installation of strap and drain is made fast and simple. Eliminates costly searching for wood and brick supports, wires or purchase of expensive riser clamps.

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

SMITH CUSTOMER DRIVEN SINCE 1930

SPECIALTIES

Fig. 9005

Fig. 9020

Fig. 9110

Fig. 9130

Fig. 9140

STAINLESS STEEL

Fig. 9200

Fig. 9205

Fig. 9600 Series

Fig. 9690

Fig. 9700A

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

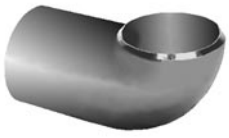


Fig. 9759

Fig. 9760

Fig. 9770

Fig. 9775

Fig. 9780

Fig. 9785

Fig. 9790

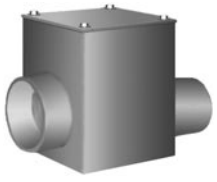


Fig. 9795

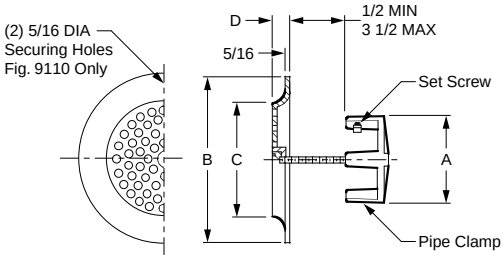
SPECIALTIES

†REGULARLY FURNISHED

NOTES

FIG 9005 FRESH AIR INLET WITH PIPE CLAMP
FIG 9010 FRESH AIR INLET LESS PIPE CLAMP

FUNCTION: Provides a protective cover for the fresh air inlet piping at the exterior wall and allows ample air to enter the system.



OPTIONS: **DEDUCT**

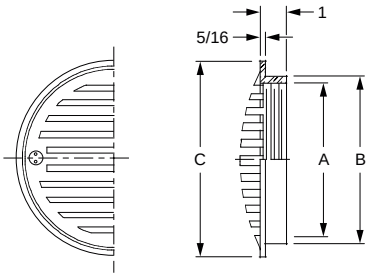
Less Pipe Clamp (Specify Fig 9010)
03-10" ..... **POA**

A PIPE SIZE	B DIA	C DIA	D	FREE AREA SQ IN	†POLISHED BRONZE	POLISHED NB	CHROME PLATED	APPROX. WT. LBS.
03, 04"	8"	5 1/4"	3/4"	7"	**652.00**	**673.00**	**1,020.00**	5
05"	10"	7 3/4"	3/4"	18.26"	**808.00**	**1,027.00**	**1,147.00**	7
06"	10"	7 3/4"	3/4"	18.26"	**1,082.00**	**1,138.00**	**1,485.00**	7
08"	14"	11 1/2"	1"	44.88"	**1,727.00**	**1,817.00**	**2,165.00**	13
10"	14"	11 1/2"	1"	44.88"	**1,727.00**	**1,817.00**	**2,165.00**	13

REGULARLY FURNISHED: Polished Bronze with Vandal Proof Screws.

FIG. 9020 FRESH AIR INLET WITH FEMALE THREADED PIPE CONNECTION

FUNCTION: Provides a protective cover for the fresh air inlet piping at the exterior wall and allows ample air to enter the system.



A PIPE SIZE	B DIA	C DIA	FREE AREA SQ IN	†POLISHED BRONZE	POLISHED NB	CHROME PLATED	APPROX. WT. LBS.
04"	4 3/4"	7"	13.60"	**889.00**	**900.00**	**1,249.00**	4
05"	6"	7"	13.60"	**889.00**	**900.00**	**1,249.00**	5

REGULARLY FURNISHED: Polished Bronze with Vandal Proof Screws.

Fig. 9020 Meets New York State Specifications

FIG. 9095 SS FLOOR SINK W/FORMIT® DRAIN INSTALLATION DEVICE

FUNCTION: The Jay R. Smith Mfg. Co.® FormIt® Drain Installation Device is designed to stabilize the drain and provide adjustment during the installation process and allows final connection of outlet piping to drain after the concrete pour.

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 ..... **POA**
Schedule 10 ..... **POA**
Schedule 40 ..... **POA**

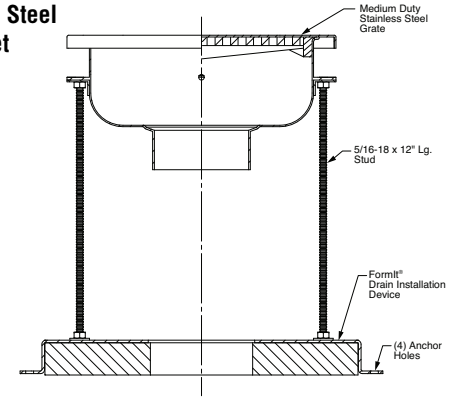


FIG. 9110, 9120 ADJUSTABLE "P" TRAP STANDARDS-CAST IRON

OPTIONS: **ADD**
-N15 1 1/2" Overflow Connection (9120 Only) ..... **POA**
-SS For use with Stainless Steel Sink ..... **POA**

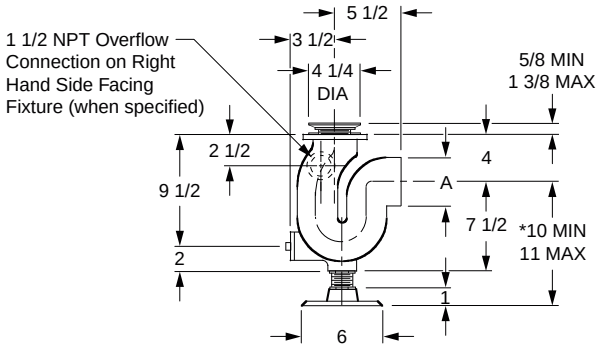


FIGURE NO.	PIPE SIZE	FREE AREA SQ IN	CONNECTION	†ARE INSIDE	ARE INSIDE AND OUTSIDE	APPROX. WT. LBS.
9110	02"	2"	Threaded	**POA**	**POA**	16
9120	03"	2"	Threaded	**POA**	**POA**	22

