ROOF DRAINS

INDEX	
Application	**Product Recommendation**
Large Area Main Roof Drains	3000, 3001, 3007
Flow Controlled Roof Drains	3007
Medium Area Main Roof Drains	3011
Small Area Main Roof Drains	3012
Dual Outlet Drains / Combination Drains	3041, 3042, 3043, 3044, 3046
Roof Receptor Drains	3061, 3062, 3063
Deck Drains	3101, 3105, 3111, 3115, 3121, 3150
Cornice / Balcony Drains	3230, 3240, 3241
Parapet / Scupper Drains	3270, 3290
Green Roof Drains	3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358,3359
Vent Stack Sleeves / Couplings / Caps	3600
Expansion Joints	3900
Downspout Boots / Nozzles / Covers	3940, 3941, 3942, 3950

How to Specify

3000-42-3NH-ADF

Series Number (Required)

Finish & Materials (Required)

Connection Type & Size (Required)

Miscellaneous Options (As Needed)



Wade is a Leader In Siphonic Roof Drainage Systems with hundreds of successful installations in the United States and Canada.

Our Extensive Line of Siphonic Solutions is Cataloged in a Separate Brochure, plus we offer design assistance to the qualified design professional.

Please Contact your Local Wade Sales Representative for Details

Based on National Plumbing Code (Consult local codes for roof areas)		
Steps for selecting roof drain leader sizes and quantity required for a given roof size		
Step	Requirement	Example
1	Calculate Total Roof Area	Total Roof Area—500’ by 270’ equals 135,000 Sq.Ft.
2	Determine maximum hourly rainfall in inches	For this example—Use 4" per/hr
3	Select Leader Size	Assume that 6" leaders are desired for this job
4	From Table 1, Determine the square feet that can be drained by one 6" roof leader at the maximum 4" hourly rainfall rate	From Table 1 One 6" Leader at 4" hourly rainfall rate will drain 13,500 square feet of roof area.
5	Divide the total roof area by the area that one 6" leader will accommodate. The result is the number of drains required for the building. If the result is fractional, use the next higher number	135,000 Square Feet (Total Roof Area) divided by 13,500 Square Feet (Maximum Rate for 6" Drain at 4" per hour) **135,000 ÷ 13,500 = 10** (10 DRAINS REQUIRED)

Table 1

Roof drain vertical leader requirements for roof areas at various rainfall rates

Leader (Pipe Size)	Open Area (Sq.In.)	Hourly Rainfall (Inches)									
		1	1-1/2	2	2-1/2	3	4	5	6	7	8
2	3.14	2,880	1,920	1,440	1,150	960	720	575	480	410	360
3	7.06	8,880	5,860	4,400	3,520	2,930	2,200	1,720	1,470	1,260	1,100
4	12.56	18,400	12,700	9,200	7,360	6,130	4,600	3,680	3,070	2,630	2,300
5	19.60	34,600	23,050	17,300	13,840	11,530	8,650	6,920	5,765	4,945	4,325
6	28.30	54,000	36,000	27,000	21,600	18,000	13,500	10,800	9,000	7,715	6,750
8	50.25	116,000	77,400	58,000	46,400	38,680	29,000	23,200	19,315	16,570	14,500

STEPS FOR CALCULATING DRAINAGE REQUIREMENTS USING GALLONS PER MINUTE (G.P.M.)

1. Use the following formula to determine G.P.M.
   G.P.M. = 0.0104 X R X A
   R = Rainfall intensity—inches/hour
   A = Roof Area—Square Feet
   0.0104 = Conversion Factor—G.P.M./Sq.Ft. for 1"/Hr Rainfall

2. Example:
   (a) 4" rainfall inches/hour
   (b) 135,000 Sq.Ft. Total Roof Area
   (c) G.P.M. = 0.0104 x 4" x 135,000 Sq.Ft.. = 5,616 GPM

3. Refer to Table 2: A 4" Leader will handle 192 GPM.

   5,616 GPM ÷ 192GPM = 29.25 - 30 Roof Drains (4") Required

If 6" Leaders are desired , a 6" Leader will handle 566 GPM thus:

   5,616 GPM ÷ 566GPM = 9.9 - 10 Roof Drain (6") Required.

Table 2

Allowable flow for vertical leaders and horizontal storm drains

Flow in Gallons Per Minute (GPM)

Pipe Size	Vertical Leader	Horizontal Leader (Slope / Ft.)		
		1/8"	1/4"	1/2"
2"	30	12	17	24
3"	90	36	51	72
4"	192	78	111	157
5"	348	142	201	284
6"	566	231	327	462
8"	1220	498	705	996
10"	2200	902	1275	1804
12"	-	1467	2076	2934
15"	-	2666	3774	5332

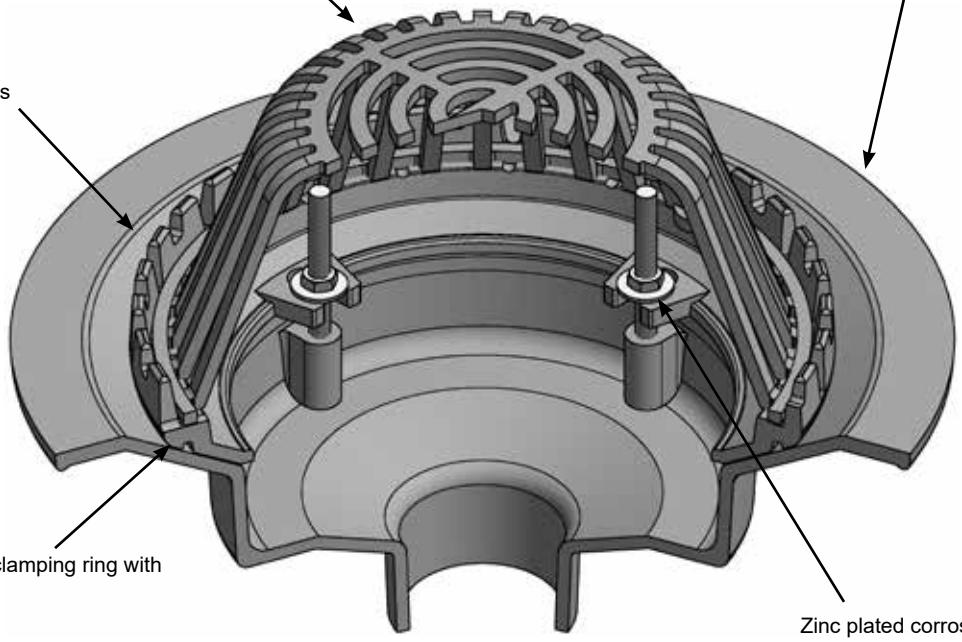
General Product Information

3000 (Primary Drain)

Large open area dome permits unobstructed flow. Domes are available in polypropylene, cast iron, galvanized cast iron, aluminum and brass.

Broad plane surface allows for installation optional bearing pan (sump receiver) in many applications.

Sloped body eliminates ponding.



Cast iron membrane clamping ring with integral gravel stop.

Zinc plated corrosion resistant hardware

No-Hub outlet connection. Also available with Push-On, Inside Caulk or Female Threaded Outlets.



3000-42-3TY

Roof Drains—Product Compliance

Wade roof drains are constructed of high quality materials, and in general, are designed to meet the requirements of ASME Standard A112.6.4.

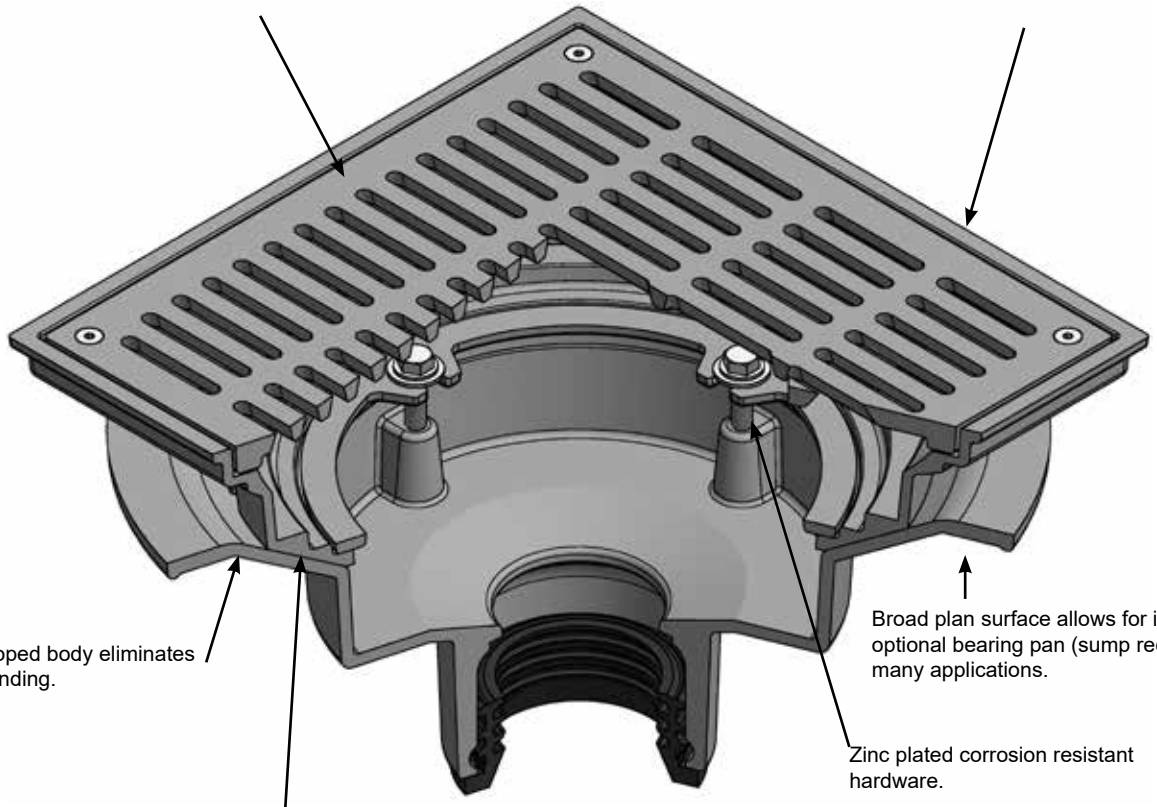
General Information:

Primary roof drains are comprised of three basic components:

(1) body (sump)
(2) combination flashing clamp/gravel guard and
(3) dome strainer.

General Product Information

3101 (Promenade Deck Drain)





Promenade Deck Drains—Product Compliance

Wade deck drains are constructed of high quality materials, and in general, are designed to meet the requirements of ASME Standard A112.6.4.

General Information:

Primary roof drains are comprised of four basic components:

(1) body (sump)
(2) a combination flashing clamp/grate collar
(3) a securing ring and
(4) a flat strainer.

Wade promenade deck drains are designed with a rotable collar to allow adjustment independent of the body

Options & Variations



Function: Used in flat roof construction, the adjustable sleeve permits adjustment from a minimum of 1-3/4" to a maximum of 3-1/2" to easily accommodate varying insulation thicknesses. The positive thread engagement allows smooth perimeter movement.

(ADF) Adjustable Extension



Function: Used in flat roof construction, the adjustable drain riser sleeve permits adjustment from a minimum of 1" to a maximum of 6" to easily accommodate varying insulation thicknesses. The positive thread engagement allows smooth perimeter movement. A large bearing surface ring eliminates the need for sump receivers.

(AE) Adjustable Drain Riser



Function: Used in flat roof construction, the adjustable standpipe permits adjustment to a maximum of 4" to easily accommodate varying overflow conditions. The positive thread engagement allows smooth perimeter movement.

(AW) Adjustable Water Regulator



Function: Used in flat roof construction where a constant water depth is desired or an emergency overflow if the primary drain becomes clogged or is inadequate for the flow conditions. The dam keeps debris away from the dome and accommodates more overflow drainage with less head build-up.

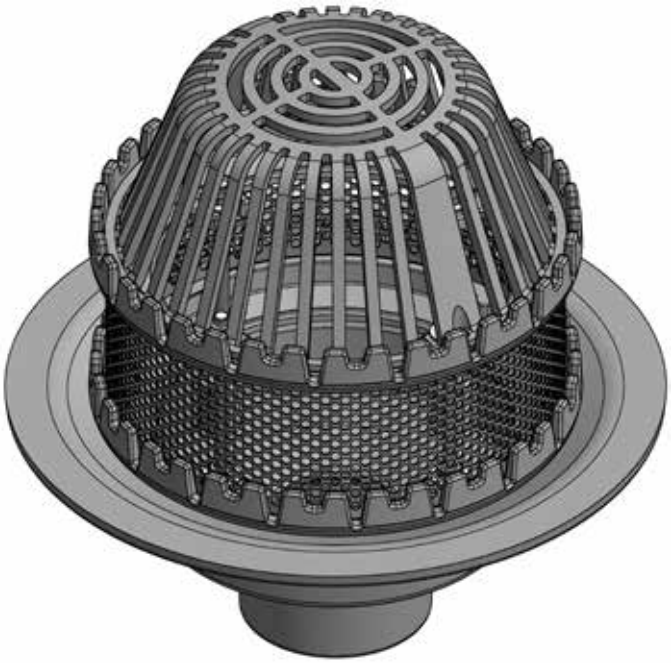
(D) Dam (2" High)

Options & Vaiations



Function: Used in flat roof construction, the fixed sleeve easily accommodates typical insulation thicknesses. Available in 1", 2", 3" and 4" heights. Units are stackable for heights exceeding 4".

(DF) Fixed Extension



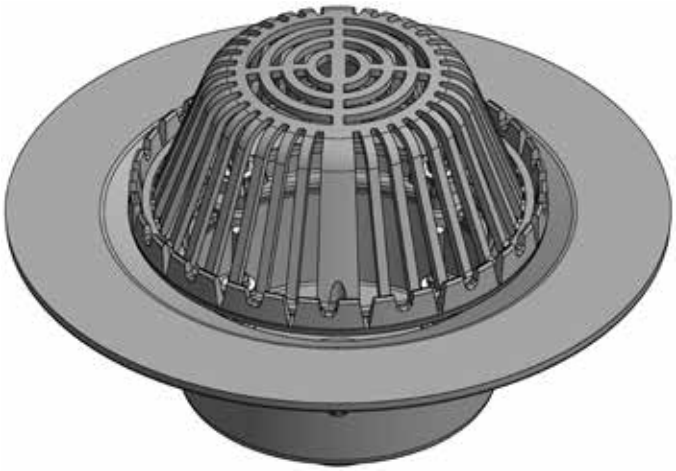
Function: Used in roof systems where the inverted roof membrane assembly method of waterproofing is used. This method, commonly termed "IRMA" relies on a perforated stainless steel sleeve to retain the crushed gravel ballast used to secure the insulation. Available in various heights to accommodate various insulation thicknesses. 2", 3" and 4" heights standard.

(DFS) Perforated Extension



Function: Used in roof systems where the insulated membrane assembly method of waterproofing is used. This method, commonly termed "IRMA" relies on a perforated stainless steel fixed sleeve to retain the crushed gravel ballast used to secure the insulation. 4" height standard. Other Heights Optional.

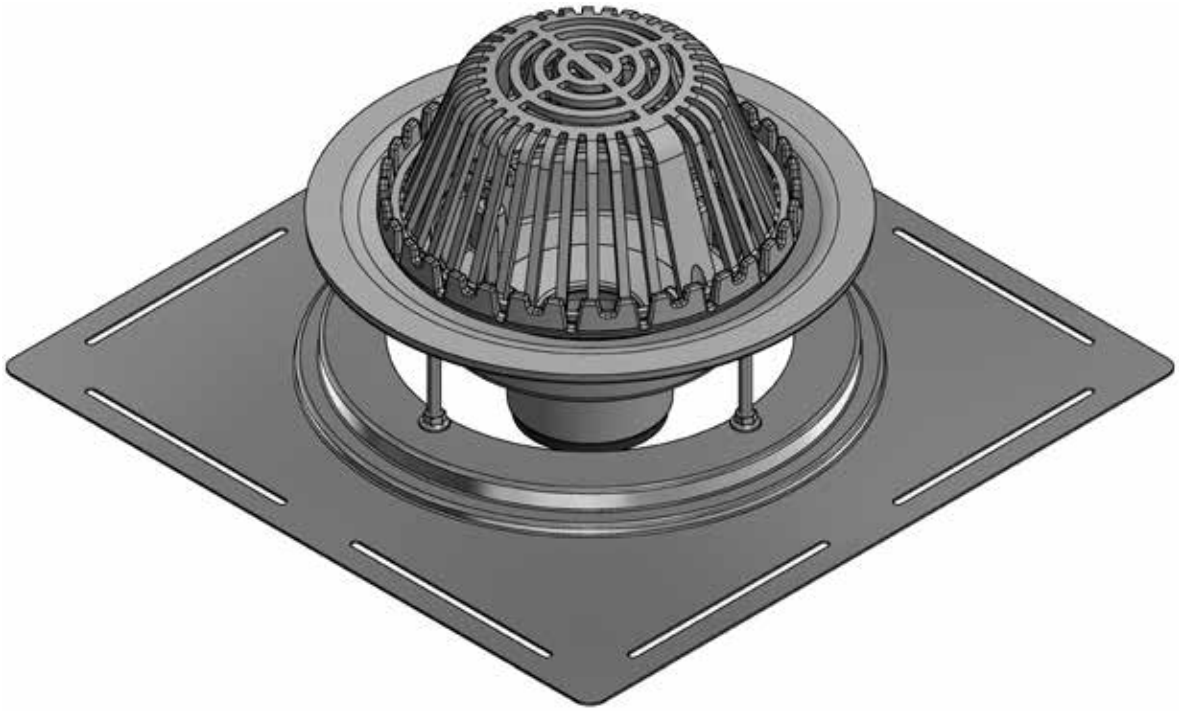
(DP) Perforated Gravel Stop



Function: For use in promenade roof deck and rooftop recreational areas where a traffic bearing roof deck covering is to be applied. Drain body sump is protected from leaves, paper and other debris by a large secured dome. The wide flange offers an ideal substrate for the membrane application.

(E) Elastomeric Wide Flange

Options & Variations



Function: Used in flat roof construction, this adjustable drain riser permits adjustment by means of threaded rods to easily accommodate varying insulation thicknesses.

(EB) Adjustable Drain Riser



Function: The Wade bearing pan / sump receiver allows for flush installation of the roof drain body, eliminating ponding around the drain. A recess in the pan accepts the body and clips on the underside firmly secure the drain. This unit eliminates the need for underdeck clamps as it can be Tek screwed to the deck upon installation.

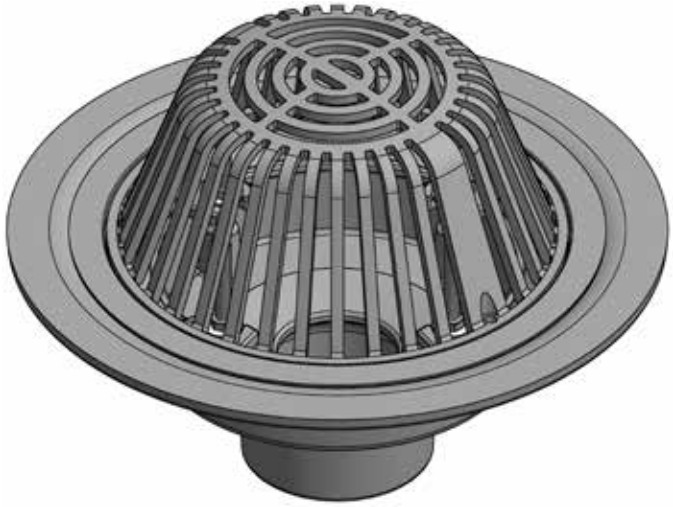
(189) Bearing Pan with Securing Hardware

Options & Vaiations



Function: For use in promenade roof decks and rooftop recreational areas where traffic bearing pavers are to be applied. The drain is installed under the pavers and the slotted grate prevents debris from entering the drain.

(FG) Flush Grate



Function: For use in roof systems that utilize a polymer sheet membrane. Typically these roof systems do not rely on gravel as a ballast. The smooth flashing ring allows for unobstructed flow to the drain.

