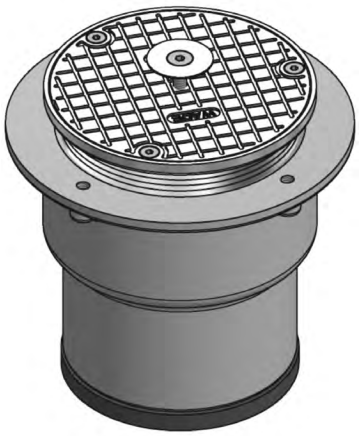
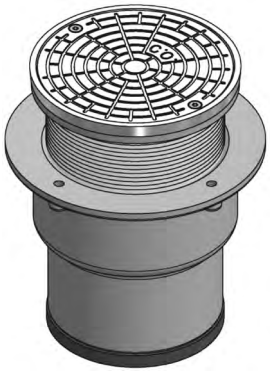
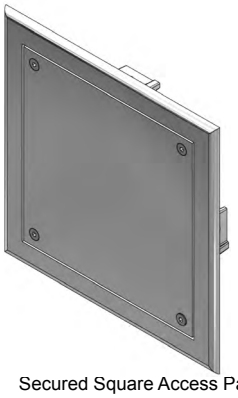
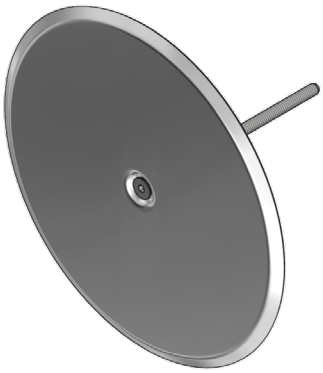
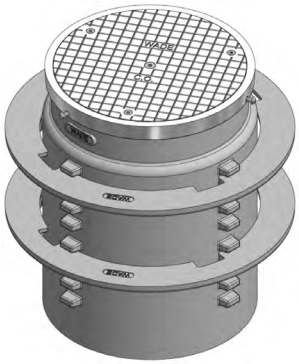
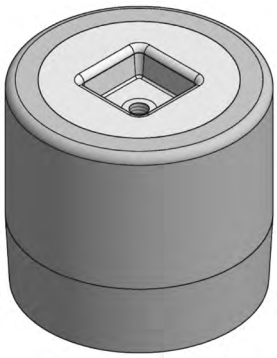
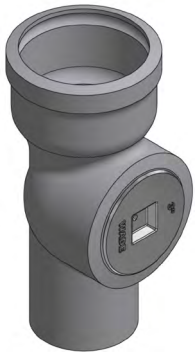
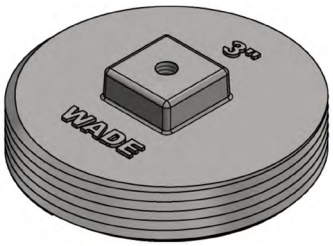
Index	
Application	Product Recommendation
Finished Floor Cleanouts (Adjustable)	6000, 8000
Finished Floor Cleanouts (Non-Adjustable)	8200
Floor Access Covers	8400, 8401
Wall Access Covers & Cleanouts	8300, 8301, 8302, 8303, 8304
Traffic Area Cleanouts	6000, 8000, 8200, 8400, 8401
Unfinished Area Cleanouts	8550, 8560, 8590

How To Specify

8000-12-4TY-CM

- Series Number (Required)
- Finish & Materials (Required)
- Connection Type & Size (Required)
- Miscellaneous Options (As Needed)



6000	8000	8200
 Adjustable Floor Cleanout	 Adjustable Floor Cleanout	 Non-Adjustable Floor Cleanout
8303	**8304**	**8400**
 Secured Square Access Panel	 Round Smooth Access Cover	 Floor Access Housing
8401	**8550**	**8560**
 Heavy Duty Access Housing	 Cleanout Ferrule w/ Plug	 Cleanout Tee w/ Plug
8590		
 Cleanout Plugs		

Top Recommendations: Standard round scoriated tops may be used in most applications listed below. The special tops listed below are readily available if desired. If other materials not listed are desired, contact your local representative for details.

Floor Materials with Recommended Cleanout Tops							
Floor or Area Finish	Basement	Utility Areas (Upper Floors)	Halls & Corridors (Schools & Hospitals)	Kitchen & Dining Areas	Shower & Toilet Areas	Factory Areas	Outside Areas
Marble		S	XS	XS	S		
Carpeted			CM or CF				
Ceramic Tile	S or US	S or US	XS	XS or 85	S or US		
Quarry Tile	S or US	S or US	XS	XS or 85	S or US		
Vinyl Tile	T or TS	T or TS	XT	XT	T or TS		
Vinyl Sheet	RF	RF	RF	RF	RF		
Stained Concrete	12	12	1 or 12	1	1		
Poured or Troweled Synthetic	E or DT	E or DT	E or DT	E or DT	E or DT		
Terrazzo	U or US	U or US	U or US	U or US	U or US		
Finished Concrete (Medium Duty)	12	12	12	12	12	12	12
Finished Concrete (Heavy Duty)	12	12	12	12	12	12	12
Paved Areas						12	12

Selection of Top (Based on Anticipated Traffic)

Load Classification: The maximum anticipated traffic (loading) which will pass over the cover. Select the top type which will support that load. Each cleanout shown in the section has a description listing the type of load it will take. The categories listed are for various top in respect to grate loading. The load classifications are in accordance with the American National Standards ASME A112.36.2M. ASME Ratings are as follows in Table 1:

Table 1

Load Classification ASME A112.6.1M	Safe Live Load
Light Duty	Under 2,000 Lb
Medium Duty	2,000 - 4,999 Lb
Heavy Duty	5,000 – 7,499 Lb
Extra Heavy Duty	7,500 – 10,000 Lb
Special Duty	Over 10,000 Lb

Test Procedures for Cover Loading

Live Loads listed in Table 1 are determined by laboratory test. A 3.5" diameter platen is applied to the center of the cover and a load is applied slowly so that a point of failure can be observed. The point of failure depends upon the material . Brittle materials (cast iron) are determined by fracture on any part of the specimen. Ductile materials are determined by a permanent set in deflection at the point of loading. The point of failure is the point of 2% of the longest traverse dimension of the specimen. The maximum safe live load is computing the load at failure by two.

Minimum Cleanout Requirements (National Plumbing Code Excerpts)

Location: Cleanouts shall not be more than 50 feet apart in horizontal drainage lines of four inch nominal diameter or less, and not more than 100 feet apart in larger diameters. Cleanouts should be installed at each change of direction in the building drain greater than 45 degrees. A cleanout should be provided at the base of each vertical waste stack. For buildings with a floor slab at grade, or with less than 18 inches of crawl space, the building drain should extended to the outside of the building and terminated with an accessible cleanout downstream of the vertical stack no more than 5 feet outside the building wall.

Underground Drainage: Cleanouts when installed on an underground drain, should extend to or above the finished grade level .

Concealed piping: Cleanouts on concealed piping should be extended through and terminate flush with the finished floor or wall.

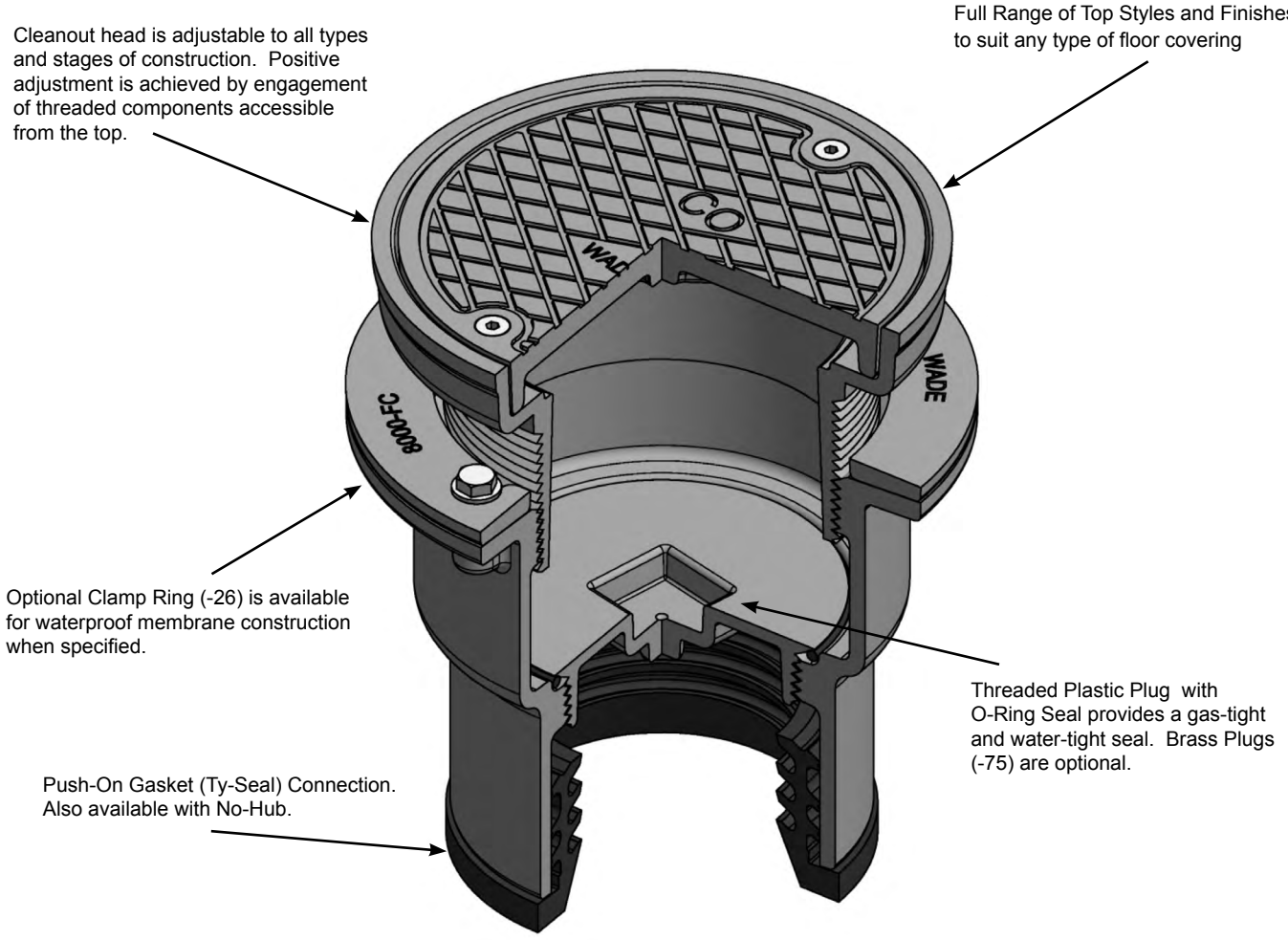
Size of cleanouts: Cleanouts should be the same nominal size as the pipe, up to four inches, and not less than 4 inches for larger pipes. For underground piping over 10 inches, manholes should be provided at each 90 degree change in direction, and at intervals of not more than 150 feet.