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 ..... **POA**

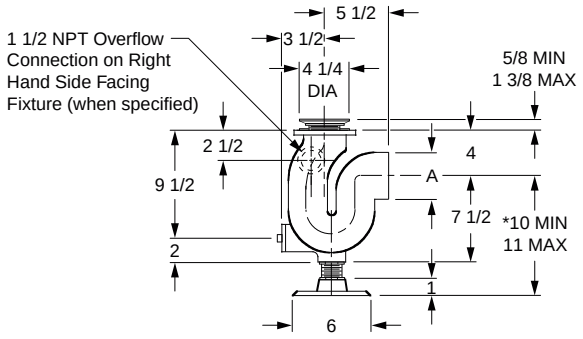


FIGURE NO.	PIPE SIZE	FREE AREA SQ IN	CONNECTION	†ALL BRONZE	APPROX. WT. LBS.
▲9114	02"	2"	Threaded	**POA**	18
▲9116	02"	2"	Sil-Brazed Outlet	**POA**	18
9118	02"	2"	Sil-Brazed Grooved	**POA**	18
9124	03"	2"	Threaded	**POA**	20
9126	03"	2"	Sil-Brazed Outlet	**POA**	20
9128	03"	2"	Sil-Brazed Grooved	**POA**	40

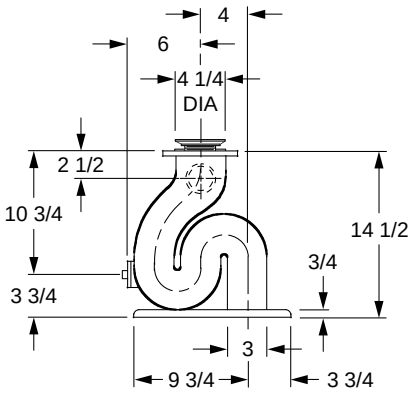
REGULARLY FURNISHED: Chrome Plated Strainer, Rubber Gasket and Bronze Cleanout Plug. Bronze Trap as Cast.

*Roughing shall be coordinated with sink used.

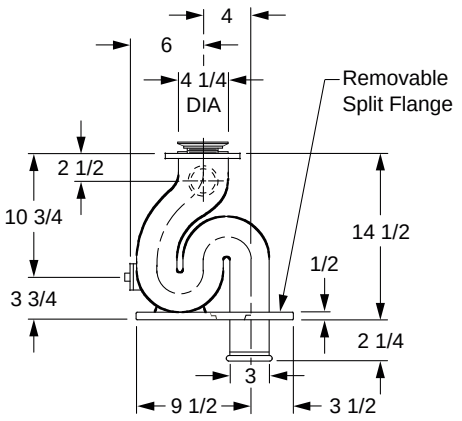
Always specify fixture mfrs. name, number and size.

▲Conforms to Military Specification MIL S-2143-B Amendment 1

FIG. 9130, 9134, 9140 "S" TRAP STANDARDS-CAST IRON-BRONZE



9130



9140

	FIGURE NO.	PIPE SIZE	FREE AREA SQ IN	CONNECTION	†ARE INSIDE	ARE INSIDE AND OUTSIDE	ALL BRONZE	APPROX. WT. LBS.
	9130	03"	2"	Soil	**POA**	**POA**	**POA**	34
▲	***9134**	03"	2"	Soil	–	–	**POA**	40
	9140	03"	2"	Soil	**POA**	**POA**	**POA**	35

OPTIONS: **ADD**

-N15 1 1/2" Overflow Connection (9130, 9140 Only) ..... **POA**

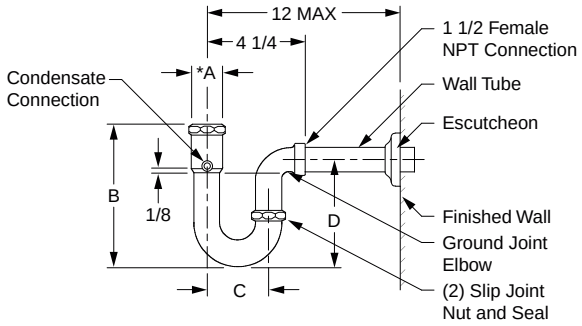
-SS For use with Stainless Steel Sink ..... **POA**

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

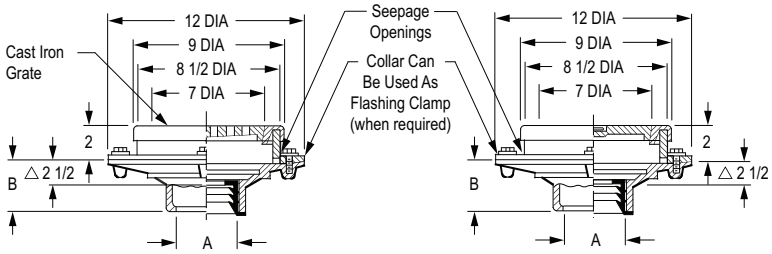


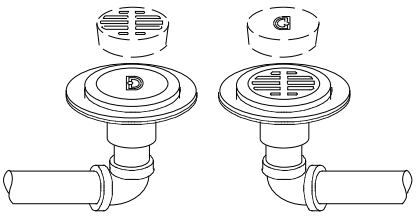
Inlet Outlet Size *A	B	C	D	†17 Gauge Chrome Plated Satin Bronze	17 Gauge Chrome Plated Polished Bronze (-CP)	Approx. Wt. Lbs.
0125 or 0150"	6"	2 7/8"	5"	**POA**	**POA**	4

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.

FIG. 9205 DECONTAMINATION FLOOR DRAINS





TYPICAL INSTALLATION
Drains are located close to each other for ease of switching grate and plug

△This dimension to internal stop of Speedi-Set® gasket.

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	POA	POA	POA	50

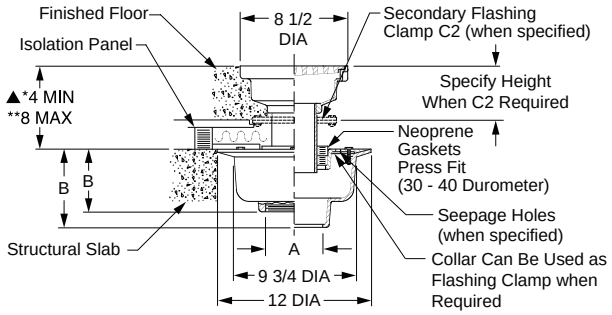
REGULARLY FURNISHED: Two (2) Duco Cast Iron Bodies with Flashing Collar and Bronze Rim. Cast Iron Grate and Ground Joint Plug.