(LGS) Less Gravel Stop



Function: Used in flat roof construction where a constant water depth is desired or for an emergency overflow if the primary drain becomes clogged or is inadequate for the flow conditions. The plastic threaded standpipe can be easily modified for various overflow depths

(SD) Adjustable Internal Overflow Dam



Function: Used in flat roof construction where space is limited under the roof structure. The compact design incorporates a slopped side outlet.

(SO) Side Outlet Body

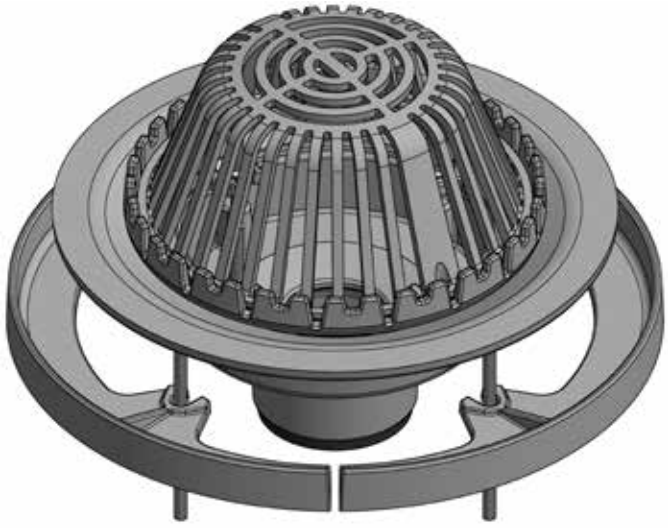
ROOF DRAINS

Options & Vaiations



Function: For use in roof systems that encounter small debris or pea gravel which may otherwise pass through the gravel stop and dome. It is also ideal for planting areas.

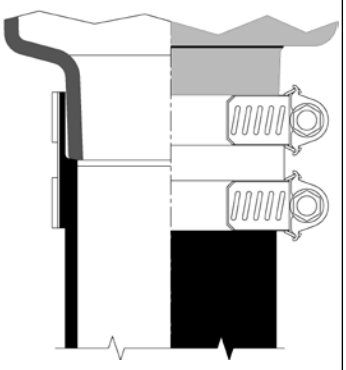
(50) S/S Mesh Dome Cover



Function: Normally used on all roof systems except poured-in-place installations, the underdeck clamp firmly secures the drain to the roof structure thereby eliminating the movement caused by expansion an contraction transferring to the membrane.

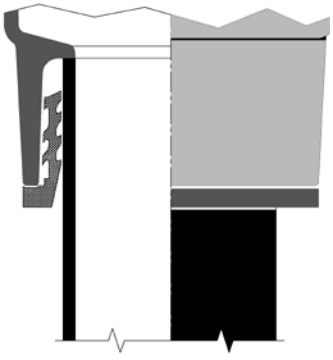
(53) Under Deck Clamp

Outlet Variations



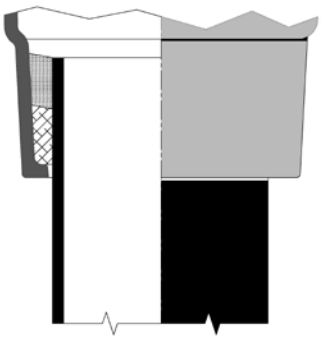
(NH) No-Hub

No-Hub Connection is achieved by butting cast iron soil pipe, plastic pipe or steel pipe to the bottom of the drain and securing with a joint clamp. (Clamp furnished by others).



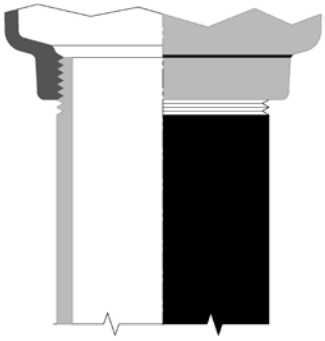
(TY) Push-On

The Wade Push-On connection is a unique labor saving gasketed joint designed to simply push on the stub end of the pipe. It can be used on C.I. Soil Pipe, plastic pipe or steel pipe. (Lubrication is required).



(IC) Inside Caulk

Inside caulk connections are achieved by placing the body over the pipe and supporting independently to allow the pipe to protrude into the outlet. A seal is made with oakum followed by lead peened around the pipe for a secure joint.

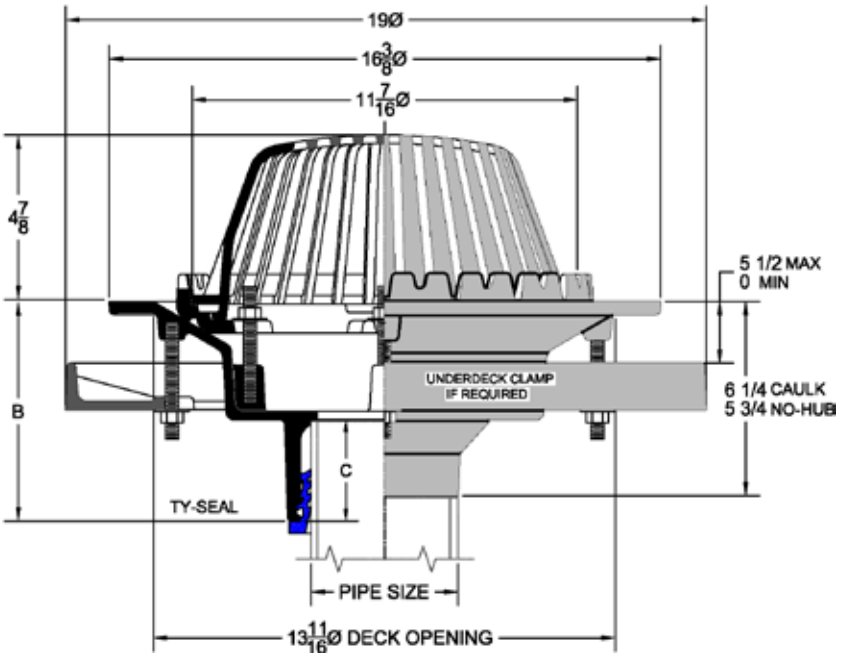


(IPS) Female Threaded

Iron pipe size connections are an old industry standard used in industrial and institutional applications. The female NPT threaded outlet is matched to male threaded pipe and requires a sealant.

ROOF DRAINS

3000 | 16-3/8" Diameter Large Area Primary Drain | Dome Free Area = 113.5





3000-42-3TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 2,086.00	$ 963.00	$ 1,895.00	$ 1,249.00	$ 1,301.00
5,6"	2,501.00	1,378.00	2,313.00	1,664.00	1,717.00
8"	2,915.00	1,793.00	2,726.00	2,078.00	2,131.00

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	--

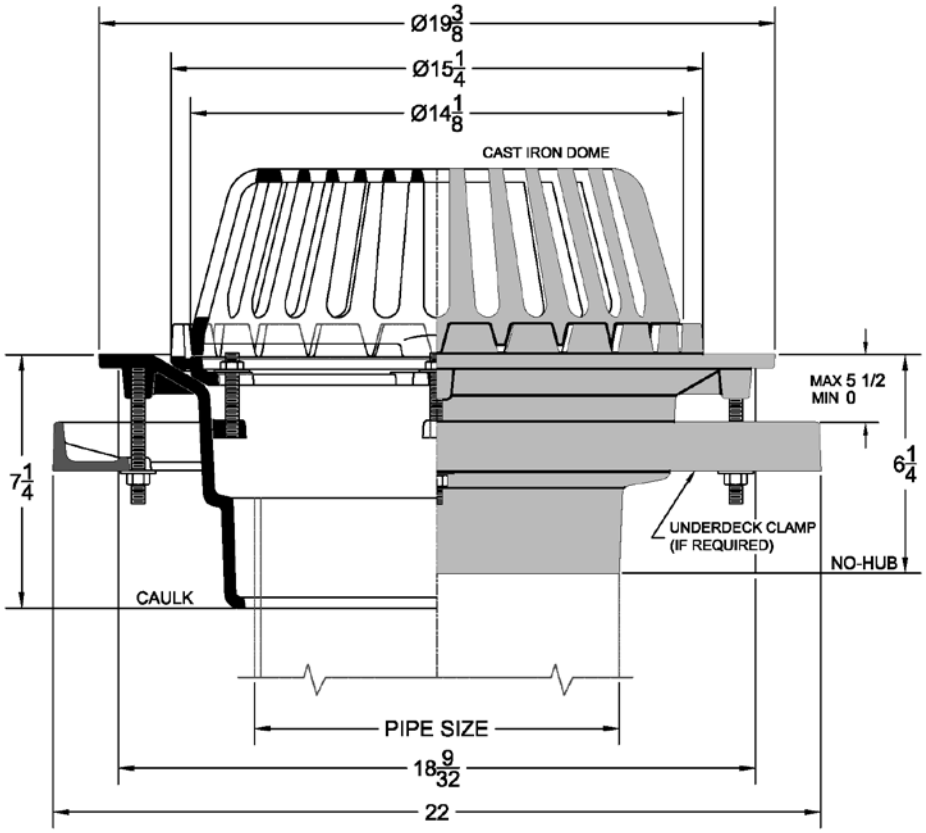
Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

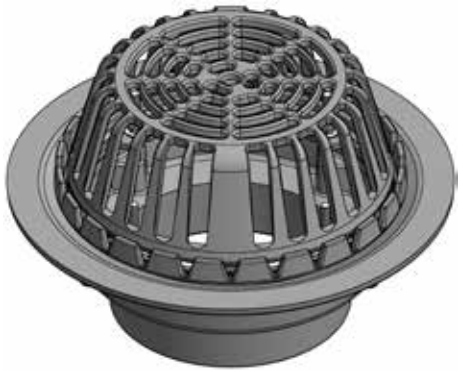
Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, & locking dome.

* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
AW	Adjustable Water Regulator *		1,206.00
D	Dam (2" High) *		317.00
DP	Perforated Stainless Steel Gravel Stop *		1,108.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,058.00
	For Each Addition 1" (Add/In.)		107.00
E	Elastomeric Wide Flange Body *		1,961.00
LGS	Less Gravel Stop		N/C
SD	Adjustable Internal Overflow Dam *		574.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		686.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3001 | 19-3/8" Diameter High Capacity Primary Drain | Dome Free Area = 122.0





3001-42-12NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix			Wt. Lbs.
	40	42	46	
	Galv. C.I.	Cast Iron	Aluminum	
8"	$ 3,365.00	$ 2,567.00	$ 2,898.00	58.0
10"	3,630.00	2,831.00	3,167.00	55.0
12"	3,833.00	3,035.00	3,367.00	60.0

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	8NH,10NH,12NH	N/C
Inside Caulk	8IC,10IC	N/C

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
AE	Adjustable Drain Riser *	$ 1,776.00	$ 2,244.00
DF	Fixed Extension * (1",2",3" or 4") *	1,353.00	2,044.00
EB	Adjustable Drain Riser Pan *	1,229.00	--

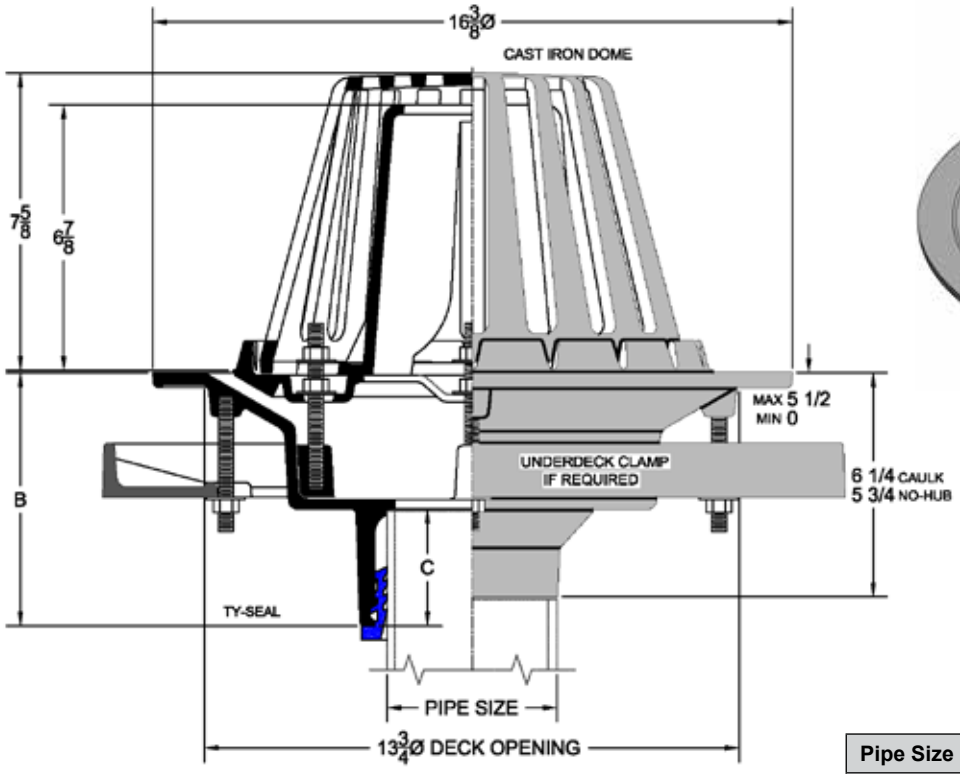
Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, & loose set dome.

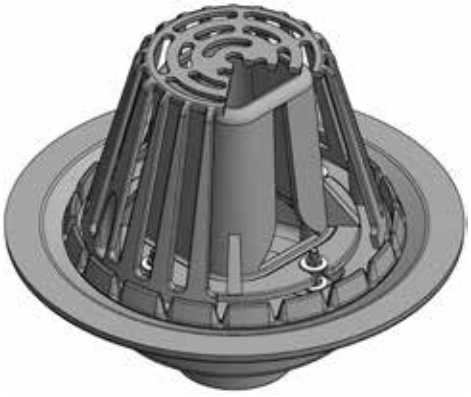
** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 2,551.00
D	Dam (2" High) *		926.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,360.00
	For Each Addition 1" (Add/In.)		124.00
DP	Perforated Stainless Steel Gravel Stop *		1,343.00
SD	Adjustable Internal Overflow Dam *		1,459.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(40,46)	1,367.00
		(42)	1,943.00
49	Bronze Mesh Over Dome		686.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		230.00
53	Under Deck Clamp *		230.00
189	Bearing Pan w/ Securing Hardware *		1,048.00

ROOF DRAINS

3007	16-3/8" Diameter Control-Flo Drain	Dome Free Area = 101.3





3007-42-4NH

Pipe Size	2"	3"	4"
Wt. Lbs.	52.6	51.9	53.0

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix			
	3	40	42	46
	Bronze	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,120.00	$ 3,338.00	$ 3,097.00	$ 3,141.00
5,6"	4,530.00	3,754.00	3,535.00	3,580.00

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	6-3/8	6-5/8	6-7/8
C	2-1/2	2-3/4	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY,6TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

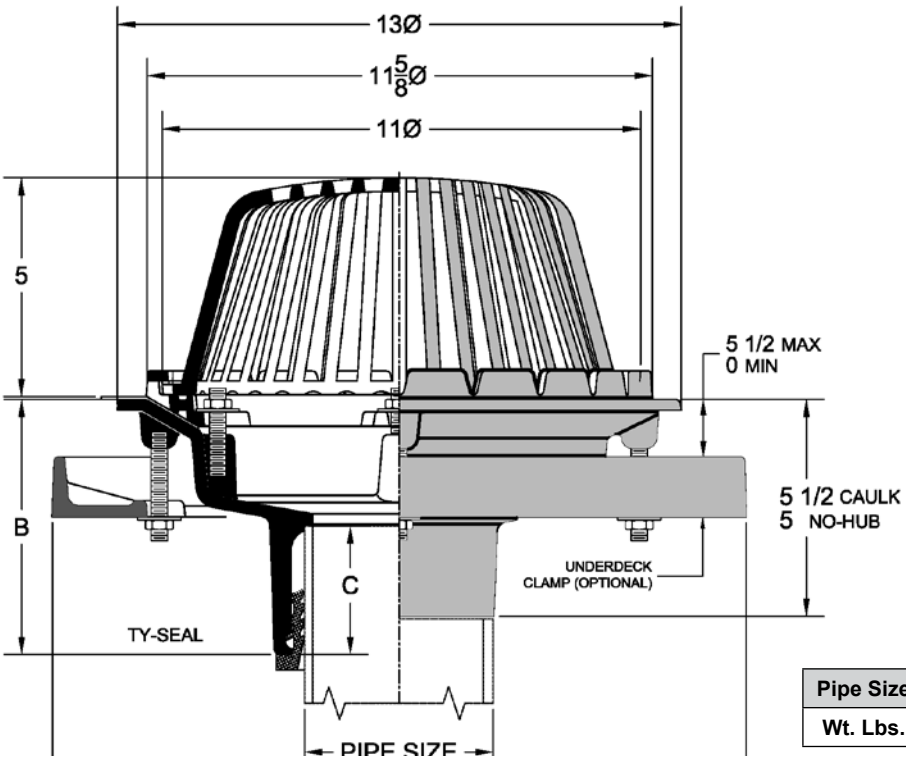
Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	--

Regularly Furnished: Cast iron control flow roof drain with flange, flashing ring, gravel stop, proportional flow weir & high cast iron dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
DP	Perforated Stainless Steel Gravel Stop *		1,108.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,058.00
	For Each Addition 1" (Add/In.)		107.00
E	Elastomeric Wide Flange Body *		1,961.00
SD	Adjustable Internal Overflow Dam *		574.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(42)	1,213.00
49	Bronze Mesh Over Dome		686.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3011 | 13" Diameter Medium Area Primary Drain | Dome Free Area = 75.0





3011-42-3TY

Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	29.0	28.9	29.0	28.8	28.8

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 1,412.00	$ 855.00	$ 1,225.00	$ 1,068.00	$ 1,098.00
5,6"	1,412.00	855.00	1,225.00	1,068.00	1,098.00

Dimensions (Inches) Push-On Outlets			
Pipe Size	2"	3"	4"
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1.5",2.5",3.5" or 4.5")	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	--

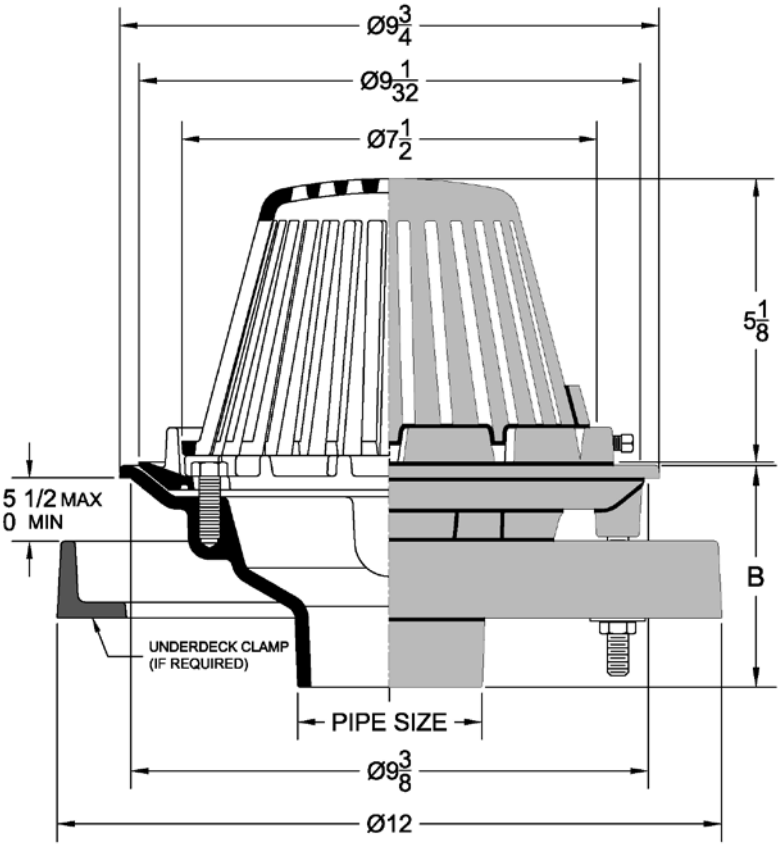
Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, & locking dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,389.00
D	Dam (2" High) *		261.00
DP	Perforated Stainless Steel Gravel Stop *		855.00
DFS	Perforated Stainless Steel Extension (1-4") *		855.00
	For Each Addition 1" (Add/In.)		96.00
SD	Adjustable Internal Overflow Dam *		574.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		216.00
VP	Vandal Proof Top		159.00
39	Galvanized Cast Iron	(32)	537.00
		(42)	691.00
48	Flush Grate in Lieu of Dome *		470.00
49	Bronze Mesh Over Dome		635.00
50	Stainless Steel Mesh Over Dome		635.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

ROOF DRAINS

3012	9-3/4" Diameter Small Area Primary Drain	Dome Free Area = 43.0





3012-42-2TY

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	16.0	16.4	16.5	17.0

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 1,175.00	$ 726.00	$ 1,001.00	$ 855.00	$ 963.00
6"	1,430.00	979.00	1,253.00	1,108.00	1,216.00

Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, &secured dome.