Cleanout clearances: Cleanouts on 3 inch or larger pipe should be installed so that there is a clearance of not less than 18 inches for the purpose of rodding. Cleanouts smaller than 3 inches should be provided with 12 inches of clearance. Cement, plaster or any other permanent finishing material must not be placed over a cleanout. If it is necessary to conceal a cleanout access, a cover plate or access door must be installed to permit easy access to the plug.

Above excerpts cover only the minimum requirements. The installer should consult the appropriate plumbing codes for complete requirements.

GENERAL PRODUCT INFORMATION

8000-12 (Adjustable Floor Cleanout)



Cleanout Installation Suggestions

Unfinished floor areas: Floor cleanouts should have a non-skid (scoriated) cover sufficiently strong for the anticipated traffic. Most unfinished areas are provided with a ductile iron cover. In parking areas utilizing asphalt paving, it is recommended that a reinforced concrete pad be provided of sufficient thickness to accommodate the traffic loads so that the load is not transferred to the piping below.

Finished floor areas: Consideration should be given the to type and pattern of the finished floor areas. Round covers are suitable for poured floors, terrazzo or stained concrete. Non-ferrous scoriated covers and frames of bronze, nickel bronze or stainless steel should be used for a finished appearance. Square frames and covers may be desired for tiled areas.

Waterproofed floors: Cleanouts with a flashing clamp should be used in floors above finished areas to prevent water seepage around the cleanout and eventual damage to ceilings and the rooms below.

Finished walls: Cleanouts concealed in the finished wall should have an access cover and frame installed in the finished wall. The cover should be smooth and of ample size to provide clear access to the cleanout. Non-ferrous materials such as bronze, nickel bronze or stainless steel are recommended for interior areas.

Vandalism: Cleanouts and access covers should be secured with vandal resistant screws when they are easily accessible and apt to be removed. High security areas require fasteners which require special tools for removal. Hinged covers with key operated locks are recommended for wall access where maintenance is routinely required or an extra measure of security is desired.

Selection of Top Material

(Unfinished Areas)
Cleanouts located in heavy traffic areas should be specified with heavy duty ductile iron covers. In areas where shock loads are anticipated, ductile iron covers are more desirable in lieu of cast iron. Cast ductile iron is acceptable for most unfinished areas such as warehouses, loading docks, boiler rooms and similar areas.

(Finished Areas)
Most cleanouts are available with nickel bronze, bronze or stainless steel tops to match the surrounding trim in finished areas. Usually finished areas require light duty or medium duty tops.

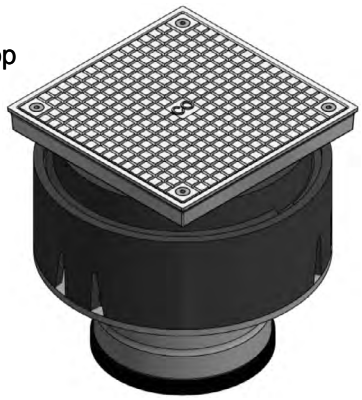
(Finished Areas with Increased Load)
Many finished floor areas are subject to increased loadings. Examples are convention centers, equipment showrooms and industrial plants. Heavy duty cast iron tractor covers can be specified with bronze or nickel bronze veneered tops.

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 Wade 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 (Figure 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 (Figure 2) is particularly adaptable to floors that are finished with materials of a square or straight line pattern. A standard secured nickel bronze scoriated top (Figure 1 or Figure 2) is recommended for most finished floor areas. Nickel bronze non-skid tops blend with most finished floors.

Figure 1
(-1) Round Scoriated Top

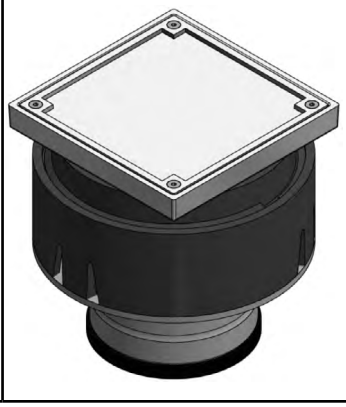
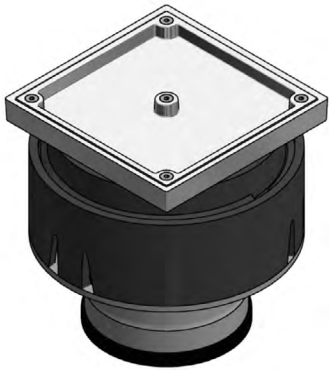


Figure 2
(-S) Square Scoriated Top



Cleanout Installation Suggestions

Recessed Covers - In floors where a minimum amount of of metal showing is desired, cleanout tops are available with a recess to receive the floor material. Tops with a shallow recess (1/8") receive vinyl sheet or tile which is glued into the recess (Figure 2 or 3). A deeper recess design (3/8") is available for terrazzo or ceramic tile (Figures 4 or 5). Both are available in round or square.

Figure 2 (-TR)	Figure 3 (-TS)	Figure 4 (-UR)	Figure 5 (-US)
			

Vehicular Traffic - In areas subjected to vehicular traffic, non-tilt tractor style covers are preferred. The tractor cover incorporates a skirt extending down on the perimeter of the cover. The deep skirt or lugs in some cases catch the side of the frame when a vehicle rools over the top and keeps it seated. (Figure 6).

Heavy Traffic Areas - 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 appearance is a secondary consideration.

For unfinished floors, subject to heavy vehicular traffic, round, heavy duty ductile iron tops should be specified (Figure 7). The Wade special duty design has non-tilt tractor-type covers. The tractor-type cover cannot be tilted out of the cleanout top due to heavy vehicular traffic moving over it. For finished floors, where heavy traffic is anticipated, such as equipment showrooms, convention areas, etc., Wade offers heavy duty ductile iron covers with nickel bronze veneers (Figure 8).

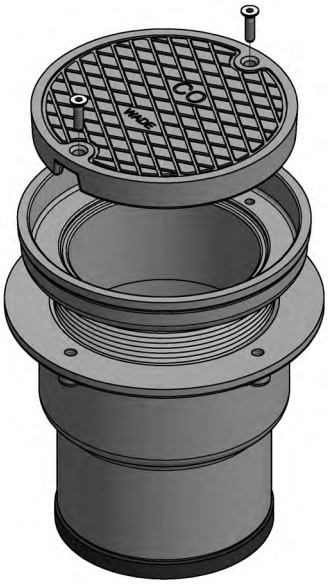


Figure 6
(-12) D.I. Scoriated Top



Figure 7
(-12) DI Scoriated Top



Figure 8
(-12) DI/NB Scoriated Top

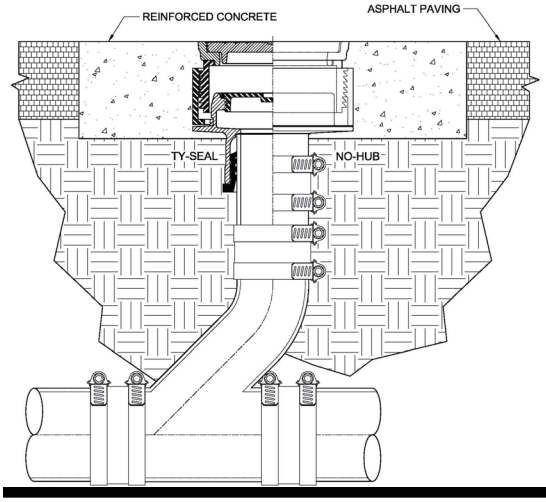


Figure 9
Installtion In Paved Area

Asphalt Paved Areas - These applications require special consideration. The top specified must be strong enough to safely carry the loads of anticipated traffic. Also, provision must be made for adequate support. Wade recommends the cleanout be installed into a reinforced concrete pad of sufficient thickness for the anticipated wheel load (Figure 9). The pad must extend from the center of the cleanout a minimum of 12". This method is to keep weight from transferring to the connected piping. Wade cleanouts 6000-12, 8000-12, 8200-12 or 8401 are the preferred choice.

Elastomeric Floor Areas

The Suffix "E" (Figure 10) designates a wide flange that can be furnished on certain Wade floor cleanouts. This flange receives the membranes and coatings of a waterproof floor covering system.

These coverings are thin coatings which are installed in a series of trowel coats. The covering forms its own membrane, flashing and durable traffic surface. The wide flange is regularly furnished 4" wide. The usual covering is approximately 3/16" thick and may be applied over a subsurface such as concrete, gypsum or wood decks. This type of covering is particularly adaptable to flat roofs which are used for recreational purposes, balconies, area ways, plazas, sun decks, floors and corridors.

When a "E" flange is required on cleanouts other than those shown in the catalog, the Suffix "E" must be used with the model number. The flange will be 4" wide (minimum) with a 3/16" lip regularly furnished. If the waterproof deck covering is greater or less than 3/16", the lip dimension must be specified or the drain has to be set at the proper elevation by the plumbing contractor to compensate for these differences. Roughing dimensions of the body must be adjusted accordingly.



Figure 10
(-E) Wide Elastomeric Flange

Adjustable Tops

The Wade 6000 (Figure 11) & 8000 (Figure 12) Series floor cleanouts are available with over 40 different adjustable tops.

The housings have a either a NPSM threaded shank which threads into a ferrule or a two piece plastic threaded snap-on housing.

These types of cleanouts are particularly adaptable to two-pour construction, such as toilet rooms, shower rooms, locker rooms and other light duty finished areas. The top is easily adjusted when tile floor is being set.

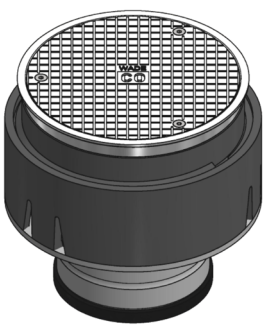


Figure 11

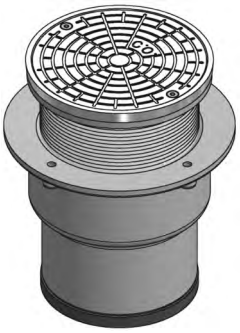
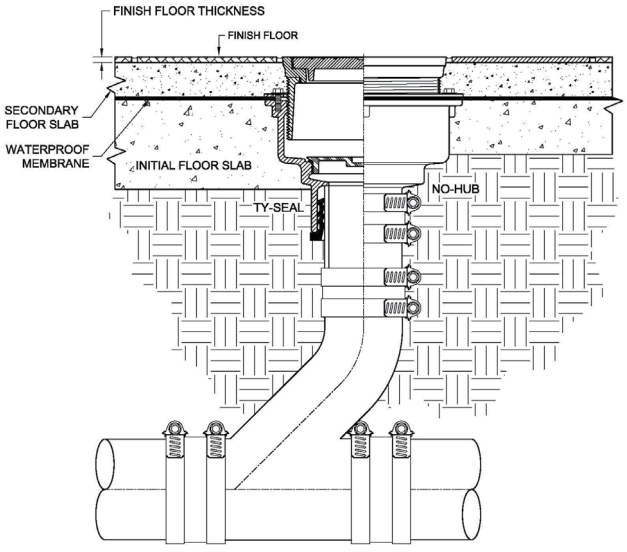


Figure 12

Clamp Devices

For two pour membrane style construction, a clamping ring (Figure 14) can be provided to secure the membrane to the ferrule.



