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SMITH® JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



LOCATION

DRAWING NUMBER
S1010

SIZE
A

SCALE:
NONE

DATE:
5-24-85

APPROVED BY:
TD

CHECKED BY:
TD

DRAWN BY:
CR

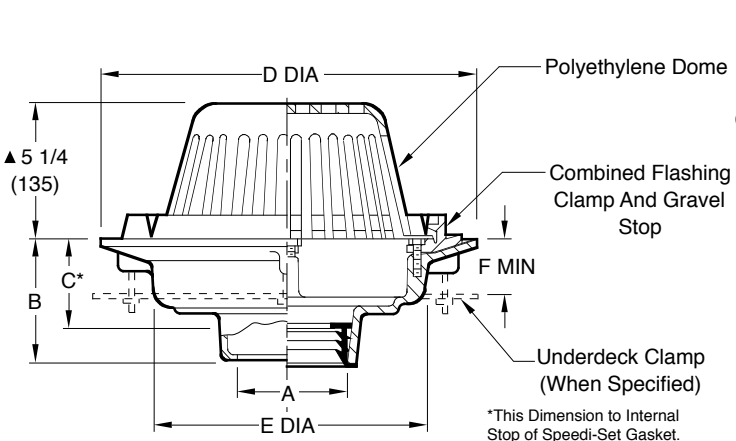
FIGURE NUMBER
1010, 1020

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

LARGE GENERAL PURPOSE ROOF DRAINS

LOW PROFILE DOME

FUNCTION: Used in flat roof of any construction. Large low profile dome provides sufficient free area for quick drainage of rain water and protects the drain sump and connected piping from the intrusion of debris. Wide clamping surface holds flashing and roofing materials without puncturing.



- Fig. 1010C CAULK OUTLET
- Fig. 1010Y NO-HUB OUTLET

recommended deck opening

outlet size	with suffix-R	less suffix-R
02(50),03(75),04(100) 05(125),06(150)	17(430) DIA	14(355) DIA
**08(200)-16, **10(250)-16	17(430) DIA	14 3/4 (375) DIA

A SIZE	B (BOTTOM OUTLET)			SIDE OUTLET			FREE AREA SQ IN (SQ CM)
	CAULK, NO-HUB, & SPEEDI-SET	THREADED	C	D DIA	E DIA	F MIN	
02(50),03(75), 04(100)	5 (125)	3 3/4 (95)	3 3/4 (95)	15 1/4 (390)	11 (280)	1 1/8 (29)	102.5 (661)
05(125), 06(150)	5 (125)	3 3/4 (95)	--	15 1/4 (390)	11 (280)	1 1/8 (29)	102.5 (661)
**08(200)-16, **10(250)-16	6 (150)	5 (125)	--	16 (405)	12 1/2 (320)	1 1/8 (29)	102.5(661) ▲122.5(790)

REGULARLY FURNISHED:

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

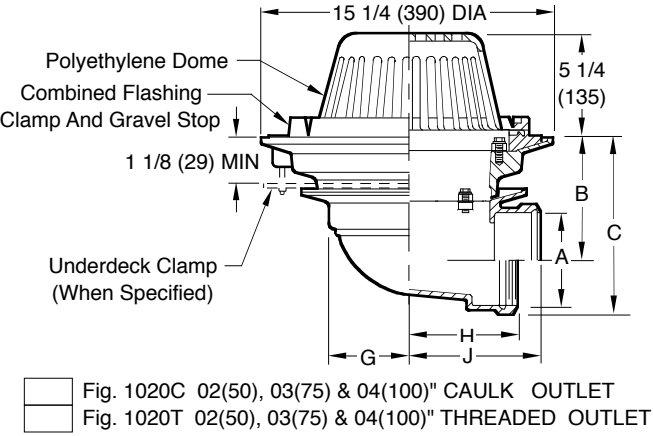
▲ NOTE: The dome height is 8 1/4" (210) for the 122.5 SQ IN free area dome and is regularly furnished in Cast Iron and is not available in polyethylene.

NOTE: Stated flow rates for roof drains are based on particular test piping configurations and dimensions. Installed roof drain flow rates cannot be stated unless the attached piping configuration is known and the effects of the drainage calculated.

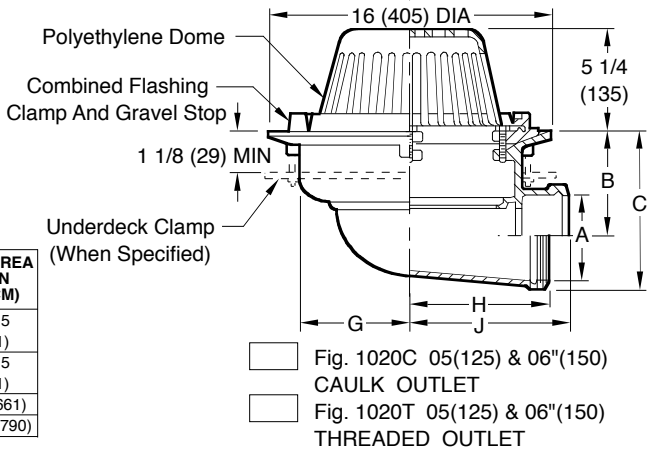
NOTE: Dimensions shown in parentheses are in millimeters.