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"	POA
Speedi-Set® Outlet SW	L02, L03, L04	3 3/4"	POA
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04	3 3/4"	POA
Threaded	T02, T03, T04	2"	POA
No-Hub	Y02, Y03, Y04	3 3/4"	POA

OPTIONS:		ADD
-ARC	Acid Resistant Coated	POA
-FBSCI	Flat Bottom Strainer, CI, (ea)	POA
-G	Galvanized CI	POA
-M	Ductile Iron Grate and Plug	POA
-RB	Bronze Grate and Plug	POA

FIG. 9340 DRAIN FOR FLOATING (ISOLATED) FLOOR SYSTEMS



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"	POA
Speedi-Set® Outlet SW	L02, L03, L04	6"	POA
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04	6"	POA
Threaded	T02, T03, T04	4 3/4"	POA
No-Hub	Y02, Y03, Y04	6"	POA

OPTIONS:		ADD
-C	Underdeck Clamp	POA
-G	Galvanized CI	POA
-R	Sump Receiver Plate	POA
-U	Vandal Proof Screws	POA
-W	With Seepage Holes	POA

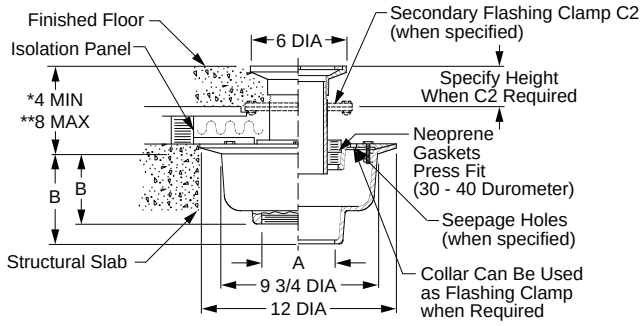
A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI	DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WT. LBS.
02, 03, 04"	8 1/2"	14.25	POA	POA	POA	90

REGULARLY FURNISHED: Duco Cast Iron Lower Body and Flashing Collar, Adjustable Nipple, Upper Body, Grate and Neoprene Isolation Gaskets.

*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.

†REGULARLY FURNISHED

FIG. 9345 DRAIN FOR FLOATING (ISOLATED) FLOOR SYSTEMS



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"	POA
Speedi-Set® Outlet SW	L02, L03, L04	6"	POA
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04	6"	POA
Threaded	T02, T03, T04	4 3/4"	POA
No-Hub	Y02, Y03, Y04	6"	POA

OPTIONS:		ADD
-C	Underdeck Clamp	POA
-G	Galvanized CI	POA
-R	Sump Receiver Plate	POA
-W	With Seepage Holes	POA

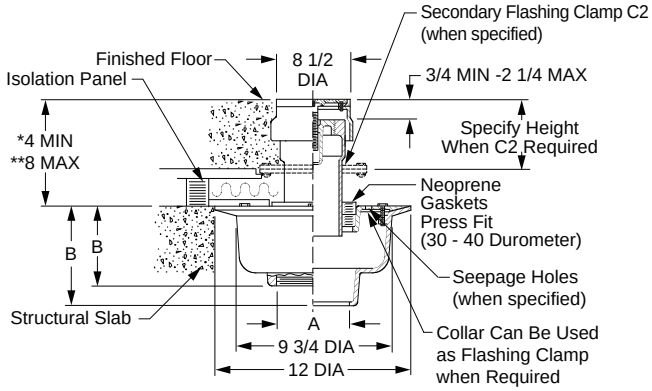
A OUTLET SIZE	TOP SIZE	FREE AREA SQ IN	†DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WT. LBS.
02, 03, 04"	8 1/2"	7	POA	POA	90

REGULARLY FURNISHED: Duco Cast Iron Lower Body and Flashing Collar, Duco Cast Iron Top Drain Body with Polished Bronze Top and Neoprene Isolation Gasket.

**If greater dimension than shown from lower flange to top is required specify a longer nipple.

SPECIALTIES

FIG. 9350 SERIES CLEANOUT FOR FLOATING (ISOLATED) FLOOR SYSTEMS



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"	POA
Speedi-Set® Outlet SW	L02, L03, L04	6"	POA
Speedi-Set® Outlet XH	LXH02, LXH03, LXH04	6"	POA
Threaded	T02, T03, T04	4 3/4"	POA
No-Hub	Y02, Y03, Y04	6"	POA

OPTIONS:		ADD
-C2	Secondary Flashing Clamp	POA
-G	Galvanized CI	POA
-QC	Round Top Recessed f/Terrazzo (Fig 9354)	POA
-S	With Square Top (Fig 9351)	POA
-S-QC	Square Top Recessed f/Terrazzo (Fig 9355)	POA
-S-TC	Square Top Recessed f/Tile (Fig 9353)	POA
-TC	Round Top Recessed f/Tile (Fig 9352)	POA
-W	With Seepage Holes	POA

A OUTLET SIZE	†DUCO CI PB TOP	DUCO CI NB TOP	APPROX. WT. LBS.
02, 03, 04"	POA	POA	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.

**If greater dimension than shown from lower flange to top is required specify a longer nipple.

†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

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 MEDIUM DUTY LOOSE SET SLOTTED GRATE

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 FOR HEAVY DUTY RIM FLOW GRATE

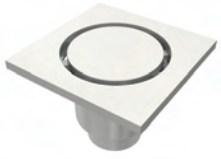


Fig No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9614-RF	02, 03, 04”	04”	POA	POA
9614-SRF	02, 03, 04”	04”	POA	POA

FIG. 9614-S - 8” SQUARE TOP

Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04”	POA	POA

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

†REGULARLY FURNISHED

FIG. 9614-SBG - 8" SQUARE TOP WITH BAR GRATE

Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
02, 03, 04"	POA	POA

FIG. 9620, 9621, 9622 - 10" ROUND TOP

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 HEAVY 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

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 WITH BAR GRATE

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

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

†REGULARLY FURNISHED

FIG. 9630, 9631, 9632, 9633 - 12" ROUND TOP

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 HEAVY 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

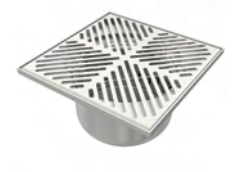


Fig No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630-S	02, 03, 04"	04"	POA	POA
9631-S	02, 03, 04"	06"	POA	POA
9632-S	02, 03, 04"	08"	POA	POA

FIG. 9630-SBG, 9631-SBG, 9632-SBG - 12" SQUARE TOP WITH BAR GRATE

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 - 10" SQUARE HEAVY DUTY RIM FLOW

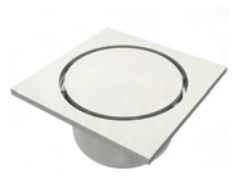


Fig No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9630-SRF	02, 03, 04, 06"	05"	POA	POA
9631-SRF	02, 03, 04, 06"	07"	POA	POA
9632-SRF	02, 03, 04, 06"	09"	POA	POA