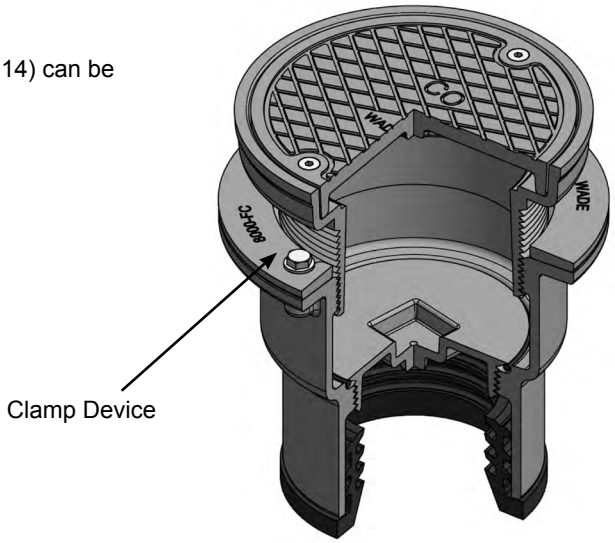


Figure 13

Carpeted Areas

Cleanouts in areas requiring carpet floors require special consideration. Wade offers two styles of floor cleanouts for these unique situations:

Suffix -CF Carpet Flange (Figure 14).

The adjustable cleanout assembly is installed with the cast iron frame flush with concrete slab. Carpet is cut to fit around cleanout frame. Carpet is clamped against slab with "Carpet Clamping Flange." Cover is then installed.



Figure 14

Suffix -CM Carpet Marker (Figure 15)

Used with 6000 and 8000 series cleanouts, a 1 1/4" diameter marker serves as cleanout locator in carpeted floors.

When access to drain line is required, carpet over the cleanout is cut for accessibility to closure plug. After drain line is cleaned, carpet is replaced and marker reinstalled.



Figure 15

ADJUST TO FINISH FLOOR CLEANOUT
8010 (Figure 16) The Double Adjust

Designed to eliminate a common problem associated with adjustable cleanouts; tops recessed below finished floors after installation.

Often, during the concrete pour, the cleanout is adjusted to the level of the concrete, without allowance for the finish floor thickness. Thicker finish floor surfaces when applied, leave the top of the cleanout recessed which is unsightly and potentially unsafe, as they can create a tripping hazard.

The double adjust allows for an easy post pour adjustment, bringing the top surface of the cleanout level with the finish floor. Available with either cast iron or high strength reinforced nylon shanks, the top is engineered to withstand the loads encountered in construction. An integral plastic cap offers protection during construction. It is simply removed after construction.



Figure 16

Connections

The means by which a cleanout becomes an integral part of the drainage system should be considered so that proper outlets compatible to the connected piping material are used. There are several basic outlet connections to consider and each is dependent upon the piping material, contractor preference and occasionally, the plumbing code requirements. Wade offers several basic connection types as well as various special connections as required.

NO-HUB (Hubless) (Figure 16)
The cleanout outlet is a shortened spigot for direct connection to hubless soil pipe of size and dimension conforming to CISPI specification 301. This connection uses the very popular No-Hub coupling consisting of a neoprene sealing sleeve surrounded by a corrugated stainless steel shield with multiple band clamps.

Ty-Seal (Push-On) (Figure 17)
Wade Ty-Seal gaskets are available for use with cast iron, plastic, steel or glass pipe. Installation of your floor cleanouts using Ty-Seal Push-On can represent a significant reduction in time and labor costs over conventional caulk or NO-HUB installations.

Ty-Seal Push-On cleanouts are available on most bottom outlet models by specifying (TY) and piping material used. Ty-Seal outlets accommodate cast iron SV or No-Hub Pipe as well as Schedule 40 steel and PVC Pipe in 2", 3" and 4" sizes. If 6" Schedule 40 steel or PVC is specified, a special gasket, suffix (TX) is required. The Ty-Seal joint consists of a hub outlet body and a factory inserted neoprene gasket. The installer simply lubricates the plain end of the spigot and the inside of the gasket, then pushes the body down over the pipe until contact is made with the internal stop of the hub. The installation eliminates the need for hot lead, caulking irons, NO-HUB clamps, etc.

Inside Caulk (Figure 18)
One of the oldest connection methods available, inside caulk relies on lead and oakum to seal. The pipe inserts into a hub on the bottom of the drain body with the annular space between the body and pipe allowing the "caulking" from above. Care must be taken to insure the pipe outside diameter is compatible to the caulk hub. Inside caulk may be used for a variety of pipe materials and sizes but is specifically designed for cast iron hubless or hub and spigot soil pipe.

Caulk Support Straps (By Others)
A caulk support strap eliminates the need for supports for the drain during the caulking operation. Its unique design allows it to be used on 2, 3 or 4" service weight or extra heavy pipe. The installer secures the strap in place, then rests the inside caulk outlet drain on the caulk support strap. The strap supports the drain body weight and the force created by the caulking operation without slipping.

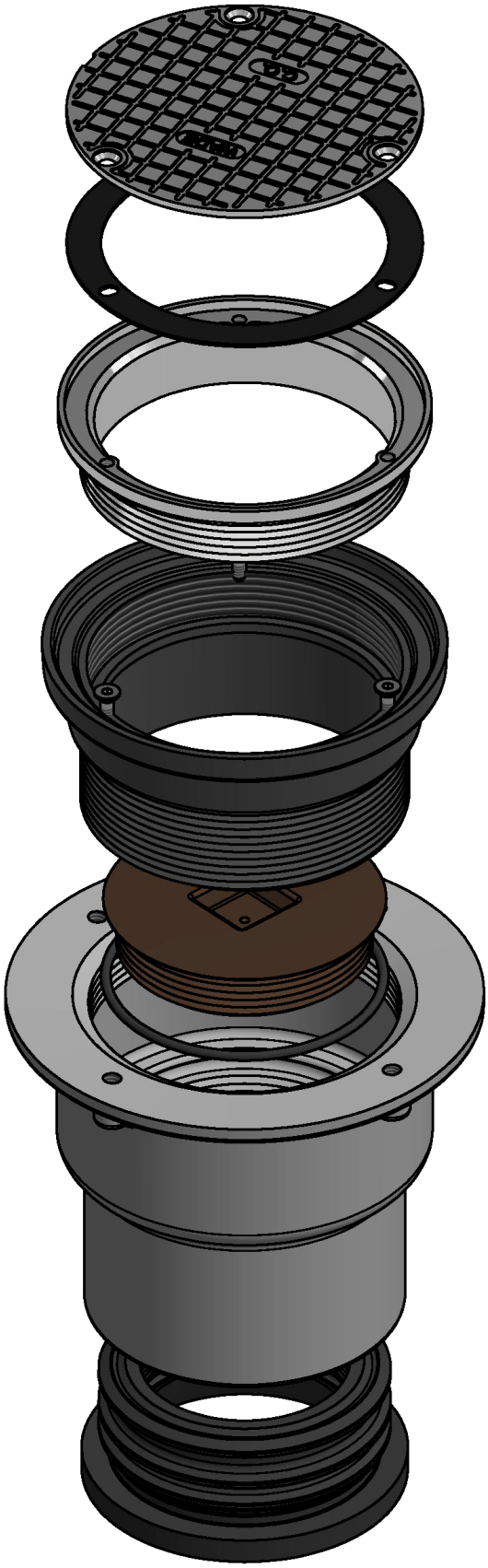
To eliminate the higher cost and environmentally evasive effects of lead and oakum, donut gaskets are available from various sources. The inside surface of the gasket is lubricated, pressed in place down over the pipe and lightly tapped until flush with the top of the pipe. Installation is fast and simple and the caulk support strap may be left in place or reused.

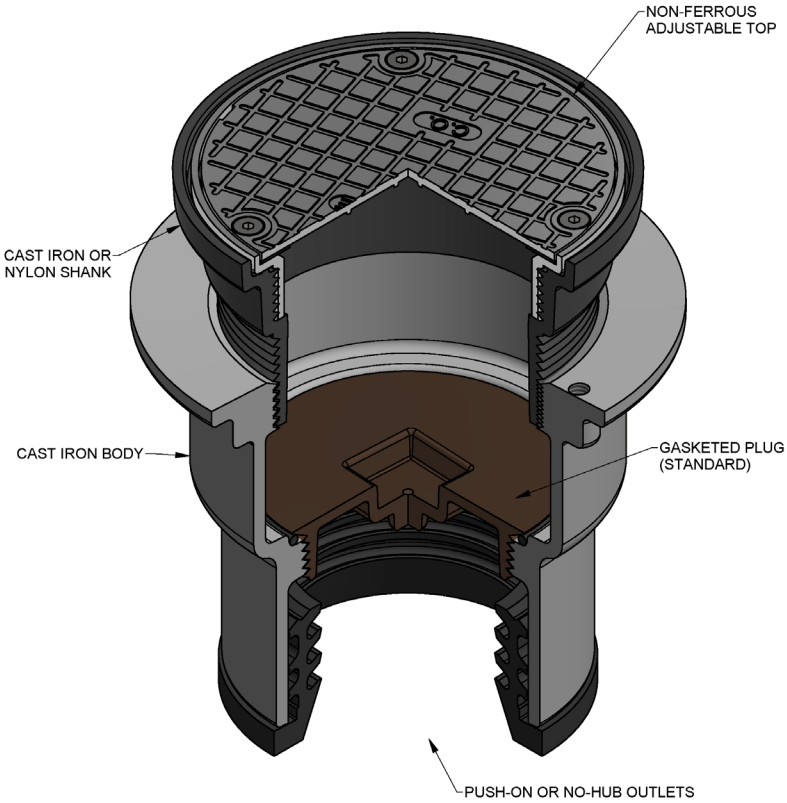
Threaded
A female NPT threaded connection is available on many Wade cleanouts and accommodates many IPS piping materials including steel, stainless steel, plastic and cast iron. It will also accept male threaded adapters

ADJUST TO FINISH FLOOR CLEANOUT
The Double Adjust

Designed to eliminate a common problem associated with adjustable cleanouts; tops recessed below finished floors after installation. Often, during the concrete pour the cleanout is adjusted to the level of the concrete, without allowance for the finish floor thickness. Thicker finish floor surfaces when applied, leave the top of the cleanout recessed which is unslightly and potentially unsafe, as they can create a tripping hazard. The double adjust allows for an easy post pour adjustment, bringing the top surface of the cleanout level with the finish floor.

Available with either cast iron or high strength reinforced nylon shanks, the top is engineered to withstand the loads encountered in construction. An integral plastic cap offers protection during construction. It is simply removed after construction.