* *Dimensions vary from illustration*

Dimensions (Inches)				
Outlet Style	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	2	N/A	N/A	N/A

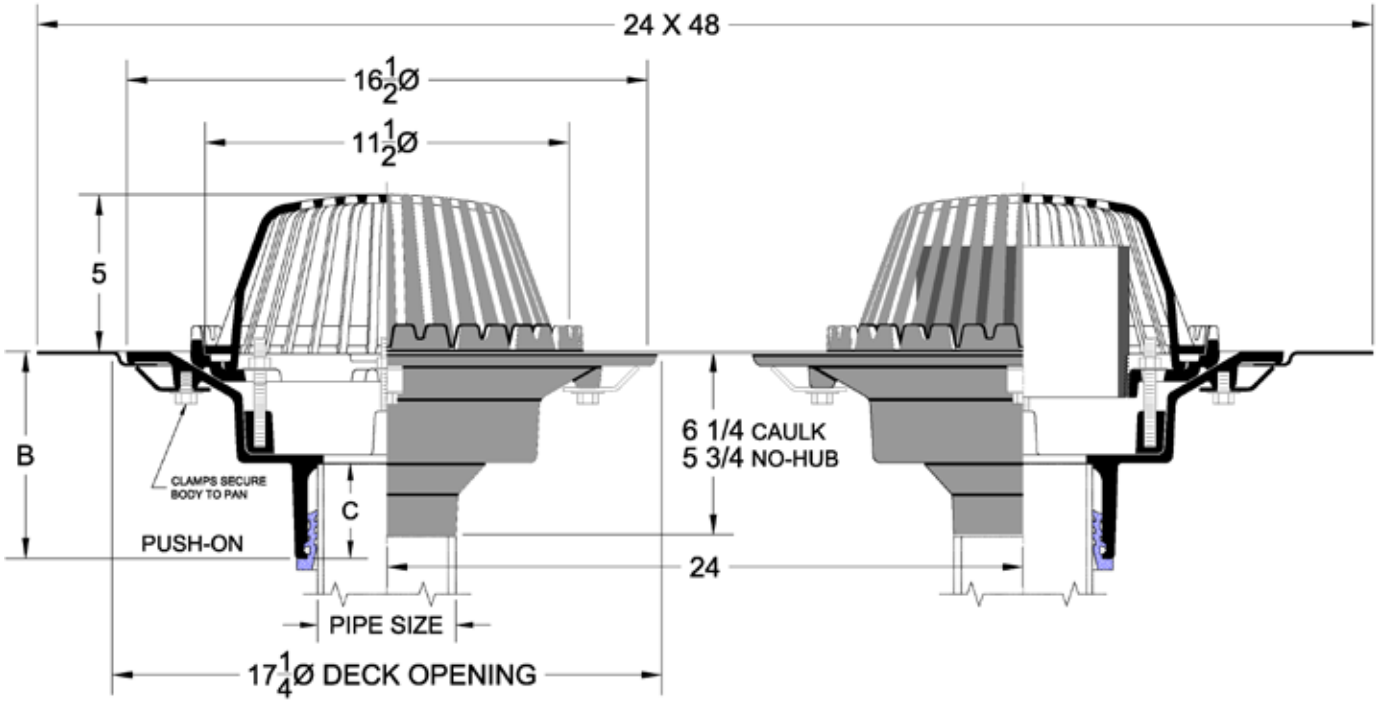
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
No-Hub	6NH	255.00
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	--

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,042.00
D	Dam (2" High) *		265.00
DFS	Perforated Stainless Steel Extension (1-4") *		632.00
	For Each Addition 1" (Add/In.)		96.00
DP	Perforated Stainless Steel Gravel Stop *		632.00
SD	Adjustable Internal Overflow Dam *		491.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		251.00
VP	Vandal Proof Top		150.00
39	Galvanized Cast Iron	(32)	272.00
		(42)	418.00
49	Bronze Mesh Over Dome		481.00
50	Stainless Steel Mesh Over Dome		481.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

ROOF DRAINS

3041	16-3/8" Diameter Combination Primary/Overflow Drain	Dome Free Area = 113.5.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 5,643.00	$ 3,396.00	$ 5,064.00	$ 3,964.00	$ 4,055.00
5,6"	6,466.00	4,218.00	5,883.00	4,784.00	4,881.00
8"	7,293.00	5,046.00	6,713.00	5,611.00	5,709.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

Dimensions (Inches) Push-On Outlets				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 215.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 1,979.00	$ 2,928.00
AE	Adjustable Drain Riser *	2,135.00	3,064.00
DF	Fixed Extension * (1",2",3" or 4") *	1,802.00	2,718.00

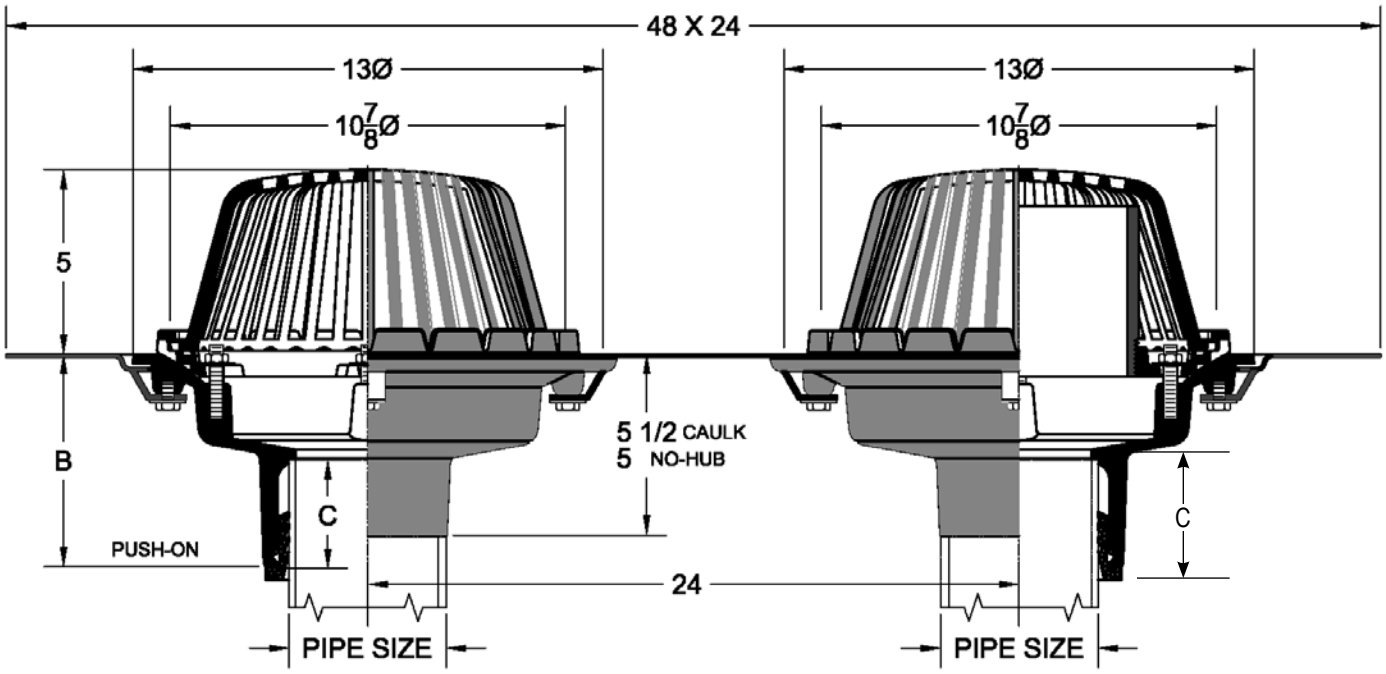
Regularly Furnished: Cast iron combination primary/overflow drain with flange, flashing ring, gravel stop, bearing pan, internal dam and locking dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 3,702.00
D	Dam (2" High) *		N/C
DFS	Perforated Stainless Steel Extension (1-4") *		2,113.00
	For Each Addition 1" (Add/In.)		206.00
DP	Perforated Stainless Steel Gravel Stop *		2,139.00
LGS	Less Gravel Stop		N/C
SO	90° Side Outlet Body (3NH,4NH,6NH) *		1,001.00
VP	Vandal Proof Top		341.00
39	Galvanized Cast Iron	(32)	2,614.00
		(42)	3,713.00
49	Bronze Mesh Over Dome		1,369.00
50	Stainless Steel Mesh Over Dome		1,369.00

ROOF DRAINS

3042	13" Diameter Combination Primary/Overflow Drain	Dome Free Area = 75.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4,5,6"	$ 3,203.00	$ 2,482.00	$ 2,957.00	$ 2,646.00	$ 2,892.00

Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	29.0	28.9	29.0	28.8	28.8

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 215.00

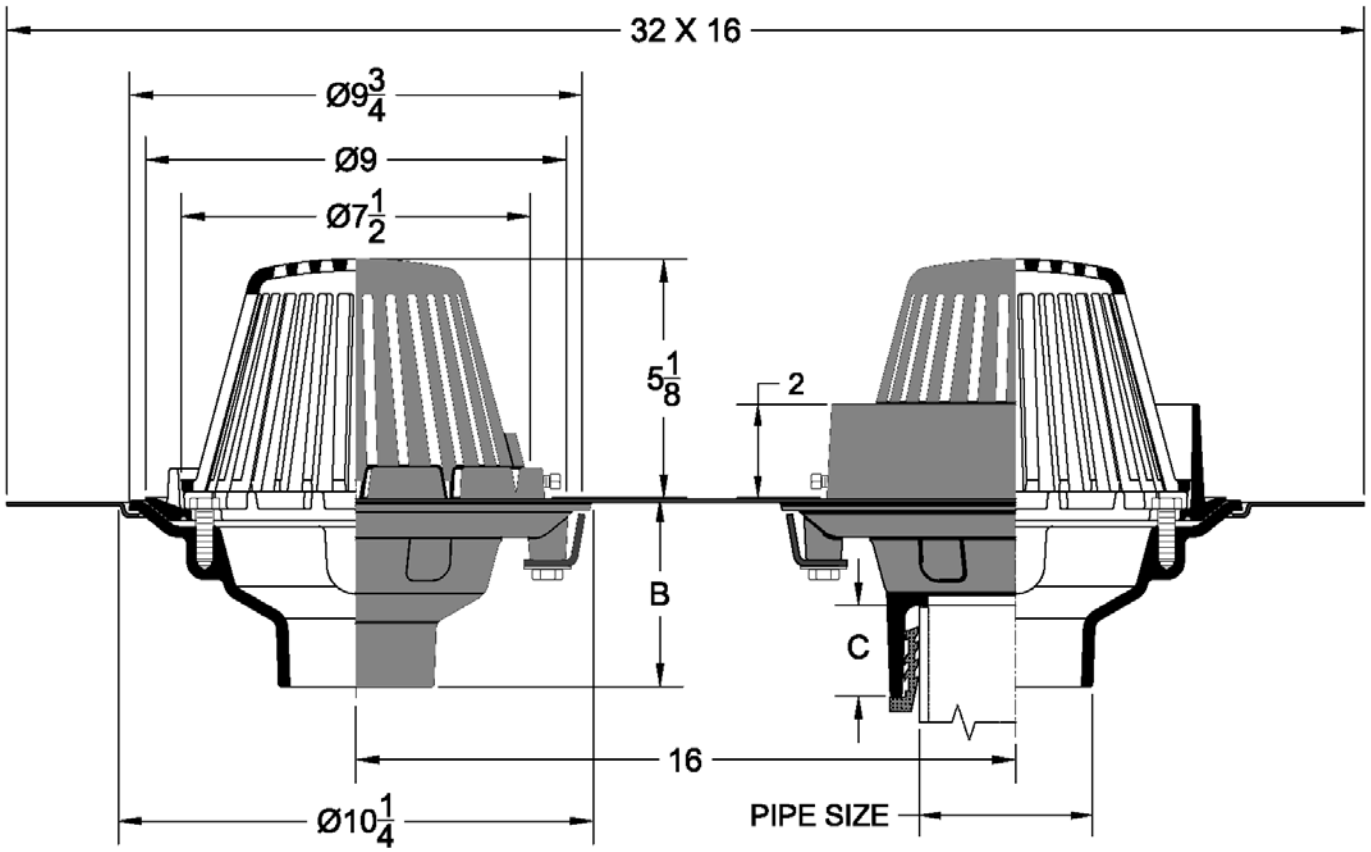
Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 941.00	$ 1,791.00

Regularly Furnished: Cast iron combination primary/overflow drain with flange, flashing ring, gravel stop, bearing pan, internal dam and locking dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (Armor Clad)		$ 2,777.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,708.00
	For Each Addition 1" (Add/In.)		193.00
DP	Perforated Stainless Steel Gravel Stop *		1,708.00
SO	90° Side Outlet Body (3IPS,3IPS,4IPS) *		432.00
VP	Vandal Proof Top		317.00
39	Galvanized Cast Iron	(32)	1,074.00
		(42)	1,385.00
48	Flush Grate in Lieu of Dome *		941.00
49	Bronze Mesh Over Dome		1,269.00
50	Stainless Steel Mesh Over Dome		1,269.00

3043 | 9-3/4" Diameter Combination Primary/Overflow Drain | Dome Free Area = 43.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 2,840.00	$ 2,129.00	$ 2,673.00	$ 2,381.00	$ 2,632.00
6"	3,347.00	2,637.00	3,181.00	2,889.00	3,140.00

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	16.0	16.4	16.5	17.0

Regularly Furnished: Cast iron combination primary/ overflow drain with flange, flashing ring, gravel stop, bearing pan, external dam and secured dome.

* *Dimensions vary from illustration*

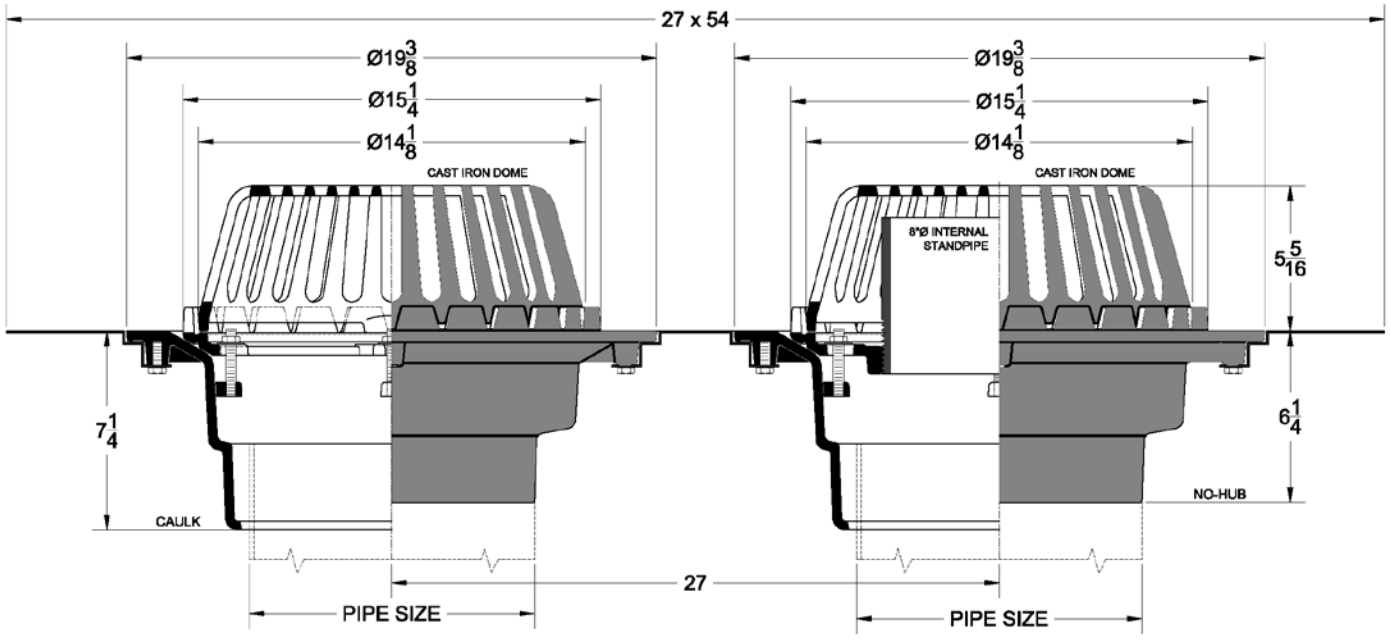
Dimensions (Inches)				
Outlet Style	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	2	N/A	N/A	N/A

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
No-Hub	6NH	$ 508.00
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 215.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (2")	$ 465.00	$ 890.00

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 2,085.00
DP	Perforated Stainless Steel Gravel Stop *		1,264.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,264.00
	For Each Addition 1" (Add/In.)		193.00
SD	Adjustable Internal Overflow Dam *		491.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		503.00
VP	Vandal Proof Top		299.00
39	Galvanized Cast Iron	(32)	545.00
		(42)	837.00
49	Bronze Mesh Over Dome		958.00
50	Stainless Steel Mesh Over Dome		958.00

3044 | 19-3/8" Diameter Combination Primary/Overflow Drain | Dome Free Area = 193.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix 40 Galv. C.I.	42 Cast Iron	46 Aluminum	Wt. Lbs.
8"	$ 9,804.00	$ 8,675.00	$ 9,344.00	58.0
10"	10,337.00	9,209.00	9,876.00	55.0
12"	10,740.00	9,612.00	10,280.00	60.0

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	8NH,10NH,12NH	N/C
Inside Caulk	8IC,10IC	N/C

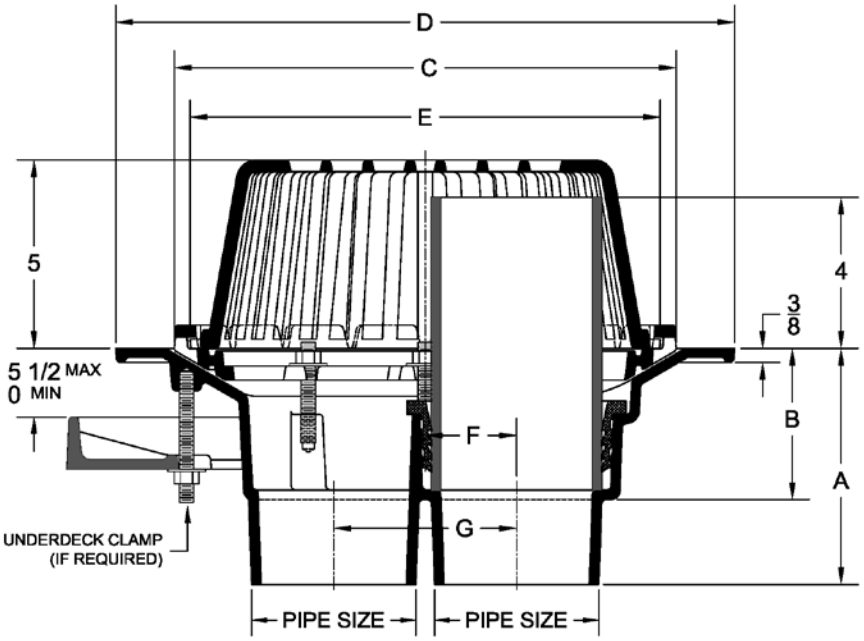
Optional Extensions & Drain Risers			
Suffix	Description	Add Painted	Add (39) Galv.
AE	Adjustable Drain Riser *	$ 3,548.00	$ 4,485.00
DF	Fixed Extension * (1",2",3" or 4") *	2,840.00	4,290.00