VARIATIONS:

- Expansion Joint (Specify Fig.1710) (Fig. 1010 only)
- Extension (Specify Height) -E
- "L" Shaped Underdeck Clamp -CL
- L Speedi-Set Service Weight 02(50), 03(75), and 04(100)" sizes only (Fig. 1010 Only)
- LXH Speedi-Set Extra Heavy 02(50), 03(75), and 04(100)" sizes only (Fig. 1010 only)
- NO-HUB Adaptor (Specify Fig. 2646Y) (Fig. 1020 only)
- Secondary Flashing Clamp -C2
- Sump Receiver -R
- Underdeck Clamp -C
- Vandal Proof Dome -U
- T Threaded Outlet



- Fig. 1020C 02(50), 03(75) & 04(100)" CAULK OUTLET
- Fig. 1020T 02(50), 03(75) & 04(100)" THREADED OUTLET



- Fig. 1020C 05(125) & 06"(150) CAULK OUTLET
- Fig. 1020T 05(125) & 06"(150) THREADED OUTLET

(SIDE OUTLET)

A SIZE	02 (50)	03 (75)	04 (100)	05 (125)	06 (150)
B	6 7/8 (175)	6 3/8 (162)	5 7/8 (149)	5 (125)	4 1/2 (115)
C	8 5/8 (219)	8 3/4 (220)	8 3/4 (220)	8 1/2 (215)	8 1/2 (215)

OPTIONAL MATERIALS:

- All Aluminum -AA (Fig. 1010 only)
- ▲▲ Aluminum Dome -AD
- ▲▲ Cast Iron Dome -CID
- ▲▲ Galvanized Cast Iron Dome -CIDG
- Galvanized Cast Iron Body & Collar -G
- ▲▲ Rough Bronze Dome -RBD
- Stainless Steel (Specify Fig. 9780)

▲▲ Optional Domes' free area are as follows:

Dome Mat'l	02-06 & 08-16 Outlets
Aluminum	98 (632)
Cast Iron	80 (516)
Bronze	95 (613)

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
U	8-3-15	Added Flow Rate Note	TBW	BW			1010, 1020
T	3-12-13	Rev. Tables, Notes	TBW	CL			
S	06/01/09	Added Optional Dome free areas	JJ	CL			
R	06-09-08	Added NOTE	RN	CL			

A

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MEMBER OF:

LOCATION

DRAWING NUMBER
S1010BS

SIZE
A

SCALE:
NONE

DATE:
3-13-13

APPROVED BY:
CL

CHECKED BY:
CL

DRAWN BY:
TBW

1010BS

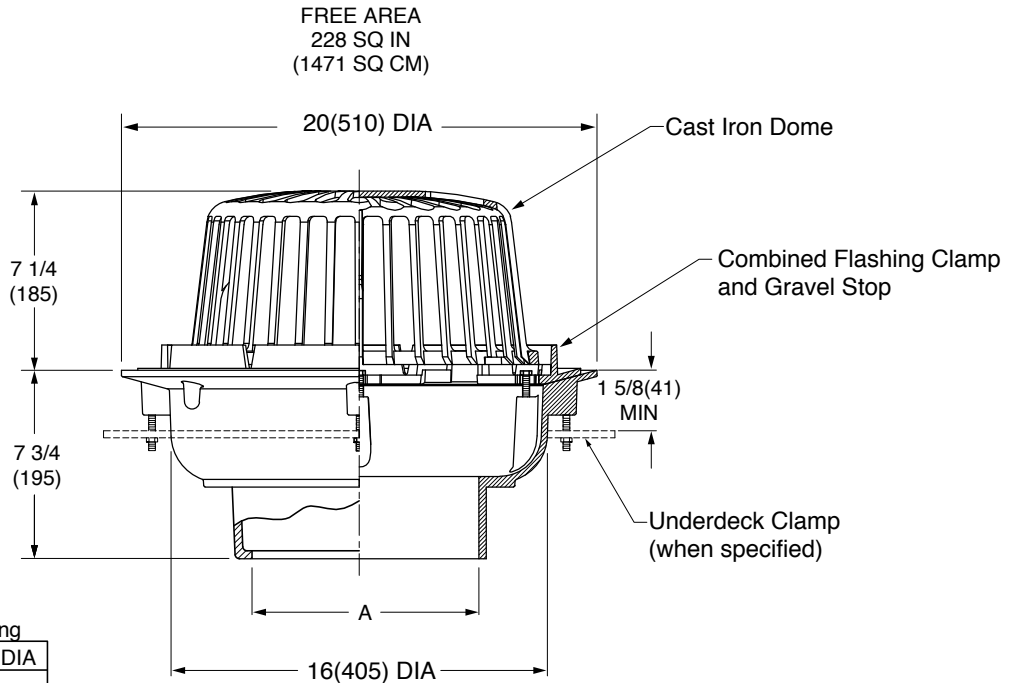
FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

LARGE GENERAL PURPOSE ROOF DRAIN

FUNCTION: Used in flat roof construction. Large dome provides sufficient free area for quick drainage of rain water and protects the drain sump and connected piping from the intrusion of debris. Wide clamping surface holds flashing and roofing materials without puncturing.



A (PIPE SIZE) = 08(200), 10(250) or *12(305)
 *12(305) outlet size available in No-Hub only.

- FIG.1010CCAULK OUTLET
- FIG.1010YNO-HUB OUTLET
- FIG.1010TTHREADED OUTLET

REGULARLY FURNISHED:

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

VARIATIONS:

- Extension (Specify Height) -E
- Secondary Flashing Clamp -C2
- Sump Receiver -R
- Underdeck Clamp -C
- "L" Shaped Underdeck Clamp -CL
- Vandal Proof Dome -U
- Stainless Steel Mesh Over Dome-SSM

OPTIONAL MATERIALS:

- Aluminum Dome -AD
- Galvanized Cast Iron -G
- Galvanized Cast Iron Dome Only -CIDG

NOTE: Stated flow rates for roof drains are based on particular test piping configurations and dimensions. Installed roof drain flow rates cannot be stated unless the attached piping configuration is known and the effects of the drainage calculated.