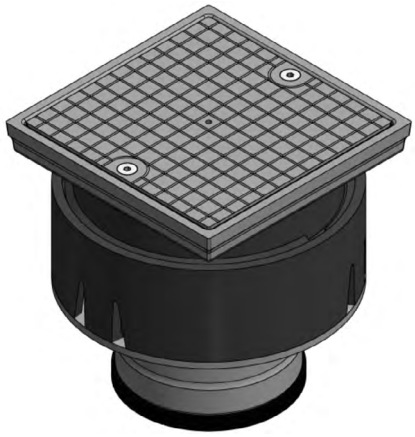
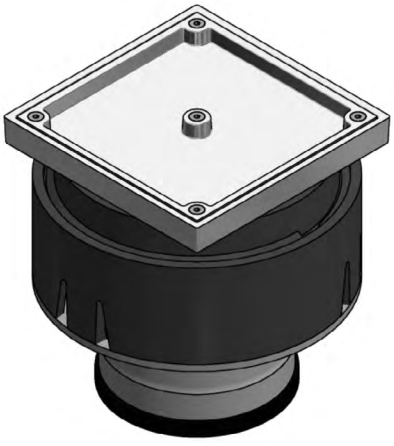




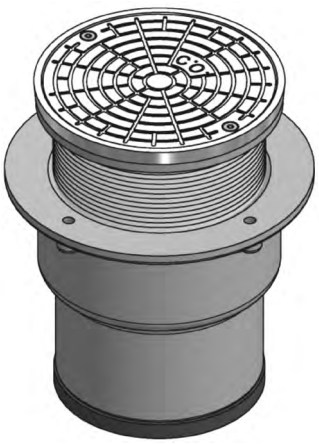
6000 Series Available Tops

		
(-1 or -2) Standard Round	**(-TR) 1/8" Recess**	**(-CF) Carpet Flange**
		
(-12) Round Ductile Iron	**(-UR) 3/8" Recess**	**(-CM) Carpet Marker**
		
(-85) Stainless Steel	**(-XT) Heavy Duty w/ 1/8" Recess**	**(-XR) Heavy Duty**

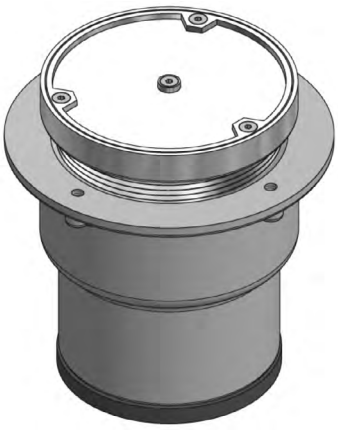
6000 Series Available Tops

		
(-E) Wide Flange	(-DT) Wide Flane w/ 1/8" Recess	(-S) Standard Square
		
(-S-85) Square Stainless Steel	(-XS) Square Heavy Duty	(-S-12) Square Ductile Iron
		
(-TS) Square w/ 1/8" Recess	(-US) Square w/ 3/8" Recess	(-Z-1) Ductile Iron w/ NB Veneer

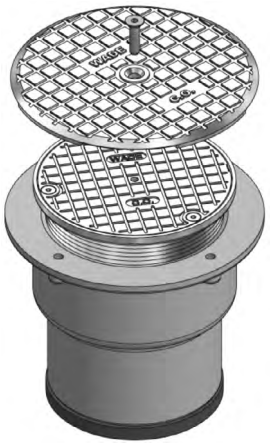
8000 Series Available Tops



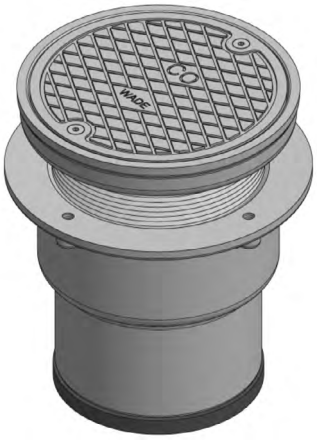
(-1 or -2) Standard Round



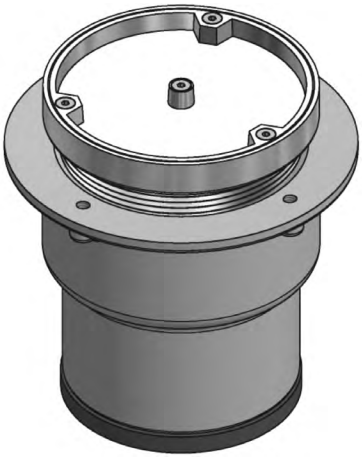
(-TR) 1/8" Recess



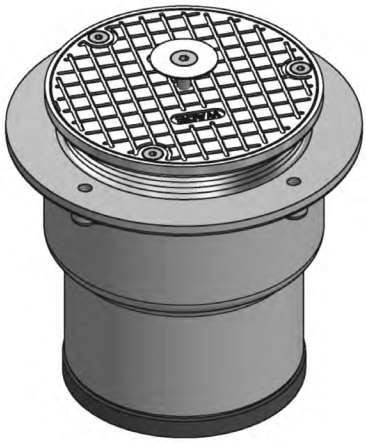
(-CF) Carpet Flange



(-12) Round Ductile Iron



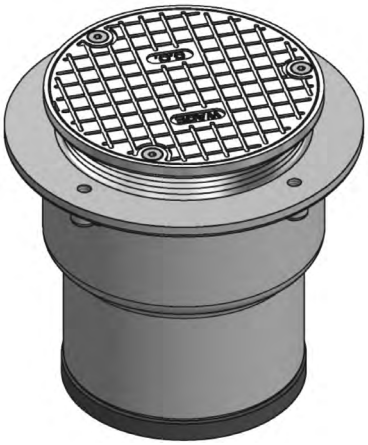
(-UR) 3/8" Recess



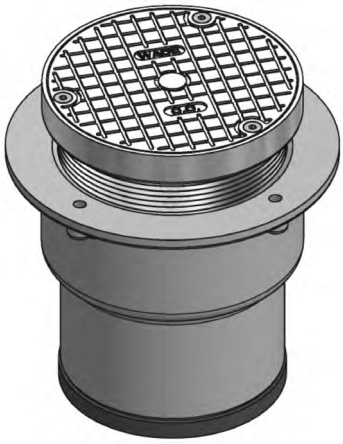
(-CM) Carpet Marker



(-85) Stainless Steel

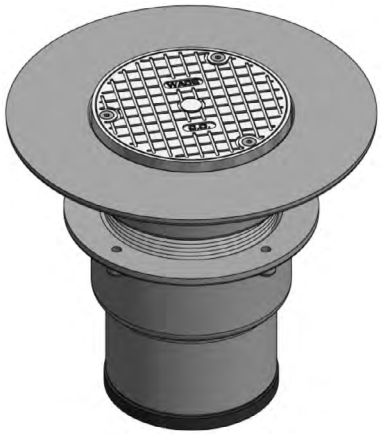
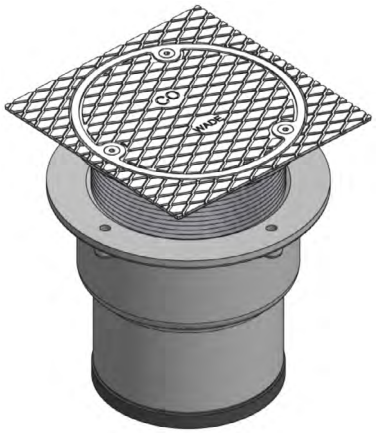
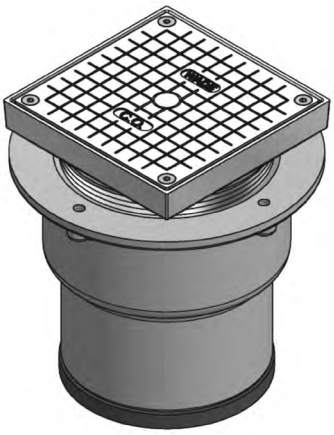
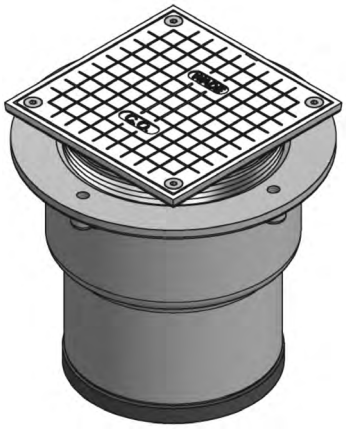
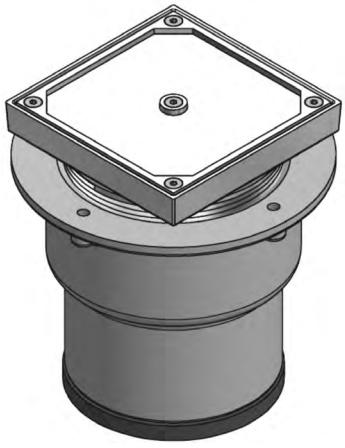
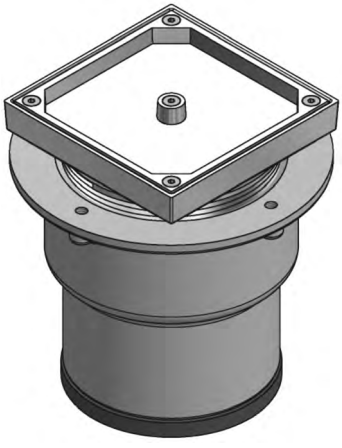


(-R) Round (All Brass)

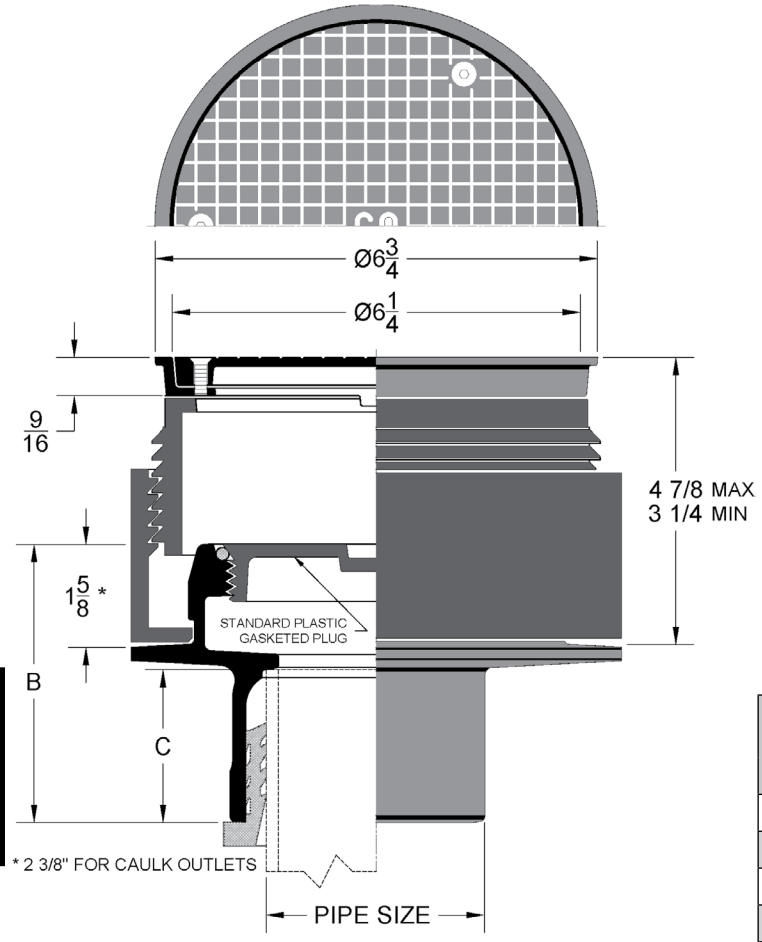


(-XR) Heavy Duty

8000 Series Available Tops

		
(-DB or -DC) Double Adjust	(-E) Wide FLange	(-RF) Floor Clamp
		
(-S) Standard Square	(-S-85) Square Stainless Steel	(-XS) Square Heavy Duty
		
(-SB) Square (All Brass)	(-TS) Square w/ 1/8" Brass	(-US) Square w/ 3/8" Recess

6000 Adjustable Floor & Grade Cleanout



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty



6000-1-3TY

Pipe Size	Push-On	Push-On	No-Hub	Inside Caulk
	B	C	B	B
2"	4-1/4	2-3/8	4-1/4	6-1/2
3"	4-1/4	2-3/8	4-1/4	6-1/2
4"	4-1/4	2-1/2	4-1/4	6-1/2
5"	4-1/4	2-1/2	4-1/4	N/A
6"	4-3/8	2-5/8	4-1/4	N/A