Regularly Furnished: Cast iron combination primary/overflow drain with flange, flashing ring, gravel stop, bearing pan, internal dam and loose set dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 5,101.00
DFS	Perforated Stainless Steel Extension (1-4") *		2,718.00
	For Each Addition 1" (Add/In.)		247.00
DP	Perforated Stainless Steel Gravel Stop *		2,688.00
VP	Vandal Proof Top		341.00
39	Galvanized Cast Iron	(42)	3,861.00
49	Bronze Mesh Over Dome		1,369.00
50	Stainless Steel Mesh Over Dome		1,369.00

3046 Dual Outlet Combination Primary/Overflow Drain





3046-42-3NH-281

Dimensions (In.)				
Pipe Size	A	B	C	D
3	5 3/4	3 1/2	16 3/8	12 3/8
4	5 3/4	3 1/2	16 3/8	12 3/8
6	6 1/4	3 1/2	19 3/8	16 1/2

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix 40 Galv. C.I.	42 Cast Iron	Dome Free Area (Sq.In.)
3"	$ 2,476.00	$ 2,006.00	103.8
4"	2,550.00	2,078.00	103.8
6"	3,975.00	3,502.00	193.0

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	3NH,4NH,6NH	N/C

Pipe Size	3"	4"	6"
Wt. Lbs.	59.0	59.8	63.5

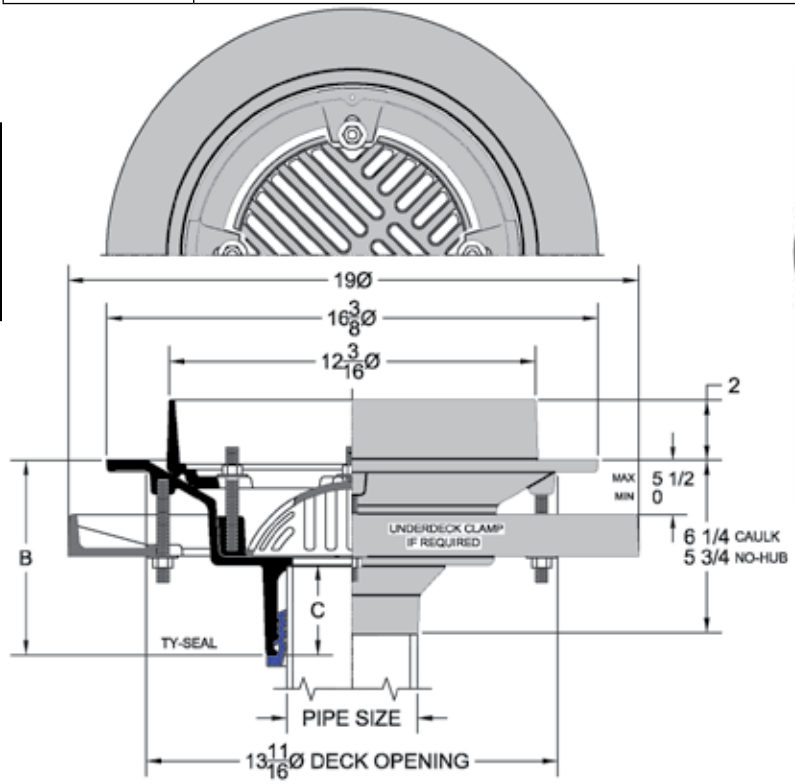
Optional Extensions & Drain Risers			
Suffix	Description	Add Painted	(39) Galv.
AE	Adjustable Drain Riser 3"- 4" *	$ 1,067.00	$ 1,531.00
	Adjustable Drain Riser 6" *	1,776.00	2,244.00
EB	Adjustable Drain Riser Pan 3" - 4" *	901.00	--
	Adjustable Drain Riser Pan 6" *	1,229.00	--

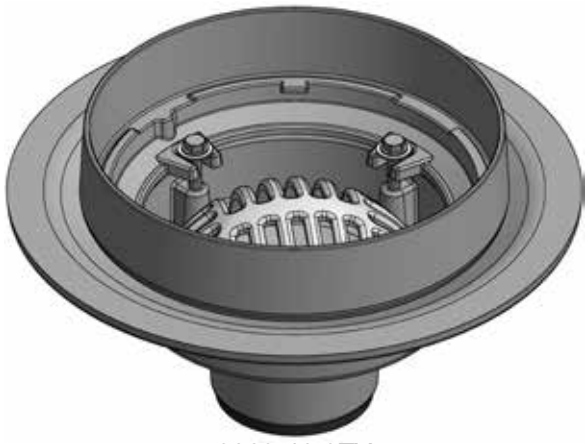
Regularly Furnished: Cast iron dual outlet combination primary/overflow drain with flange, flashing ring, gravel stop, plastic standpipe and locking dome.

** Dimensions vary from illustration*

Suffix Options			Add 3 -4"	Add 6"
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00	$ 2,551.00
DP	Perforated Stainless Steel Gravel Stop *		1,752.00	1,752.00
VP	Vandal Proof Top		170.00	170.00
39	Galvanized Cast Iron	(42)	1,307.00	1,943.00
49	Bronze Mesh Over Dome		686.00	686.00
50	Stainless Steel Mesh Over Dome		686.00	686.00
52	Bearing Pan (Sump Receiver) *		716.00	716.00
53	Under Deck Clamp *		499.00	499.00
158	Low Profile Dome		N/C	N/C
189	Bearing Pan w/ Securing Hardware *		597.00	1,048.00
281	Dual Dome Assembly		742.00	829.00

3061 | 16-3/8"" Diameter Roof Receptor Drain | Dome Free Area = 43.0





3063-46-3TY

Outlet (Pipe Size)	Painted Cast Iron Body
	46
	Aluminum
2,3,4"	$ 1,279.00
5,6"	1,695.00
8"	2,110.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	31.1	31.4	31.5	30.2	30.1	31.5

Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Dimensions (Inches)				
Pipe Size	**2"**	**3"**	**4"**	**6"**
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

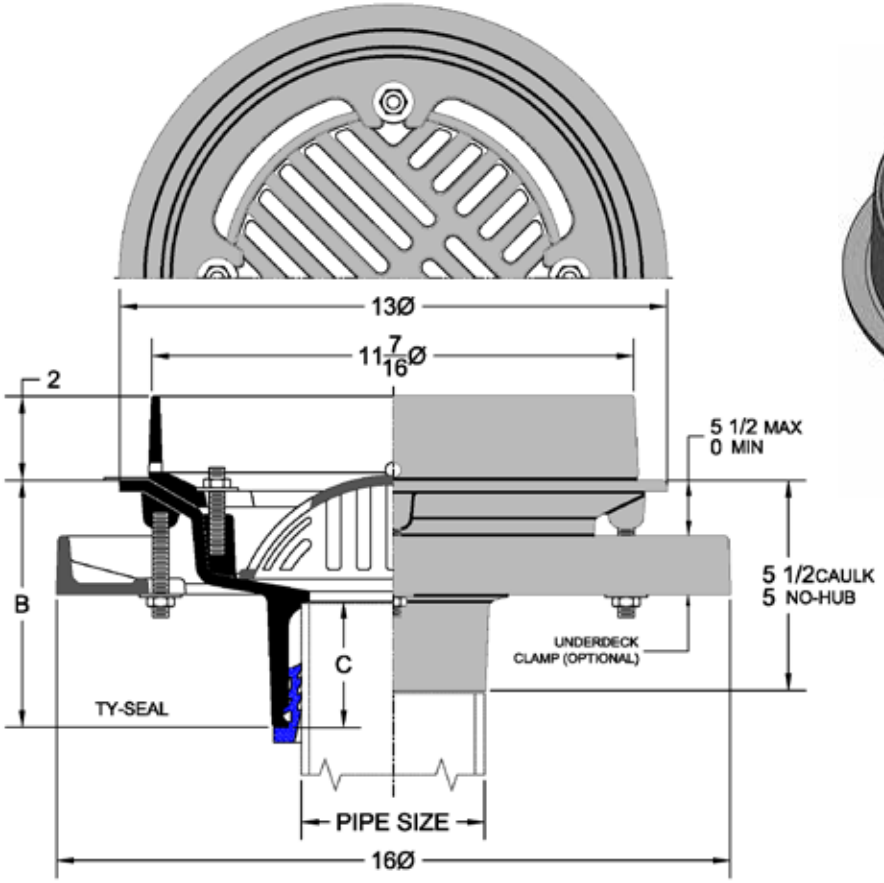
Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,360.00
EB	Adjustable Drain Riser Pan *	901.00	--

Regularly Furnished: Cast iron indirect waste drain with flange, 2" high dam & internal dome strainer.

* *Dimensions vary from illustration*

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
39	Galvanized Cast Iron	1,213.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

3062 | 13" Diameter Receptor Drain | Dome Free Area = 43.0





3062-46-3TY

Outlet (Pipe Size)	Painted Cast Iron Body with Aluminum
	46
	Aluminum
2,3,4"	$ 980.00
5,6"	980.00

Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	24.0	23.9	24.0	25.8	25.8

Regularly Furnished: Cast iron indirect waste drain with flange & 2" high dam internal dome strainer.

** Dimensions vary from illustration*

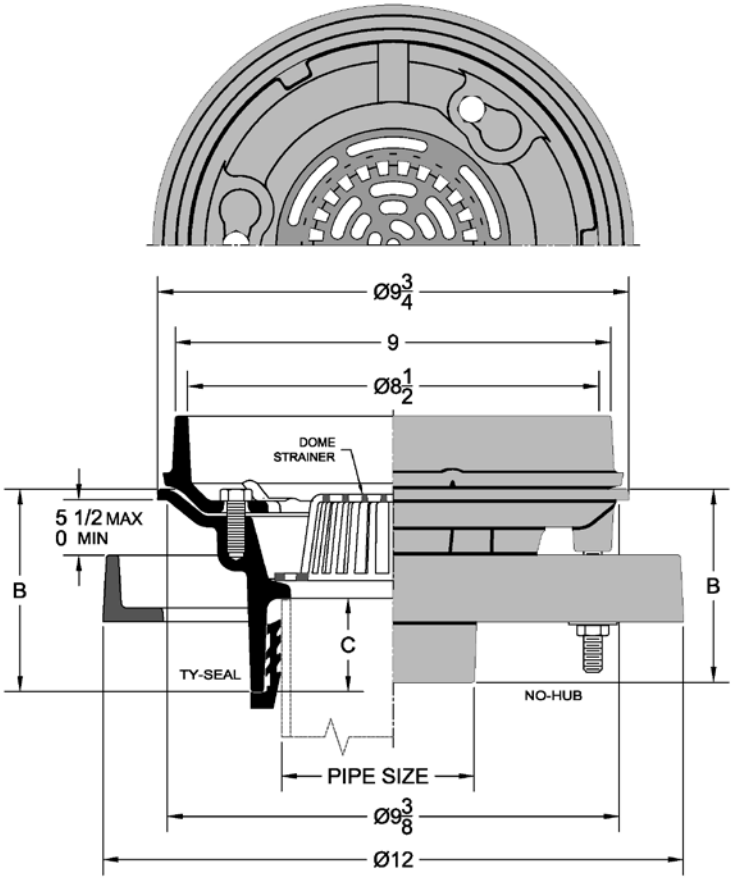
Dimensions (Inches) Push-On Outlets			
Pipe Size	**2"**	**3"**	**4"**
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

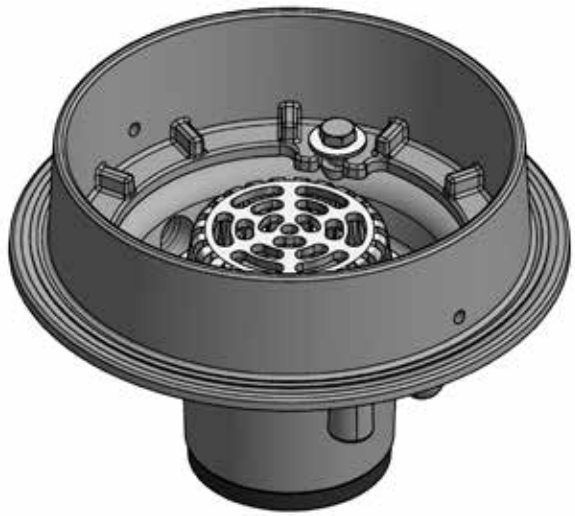
Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (ArmorClad)		$ 1,389.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		216.00
39	Galvanized Cast Iron	(42)	728.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
DF	Fixed Extension * (1",2",3" or 4") *	$ 901.00	$ 1,360.00
EB	Adjustable Drain Riser Pan *	688.00	--

3063 | 9-3/4" Diameter Receptor Drain | Dome Free Area = 15.0





3063-3-2TY

Outlet (Pipe Size)	Painted Cast Iron Body
	46
	Aluminum
2,3,4"	812.00
6"	1,063.00

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	16.0	16.4	16.5	17.0

Dimensions (Inches)				
Outlet Style	**No-Hub**	**Push-On**	**Inside Caulk**	**Threaded**
B	4	4-1/4	4-3/4	3-1/4
C	2	N/A	N/A	N/A

Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

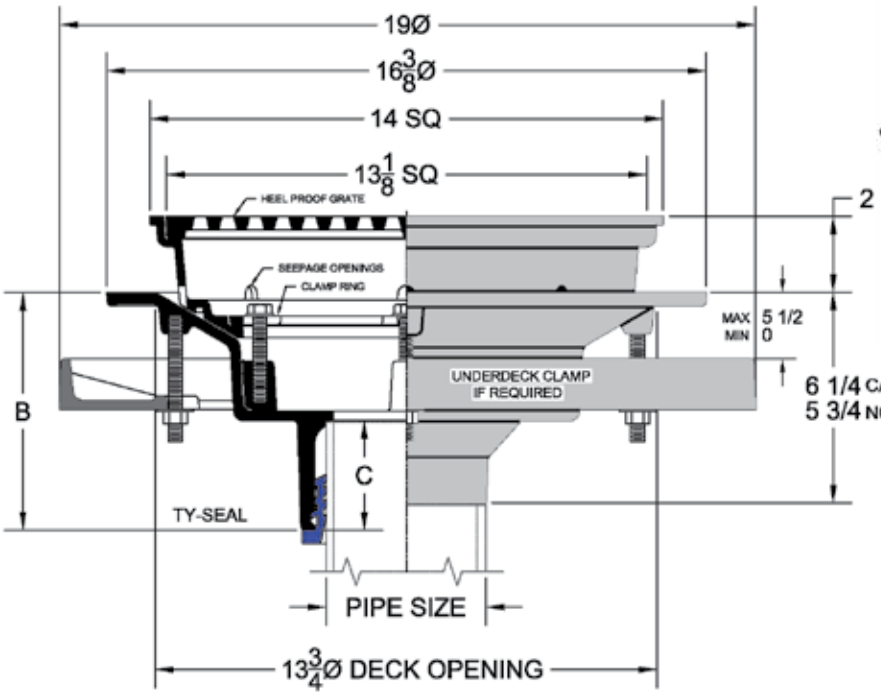
Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	---

Regularly Furnished: Cast iron indirect waste drain with flange & 2" high dam internal dome strainer.

** Dimensions vary from illustration*

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (ArmorClad)		$ 1,042.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		251.00
39	Galvanized Cast Iron	(42)	269.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

3101 | 14" Square Promenade Deck Drain | Grate Free Area = 46.5





3101-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Top Option Suffix		
	1	12	85
	Nickel Bronze	Cast Iron	Stainless Steel
2,3,4"	$ 3,012.00	$ 1,641.00	$ 3,013.00
5,6"	3,396.00	2,034.00	3,428.00
8"	3,775.00	2,412.00	3,845.00

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,360.00
EB	Adjustable Drain Riser Pan *	901.00	--

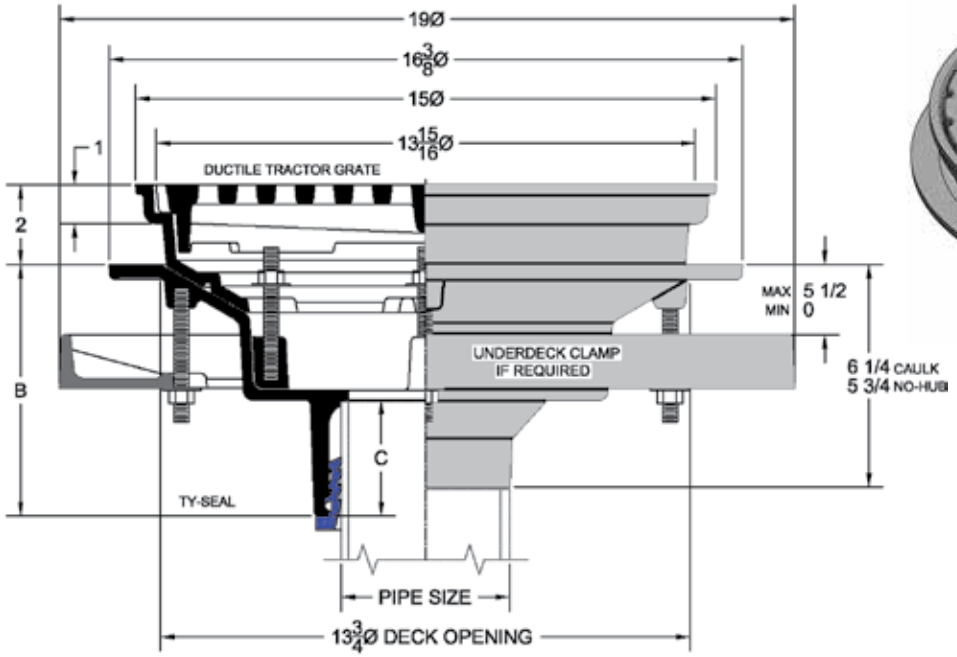
Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	49.1	48.4	49.5	48.2	48.1	52.2

Regularly Furnished: Cast iron deck drain with flange, flashing ring, gravel stop, & secured grate.
ASME Load Rating - Heavy Duty
* *Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
DFS	Perforated Stainless Steel Extension (1-4") *	1,058.00
	For Each Addition 1" (Add/In.)	107.00
E	Elastomeric Wide Flange Body *	1,961.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	200.00
WS	Wide Slot Grate (Free Area = 66.5 Sq.In.)	N/C
39	Galvanized Cast Iron	1,213.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

ROOF DRAINS

3105	15" Diameter Round Promenade Deck Drain	Grate Free Area = 63.6





3105-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with Top Option Suffix:		
	1	2	12
	Nickel Bronze	Satin Bronze	Cast Iron
2,3,4"	$ 5,685.00	$ 5,529.00	$ 2,161.00
5,6"	6,100.00	5,943.00	2,577.00
8"	6,514.00	6,359.00	2,992.00

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

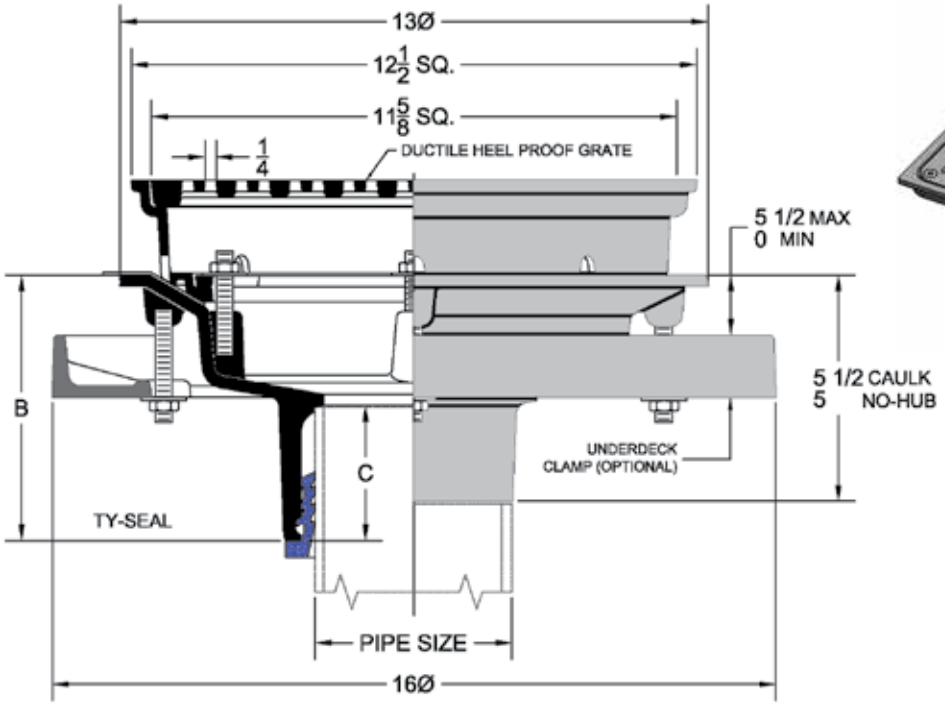
Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,360.00
EB	Adjustable Drain Riser Pan *	901.00	--