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

†REGULARLY FURNISHED

FIG. 9635-S, 9636-S, 9637-S, 9638-S - 14" SQUARE TOP

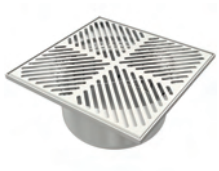


Fig No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9635-S	02, 03, 04, 06"	04"	POA	POA
9636-S	02, 03, 04, 06"	06"	POA	POA
9637-S	02, 03, 04, 06"	08"	POA	POA
9638-S	02, 03, 04, 06"	10"	POA	POA

FIG. 9635-RF, 9636-RF, 9637-RF, 9638-RF - 14" ROUND HEAVY 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

SPECIALTIES

FIG. 9635-SBG, 9636-SBG, 9637-SBG, 9638-SBG - 14" SQUARE TOP WITH BAR GRATE

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 HEAVY DUTY RIM FLOW GRATE

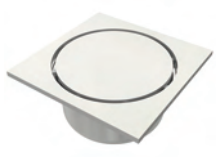


Fig No.	Outlet Size	Sump Depth	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9635-SRF	02, 03, 04, 06"	04"	POA	POA
9636-SRF	02, 03, 04, 06"	06"	POA	POA
9637-SRF	02, 03, 04, 06"	08"	POA	POA
9638-SRF	02, 03, 04, 06"	10"	POA	POA

FIG. 9642, 9643 - 14 GAUGE SS AREA & INDIRECT WASTE FLOOR DRAIN WITH 8" SQUARE TOP

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

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

†REGULARLY FURNISHED

FIG. 9646, 9646-S - 6" ROUND AND 6 1/2" SQUARE CLEANOUT

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

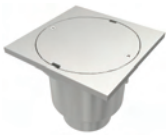


Fig No.	Outlet Size	†-CF8 (304) Stainless Steel	-CF8M (316) Stainless Steel
9646-ST	02, 03, 04"	POA	POA
9646-S-ST	02, 03, 04"	POA	POA

FIG. 9680 - 16" 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" 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	-CF8M (316) Stainless Steel
9685	02, 03, 04"	POA	POA

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

†REGULARLY FURNISHED

FIG. 9690 SERIES 14 GAGE STAINLESS STEEL FLOOR, AREA & INDIRECT WASTE DRAINS W/12" SQUARE TOP

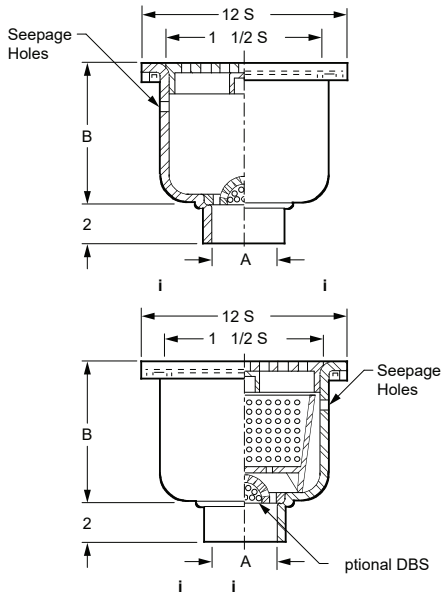


FIG. NO. w/DOME STRAINER	A OUTLET SIZE	B SUMP DEPTH	TOP SIZE	†LESS FLANGE	WITH FLANGE	APPROX. WEIGHT LBS
9691	02, 03, 04"	4"	12" SQ	**POA**	**POA**	14
9692	02, 03, 04"	6"	12" SQ	**POA**	**POA**	17
9693	02, 03, 04"	8"	12" SQ	**POA**	**POA**	20
9694	02, 03, 04"	10"	12" SQ	**POA**	**POA**	23
FIG. NO. SEDIMENT 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	**POA**
	BW02, BW03, BW04 Sched. -40	**POA**
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**

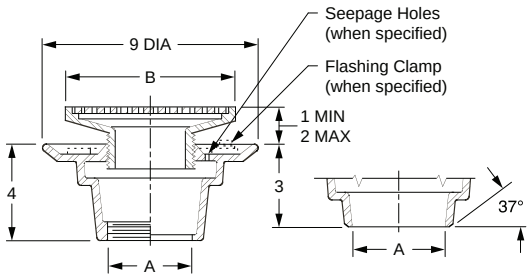
OPTIONAL TOP GRATES
FOR SPECIALIZED AND INDIRECT WASTE APPLICATIONS
THE FOLLOWING ARE TYPE 304 (CF8)
TYPE 316 (CF8M) GRATES ARE POA

		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**
-62	With Type 304 SS Medium Duty Ribbed Loose-set Non-tilt Grate with 1/2" 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 Grate with 3/4" Square Holes	**POA**

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

†REGULARLY FURNISHED

FIG. 9700 CAST SS BODY W/ ADJUSTABLE STRAINER HEAD AND SATIN FINISH CAST SS GRATE



Butt Weld Outlet
Schedule 40 Reg. Furn.

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.

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

FIG. 9703, 9704 ROUGH FINISH STAINLESS STEEL FUNNELS

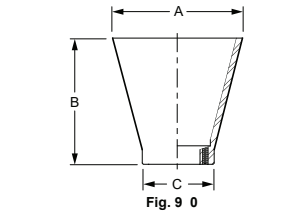


Fig. 9 0

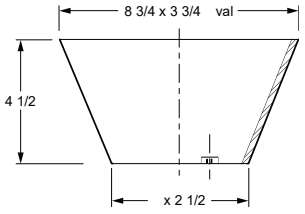


Fig. 9 0

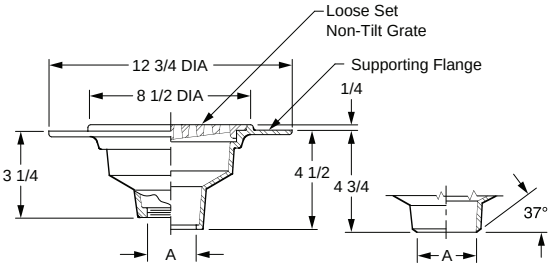
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel with Stainless Steel Bolts and Washers.