NOTE: Dimensions shown in parentheses are in millimeters.

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
A	8-3-15	Added Flow Rate Note	TBW	BW			1010BS

F



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LOCATION

DRAWING NUMBER
S1748

SIZE
A

SCALE:
NONE

DATE:
5-24-85

APPROVED BY:
TD

CHECKED BY:
TD

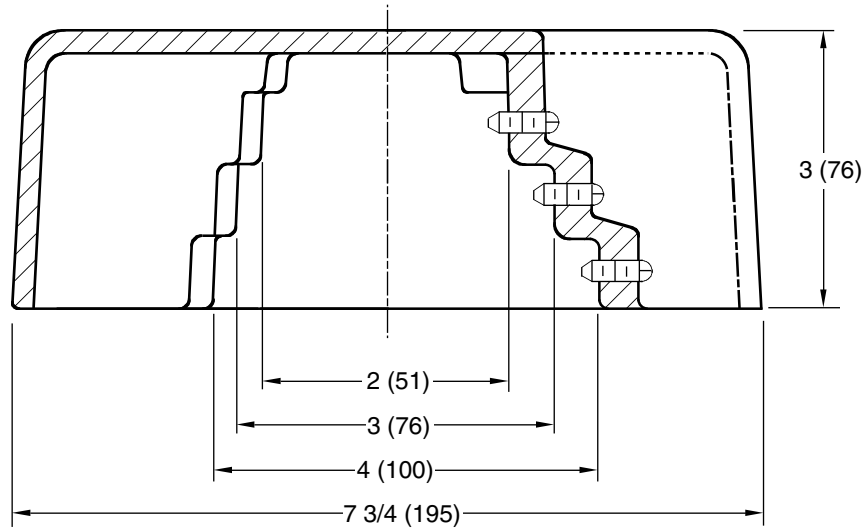
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VGD

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ROOF ACCESSORY

VENT CAP VANDAL PROOF HOODED TYPE COUNTER FLASHING

FUNCTION: Recommended for all plumbing vents which terminate above the roof level. Unique vandal proof design eliminates the possibility of sticks or other materials being either carelessly or maliciously placed in the vent openings, thus causing stoppage of the drainage system.



NOTE: Dimensions shown in parentheses are in millimeters.

(Pipe Sizes) = 02(50), 03(75) or 04(100)

Fig. 1748... VENT CAP

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

OPTIONAL MATERIALS:
 Galvanized Cast Iron -G

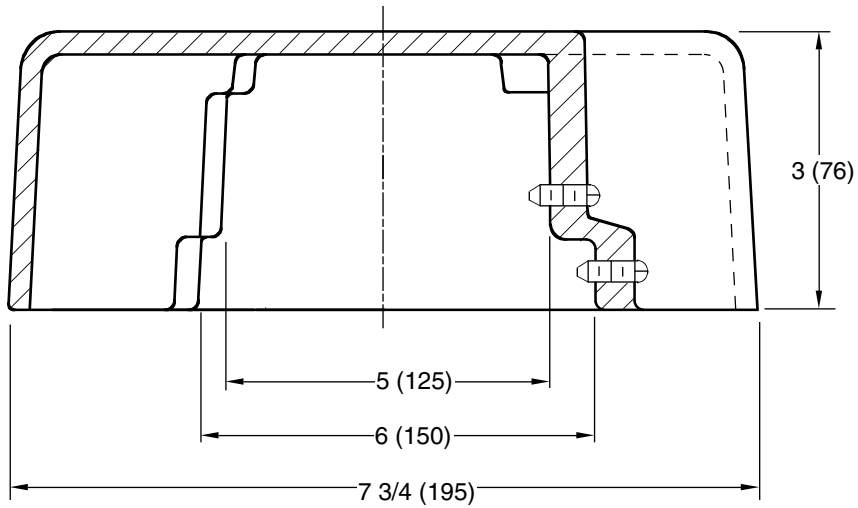
1748

FIGURE NUMBER	F	03/01/02	Deleted 1 1/2" optional pipe size Revised Millimeters	JJ	BS	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 1748
	REV.	DATE		DESCRIPTION				

ROOF ACCESSORY

VENT CAP VANDAL PROOF HOODED TYPE COUNTER FLASHING

FUNCTION: Recommended for all plumbing vents which terminate above the roof level. Unique vandal proof design eliminates the possibility of sticks or other materials being either carelessly or maliciously placed in the vent openings, thus causing stoppage of the drainage system.



NOTE: Dimensions shown in parentheses are in millimeters.