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

Regularly Furnished: Cast iron deck drain with flange, flashing ring, gravel stop, & secured grate.
ASME Load Rating - Special Duty
* *Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
DFS	Perforated Stainless Steel Extension (1-4") *	1,058.00
	For Each Addition 1" (Add/In.)	107.00
E	Elastomeric Wide Flange Body *	1,961.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	200.00
11	Heel Proof Grate (Free Area = 41.4 Sq.In.)	N/C
39	Galvanized Cast Iron	1,276.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

3111 | 12" Square Promenade Deck Drain | Grate Free Area = 40.8





3111-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with:	
	Top Option Suffix	
	1	12
	Nickel Bronze	Cast Iron
2,3,4,5,6"	$ 2,482.00	$ 1,474.00

Dimensions (Inches) Push-On Outlet			
Pipe Size	2"	3"	4"
B	5-1/2	5-1/2	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 901.00	$ 1,360.00
EB	Adjustable Drain Riser Pan *	688.00	N/A

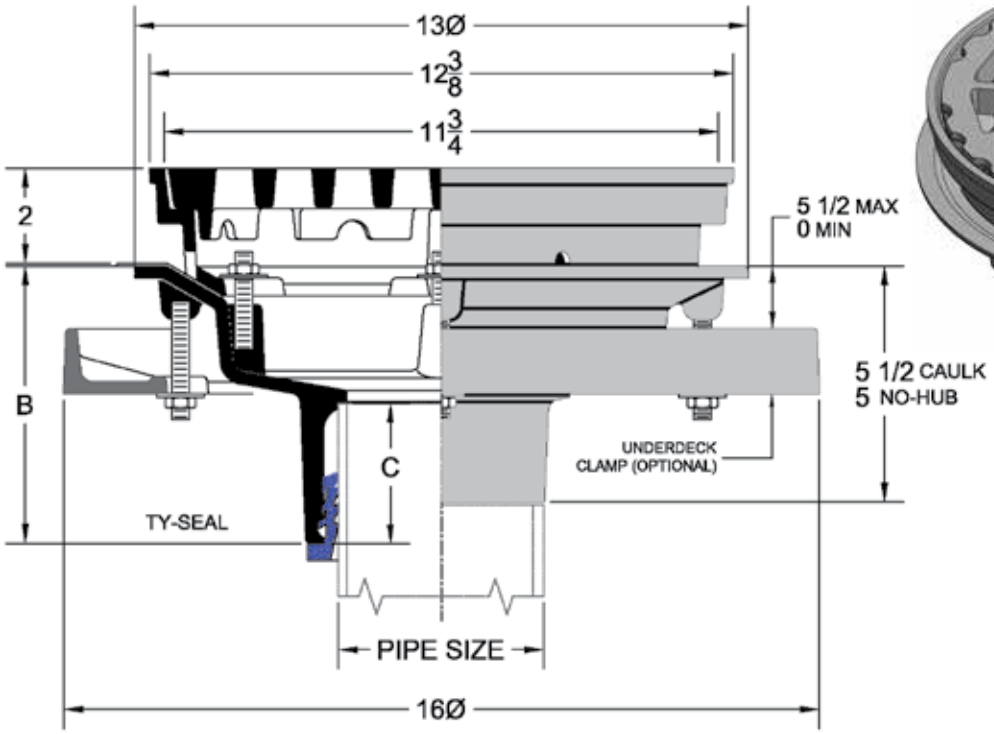
Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	36.5	36.4	36.5	36.0	36.3

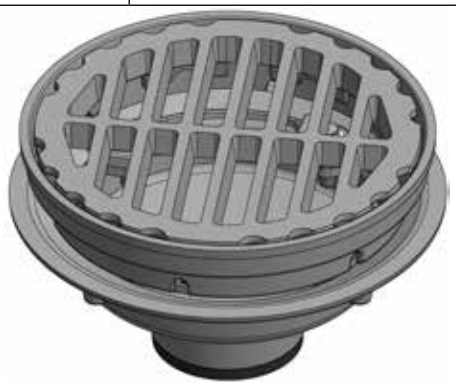
Regularly Furnished: Cast iron square promenade deck drain with flange, flashing ring, rotatable collar and heel proof grate. ASME Load Rating - Heavy Duty

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,389.00
DFS	Perforated Stainless Steel Extension (1-4") *	855.00
	For Each Addition 1" (Add/In.)	96.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	216.00
VP	Vandal Proof Top	159.00
WS	Wide Slot Grate (Free Area = 52.6 Sq.In.)	N/C
39	Galvanized Cast Iron	684.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3115 | 12" Diameter Round Promenade Deck Drain | Grate Free Area = 43.4





3115-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with:	
	Top Option Suffix	
	1	12
	Nickel Bronze	Cast Iron
2,3,4,5,6"	$ 2,482.00	$ 1,474.00

Dimensions (Inches) Push-On Outlet			
Pipe Size	2"	3"	4"
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 901.00	$ 1,360.00
EB	Adjustable Drain Riser Pan *	688.00	--

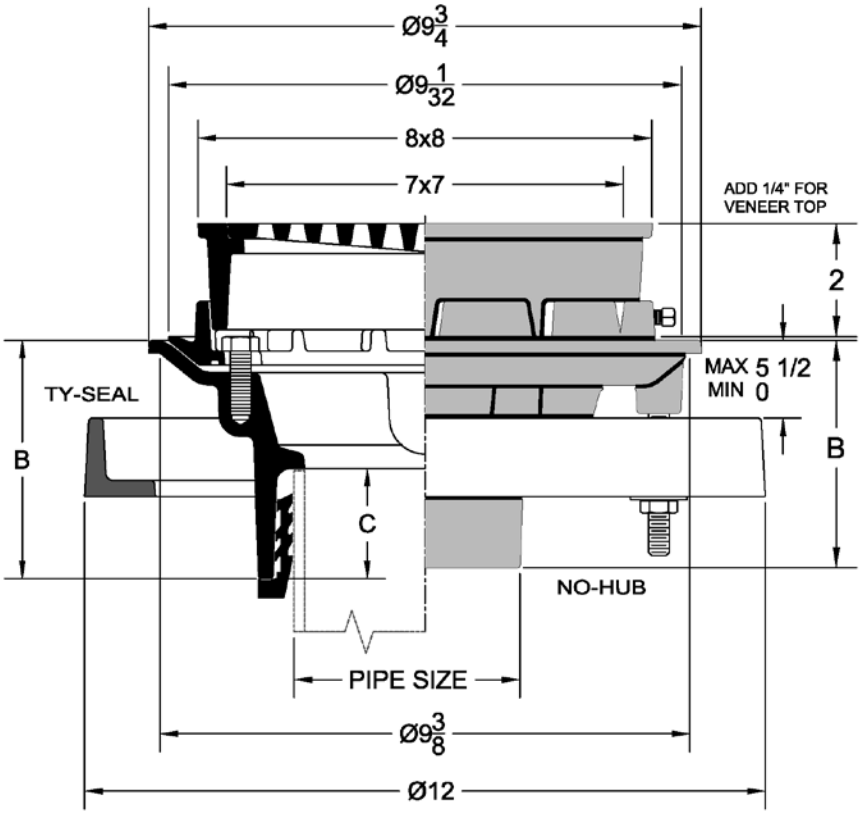
Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	36.5	36.4	36.5	36.0	36.3

Regularly Furnished: Cast iron round promenade deck drain drain with flange, flashing ring, collar and wide slot grate.

ASME Load Rating - Special Duty
* *Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,389.00
DFS	Perforated Stainless Steel Extension (1-4") *	855.00
	For Each Addition 1" (Add/In.)	96.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	216.00
VP	Vandal Proof Top	200.00
11	Heel Proof Grate (Free Area = 24.7 Sq.In.)	N/C
39	Galvanized Cast Iron	684.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3121 | 8" Square Promenade Deck Drain | Grate Free Area = 14.8





3121-12-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with:	
	Dome Option Suffix	
	1	12
	Nickel Bronze	Cast Iron
2,3,4"	$ 1,707.00	$ 1,121.00
6"	1,961.00	1,374.00
ASME Load Rating	Light Duty	Heavy Duty

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	17.0	17.0	17.0	22.2

Regularly Furnished: Cast iron square promenade deck drain with flange, flashing ring, gravel stop and secured heel proof grate.

** Dimensions vary from illustration*

Dimensions (Inches) Push-On Outlet				
Outlee Type	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	•	2	•	•

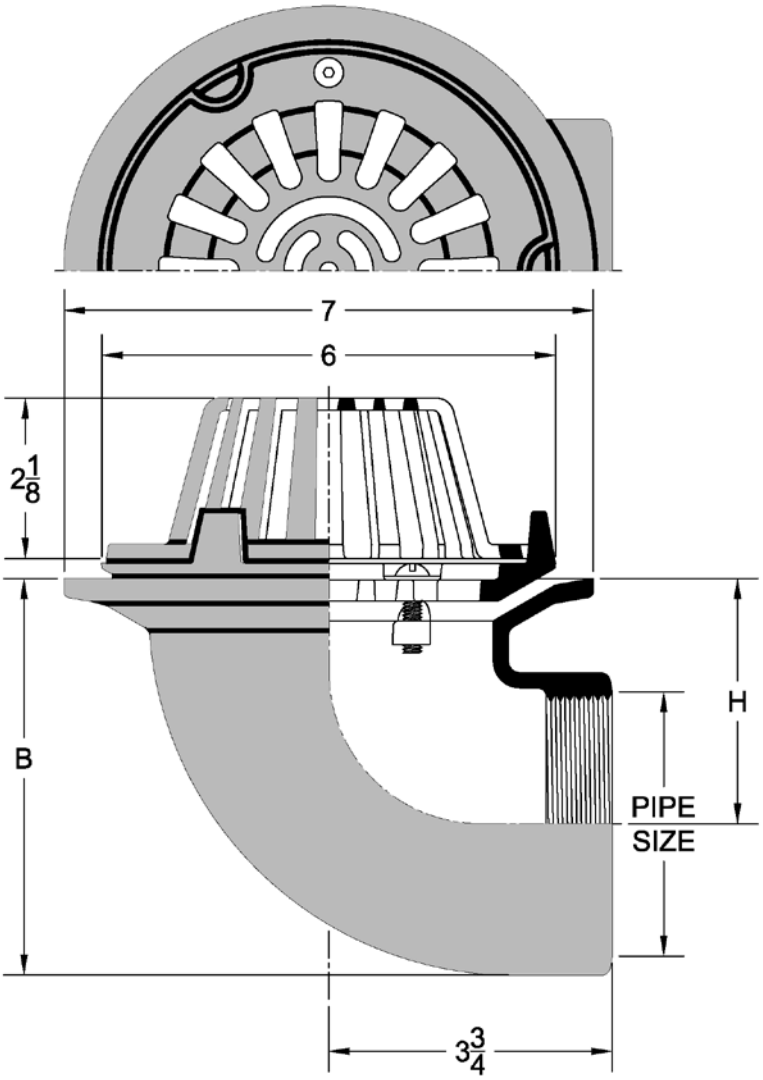
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	--

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,042.00
DFS	Perforated Stainless Steel Extension (1-4") *	632.00
	For Each Addition 1" (Add/In.)	111.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	251.00
VP	Vandal Proof Top	200.00
8	Secondary Flat Strainer	135.00
39	Galvanized Cast Iron	372.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

ROOF DRAINS

3230	Cornice / Balcony Drain	Dome Free Area = 11.3





3230-1-3IPS

Outlet (Pipe Size)	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 1 Nickel Bronze	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 3 Satin Bronze	Wt. Lbs.
2,3,4"	$ 1,335.00	$ 1,039.00	15.0

Dimensions (Inches)		
Pipe Size	B	H
2"	4	2-1/2
3"	5-1/4	3-1/4
4"	6-1/4	3-3/4

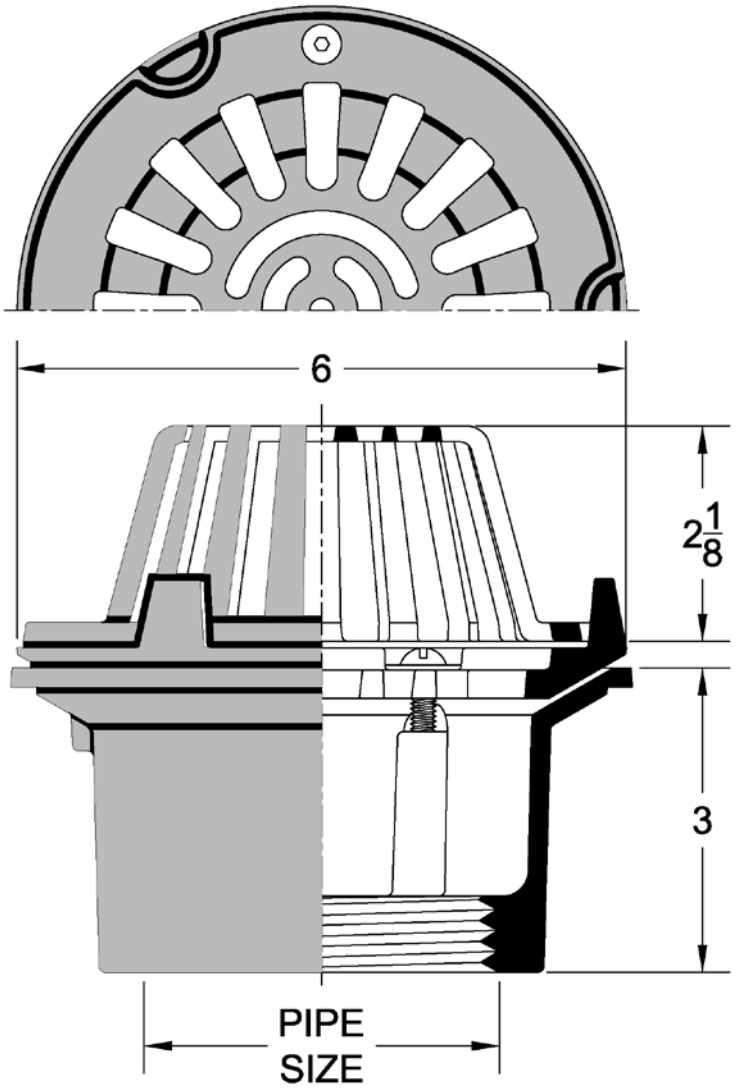
Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS	N/C

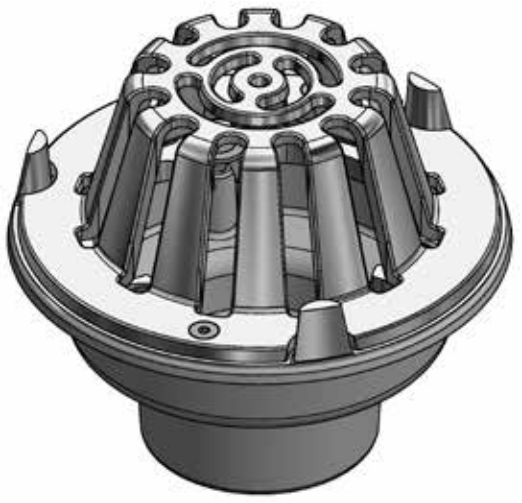
Regularly Furnished: Cast iron cornice / balcony drain with flange, flashing ring, and low profile dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top		$ 76.00
39	Galvanized Cast Iron		228.00
47	High Dome (Free Area = 24.5 Sq.In.)	-1	147.00
		-2	135.00
		-3	115.00
48	Flush Grate in Lieu of Dome *		N/C
50	Stainless Steel Mesh Over Dome		720.00

3240 | Cornice / Balcony Drain | Dome Free Area = 11.3





3240-1-2IPS

Outlet (Pipe Size)	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix		Wt. Lbs.
	1 Nickel Bronze	3 Satin Bronze	
2"	$ 1,278.00	$ 1,002.00	8.0
3”	1,359.00	1,082.00	8.0
4”	1,788.00	1,514.00	8.0

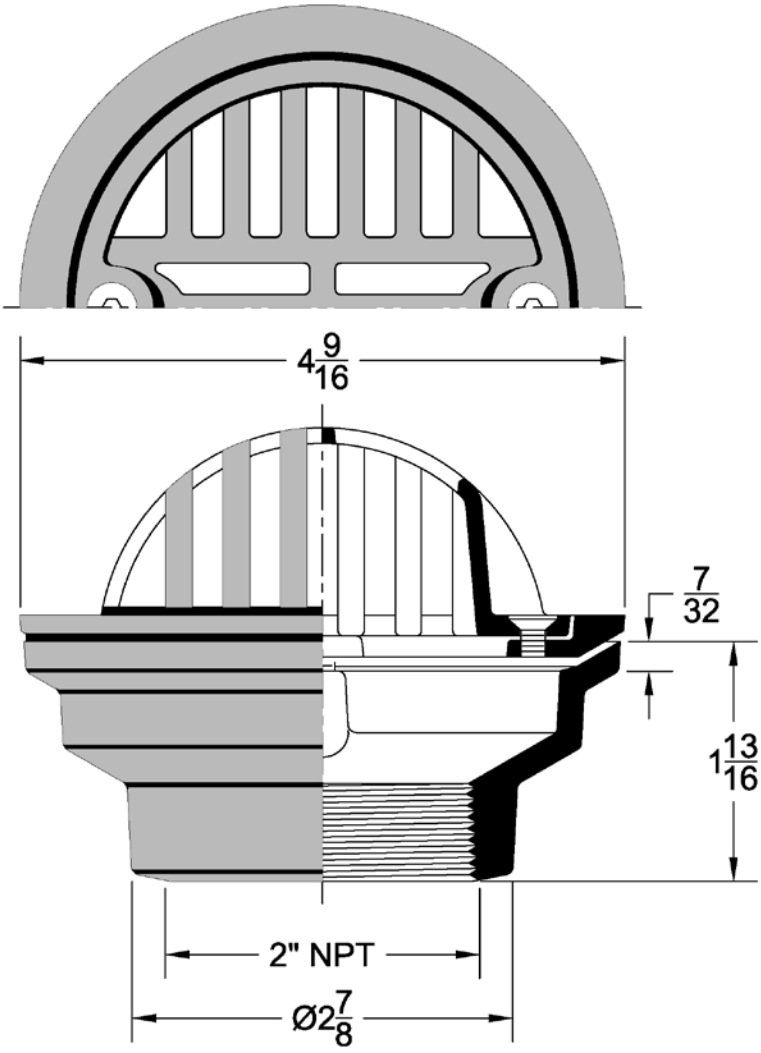
Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS	N/C

Regularly Furnished: Cast iron cornice / balcony drain with flange, flashing ring, and low profile dome.

* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top		$ 76.00
39	Galvanized Cast Iron		228.00
47	High Dome (Free Area = 24.5 Sq.In.)	-1	147.00
		-2	135.00
		-3	115.00
48	Flush Grate in Lieu of Dome *		N/C
50	Stainless Steel Mesh Over Dome		720.00

3241 | Cornice / Balcony Drain | Dome Free Area = 4.5





3241-1-2IPS

Outlet (Pipe Size)	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 1 Nickel Bronze	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 3 Satin Bronze	Wt. Lbs.
2"	$ 901.00	$ 603.00	2.0

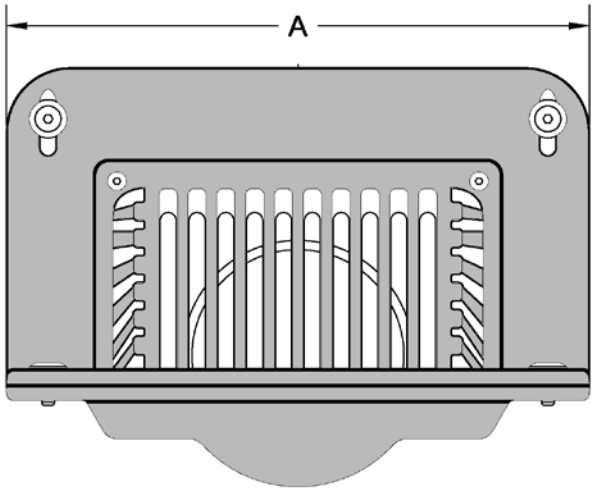
Regularly Furnished: Cast iron cornice / balcony drain with flange, flashing ring, and low profile dome.