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

FIG. 9705 FLOOR DRAIN W/8 1/2" ROUND MEDIUM DUTY TOP W/EXTENDED INTEGRAL FLANGE FOR WELDING TO STEEL DECKS



Butt Weld Outlet

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

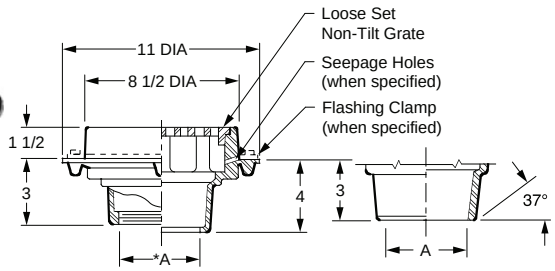
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

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	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



Butt Weld Outlet

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

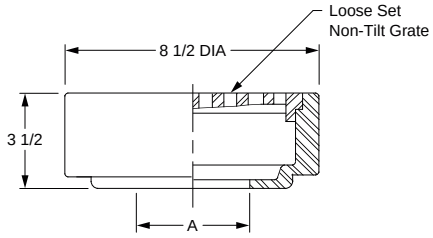
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, and Loose Set Non-Tilt Grate.

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	POA
-C	Flashing Clamp	POA
-E04	4" Extension	POA
-FBS	Flat Bottom Strainer	POA
-SC	Solid Scoriated Cover	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug)	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

FIG. 9713 SHALLOW BODY 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

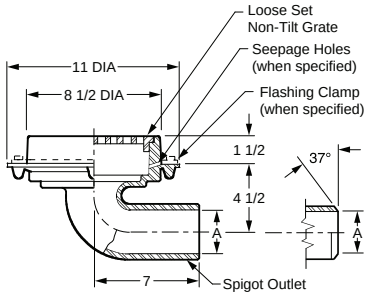
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

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, or †40	POA
Inside Caulk	C02, C03, C04	POA

OPTIONS:		ADD
	ALL IN TYPE 304	
-B	Sediment Bucket	POA
-FBS	Flat Bottom Strainer	POA
-E04	4" Extension	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug)	POA
-U	Vandal Proof Screws	POA
-XP	Closure Plug & Gasket	
	Plastic (XPP)	POA
	Type 304 SS (XPSS)	POA
	DEDUCT	
-CIG	Cast Iron Grate	POA
-RNB	Rough NB Grate	POA
-RB	Rough Bronze 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.)

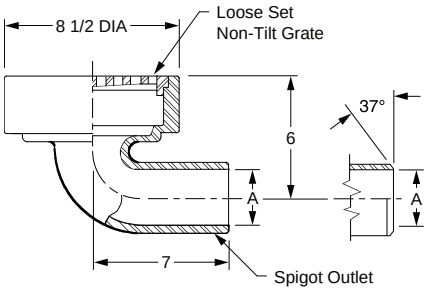
Outlet Type	Outlet Designation / Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, †40, or 80	POA
Spigot	S02, S03, S04	POA

SPECIALTIES

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

†REGULARLY FURNISHED

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

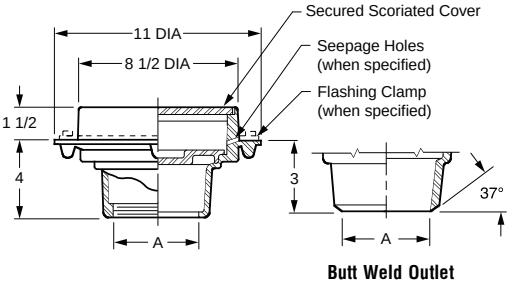
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

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)	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
-RNB	Rough NB Grate	POA
-RB	Rough Bronze Grate	POA

FIG. 9720 FLOOR DRAIN W/8 1/2" ROUND TOP, SOLID SCORIATED COVER AND CLOSURE PLUG



Butt Weld Outlet

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.)

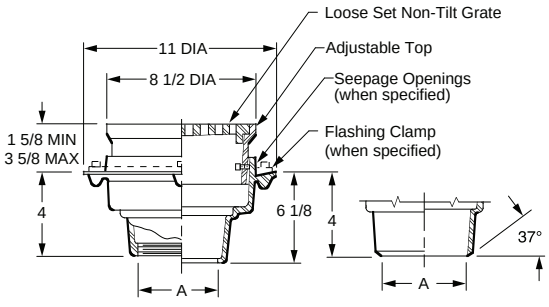
Outlet Type	Outlet Designation / Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, †40, or 80	POA
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug	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



Butt Weld Outlet

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.

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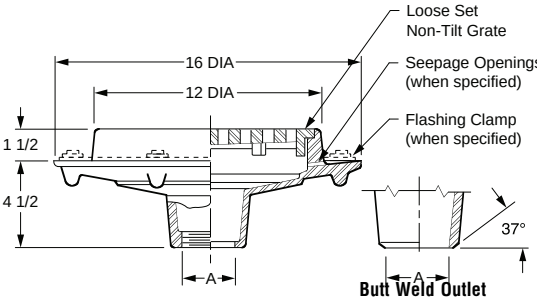
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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)	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
-RNB	Rough NB Grate	POA
-RB	Rough Bronze Grate	POA

†REGULARLY FURNISHED

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

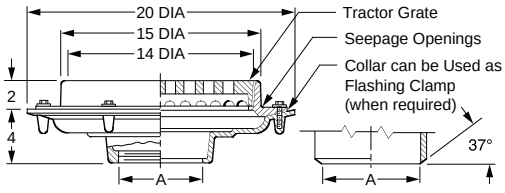
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Loose Set Non-Tilt Grate.

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
-RNB	Rough NB Grate	POA
-RB	Rough Bronze Grate	POA

FIG. 9733 FLOOR DRAIN 15" ROUND TOP WITH HEAVY DUTY TRACTOR GRATE



Butt Weld Outlet

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

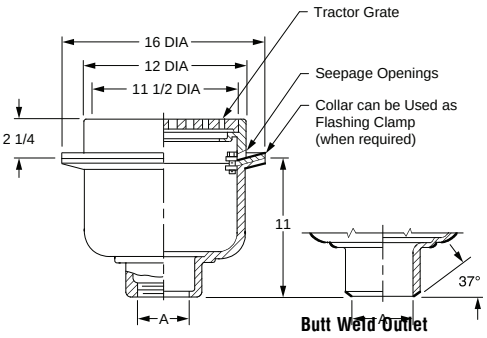
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, Flashing Collar with Seepage Openings and Tractor Grate.

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

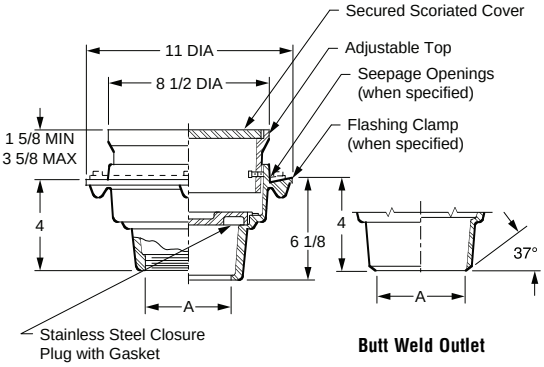
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body, Flashing Collar with Seepage Openings and Rough Bronze Tractor Grate.