(Pipe Size) = 05 (125) or 06 (150)

Fig. 1748. . . VENT CAP

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

OPTIONAL MATERIALS:
 Galvanized Cast Iron -G

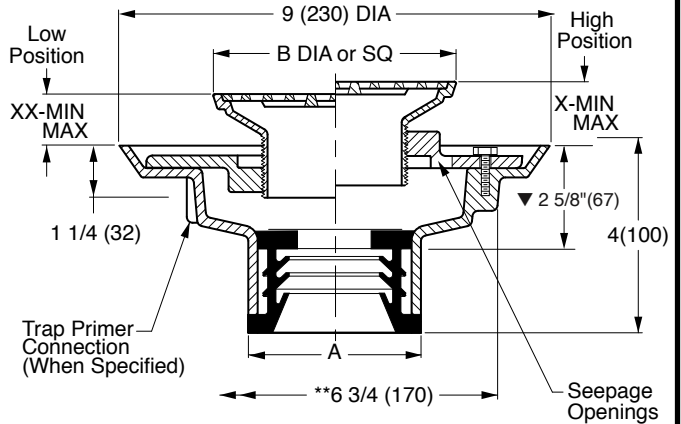
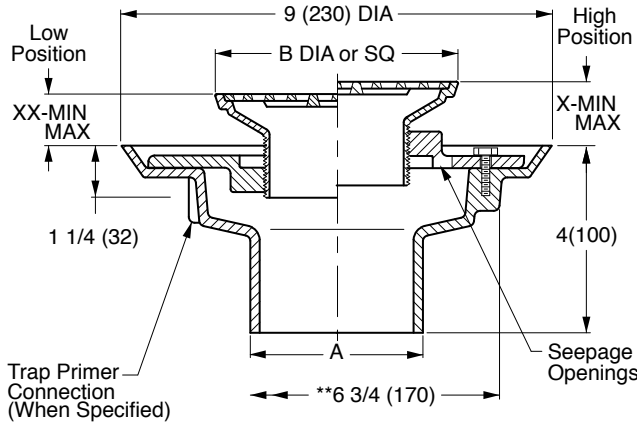
DRAWING NUMBER S1748BS
 SIZE A
 SCALE: NONE
 DATE: 5-24-85
 APPROVED BY: TD
 CHECKED BY: TD
 DRAWN BY: VGD
 1748BS
 FIGURE NUMBER

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C	6-26-96	Revised	EMB		WEIGHT	VOLUME	FIGURE NUMBER
B	7-1-94	Submittal Update	EMB	BS	POUNDS	CUBIC FEET	1748BS
A	10-91	Revised drawing	CMB	SB			
REV.	DATE	DESCRIPTION	BY	CKD. BY			

FLOOR OR SHOWER DRAINS WITH ADJUSTABLE STRAINER HEADS

FUNCTION: General service floor drain for use in showers, toilets, kitchens and other finished areas where foot traffic is expected. The round top strainer head is used for all types of poured finished floors. The square top is particularly adaptable to floors that are finished in material of square or straight line pattern. Reversible flashing collar permits adjustment of the strainer to meet finished floor level.



A (Pipe Size) = 02(50), 03(75), 04(100), 05(125) or 06(150)

NO-HUB OUTLET

- Fig. 2005Y.....(A) ROUND TOP
- Fig. 2005Y.....(B) SQUARE TOP

Outlet Size	Nickel Bronze Strainer Head
▲ 02(50)	05(125) DIA or SQ
▲ 03(75)	06(150) DIA or SQ
▲ 04(100)	08(205) DIA or SQ

SPEEDI-SET OUTLET

- Fig. 2005L.....(A) ROUND TOP
- Fig. 2005L.....(B) SQUARE TOP

Strainer Size B DIA or SQ	*Collar In High Position X		*Collar In Low Position XX		Free Area SQ IN (SQ CM)	
	MIN	MAX	MIN	MAX	ROUND	SQUARE
05 (125)	1 1/4(32)	2 1/4(57)	3/4(19)	1 5/8(41)	7(45)	6.5(42)
06 (150)	1 1/4(32)	2 1/4(57)	3/4(19)	1 5/8(41)	9(58)	12.5(81)
07 (180)	1 1/4(32)	2 1/4(57)	7/8(22)	1 7/8(48)	14(90)	11(71)
08 (205)	1 1/2(38)	2 1/2(64)	1(25)	1 7/8(48)	17(110)	14(90)
*09 (230)	1 1/2(38)	2 3/8(60)	1(25)	1 7/8(48)	18(116)	16(103)
*10 (255)	1 1/2(38)	2 3/8(60)	1(25)	1 7/8(48)	23(48)	16(103)

- ▼ This dimension to internal stop of speedi-set gasket.
- Add 3/8"(10) to all min/max dimensions for round strainers.
- * Collar is reversible to obtain extreme high and low strainer positions.
- ** Not available for 5"(125) size strainer.
- ** MIN 6 3/4"(170) hole required for core drilled application.

REGULARLY FURNISHED:

Duco Cast Iron Body with Flashing Collar and Adjustable Strainer Head as Indicated by Suffix Letter Selected.

VARIATIONS:

- Flapper Type Backwater Valve -V
- Hinged Grate -H
- L Speedi-Set Service Weight 2(50), 3(75) & 4"(100) only
- LXH Speedi-Set Extra Heavy 2(50), 3(75) & 4"(100) only
- Sediment Bucket -B
- Trap Primer Connection -P050 1/2" (13) & -P075 3/4" (19)
- Vandal Proof Screws -U
- Wide Flanged Strainer (Specify Fig. DX2005)
- T Threaded Outlet
- Heelproof Grate -HP -AHP (Round) or -BHP (Square)
- Quad Close Trap Seal (Specify Fig. 2692)

OPTIONAL MATERIALS:

- Bronze Body -BB
- Chrome Plated Strainer -CP
- Galvanized Cast Iron Body -G
- Nickel Bronze Strainer -NB
- Polished Bronze Strainer -PB
- Stainless Steel (Specify Fig. 9700-A)

NOTE: Dimensions shown in parentheses are in millimeters.

- ▲ Meets ASME Standard A112.6.3-2001 02(50), 03(75) or 04"(100) sizes only.