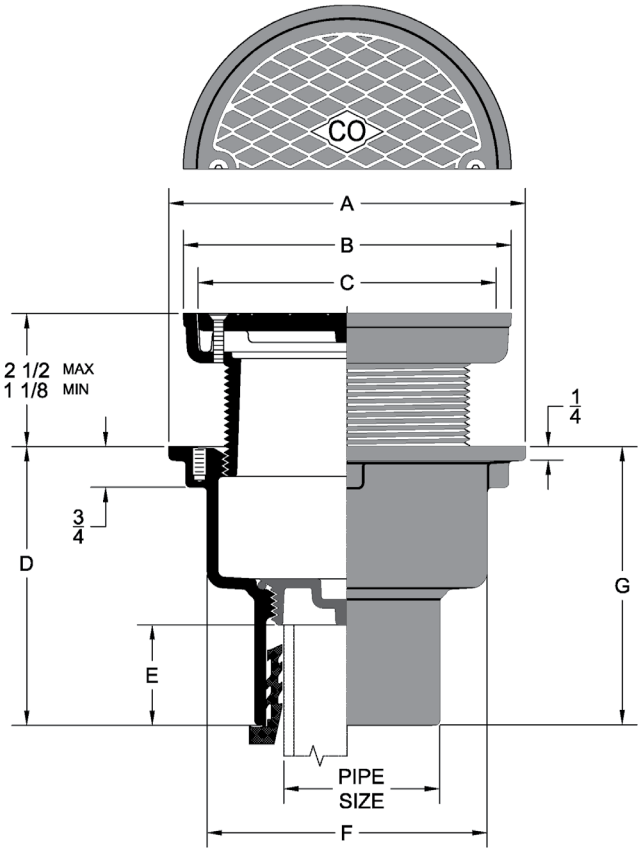
Pipe Size	Ferrule Only	Cast Iron Ferrule w/				Wt. Lbs.
		-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel	
2"	239.00	1,240.00	1,116.00	1,014.00	1,491.00	11.2
3"	306.00	1,308.00	1,202.00	1,154.00	1,560.00	11.2
4"	748.00	1,750.00	1,628.00	1,378.00	2,004.00	11.2
5"	1,840.00	2,841.00	2,729.00	2,397.00	3,092.00	15.2
6"	1,840.00	2,841.00	2,729.00	2,397.00	3,092.00	15.2

Regularly Furnished: Cast iron cleanout with plastic threaded adjustable housings, flanged ferrule, integral clamping collar, ABS plug, & scoriated top.

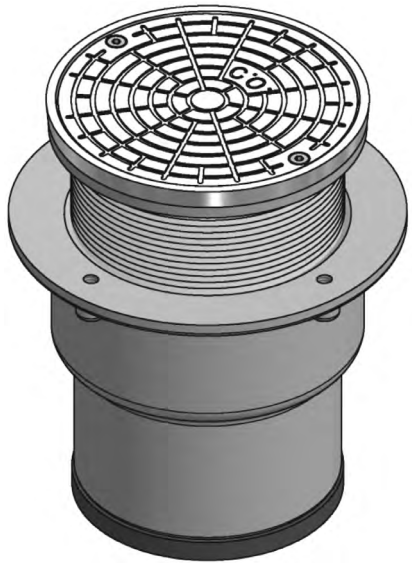
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		699.00
CF	Carpet Flange * (-1 or –2 Only)		568.00
CM	Carpet Marker		156.00
DT	Tile Cover w/ Elastomeric Flange*(-1 or –2 Only)		936.00
E	Elastomeric Flange* (-1 or –2 Only)		936.00
S	Square Cover *		N/C
TR	Round Tile Floor Cover * (-1 or –2 Only)		N/C
TS	Square Tile Floor Cover * (-1 or –2 Only)		N/C
UR	Round Terrazzo Floor Cover * (-1 or –2 Only)		693.00
US	Square Terrazzo Floor Cover * (-1 or –2 Only)		693.00
VP	Vandal Proof Top Assembly		141.00
XR	Heavy Duty Round Cover (Standard on –12)		312.00
XS	Heavy Duty Square Cover		312.00
Z-1	Ductile Iron Cover w/ Nickel Bronze Veneer		312.00
39	Galvanized Cast Iron		440.00
75	Bronze Plug in Lieu of ABS	2",3",4"	386.00
		5".6"	1,217.00
81	Gasketed Cover		602.00
83	Special Marking		386.00

8000 Adjustable Floor & Grade Cleanout



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty



8000-1-3TY

Regularly Furnished: Cast iron cleanout with threaded, adjustable housing, flanged ferrule, ABS plug, & scoriated top.

Pipe Size	Dimensions (Inches)						
	A	B	C	D Ty-Seal	E	C	G No-Hub
2"	6 9/16	6	5 1/2	5 1/8	2 9/16	5 1/8	5 1/8
3"	6 9/16	6	5 1/2	5 1/8	2 9/16	5 1/8	5 1/8
4"	6 9/16	6	5 1/2	5 1/8	2 9/16	5 1/8	5 1/8
5"	8 1/2	7 1/2	6 1/8	5 3/4	2 3/4	7 3/8	5 5/8
6"	8 1/2	7 1/2	6 1/8	5 3/4	2 3/4	7 3/8	5 5/8
8"	10 5/8	9	7 7/8	7 3/8	3 1/8	9 1/2	7 1/2

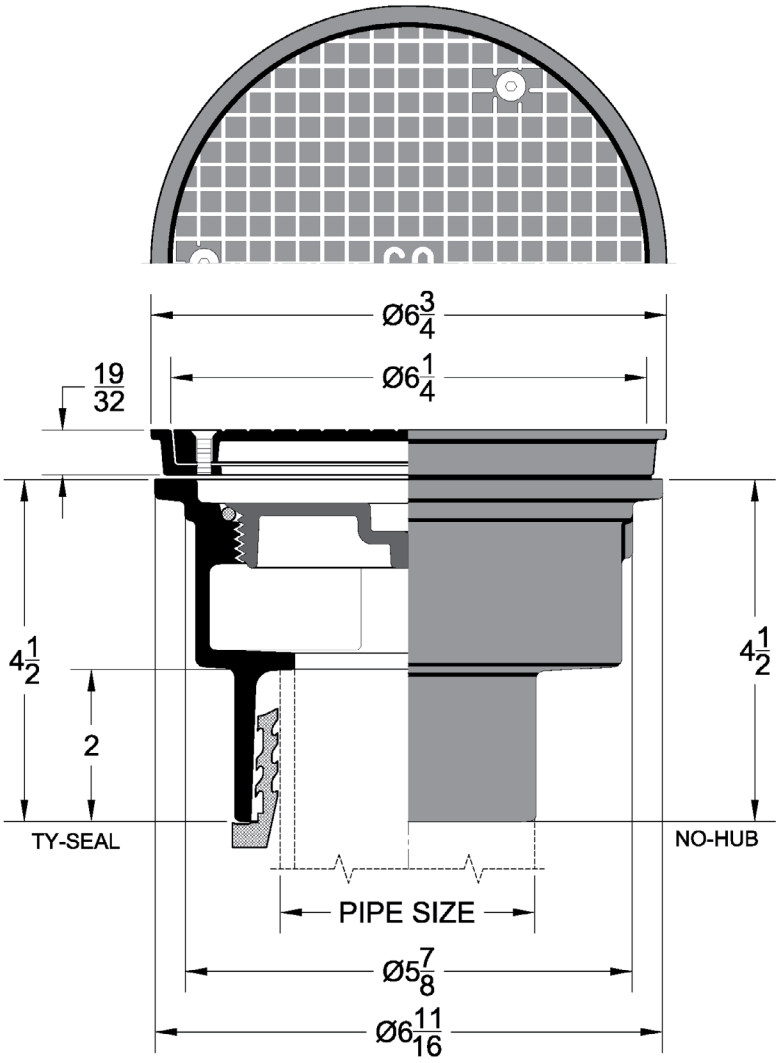
Pipe Size	Cast Iron Ferrule w/				Wt. Lbs.
	-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	
2"	1,240.00	1,116.00	1,014.00	1,491.00	10.8
3"	1,308.00	1,202.00	1,154.00	1,560.00	10.8
4"	1,750.00	1,628.00	1,378.00	2,004.00	10.8
6"	2,841.00	2,729.00	2,397.00	3,092.00	22
8"	3,246.00	3,159.00	2,841.00	-	33.5

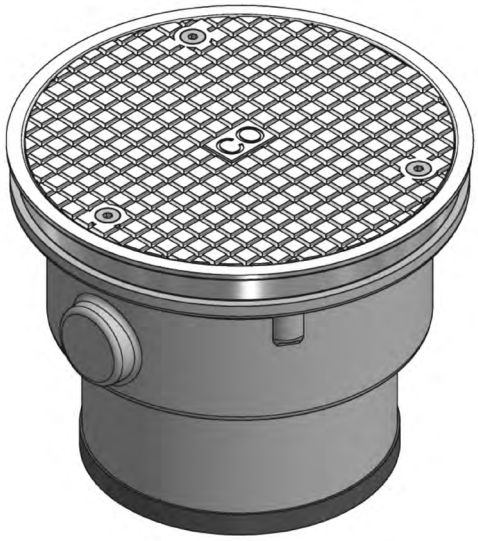
Outlet Variations		
Type	Designation	Add
No-Hub	2NH,3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)8TY	N/C

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating		699.00
CF	Carpet Flange * (-1 or –2 Only)		568.00
CM	Carpet Marker		156.00
E	Elastomeric Flange* (-1 or –2 Only)		936.00
RF	Flooring Clamp		2,109.00
S	Square Cover* (-1, -2 or –85 Only)		N/C
SB	Square Cover* (-1, -2 Only)		N/C
TR	Round Tile Floor Cover * (-1 or –2 Only)		N/C
TS	Square Tile Floor Cover * (-1 or –2 Only)		N/C
UR	Round Terrazzo Floor Cover * (-1 or –2 Only)		693.00
US	Square Terrazzo Floor Cover *(-1 or –2 Only)		693.00
VP	Vandal Proof Top Assembly		141.00
X	Heavy Duty Cover * (Standard on –12)		312.00
XS	Heavy Duty Square Cover * (-1 or –2 Only)		312.00
26	Clamping Ring		214.00
39	Galvanized Cast Iron		440.00
75	Bronze Plug in Lieu of ABS	2",3",4"	386.00
		6",8"	1,217.00
81	Gasketed Cover		602.00
83	Special Marking		386.00