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



Butt Weld 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
Inside Caulk	C02, C03, C04	POA
Threaded	T02, T03, T04	POA

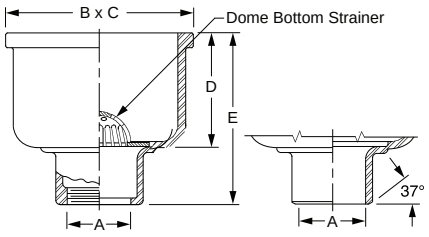
OPTIONS:		ADD
-A27	Carbon Steel Grate	POA
-C	Flashing Clamp (Type 304)	POA
-E04	4" Extension (Type 304)	POA
-SF	Satin Finish Top	POA
-TP	3/4" Test Plug (for Closure Plug)	POA
-U	Vandal Proof Screws	POA
-W	Seepage Holes	POA

		DEDUCT
-XPP	Closure Plug and Gasket Plastic Closure Plug (XPP)	POA

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.

FIG. 9740 INDIRECT WASTE RECEPTOR



Butt Weld Outlet

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

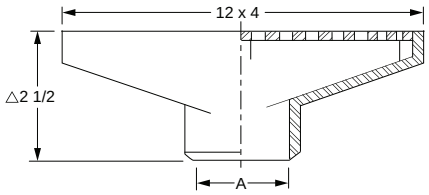
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04, BW06 Specify Schedule 5, 10, or †40	POA
Inside Caulk	C03, C04, C06	POA

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

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.

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

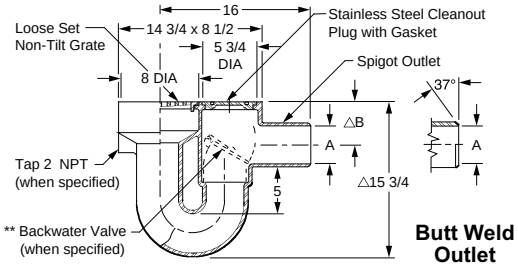
REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finished Stainless Steel Body and Secured Stainless Steel Grate.

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



△add 1/4" when Nickel Bronze Top is specified.

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.

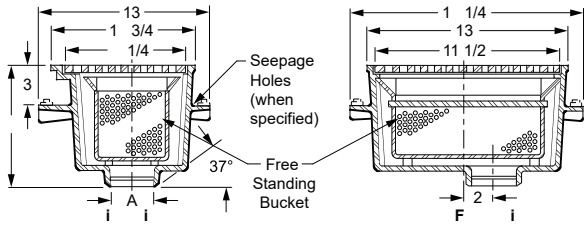
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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
-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.

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 STL 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

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body with Sediment Bucket and Heavy Duty Loose Set Polished Bronze Grate.

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

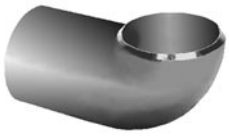
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04	
	BW05, BW06 Specify Schedule 5, 10, or †40	POA

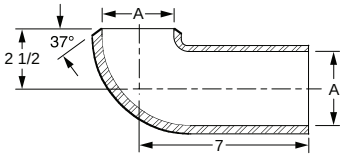
OPTIONS:		ADD
-C	Flashing Clamp w/Seepage Holes (Type 304)	POA
-RNB	Rough NB Grate	POA
-W	Seepage Holes	POA
-316G	CF8M Grate	POA
-304G	CF8 Grate	POA

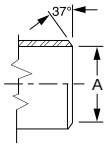
FOR INFORMATION ON POA ITEMS, PLEASE CONTACT YOUR LOCAL JAY R. SMITH REPRESENTATIVE

†REGULARLY FURNISHED

FIG. 9759 90° SIDE OUTLET







Butt Weld Outlet

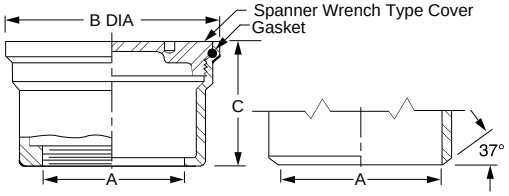
OUTLET VARIATIONS (Specify type of outlet and pipe size in inches.)

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

A OUTLET SIZE	†-CF8 (304) STAINLESS STEEL	-CF8M (316) STAINLESS STEEL	-A27 CARBON STEEL	APPROX. WT. LBS
02"	POA	POA	POA	3
03"	POA	POA	POA	5
04"	POA	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.

FIG. 9760 ROUND DECK PLUG



Butt Weld Outlet

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

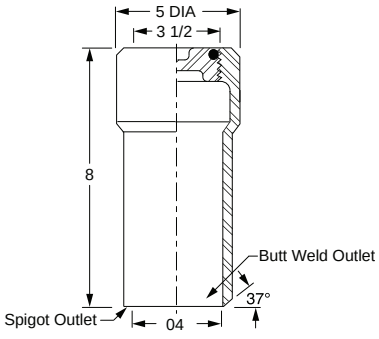
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04 Specify Schedule 5, 10, †40, or 80	POA
Threaded	T02, T03, T04	POA

OPTIONS:		ADD
-SW	Steel Spanner Wrench	POA

A OUTLET SIZE	B DIA CAULK	B DIA BUTT WELD	C CAULK	C BUTT WELD	†-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

REGULARLY FURNISHED: CF8 (Equivalent to Type 304) Rough Finish Stainless Steel Body and Cover with Gasket.

FIG. 9770 FERRULE AND PLUG



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

A 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.

FIG. 9775, 9776 WALL CLEANOUTS

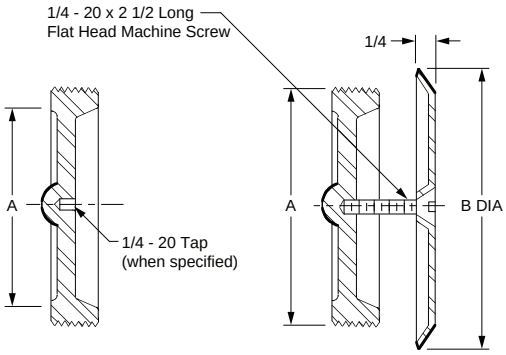


Fig. 9 5 Fig. 9

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

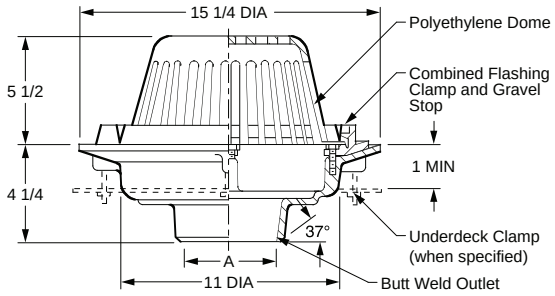
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Threaded	T03, T04	POA

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

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.