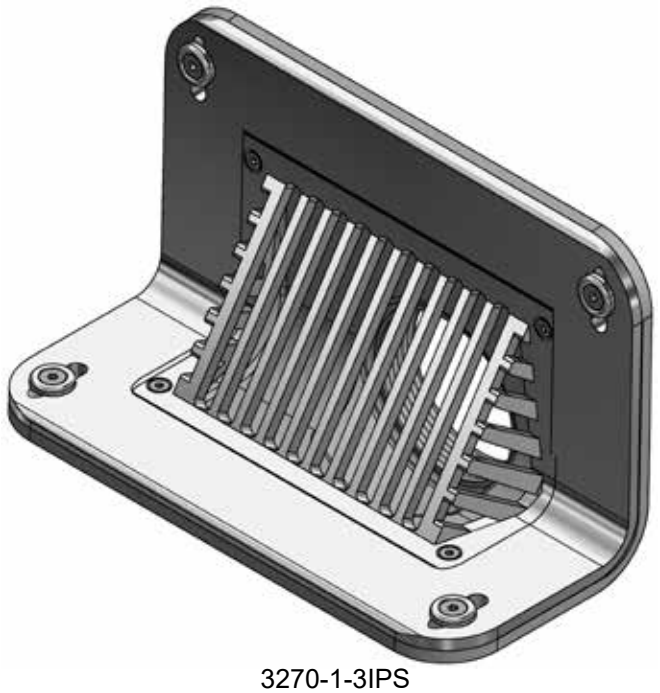
** Dimensions vary from illustration*

Suffix Options		
Suffix	**Description**	**Add**
VP	Vandal Proof Top	$ 76.00
39	Galvanized Cast Iron	228.00
50	Stainless Steel Mesh Over Dome	720.00

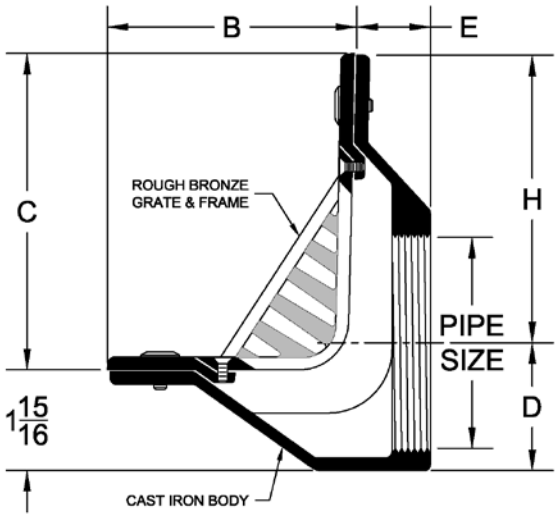
Outlet Variations		
Type	**Designation Suffix**	**Add**
Threaded	2IPS	N/C

3270 Scupper / Parapet Drain





3270-1-3IPS



Outlet Size	Painted Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	2 Satin Bronze	42 Cast Iron	46 Aluminum	Grate Free Area (Sq.In.)
2,3,4"	$ 2,221.00	$ 1,876.00	$ 843.00	$ 958.00	31.0
5,6,8"	3,012.00	2,671.00	1,638.00	1,755.00	72.0

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	H
2"	11-3/8	4-11/16	6-3/16	1-1/2	1-3/4	6-11/16
3"	11-3/8	4-11/16	6-3/16	2-1/16	1-3/4	6-11/16
4"	11-3/8	4-11/16	6-3/16	2-9/16	1-3/4	6-11/16
5"	13-1/2	8-3/8	8-3/8	3-3/16	3-9/16	7-13/16
6"	13-1/2	8-3/8	8-3/8	3-11/16	3-9/16	7-13/16
8"	13-1/2	8-3/8	8-3/8	5	4	8-13/16

Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C

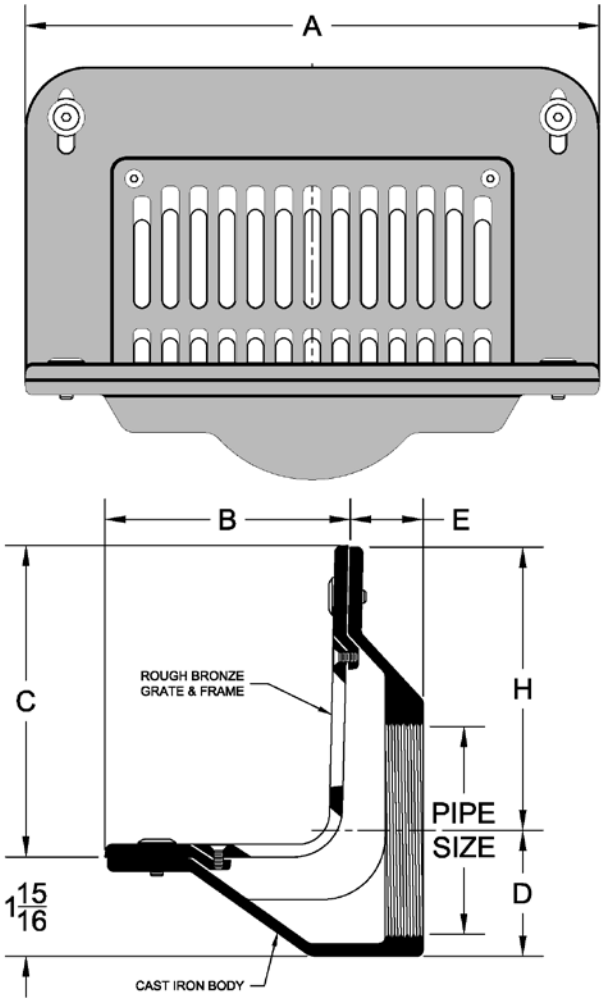
Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	19.0	17.0	17.0	28.0	28.0	33.0

Regularly Furnished: Cast iron scupper / parapet drain with flange, flashing ring and oblique grate.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
DSA	Downspout Adapter *	2,3,4"	$ 468.00
		5,6,8"	765.00
VP	Vandal Proof Top Assembly		78.00
39	Galvanized Cast Iron	2,3,4"	329.00
		5,6,8"	654.00
45O	45 Degree Side Outlet *	2,3,4"	N/C
		5,6,8"	N/A
49	Bronze Mesh Over Grate		725.00
50	Stainless Steel Mesh Over Grate		725.00

3290 Scupper / Parapet Drain





3290-1-3IPS

Outlet Size	Painted Cast Iron Body with: Top Option Suffix				Grate Free Area (Sq.In.)
	1	2	42	46	
	Nickel Bronze	Satin Bronze	Cast Iron	Aluminum	
2,3,4"	$ 2,281.00	$ 1,967.00	$ 902.00	$ 1,021.00	20.5
5,6,8"	3,078.00	2,763.00	1,697.00	1,818.00	34.5

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	H
2"	11-3/8	4-11/16	6-3/16	1-1/2	1-3/4	6-11/16
3"	11-3/8	4-11/16	6-3/16	2-1/16	1-3/4	6-11/16
4"	11-3/8	4-11/16	6-3/16	2-9/16	1-3/4	6-11/16
5"	13-1/2	8-3/8	8-3/8	3-3/16	3-9/16	7-13/16
6"	13-1/2	8-3/8	8-3/8	3-11/16	3-9/16	7-13/16
8"	13-1/2	8-3/8	8-3/8	5	4	8-13/16

Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	19.0	17.0	17.0	28.0	28.0	33.0

Regularly Furnished: Cast iron scupper / parapet drain with flange, flashing ring and flat grate.

* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
DSA	Downspout Adapter *	2,3,4"	$ 468.00
		5,6,8"	765.00
VP	Vandal Proof Top Assembly		78.00
39	Galvanized Cast Iron	2,3,4"	329.00
		5,6,8"	654.00
45O	45 Degree Side Outlet *	2,3,4"	N/C
		5,6,8"	N/A
49	Bronze Mesh Over Grate		725.00
50	Stainless Steel Mesh Over Grate		720.00

Green Roof Drains

A green roof or living roof is a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane. They may also include additional layers such as a root barrier and drainage and irrigations systems. Rooftop ponds are another form of green roofs which are used to treat greywater.

Green roofs serve several purposes for a building, such as absorbing rain water, providing insulation, creating a habitat for wildlife, providing a more aesthetically pleasing landscape, and helping to lower urban air temperatures and mitigate the heat island effect. They effectively utilize the natural functions of plants to filter water and treat air in urban and suburban landscapes. There are two types of green roof:

Extensive green roof systems are typically comprised of grasses and vegetation requiring minimum maintenance. These systems usually have a soil depth of approximately 6" and an overall buildup of 12" or less above the structural roof and are lighter than intensive green roofs, and require less maintenance.

Intensive green roofs have a much deeper soil depth and may include shrubs, trees and other decorative plants. Drainage is a critical aspect of green roof design and construction. Excessive accumulation of water in green roof areas can add excessive weight to the roof structure, potentially creating a hazardous condition. Wade provides many solutions for the green roof builder to accommodate the various systems.

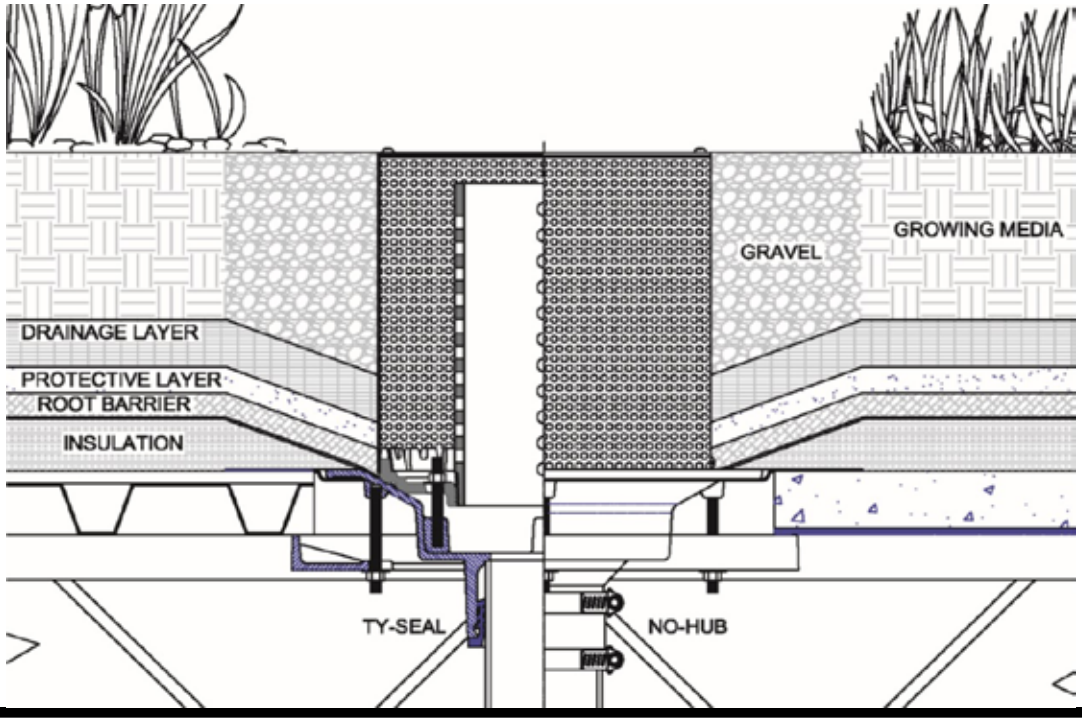
Table of Contents

Application	Model	Page
Planting Area—Primary Drain	3350	258
Planting Area—Overflow Drain	3351	259
Intensive Area—Primary Drain	3352	260
Metered Overflow Drain	3353	261
Extensive Area—Primary Drain	3354	262
Planting Area Drain w/ Auxiliary Inlet	3355	263
Multi-Level Planting Area Drain—Large Capacity	3356	264
Plaza / Promenade Multi-Level Drain—Large Capacity	3357	265
Plaza / Promenade Multi-Level Drain	3358	266
Multi-Level Planting Area Drain—Large Capacity	3359	267

3352 Intensive Area Drain

Shown with optional bearing pan and underdeck clamp.
Typical installation over structural deck.

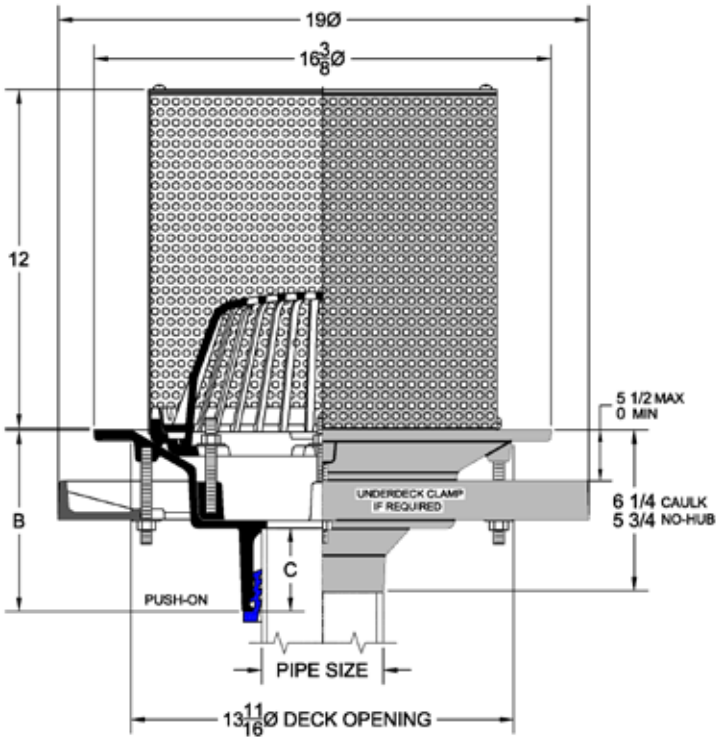
- Drain is set into deck, recessed with bearing pan and secured with underdeck clamp.
- Insulation installed—tapered to drain.
- Waterproofing membrane is applied and secured with the flashing ring.
- Root Barrier, protective layer, drainage layer and filter sheet applied.
- Growing Media and gravel base applied.

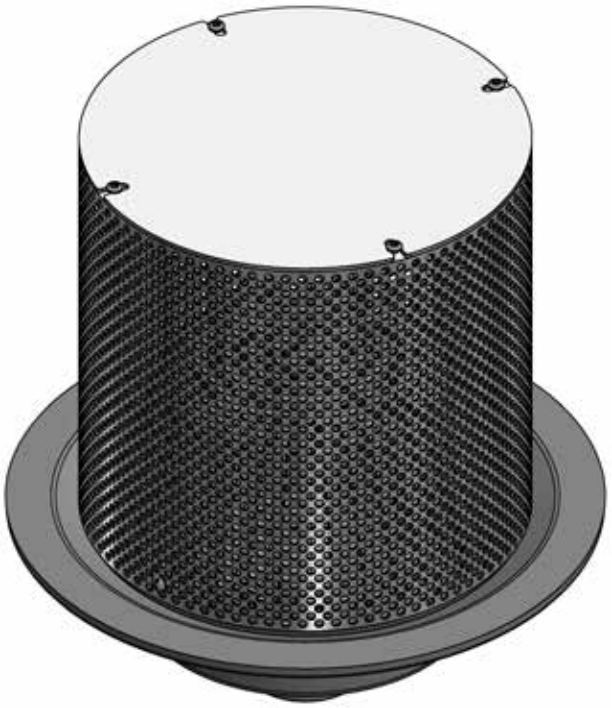


WADE

ROOF DRAINS

3350	16-3/8" Diameter Primary Planting Area Green Roof Drain	Dome Free Area = 113.5





3350-32-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,596.00	$ 3,469.00	$ 4,053.00	$ 3,761.00	$ 3,801.00
5,6"	5,011.00	3,883.00	4,470.00	4,176.00	4,218.00
8"	5,427.00	4,299.00	4,886.00	4,591.00	4,633.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & mushroom locking dome.

** Dimensions vary from illustration*

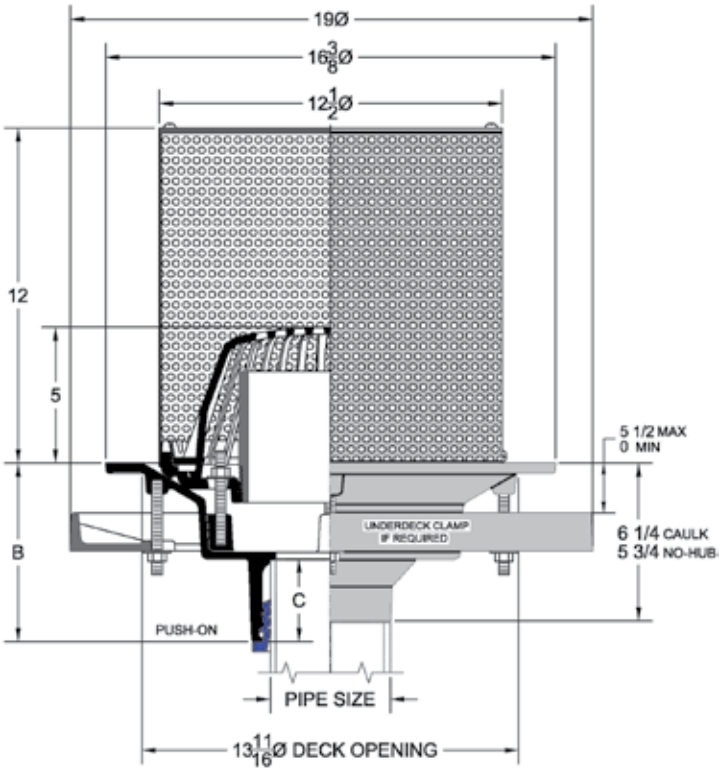
Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

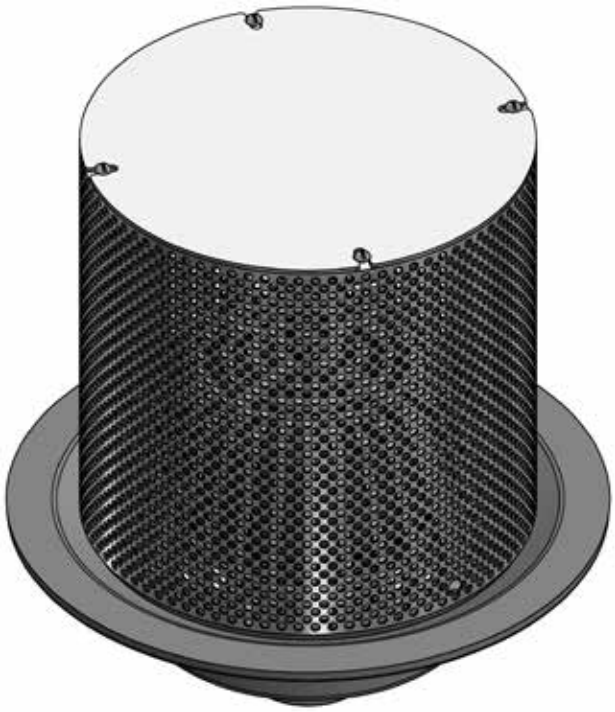
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3351 | 16-3/8" Diameter Overflow Planting Area Green Roof Drain





3353-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 5,130.00	$ 3,999.00	$ 4,585.00	$ 4,294.00	$ 4,336.00
5,6"	5,548.00	4,417.00	5,003.00	4,709.00	4,753.00
8"	5,960.00	4,830.00	5,417.00	5,124.00	5,168.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & mushroom locking dome.