8200 Floor & Grade Cleanout

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty





8200-1-3TY

Pipe Size	-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	Wt. Lbs.
2"	860.00	827.00	680.00	1,034.00	6.8
3"	1,276.00	1,155.00	905.00	1,457.00	6.8
4"	1,276.00	1,155.00	905.00	1,457.00	6.8

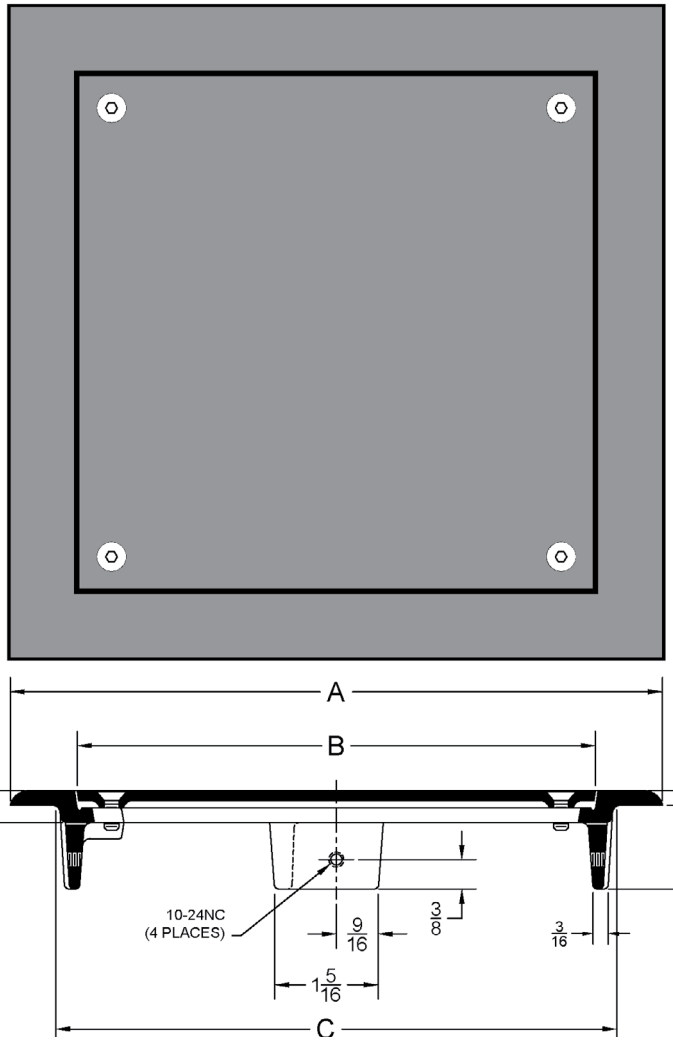
Regularly Furnished: Cast iron cleanout with ABS plug, & scoriated top.

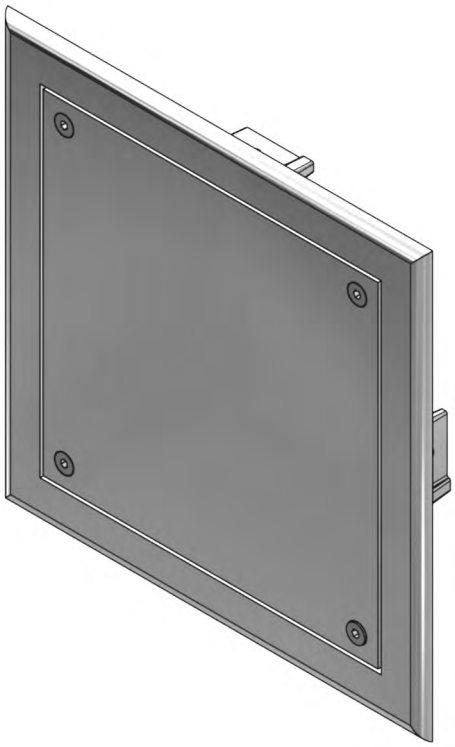
Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	699.00
CF	Carpet Flange * (-1 or –2 Only)	568.00
CM	Carpet Marker	159.00
E	Elastomeric Flange* (-1 or –2 Only)	936.00
S	Square Cover* (-1, -2 or –85 Only)	N/C
TR	Round Tile Floor Cover * (-1 or –2 Only)	N/C
TS	Square Tile Floor Cover * (-1 or –2 Only)	N/C
UR	Round Terrazzo Floor Cover * (-1 or –2 Only)	693.00
US	Square Terrazzo Floor Cover *(-1 or –2 Only)	693.00
VP	Vandal Proof Top Assembly	141.00
X	Heavy Duty Cover * (Standard on –12)	312.00
39	Galvanized Cast Iron	441.00
75	Bronze Plug in Leiu of ABS	386.00
83	Special Marking	386.00

** Dimensions vary from illustration*

8303 Square Wall Access Panel (Replaces 8480-ST)





8303-8-1

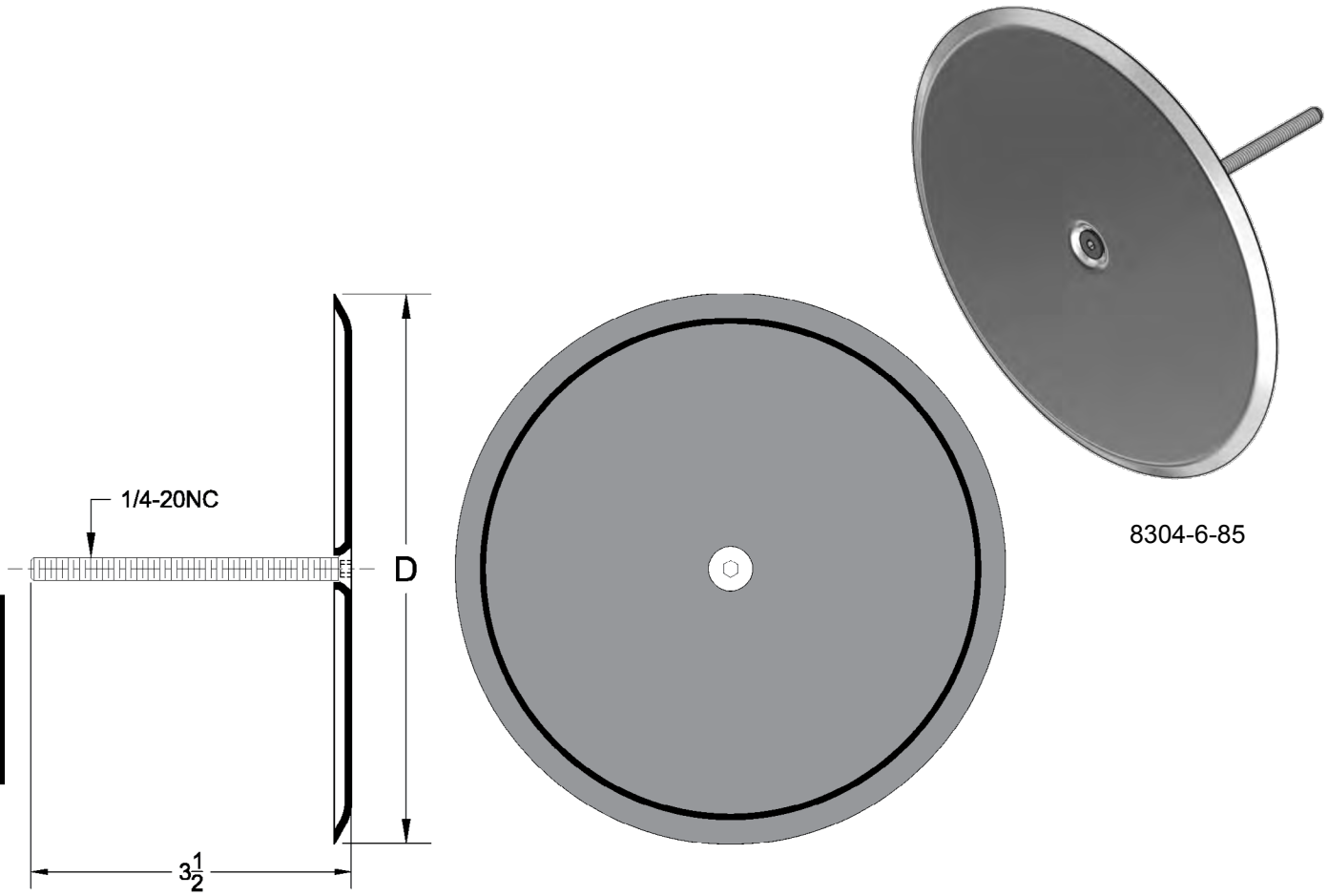
Size	-1 Satin Finish Nickel Bronze Frame w/ S/S Cover	-85 Satin Finish S/S Frame w/ S/S Cover	Wt. Lbs.
6"	-	1,269.00	3.0
8"	1,852.00	1,852.00	5.0
10"	-	2,006.00	7.0
12"	-	2,162.00	11.0

Regularly Furnished: Square access cover & frame. Cleanout ferrules & tees are optional.

Suffix Options		
Suffix	**Description**	**Add**
COF2	2" No-Hub Cleanout Ferrule with ABS Plug	197.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug	299.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug	410.00
COF5	5" No-Hub Cleanout Ferrule with ABS Plug	605.00
COF6	6" No-Hub Cleanout Ferrule with ABS Plug	833.00

Suffix Options			
Suffix	**Description**		**Add**
COT2	2" No-Hub Cleanout Tee with ABS Plug		453.00
COT3	3" No-Hub Cleanout Tee with ABS Plug		567.00
COT4	4" No-Hub Cleanout Tee with ABS Plug		873.00
COT5	5" No-Hub Cleanout Tee with ABS Plug		1,636.00
COT6	6" No-Hub Cleanout Tee with ABS Plug		2,487.00
VP	Vandal Proof Screws		141.00
39F	Galvanized Cleanout Ferrule		315.00
39T	Galvanized Cleanout Tee		441.00
75	Bronze Plug in Lieu of ABS	2",3",4"	386.00
		5",6"	1,217.00
83	Special Marking		386.00
164	Smooth Cover		N/C