FIG. 9780 LARGE GENERAL PURPOSE ROOF DRAIN



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

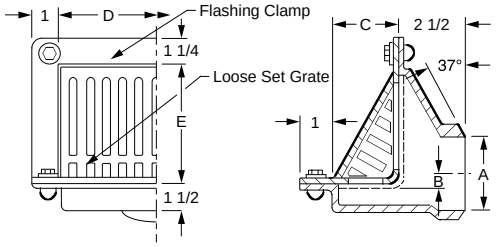
OPTIONS:		ADD
-A27D	Carbon Steel Dome	POA
-C	Underdeck Clamp	POA
-CID	Cast Iron Dome	POA
-SD	Secured Dome	POA
-U	Vandal Proof	POA
-304D	Type 304 Steel Dome	POA
-316D	Type 316 Steel Dome	POA

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.

SPECIALTIES

FIG. 9785 SCUPPER DRAIN



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

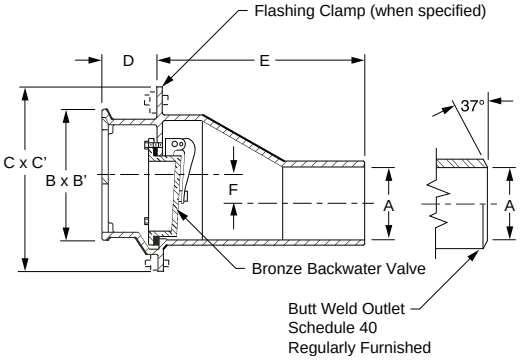
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW02, BW03, BW04	
	BW05, BW06	POA
	Specify Schedule 5, 10, †40 or 80	

OPTIONS:		ADD
-A27G	Carbon Steel Frame and Grate	POA
-U	Vandal Proof Screws	POA
-304G	Type 304 Frame and Grate (02-04")	POA
-304G	Type 304 Frame and Grate (05-06")	POA
-316G	Type 316 Frame and Grate (02-04")	POA
-316G	Type 316 Frame and Grate (05-06")	POA

A OUTLET SIZE	B	C	D	E	FREE AREA SQ IN	†-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"	17.87	POA	POA	POA	17
04"	1/2"	3 1/4"	8 3/4"	5"	17.87	POA	POA	POA	17
05, 06"	1 3/4"	4"	10 1/2"	6 1/2"	35	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



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

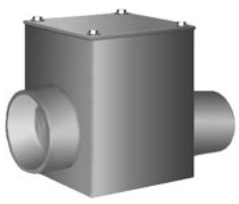
Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04, BW05	
	BW06, BW08	POA
	Specify Schedule 5, 10, †40 or 80	
Spigot	S03, S04, S05	
	S06, S08	POA

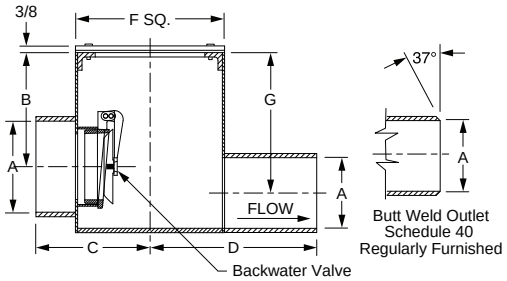
OPTIONS:		ADD
-A27G	Carbon Steel Grate	POA
-C	Galv. Clamping Collar	POA
-U	Vandal Proof	POA
-V	Type 304 SS Backwater Valve	POA
-316G	Type 316 Grate	POA
		DEDUCT
-CIG	Cast Iron Grate	POA

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





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

Outlet Type	Outlet Designation Outlet Type/Pipe Size	ADD
Butt Weld	BW03, BW04	POA
	Specify Schedule 5, 10, †40 or 80	

OPTIONS:		ADD
-U	Vandal Proof	POA

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

†REGULARLY FURNISHED

INSTALLATION DATA FOR STAINLESS STEEL CARBON STEEL DRAINS AND CLEANOUTS

FOR ANCHORING

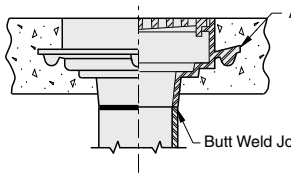


Fig. 9710BW Shown

Floor drains with integral flanges are ideal for anchoring in slab. Regularly furnished with no seepage holes.

FOR ANCHORING AND SEEPAGE

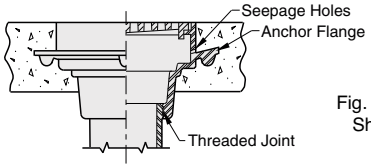


Fig. 9710T Shown

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

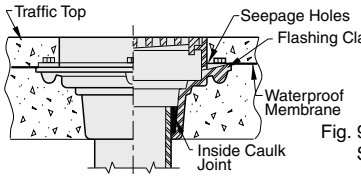


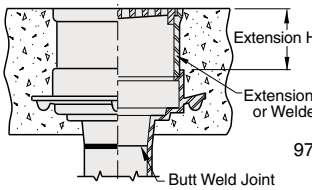
Fig. 9710C (-C) Shown

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

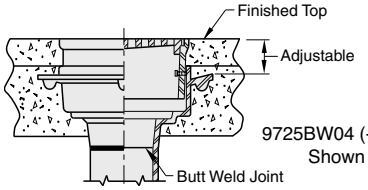
Extension 4" high regular. Specify lower or higher. End of extension is machined (O.D.) to fit snugly in grate recess of drain body. May be laid in loose or welded in field.



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.



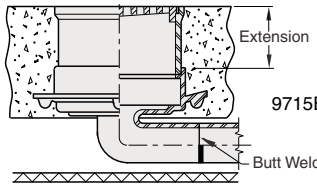
9725BW04 (-S10) Shown

SPECIALTIES

SIDE OUTLET DRAINS

8 1/2" TOP WITH EXTENSION

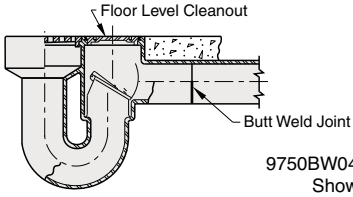
Fixed extension will permit installer to rough side outlet under slab. Side outlet connection enables joint to be below slab and piping directed to side wall.