** Dimensions vary from illustration*

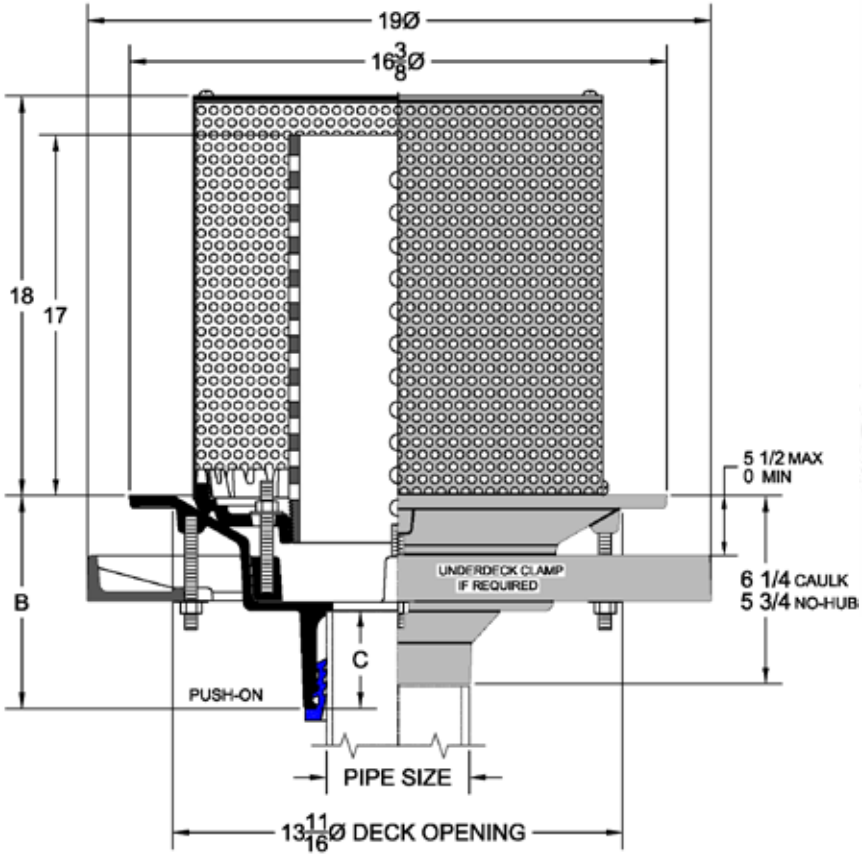
Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3352 — 16-3/8" Diameter Intensive Planting Area Green Roof Drain with Perforated Standpipe





3352-3NH

Outlet (Pipe Size)	Regularly Furnished
2,3,4"	$ 3,500.00
5,6"	3,917.00
8"	4,330.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	38.1	37.4	38.5	37.2	37.1	38.5

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, perforated standpipe, stainless steel perforated extension, solid secured cover & bottom outlet.

** Dimensions vary from illustration*

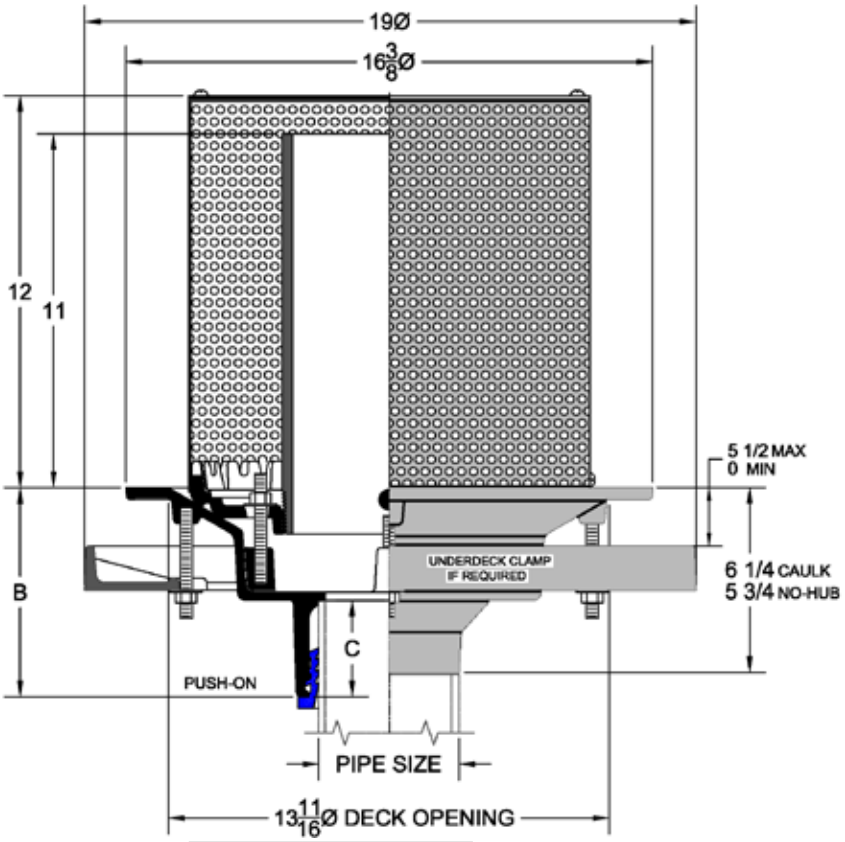
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

3353

16-3/8" Diameter Intensive Planting Area Green Roof Drain with Control Flow Orifice





3353-3NH

Outlet (Pipe Size)	Regularly Furnished
2,3,4"	$ 3,261.00
5,6"	3,678.00
8"	4,092.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	38.1	37.4	38.5	37.2	37.1	38.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, plastic standpipe with control flow orifice, stainless steel perforated extension, solid secured cover & bottom outlet.

** Dimensions vary from illustration*

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

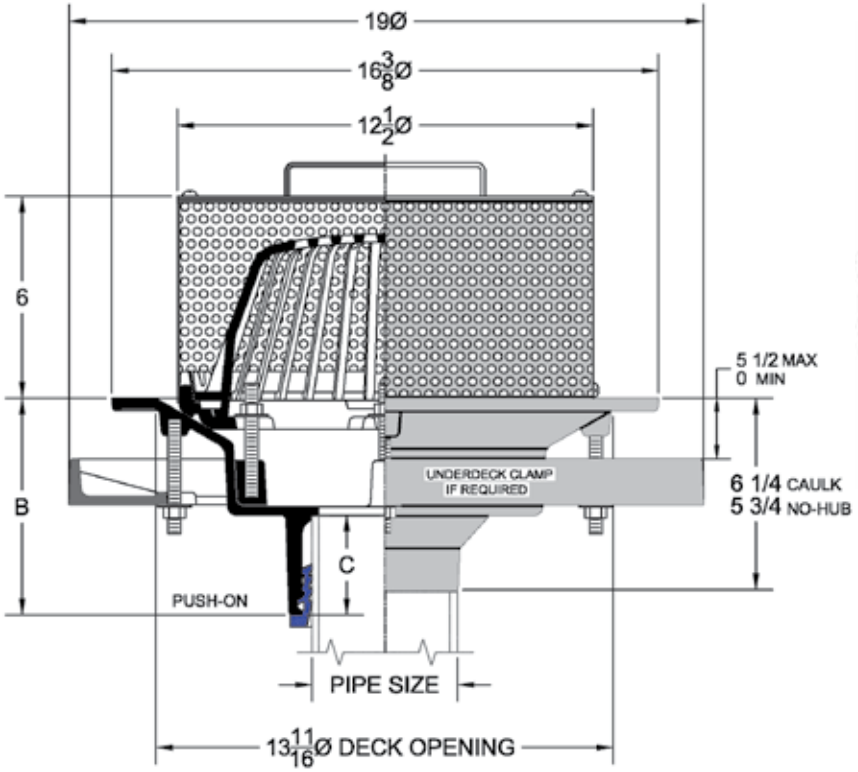
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

ROOF DRAINS

3354	16-3/8" Diameter Extensive Planting Area Green Roof Drain	Dome Free Area = 113.5





3350-32-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,676.00	$ 3,549.00	$ 4,255.00	$ 3,842.00	$ 3,882.00
5,6"	5,093.00	3,966.00	4,672.00	4,257.00	4,299.00
8"	5,509.00	4,380.00	5,086.00	4,673.00	4,717.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & mushroom locking dome.

** Dimensions vary from illustration*

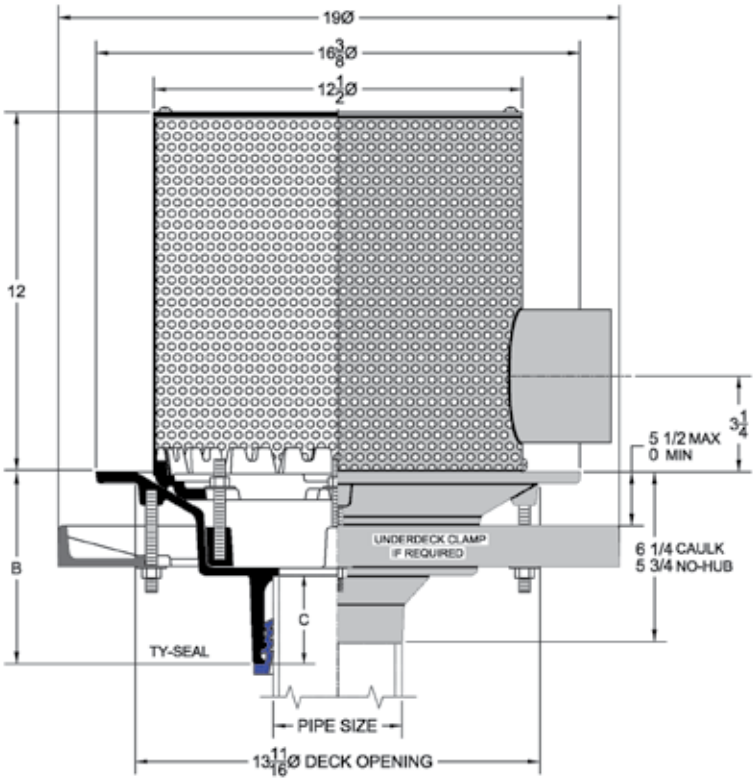
Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

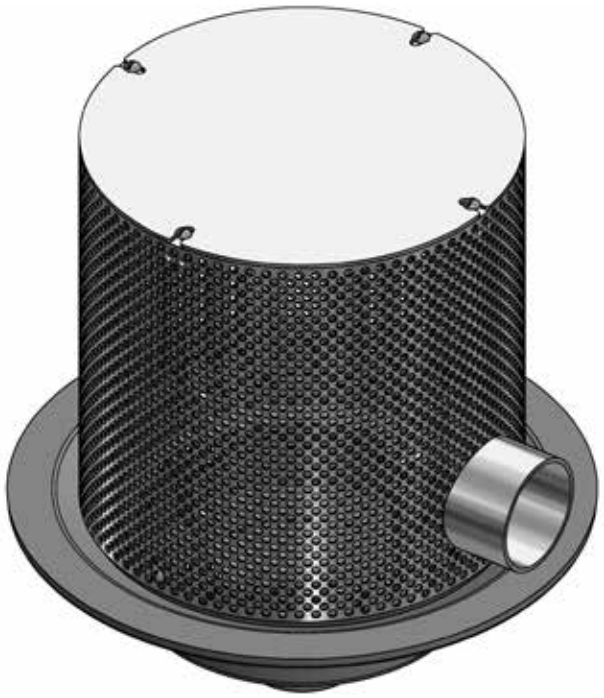
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3355 | 16-3/8" Diameter Planting Area Green Roof Drain with Auxiliary Inlet





3355-3NH-2AI

▲ Auxiliary Inlet Size cannot exceed outlet size.

Outlet (Pipe Size)	Auxiliary Inlet Size ▲	Regularly Furnished
2,3,4"	2,3,4"	$ 5,345.00
5,6"	2,3,4,5,6"	5,761.00
8"	2,3,4,5,6"	6,177.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Dimensions (Inches)				
Pipe Size	**2"**	**3"**	**4"**	**6"**
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & auxiliary side inlet.

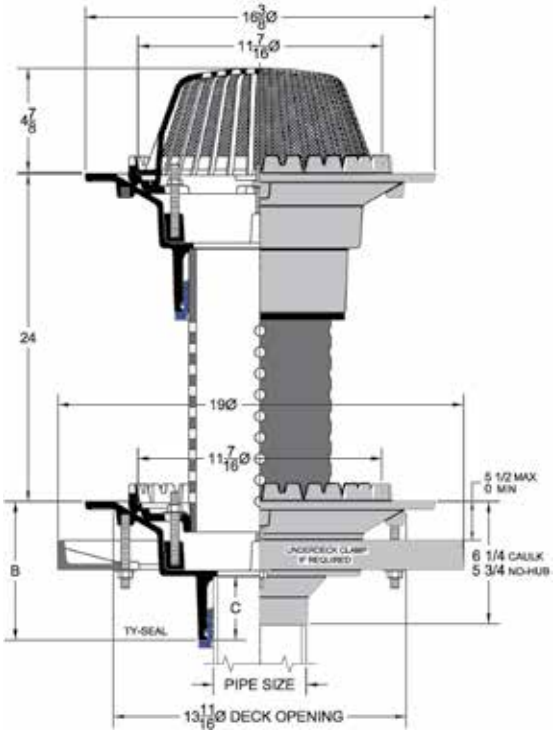
** Dimensions vary from illustration*

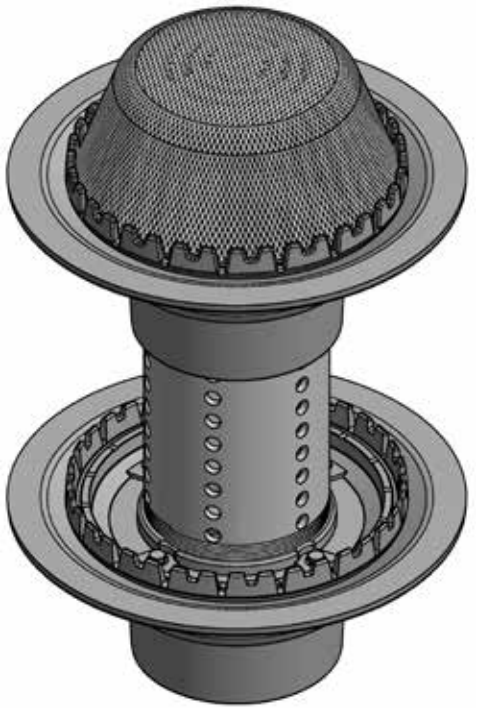
Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
E	Elastomeric Wide Flange Body *	1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	170.00
39	Galvanized Cast Iron	1,307.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

3356 | 16-3/8" Diameter Multi-Level Planting Area Green Roof Drain | Dome Free Area = 113.5





3356-32-6NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,952.00	$ 3,824.00	$ 4,413.00	$ 4,118.00	$ 4,161.00
5,6"	5,367.00	4,240.00	4,829.00	4,534.00	4,576.00
8"	5,784.00	4,656.00	5,245.00	4,948.00	4,991.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	72.2	70.8	73.0	70.4	70.2	73.0

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, plastic perforated standpipe, stainless steel meshed lined mushroom locking dome.

** Dimensions vary from illustration*

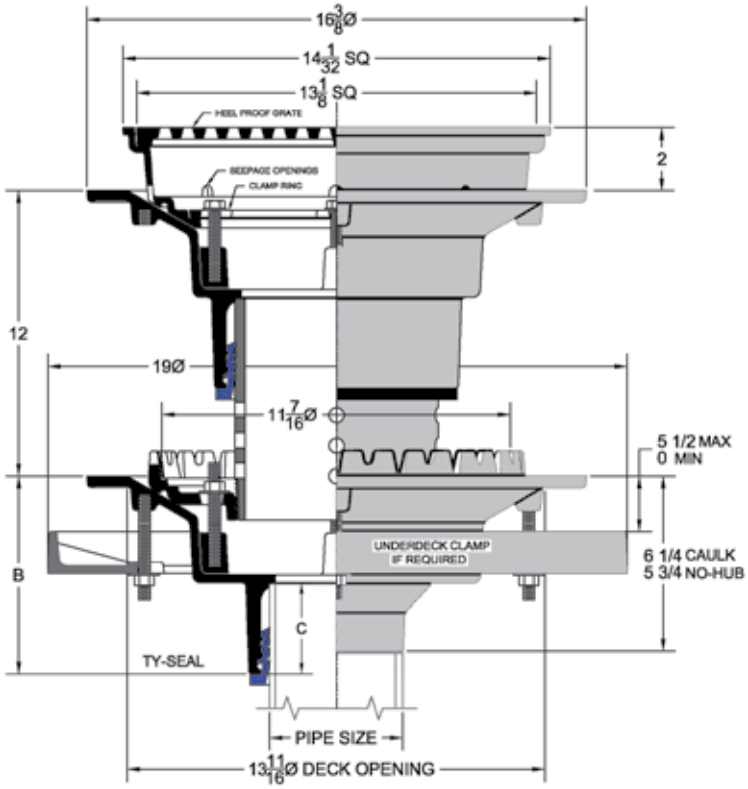
Dimensions (Inches)				
Pipe Size	**2"**	**3"**	**4"**	**6"**
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

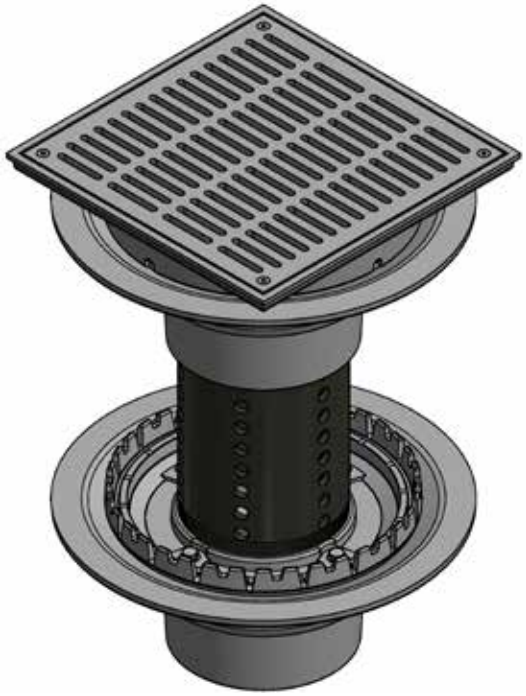
Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	2,615.00
		(42)	3,713.00
48	Flush Grate in Lieu of Dome *		935.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3357 | 14" Square Green Roof Promenade Deck Drain | Grate Free Area = 46.5





3357-12-6NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Top Option Suffix		
	1	2	12
	Nickel Bronze	Satin Bronze	Cast Iron
2,3,4"	$ 6,844.00	$ 6,597.00	$ 5,467.00
5,6"	7,262.00	7,016.00	5,882.00
8"	7,677.00	7,429.00	6,297.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, plastic perforated standpipe, square promenade top.
ASME Load Rating - Special Duty
** Dimensions vary from illustration*

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

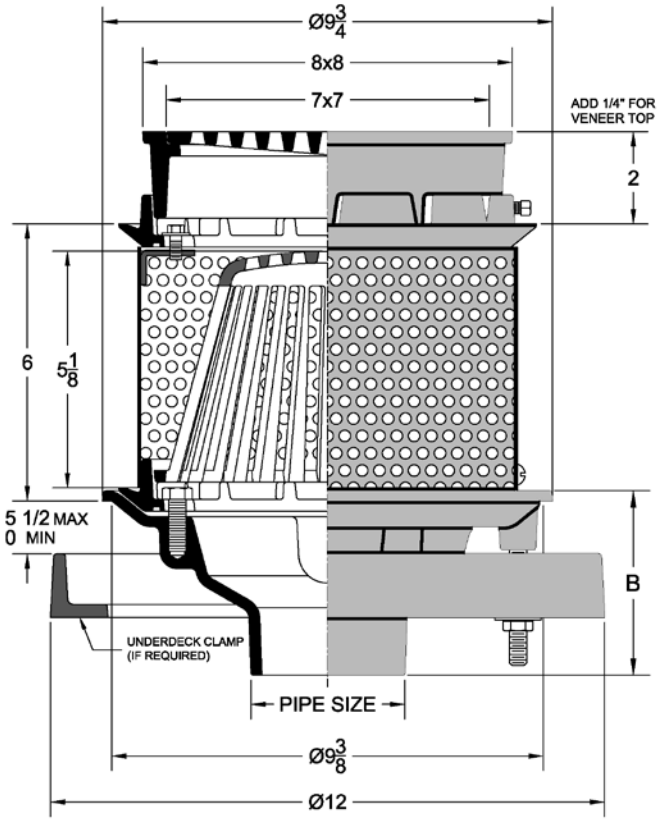
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
E	Elastomeric Wide Flange Body *	1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	170.00
WS	Wide Slot Grate (Free Area = 66.5 Sq.In.)	N/C
39	Galvanized Cast Iron	3,713.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

ROOF DRAINS

3358	9" Square Green Roof Promenade Deck Drain	Grate Free Area = 14.8





3358-12-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix		
	1	2	12
	Nickel Bronze	Satin Bronze	Cast Iron
2,3,4"	$ 3,559.00	$ 3,483.00	$ 2,963.00
6"	3,598.00	3,528.00	3,034.00
ASME Load Rating	Light Duty	Light Duty	Heavy Duty

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	17.0	17.0	17.0	22.2

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, square promenade top and bottom outlet.