8304 Round Wall Cleanout Access Cover



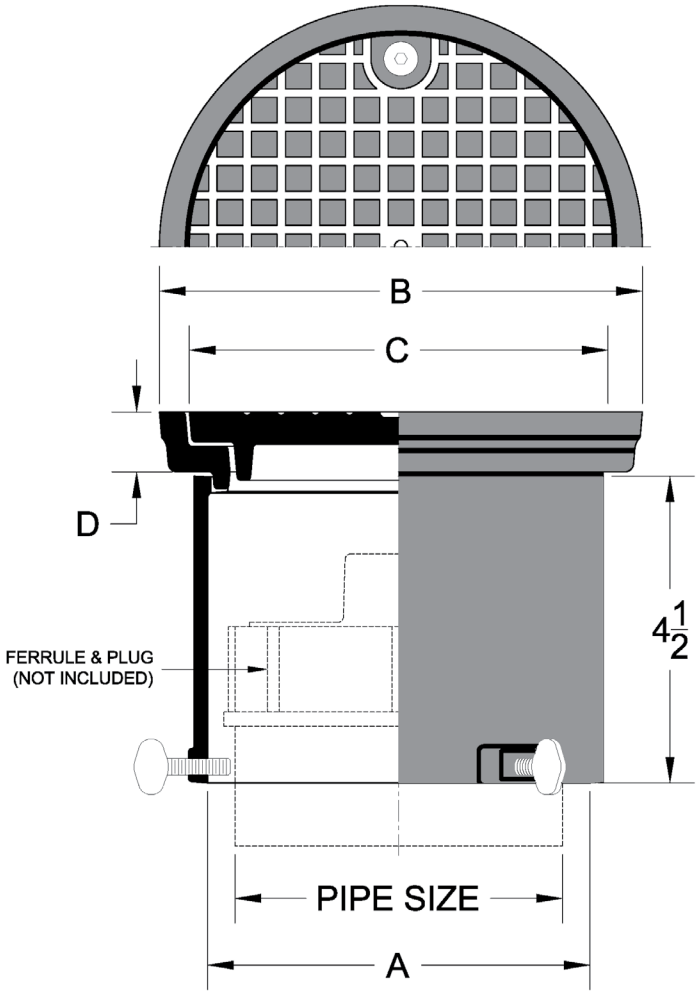
Size	D	Required for Plug Sizes	-85 Stainless Steel Cover	Wt. Lbs.
6"	6	1-1/2" - 3-1/2"	363.00	0.5
8"	8	4" - 5"	644.00	0.8
10"	10	6" - 8"	1,000.00	1.0

Regularly Furnished: Round, polished stainless steel cleanout access cover with securing screw. Cleanout ferrules & tees are optional.

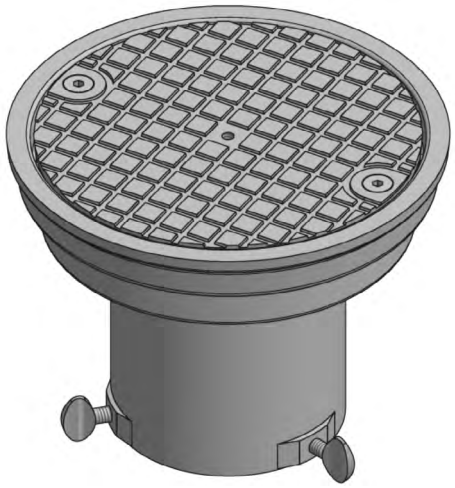
Suffix Options			
Suffix	**Description**		**Add**
VP	Vandal Proof Screws		141.00
39F	Galvanized Cleanout Ferrule		315.00
39T	Galvanized Cleanout Tee		441.00
75	Bronze Plug in Lieu of ABS	2",3",4"	386.00
		5",6"	1,217.00
83	Special Marking		386.00

Ferrule & Tee Options		
Suffix	**Description**	**Add**
COF2	2" No-Hub Cleanout Ferrule with ABS Plug	197.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug	299.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug	410.00
COF5	5" No-Hub Cleanout Ferrule with ABS Plug	605.00
COF6	6" No-Hub Cleanout Ferrule with ABS Plug	833.00
COT2	2" No-Hub Cleanout Tee with ABS Plug	453.00
COT3	3" No-Hub Cleanout Tee with ABS Plug	567.00
COT4	4" No-Hub Cleanout Tee with ABS Plug	873.00
COT5	5" No-Hub Cleanout Tee with ABS Plug	1,636.00
COT6	6" No-Hub Cleanout Tee with ABS Plug	2,487.00

8400 Floor Access Housing



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty



8400-1-2SJ

Pipe Size	Cast Iron Body w/			
	-1 Satin Finish Nickel Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	Wt. Lbs.
2"	818.00	598.00	996.00	5.3
3"	1,223.00	882.00	1,346.00	5.7
4"	1,223.00	882.00	1,346.00	6.0

Pipe Size	(1) Nickel Bronze or (2) Satin Bronze or (85) Stainless Steel Top			
	A	B	C	D
2"	3-11/32	6-25/32	6-7-32	19/32
3"	4-23/32	6-25/32	6-7/32	19/32
4"	5-19/32	6-25/32	6-7/32	19/32
Pipe Size	**(12) Ductile Iron Top**			
2"	3-11/32	7	6-1/8	7/8
3"	4-23/32	7	6-1/8	7/8
4"	5-19/32	7	6-1/8	7/8

Ferrule Options		
Suffix	**Description**	Add
COF2	2" No-Hub Cleanout Ferrule with ABS Plug	197.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug	299.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug	410.00

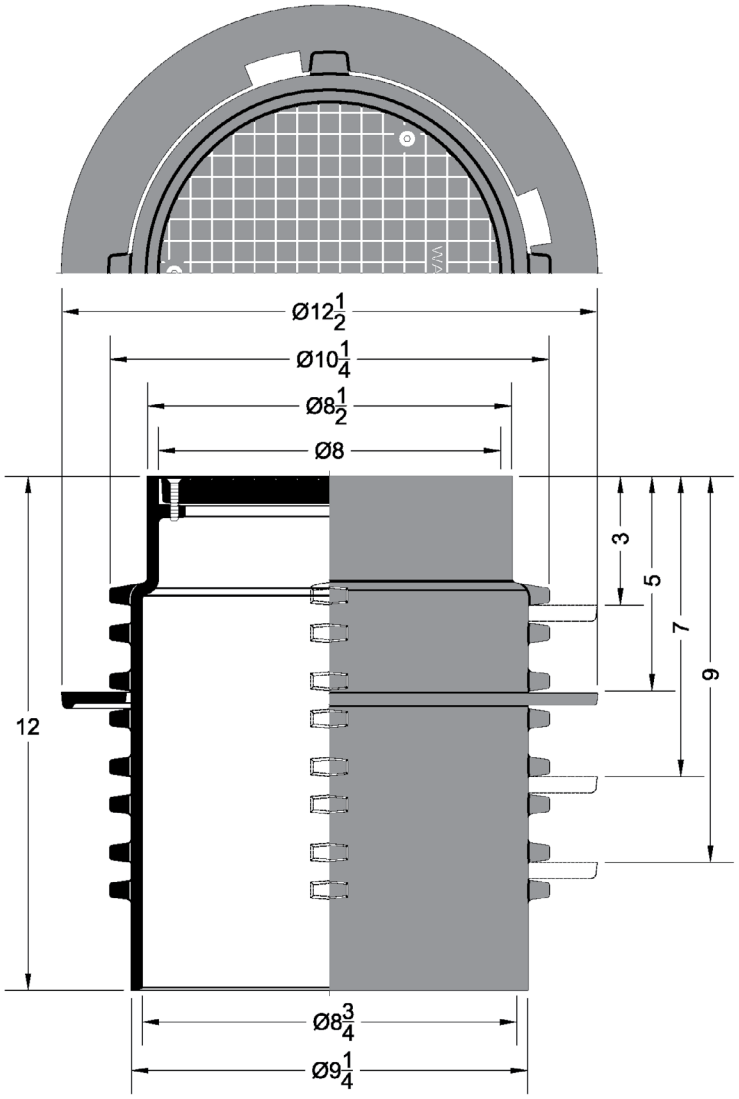
Regularly Furnished: Cast iron floor access housing with round scoriated cover & frame and thumb screws.

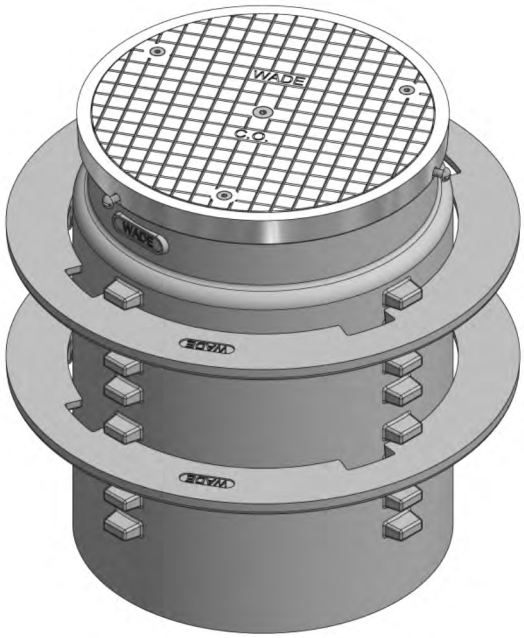
Connection Type		
Type	Designation	Add
Slip Joint	2SJ,3SJ,4SJ	N/C

Suffix Options		
Suffix	**Description**	**Add**
CM	Carpet Marker*	159.00
VP	Vandal Proof Top Assembly	141.00
X	Heavy Duty Cover (Standard on –12)	312.00
S	Square Top *	N/C
39	Galvanized Cast Iron	284.00
75	Bronze Plug in Lieu of ABS in Cleanout Ferrules	386.00
83	Special Marking	386.00

8401 Grade & Floor Cleanout Access Housing

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Special Duty





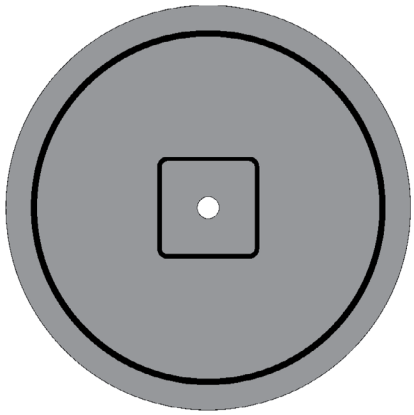
8401-1

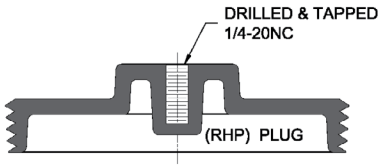
Cast Iron Body w/			Wt. Lbs.
-1 Satin Finish Nickel Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	
$3,964.00	2,757.00	3,774.00	35.0

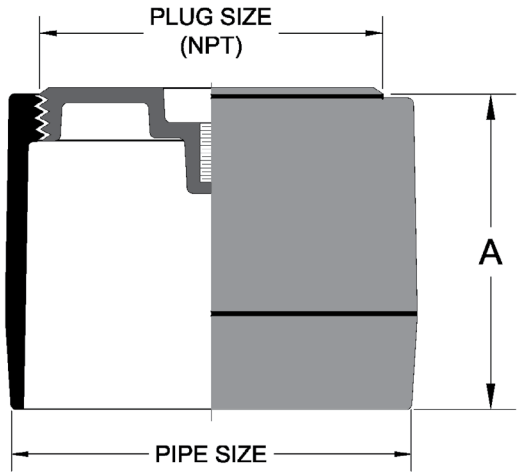
Regularly Furnished: Cast iron access housing with adjustable anchor flange & extra heavy duty secured scoriated cover.