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

CLEANOUTS

DECK PLUG

Installed directly on pipe end and imbedded in concrete slab. Cover is threaded and gasketed.

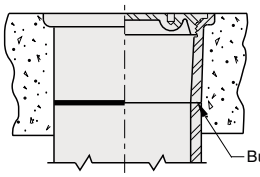


Fig. 9760BW Shown

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.

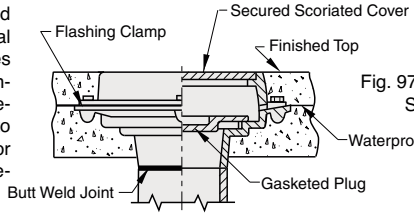


Fig. 9720BW (-C) Shown

INDIRECT WASTE DRAINS

FUNNEL TYPE

All Floor drains can be converted to an indirect waste drain by adding funnel to top of grate.

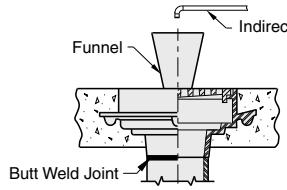


Fig. 9710BW with 9703 Shown

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.

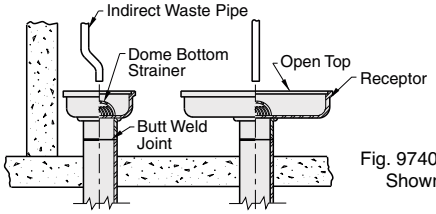
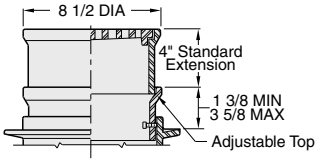
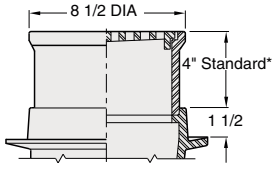


Fig. 9740BW Shown

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

†REGULARLY FURNISHED

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.

MEDIUM	TYPE NUMBERS CF8 (304)	CF8M (316)
ORGANIC SUBSTANCES		
Acetone	a	a
Benzol	a	a
Carbon tetrachloride	c	c
Ethyl alcohol	a	a
Ethyl chloride	a	a
Ethyl ether	a	a
Food pastes	a	a
Fruit juices	a	a
Ink	m	m
Mustard	b	a
Paregoric cmpd	a	a
Quinine bisulfate	b	a
Quinine sulfate	a	a
Vinegar at 70° F	m	m
ACIDS		
Acetic	m	m
Benzoic	a	a
Boric	a	a
Carbolic	a	a
Chromic (50%)	c	c
Citric	a	a
Formic	c	m
Hydrobromic	c	c
Hydrocyanic	a	a
Hydrochloric	c	c
Hydrofluoric	c	c
Lactic	a	a
Nitric (conc.)	a	a
Nitric (conc. plus 2% HCl)	a	..
Nitrous (conc.)	a	a
Oxalic	m	m
Phosphoric	a	a
Phosphoric (10%)	a	a
Picric (conc.)	a	a
Phyrogallic (conc.)	a	a
Pyroligneus (conc.)	a	a
Stearic (conc.)	a	a
Succinic (molten)	c	..
Sulfuric (conc.)	a	a
Sulfuric (dil.)	m	m
Sulfuric 15% (plus 2% potassium dichromate)	a	a
Sulfurous (conc.)	b	a
Tannic (conc.)	a	a
Tartaric (conc.)	a	a
Trichloracetic acid (10%)	a	a
Uric (conc.)	a	a
SALTS		
Aluminum chloride	c	c
Aluminum fluoride	c	b
Aluminum sulfate	a	a
Ammonium alum	a	a
Ammonium bromide	c	a
Ammonium chloride	b	a
Ammonium hydroxide	a	a
Ammonium nitrate	a	a
Ammonium sulfate	a	a
Barium chloride	a	a
Bleaching powder	c	a
Calcium chloride	c	a
Calcium hydroxide or oxide	a	a
Copper chloride	c	c
Copper cyanide	a	a
Copper nitrate	a	a

MEDIUM	TYPE NUMBERS CF8 (304)	CF8M (316)
Copper sulfate (plus 2% sulfuric acid	a	a
Copper sulfate	a	a
Creosote	c	a
Creosote (plus 3% salt)	c	c
Hydrogen peroxide	b	a
Magnesium carbonate	a	a
Magnesium chloride	m	m
Magnesium sulfate	a	a
Magnesium hydroxide	a	a
Magnesium nitrate	a	a
Phosphorous trichloride	a	a
Potassium bromide	a	a
Potassium carbonate	a	a
Potassium chloride	m	m
Potassium chlorate	a	a
Potassium cyanide	a	a
Potassium dichromate	a	a
Potassium ferricyanide	a	a
Potassium ferricyanide (boiling)	a	a
Potassium hypochlorite	c	m
Potassium iodide	a	a
Potassium iodide (sat. plus 0.1% sodium carbonate evaporated to dryness)	a	a
Potassium hydrate	a	a
Potassium nitrate	a	a
Potassium oxalate	a	a
Potassium permanganate	a	a
Potassium sulfate	a	a
Silver nitrate	a	a
Silver cyanide	a	a
Sodium bicarbonate	a	a
Sodium borate	a	a
Sodium bromide	a	a
Sodium chloride (2% aerated)	a	a
Sodium citrate	a	a
Sodium fluoride	b	.
Sodium hydroxide	a	a
Sodium nitrate	a	a
Sodium peroxide (212° F)	a	a
Stannic chloride	c	c
Stannous chloride	b	.
Sulfar (molten) (500° F)	a	a
Sulfar chloride	b	.
Titanium tetrachloride	a	a
Zinc chloride	c	b
Zinc sulfate	a	a
MISCELLANEOUS		
Ammonia	a	a
Baking oven gases	a	a
Bromine	c	c
Carbonated beverages	a	a
Chlorine (wet and dry)	c	c
Glycerin	a	a
Hydrogen sulfide (400° F)	b	a
Iodine	c	a
Lead (molten)	c	c
Lysol	m	m
Mercury	a	a
Sauerkraut brine	c	a
Sea water	m	m
Sulfur dioxide	b	b
Vegetable juices	a	a
X-ray developing solution	b	a
Zinc (molten)	c	c

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