SEE PM0457 FOR OPTIONAL STRAINER HEADS.

DRAWING NUMBER S2005
 SCALE: NONE
 DATE: 5-17-85
 APPROVED BY: TD
 CHECKED BY: TD
 DRAWN BY: PJ
 FIGURE NUMBER 2005
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE
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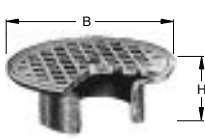
R	6-10-15	Revised Variations Rev. Dwg., Var. Revised Variations Addition to Variations	TBW	CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 2005
Q	11-18-11		TBW	CR			
P	11-20-09		RN	BW			
N	12/18/08		JJ	BW			
REV.	DATE	DESCRIPTION	BY	CKD. BY			

OPTIONAL STRAINER HEADS

G
 DRAWING NUMBER PM0457 SH 1 of 2
 SIZE A
 SCALE NONE
 DATE: 5-17-85
 APPROVED BY: TD
 CHECKED BY: TD
 DRAWN BY: PJ
 2010 SERIES OPTIONAL STRAINER HEADS
 FIGURE NUMBER

ASSUME NO RESPONSIBILITY OR USE OF SUPERSEDED OR VOID DATA
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

ROUND STRAINER



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

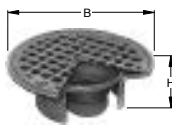
VARIATIONS:
 •Hinged Grate (Specify Suffix -AH)
 Sediment Bucket -B
 Vandal Proof Screws -U

B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)

Specify Type, Size & Finish eg: A05NB
 *Not available for 05" (125) size

SUFFIX -A

FLAPPER TYPE BACKWATER VALVE



FUNCTION: Provides backwater protection at point where protection is needed.

MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

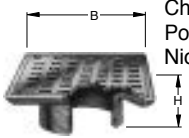
VARIATIONS:
 •Hinged Grate (Specify Suffix -AH)
 Vandal Proof Screws -U

B DIA	05 (125)	06 (150)	07 (180)	08 (205)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

Specify Type, Size & Finish eg: AV05NB
 *Not available for 05" (125) size

SUFFIX -AV

SQUARE STRAINER



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

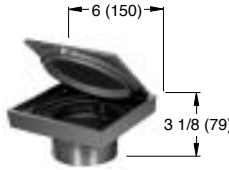
VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -BV) 05 (125), 06 (150), 07 (180) or 08" (205) sizes only
 •Hinged Grate (Specify Suffix -BH)
 Sediment Bucket -B
 Vandal Proof Screws -U

B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	2 1/4 (57)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	2 3/8 (60)

Specify Type, Size & Finish eg: B05NB
 *Not available for 05" (125) size

SUFFIX -B

STRAINER HEAD w/SQUARE HINGED COVER



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

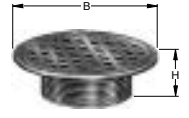
VARIATIONS:
 Gasketed Water Tight Cover -GC
 Secured Cover -SC
 Secondary Strainer Grate-SG

Specify Type, Size & Finish eg: BSNB

SUFFIX -BS

REINFORCED ROUND STRAINER

FUNCTION: Used in finished floors where light wheeled loads are anticipated.



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -CV)
 Sediment Bucket -B
 Vandal Proof Screws -U


B DIA	05 (125)	06 (150)	08 (205)	10 (255)
H	2 (51)	2 (51)	2 1/2 (64)	2 3/4 (70)
MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 7/8 (48)
MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 3/4 (70)

Specify Type, Size & Finish eg: C06NB

SUFFIX -C

REINFORCED TRACTOR STRAINER

FUNCTION: Used in finished floors where medium weight wheeled loads are anticipated and loose set non-tilt tractor grate is desired.



MATERIALS:
 Cast Iron -CI
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -DV or -EV)
 Sediment Bucket -B
 Vandal Proof Screws -U

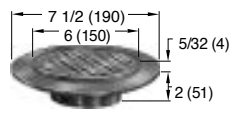
SUFFIX	B DIA	H	X	
-D	07 (180)	3 1/4 (83)	2 5/8 (67)	3 1/2 (89)
-E	09 (230)	3 1/2 (89)	2 3/4 (70)	3 1/2 (89)

Specify Type, Size & Finish eg: D09PB
 E09PB

SUFFIX -D-E

TILE FLANGE

FUNCTION: Provides integral flange set 5/32" (4) below rim to receive floor covering. Flange may have option of tapped holes for securing pan and gasket.



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -FV)
 Holes in Flange -SH
 Sediment Bucket -B
 Vandal Proof Screws -U

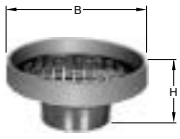
X	
MIN	MAX
1 1/4 (32)	2 1/8 (54)

Specify Type, Size & Finish eg: F06NB

SUFFIX -F

ADJUSTABLE STRAINER HEAD

FUNCTION: Used in a non-traffic area when a funnel type strainer head is required and space does not allow use of the 3500 series funnel. The extended rim allows use as an anti-flood and anti-splash drip pan.



VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -F37V or F38V)

MATERIALS:
 Cast Iron -CI
 Chrome Plated -CP
 Galvanized Cast Iron -G
 Polished Bronze -PB
 Nickel Bronze -NB

SUFFIX	-F37	-F38
B DIA	07 (180)	09 (230)
H	3 1/4 (83)	3 1/2 (89)
X MIN	2 5/8 (67)	2 3/4 (70)
X MAX	3 1/2 (89)	3 1/2 (89)

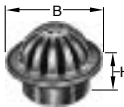

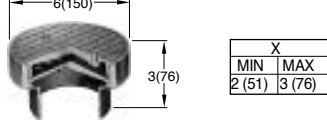
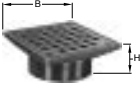

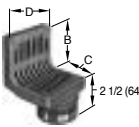
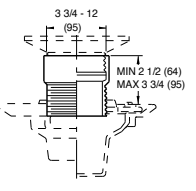
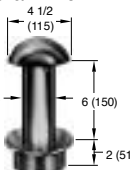
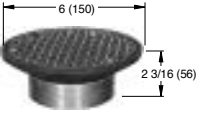
Specify Type, Size & Finish eg: F37NB F38CP

SUFFIX -F37-F38

REV.	DATE	DESCRIPTION	BY	CKD. BY	FIGURE NUMBER 2010 SERIES OPTIONAL STRAINER HEADS 1 of 2
	10-4-01	Revised Suffix-BS	RN	CL	
	8-24-99	Revised	TBW		
	6-11-99	Revised Tables	CMD	BS	
	11-4-97	Added Nickel Bronze	EMB	BS	

NOTE: Dimensions shown in parentheses are in millimeters.

OPTIONAL STRAINER HEADS

DRAWING NUMBER PM0457 SH 2 of 2	SIZE A	SCALE NONE																																																																											
<p>LOW DOME STRAINER</p> <p>FUNCTION: Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered.</p> <p>MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p>VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -GV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; text-align: center;"> <tr><td>B DIA</td><td>05 (125)</td><td>06 (150)</td><td>08 (205)</td></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/2 (64)</td></tr> <tr><td>MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td></tr> <tr><td>MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> </table> <p>SUFFIX -G Specify Type, Size & Finish eg: G08PB</p>	B DIA	05 (125)	06 (150)	08 (205)	H	2 (51)	2 (51)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p>SOLID HINGED COVER</p> <p>FUNCTION: Used in areas where intermittent drain use is required. Solid cover prevents intrusion of chips, saw-dust, etc., which are swept up before cover is opened for washdown. The secondary strainer prevents debris from entering the waste line.</p> <p>MATERIALS: Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p>VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -GV) Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; text-align: center;"> <tr><td>B DIA</td><td>05 (125)</td><td>06 (150)</td><td>07 (180)</td><td>08 (205)</td></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> <tr><td>X MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td></tr> <tr><td>X MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> </table> <p>SUFFIX -H Specify Type, Size & Finish eg: H05CP</p>	B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p>SPANNER WRENCH COVER</p> <p>FUNCTION: Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required.</p> <p>MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p>VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -JV) Sediment Bucket -B</p>  <p>SUFFIX -J Specify Type, Size & Finish eg: J06NB</p>																																							
B DIA	05 (125)	06 (150)	08 (205)																																																																										
H	2 (51)	2 (51)	2 1/2 (64)																																																																										
MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)																																																																										
MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)																																																																										
B DIA	05 (125)	06 (150)	07 (180)	08 (205)																																																																									
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)																																																																									
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)																																																																									
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)																																																																									
<p>REINFORCED SQUARE STRAINER</p> <p>FUNCTION: Used in finished floors where some light wheeled traffic is anticipated.</p> <p>MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p>VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -KV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; text-align: center;"> <tr><td>B SQ</td><td>05 (125)</td><td>06 (150)</td><td>07 (180)</td><td>08 (205)</td></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> <tr><td>X MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td></tr> <tr><td>X MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> </table> <p>SUFFIX -K Specify Type, Size & Finish eg: K07CP</p>	B SQ	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p>RECTANGULAR STRAINER</p> <p>FUNCTION: Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p>MATERIALS: Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p>VARIATIONS: Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; text-align: center;"> <tr><td>SUFFIX</td><td>L</td><td>M</td><td>N</td><td>P</td><td>R</td><td>T</td></tr> <tr><td>B x B'</td><td>4 1/2 (115)</td><td>4 1/2 (115)</td><td>5 (125)</td><td>5 (125)</td><td>6 (150)</td><td>6 (150)</td></tr> <tr><td>H</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td><td>2 1/4 (57)</td><td>3 (76)</td><td>2 1/4 (57)</td><td>3 (76)</td></tr> <tr><td>X MIN</td><td>1 3/8 (35)</td><td>1 7/8 (49)</td><td>1 3/8 (35)</td><td>2 1/8 (54)</td><td>1 3/8 (35)</td><td>2 1/4 (57)</td></tr> <tr><td>X MAX</td><td>2 3/8 (60)</td><td>2 3/4 (70)</td><td>2 3/8 (60)</td><td>3 (76)</td><td>2 3/8 (60)</td><td>3 1/8 (79)</td></tr> </table> <p>SUFFIX -L-M-N-P-R-T Specify Type, Size & Finish eg: LNB</p>	SUFFIX	L	M	N	P	R	T	B x B'	4 1/2 (115)	4 1/2 (115)	5 (125)	5 (125)	6 (150)	6 (150)	H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)	X MIN	1 3/8 (35)	1 7/8 (49)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)	X MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)	<p>ANGLE STRAINER</p> <p>FUNCTION: Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered.</p> <p>MATERIALS: Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p>VARIATIONS: Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; text-align: center;"> <tr><td>SUFFIX</td><td>B</td><td>C</td><td>D</td><td>X</td></tr> <tr><td></td><td></td><td></td><td></td><td>MIN MAX</td></tr> <tr><td>-V</td><td>3 1/2 (89)</td><td>3 1/2 (89)</td><td>4 1/2 (115)</td><td>1 5/8 (41) 2 5/8 (67)</td></tr> <tr><td>-W</td><td>6 3/4 (170)</td><td>6 3/4 (170)</td><td>6 1/2 (165)</td><td>1 5/8 (41) 2 5/8 (67)</td></tr> </table> <p>SUFFIX -V -W Specify Type, Size & Finish eg: VPB, WNB</p>	SUFFIX	B	C	D	X					MIN MAX	-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41) 2 5/8 (67)	-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)
B SQ	05 (125)	06 (150)	07 (180)	08 (205)																																																																									
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)																																																																									
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)																																																																									
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)																																																																									
SUFFIX	L	M	N	P	R	T																																																																							
B x B'	4 1/2 (115)	4 1/2 (115)	5 (125)	5 (125)	6 (150)	6 (150)																																																																							
H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)																																																																							
X MIN	1 3/8 (35)	1 7/8 (49)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)																																																																							
X MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)																																																																							
SUFFIX	B	C	D	X																																																																									
				MIN MAX																																																																									
-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41) 2 5/8 (67)																																																																									
-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)																																																																									
<p>EXTENSION ADAPTOR</p> <p>FUNCTION: Used when a strainer head must be raised to accommodate deeper floor fill.</p> <p>REGULARLY FURNISHED: Duco Cast Iron -CI</p> <p>MATERIALS: Cast Bronze -CB Galvanized Cast Iron -G</p>  <p>NOTE: Extension can be stacked for increased maximum adjustment.</p> <p>SUFFIX -X</p>	<p>OVERFLOW WITH STANDPIPE</p> <p>FUNCTION: Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line.</p> <p>MATERIALS: Chrome Plated -CP Nickel Bronze -NB Polished Bronze -PB</p> <p>VARIATIONS: Less Dome -LD Standpipe Height other than 6" (150) (Specify Height)</p>  <table border="1" style="width: 100%; text-align: center;"> <tr><td>SUFFIX</td><td>A</td><td>X</td></tr> <tr><td>SIZE</td><td>MIN MAX</td><td>MIN MAX</td></tr> <tr><td>-Y</td><td>2 (51) 3/4 (19)</td><td>2 1/8 (54)</td><td></td></tr> <tr><td>-Z</td><td>3 (76) 3/4 (19)</td><td>2 1/8 (54)</td><td></td></tr> </table> <p>SUFFIX -Y-Z Specify Type, Size & Finish eg: YCP, ZCP</p>	SUFFIX	A	X	SIZE	MIN MAX	MIN MAX	-Y	2 (51) 3/4 (19)	2 1/8 (54)		-Z	3 (76) 3/4 (19)	2 1/8 (54)		<p>HEAVY DUTY ADJUSTABLE</p> <p>FUNCTION: Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p>MATERIALS: Polished Bronze -PB Rough Bronze -RB Nickel Bronze -NB</p> <p>VARIATIONS: Flapper Type Backwater Valve (Specify Suffix -69V) Sediment Bucket -B Vandal Proof Screws -U</p>  <p>SUFFIX -69 eg: A06NB-69</p>																																																													
SUFFIX	A	X																																																																											
SIZE	MIN MAX	MIN MAX																																																																											
-Y	2 (51) 3/4 (19)	2 1/8 (54)																																																																											
-Z	3 (76) 3/4 (19)	2 1/8 (54)																																																																											