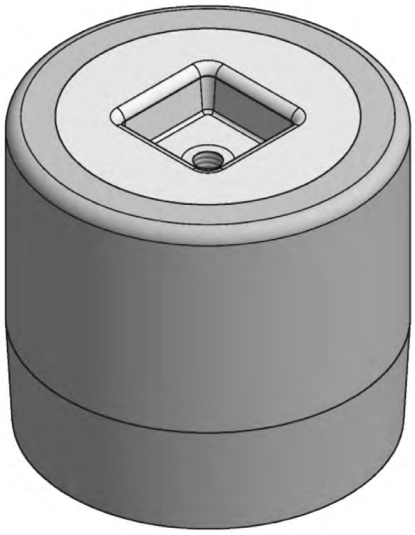
Suffix Options			
Suffix	**Description**		**Add**
CM	Carpet Marker*		159.00
COF2	2" No-Hub Cleanout Ferrule with ABS Plug		197.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug		299.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug		410.00
COF5	5" No-Hub Cleanout Ferrule with ABS Plug		605.00
COF6	6" No-Hub Cleanout Ferrule with ABS Plug		833.00
VP	Vandal Proof Screws		194.00
39F	Galvanized Cleanout Ferrule		272.00
75	Bronze Plug in Lieu of ABS	2",3",4"	386.00
		5",6"	1,217.00
81	Gasketed Cover		647.00
83	Special Marking		386.00

8550 Cleanout Ferrule & Plug









8550-4NH-75

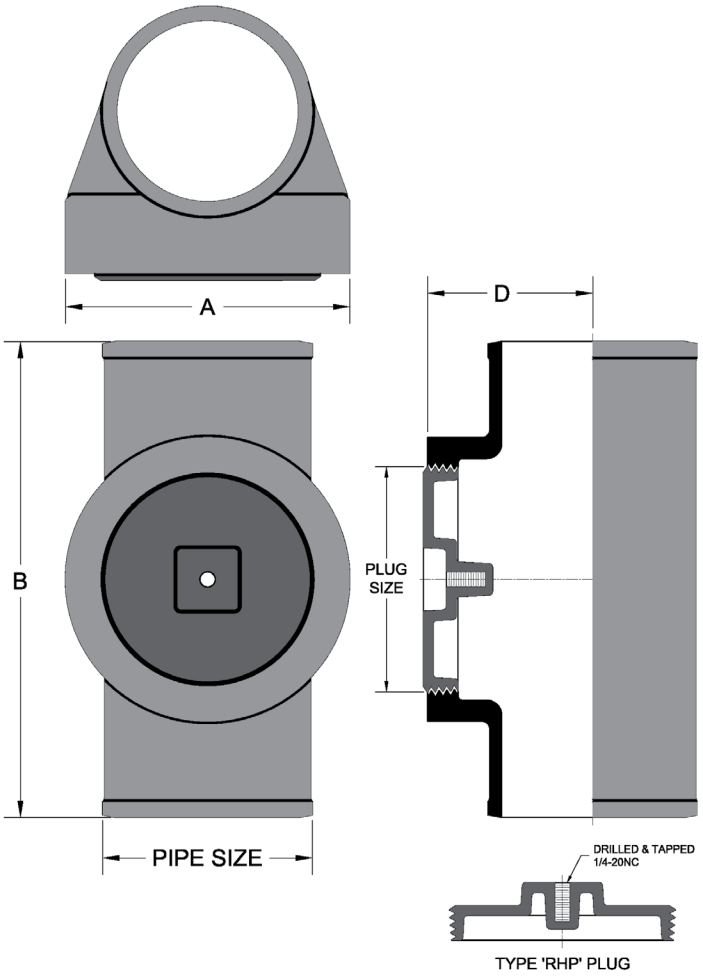
Pipe Size	Plug Size	A	Regularly Furnished	Wt. Lbs.
2"	1-1/2"	2-3/4	208.00	1.5
3"	2-1/2"	3	317.00	2.5
4"	3-1/2"	3-1/4	436.00	4.0
5"	4"	4-3/8	605.00	6.0
6"	5"	4-1/2	882.00	9.0
8"	6"	4-5/8	1,637.00	16.0
10"	6"	4-1/2	2,405.00	20.3
12"	6"	5-1/4	3,719.00	26.3

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6NH,8NH,10NH,12NH	N/C

Suffix Options			
Suffix	**Description**		**Add**
RHP	Raised Head Plug		N/C
39	Galvanized Cast Iron		272.00
75	Bronze Plug in Lieu of ABS	2,3,4"	386.00
		5",6"	1,217.00

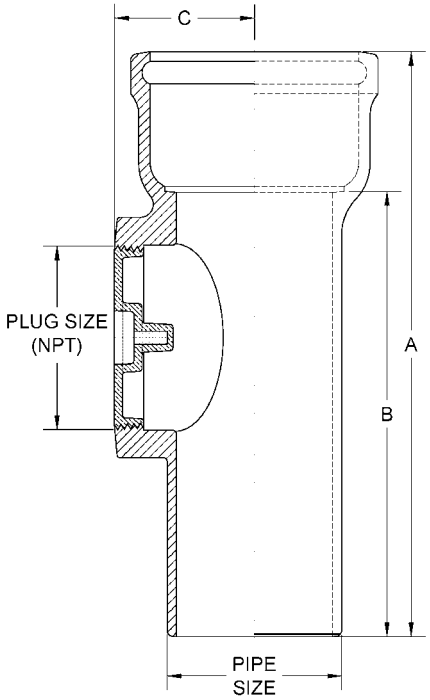
Regularly Furnished: Cast iron cleanout ferrule with countersunk ABS plug. Sizes 8", 10" and 12" furnished with brass plug.

8560 Cleanout Tee & Plug





8560-3TY-75



Pipe Size	Plug Size	A	B	D	Regularly Furnished	Wt. Lbs.
2"	2"	3-1/4	6-3/8	2	480.00	8.0
3"	3"	4-5/8	7/3/4	2-3/4	600.00	15.0
4"	4"	3-1/4	8/7/8	4-1/2	932.00	16.0
5"	5"	5-3/4	11-1/2	5-3/4	1,636.00	16.3
6"	6"	8-5/16	12-1/2	6-1/4	2,627.00	35.0
8"	8"	10-1/4	15-1/4	7-5/8	3,263.00	49.0
10"	10"	12	20	10	2,405.00	59.0

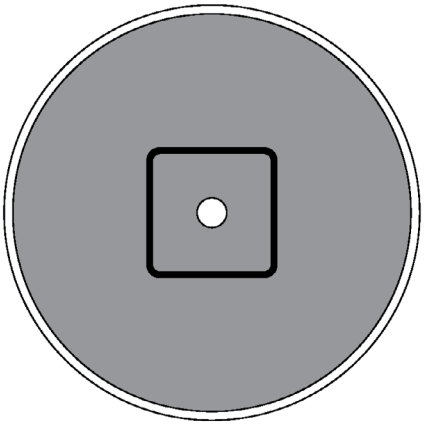
Regularly Furnished: Cast iron cleanout tee with countersunk ABS plug. Sizes 8" and 10 furnished with brass plug.

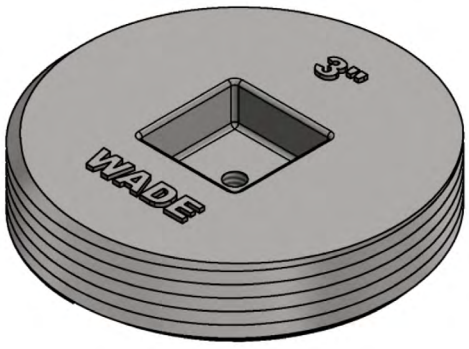
Suffix Options			
Suffix	**Description**		**Add**
RHP	Raised Head Plug		N/C
39	Galvanized Cast Iron		441.00
75	Bronze Plug in lieu of ABS	2,3,4"	386.00
		5",6"	1,217.00

Pipe Size	2"	3"	4"	5"	6"	8"
Plug Size	2"	3"	4"	5"	6"	6"
A	10-3/8	12-3/4	13-7/8	15	16	16
B	7-7/8	10	10-7/8	12	12	12-1/2
C	4-1/4	5-1/2	6	7-1/8	7-1/8	7

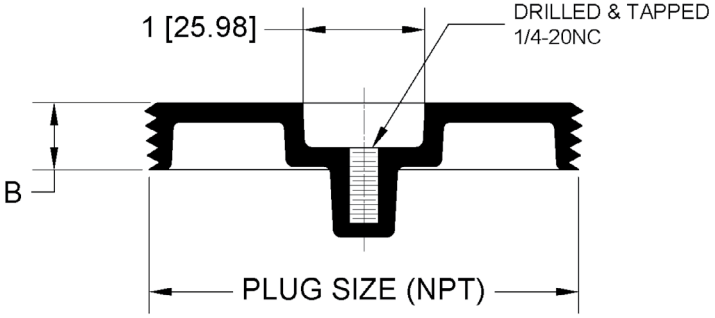
Connection Type		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6NH,8NH,10NH	N/C
Hub & Spigot	2TY,3TY,4TY,5TY,6TY,8TY,10TY	N/C

8590 Cleanout Plug

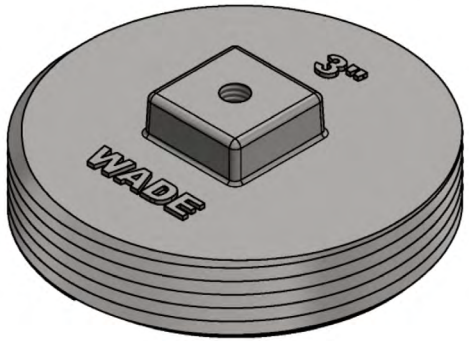




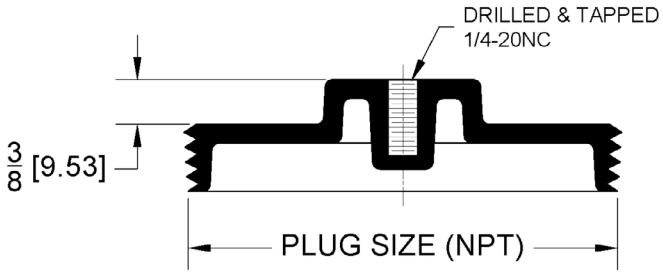
8590-3IPS



COUNTERSUNK PLUG



8590-3IPS-RHP



RHP (RAISED HEAD PLUG)

Plug Size	B	(-75) Brass	ABS Plastic	Wt. Lbs.
1-1/2"	7/16"	101.00	92.00	0.5
2"	7/16"	227.00	98.00	0.5
2-1/2"	5/8"	288.00	126.00	0.8
3"	3/4"	315.00	170.00	0.8
3-1/2"	3/4"	334.00	280.00	1.0
4"	13/16"	363.00	310.00	1.5
5"	15/16"	1,044.00	453.00	1.5
6"	1"	1,398.00	485.00	3.0
8"	1"	2,865.00	-	7.0

Regularly Furnished: ABS plastic countersunk plug, tapped for screw.

Suffix Options		
Suffix	**Description**	**Add**
RHP	Raised Head Plug (-75 Only)	N/C
266	Plug Wrench	$168.00