** Dimensions vary from illustration*

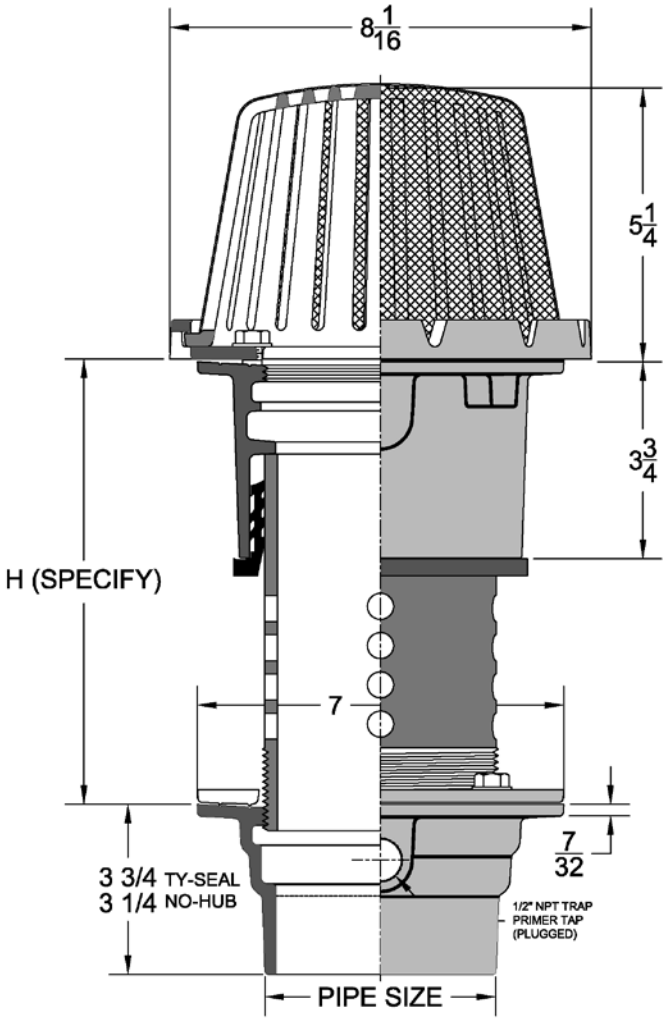
Dimensions (Inches) Push-On Outlet				
Outlee Type	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	•	2	•	•

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	N/A

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,042.00
E	Elastomeric Flange *	1,695.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	251.00
VP	Vandal Proof Top	200.00
39	Galvanized Cast Iron	491.00
40	Gavanized Iron Top	371.00
46	Aluminum Dome	108.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3359 | 8" Diameter Multi-Level Planting Area Green Roof Drain | Dome Free Area = 43.0





3359-32-3TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 3,355.00	$ 2,925.00	$ 3,070.00	$ 3,051.00	$ 3,147.00
6"	3,608.00	3,176.00	3,325.00	3,304.00	3,400.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	72.2	70.8	73.0	70.4	70.2	73.0

Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, plastic perforated standpipe, stainless steel mesh lined dome and bottom outlet.

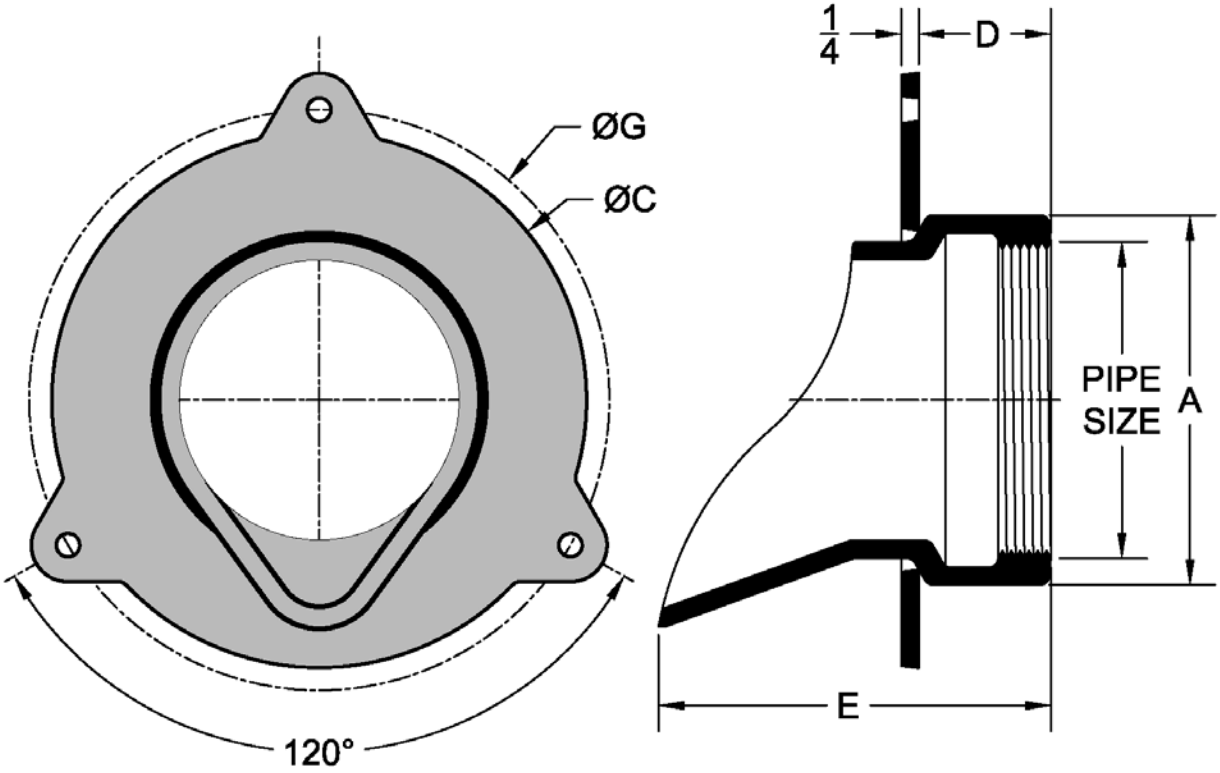
** Dimensions vary from illustration*

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	N/A

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,273.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	251.00
VP	Vandal Proof Top	150.00
27	Sediment Bucket	183.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3940 Downspout Nozzle with Threaded or Slip Joint Inlet



Pipe Size	Material Option Suffix			Wt. Lbs.
	1	2	3	
	Nickel Bronze	Satin Bronze	Rough Bronze	
2"	$ 1,474.00	$ 1,328.00	$ 859.00	10.0
3"	1,474.00	1,328.00	859.00	9.0
4"	1,474.00	1,328.00	859.00	9.0
5"	2,646.00	2,386.00	2,039.00	17.0
6"	2,646.00	2,386.00	2,039.00	16.0
8"	3,622.00	3,490.00	3,085.00	18.0
10"	4,733.00	4,534.00	4,008.00	19.0

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	G
2"	5-1/4	3-5/8	7-5/8	1-7/8	5-5/8	8-1/4
3"	5-1/4	3-1/8	7-5/8	1-7/8	5-5/8	8-1/4
4"	5-1/4	2-5/8	7-5/8	1-7/8	5-5/8	8-1/4
5"	5-7/8	3	7-3/4	1	5-7/8	8-1/2
6"	7	3-1/2	8-3/4	1	5-3/4	9-1/2
8"	9-1/4	4-5/8	10-7/8	1-1/8	5-3/4	11-5/8
10"	11-7/8	6	12-7/8	1-3/4	6-1/8	14

Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C
Slip Joint	4SJ,5SJ,6SJ,8SJ,10SJ	N/C



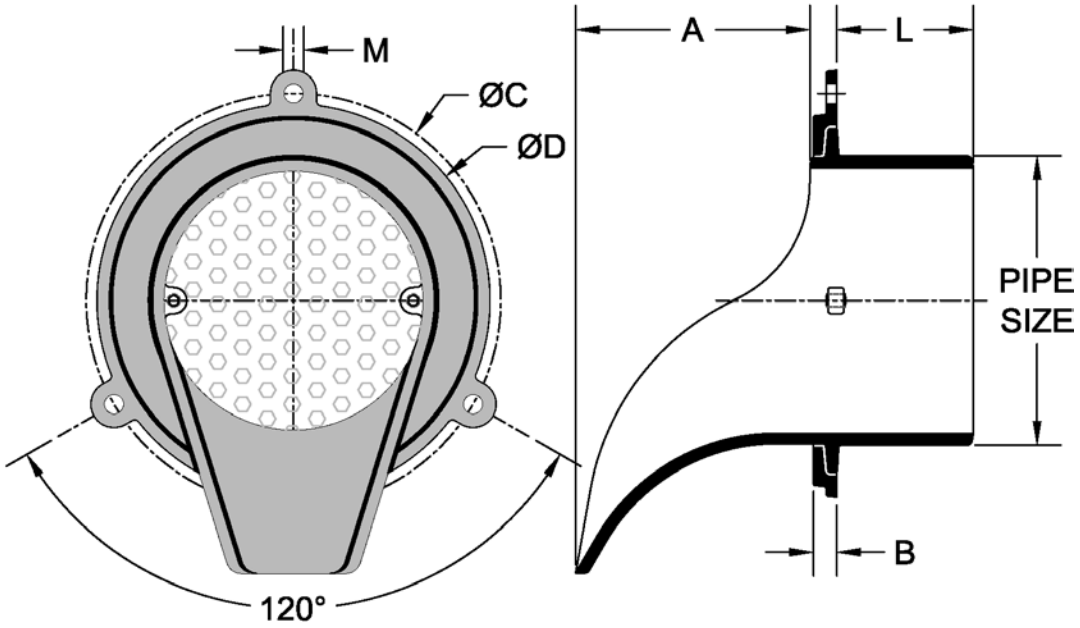
3940-1-4IPS

Regularly Furnished: Downspout nozzle with decorative wall flange and threaded or slip joint inlet.

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
166	S/S Perforated Bird/Rodent Screen	$ 753.00

3940-NH | Downspout Nozzle with No-Hub Inlet



S/S BIRD SCREEN
(IF REQUIRED)

Pipe Size	Material Option Suffix			Wt. Lbs.
	1	2	3	
	Nickel Bronze	Satin Bronze	Rough Bronze	
2"	$ 1,474.00	$ 1,328.00	$ 859.00	5.0
3"	1,474.00	1,328.00	859.00	6.0
4"	1,474.00	1,328.00	859.00	7.0
5"	2,646.00	2,386.00	2,039.00	12.0
6"	2,646.00	2,386.00	2,039.00	13.0
8"	3,622.00	3,490.00	3,085.00	14.0
10"	4,733.00	4,534.00	4,008.00	15.0
12"	5,856.00	5,611.00	5,446.00	17.0



3940-1-4NH

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	G
2"	2-3/8	5/16	4-3/8	4	2	5/16
3"	3	5/16	5-3/8	5	2	5/16
4"	3-1/2	5/16	6-1/4	6	2	5/16
5"	3-1/2	1/2	8	7-1/2	2-1/2	7/16
6"	3-1/2	1/2	9	8-1/2	2-1/2	7/16
8"	3-1/2	1/2	11-1/8	10-9/16	2-1/2	7/16
10"	3-1/2	1/2	13-1/2	12-7/8	2-1/2	7/16
12"	3-1/2	1/2	15-3/8	14-3/4	2-1/2	7/16

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH,10NH,12NH	N/C

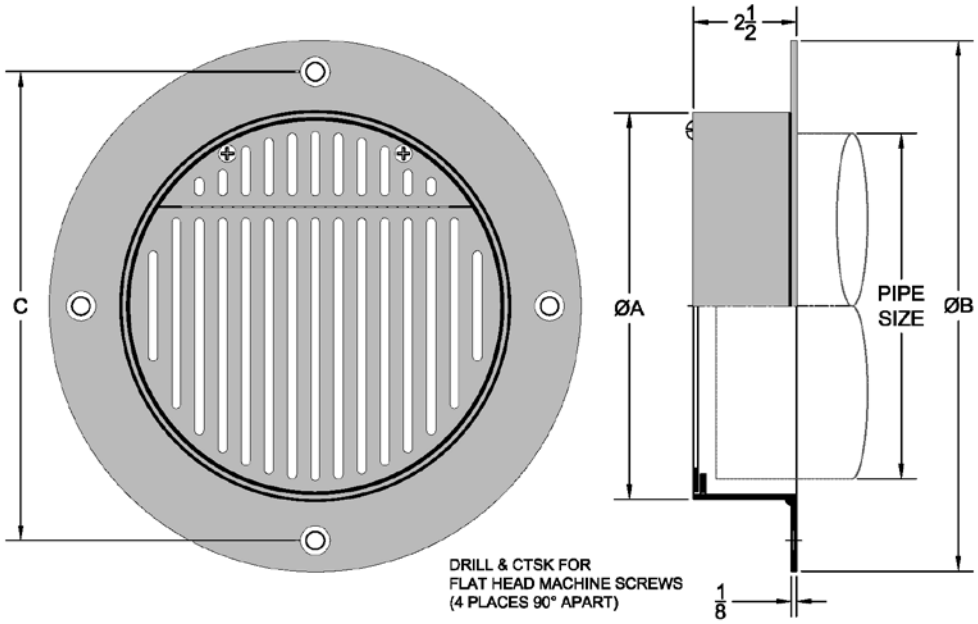
Regularly Furnished: Downspout nozzle with decorative wall flange and No-Hub inlet.

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
166	S/S Perforated Bird/Rodent Screen	$ 753.00

ROOF DRAINS

3941 Downspout Cover



Pipe Size	85 Stainless Steel	Grate Free Area (Sq.In.)	Wt. Lbs.
3"	$ 3,973.00	3.8	8.0
4"	3,973.00	5.4	8.0
5"	4,192.00	8.3	8.5
6"	4,192.00	17.0	9.0
8"	4,402.00	23.4	10.0
10"	4,656.00	36.5	12.0
12"	4,932.00	55.4	14.0
15"	5,217.00	70.3	16.0
16"	5,536.00	76.8	17.0
18"	6,153.00	91.7	18.0



3941-85-6SJ

Dimensions (Inches)			
Pipe Size	A	B	C
3"	4-1/4	7-3/4	6-1/4
4"	5-1/2	8-3/4	7-1/4
5"	6	9-1/4	7-1/4
6"	8-1/4	11-3/4	10-1/4
8"	9-3/8	12-7/8	11-3/8
10"	11-1/2	15	13-1/2
12"	13-1/2	17	15-1/2
15"	15-3/4	19-1/4	17-3/4
16"	16-3/8	20	18-3/8
18"	18-3/8	22	20-3/8

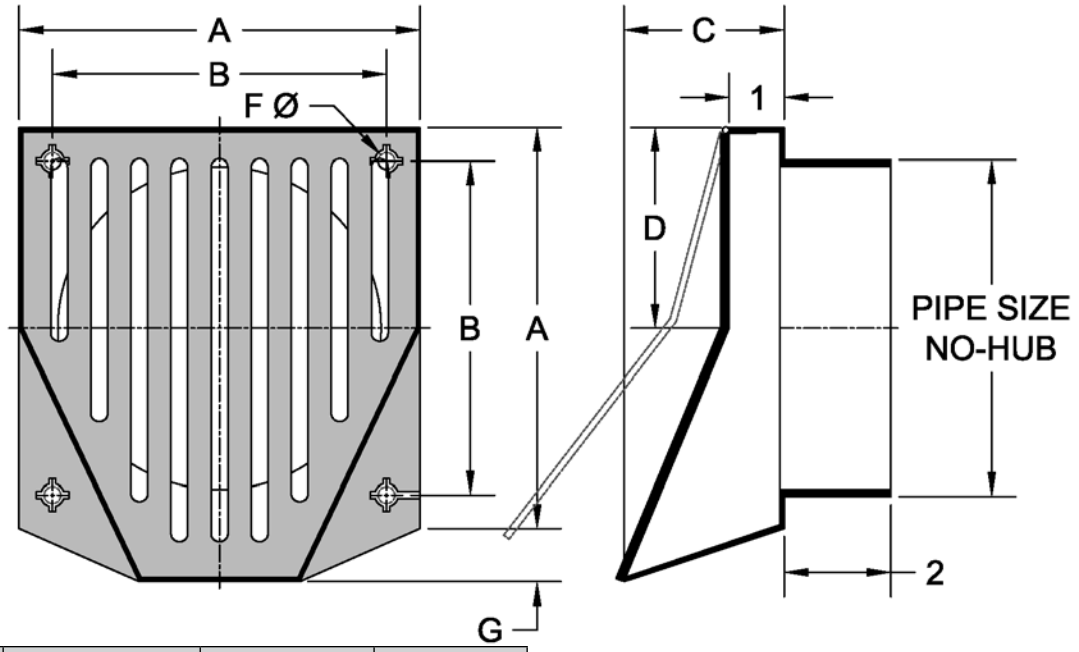
Regularly Furnished: Stainless steel downspout cover with wall flange, hinged slotted cover and slip joint inlet.

** Dimensions vary from illustration*

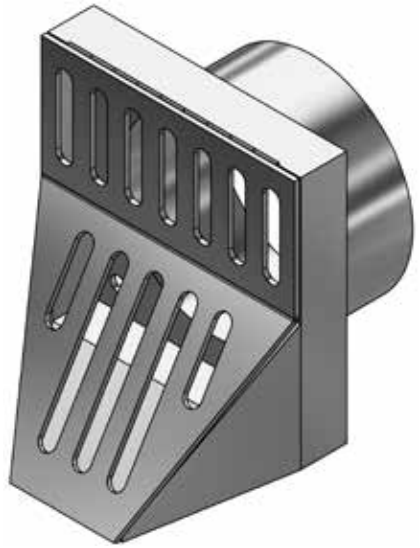
Suffix Options		
Suffix	Description	Add
102	Chrome Plated	$ 703.00

Outlet Variations		
Type	Designation Suffix	Add
Slip Joint	4SJ,5SJ,6SJ,8SJ,10SJ	N/C

3942 Downspout Nozzle with Hinged Cover



Pipe Size	85 Stainless Steel	Grate Free Area (Sq.In.)	Wt. Lbs.
3"	$ 3,467.00	8.0	3.8
4"	3,467.00	8.0	8.3
5"	3,467.00	13.1	8.7
6"	3,467.00	21.6	9.0
8"	3,467.00	29.9	15.0
10"	4,123.00	50.6	21.0
12"	4,123.00	64.3	22.0
15"	8,563.00	78.5	23.0
16"	8,563.00	78.5	23.0
18"	13,005.00	91.7	18.0



3942-85-4NH

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	G
3"	4 1/2	3 1/4	3	2 1/4	5/16	3/4
4"	5 1/2	4 1/4	3	2 3/4	5/16	1
5"	6 1/2	5 1/4	3	3 1/4	5/16	1
6"	7 1/2	6 1/4	3	3 3/4	5/16	1
8"	9 5/8	7 5/8	4	4 7/8	5/16	1 1/8
10"	13	10 1/4	5	6 3/8	7/16	1 7/8
12"	14	11 1/4	6	6 7/8	7/16	1 7/8
15"	18	14 5/8	7	9	7/16	1 7/8
16"	18	14 5/8	7	9	7/16	1 7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH,10NH,12NH	N/C

Regularly Furnished: Downspout nozzle with decorative wall flange and No-Hub inlet.

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
21	Less Grate	$ 455.00
166	S/S Perforated Bird/Rodent Screen	753.00