NOTE: Dimensions shown in parentheses are in millimeters.

FLOOR DRAINS

HEAVY DUTY DRAINS - SEDIMENT BUCKET TRACTOR GRATE

FUNCTION: Used in heavy trucking areas where debris is anticipated and must be intercepted. The suspended sediment bucket when set under the grate guarantees efficient interception of debris.

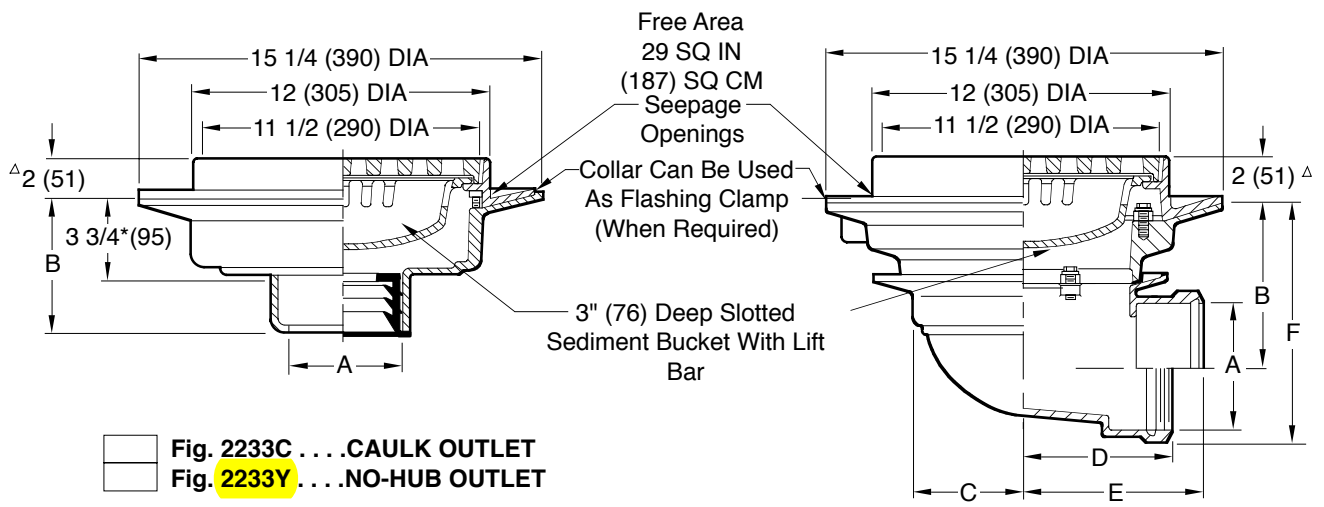


Fig. 2233C . . . CAULK OUTLET
 Fig. 2233Y . . . NO-HUB OUTLET

A Size	B	
	Caulk, NO-HUB, & Speedi-Set	Threaded
02(50), 03(80), 04(100), 05(125) or 06(150)	5 (125)	3 3/4 (95)

Fig. 2238C . . . CAULK OUTLET
 Fig. 2238T . . . THREADED OUTLET

A SIZE	02 (50)	03 (80)	04 (100)	05 (125)	06 (150)
B	6 7/8 (175)	6 3/8 (162)	5 7/8 (149)	5 (125)	4 1/2 (115)
C	4 3/4 (120)	4 3/4 (120)	4 3/4 (120)	6 1/4 (160)	6 1/4 (160)
D	6 (150)	6 (150)	6 (150)	6 5/8 (168)	6 7/8 (175)
E	7 1/4 (185)	7 1/2 (190)	7 3/4 (195)	7 3/4 (195)	7 3/4 (195)
F	8 5/8 (219)	8 3/4 (220)	8 3/4 (220)	8 1/2 (215)	8 1/2 (215)

REGULARLY FURNISHED:

Duco Cast Iron Body and Flashing Collar with Cast Iron Tractor Grate and Slotted Sediment Bucket.

*This Dimension to Internal Stop of Speedi-Set Gasket.

Δ Add 1/8"(3) when bronze top is specified

VARIATIONS:

- L Speedi-Set Service Weight 02(50), 03(80) & 04"(100) sizes only (Fig. 2233 only)
- LXH Speedi-Set Extra Heavy 02(50), 03(80) & 04"(100) sizes only (Fig. 2233 only)
- NO-HUB Adaptor (Specify Fig. 2646Y) (Fig. 2238 only)
- Square Top -S
- Trap Primer Connection -P050 1/2"(13) & -P075 3/4"(19) (Fig. 2233 only)
- Vandal Proof Grate -U
- T Threaded Outlet
- Quad Close Trap Seal (Specify Fig. 2692) (Fig. 2233 Only)

OPTIONAL MATERIALS:

- Ductile Iron Grate -M
- Galvanized Cast Iron -G
- Nickel Bronze Top -NB
- Polished Bronze Top -PB

NOTE: 02(50),03(80), & 04"(100) sizes require a transition collar (as shown in above illustration) which fits between the body & collar. 05(125) & 06"(150) sizes do not require transition collar.

NOTE: Dimensions shown in parentheses are in millimeters.

DRAWING NUMBER S2233
 SIZE A
 SCALE: NONE
 DATE: 5-17-85
 APPROVED BY: TD
 CHECKED BY: TD
 DRAWN BY: PJ
2233, 2238
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
							2233, 2238

C
DRAWING NUMBER S2670
SIZE A
SCALE: NONE
DATE: 5-17-85
APPROVED BY: TD
CHECKED BY: TD
DRAWN BY: PJ
2670,2671,2673,2674
FIGURE NUMBER

SMITH® JAY R. SMITH MFG. CO.®
DIVISION OF SMITH INDUSTRIES, INC.
POST OFFICE BOX 3237
MONTGOMERY, ALABAMA 36109-0237 (USA)
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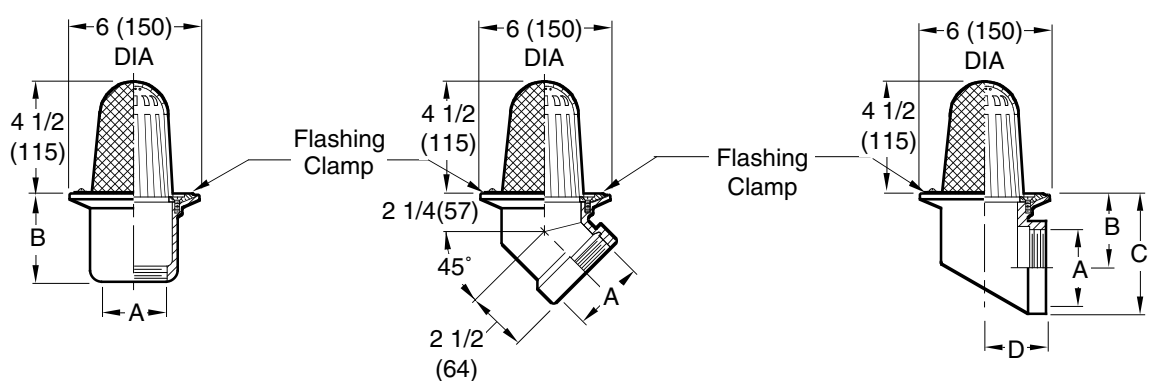
LOCATION

PLANTING AREA DRAINS

FOR SMALL AREAS

FUNCTION: Provides for the drainage of any excess moisture which builds up in planting or flower boxes. Heavy stainless steel mesh screen over the dome prevents soil or stones from entering the drain line.

Free Area
25 SQ IN
(161) SQ CM



THREADED OUTLET
Caulk When Specified

Fig. 2673T
THREADED OUTLET

Fig. 2674T
THREADED OUTLET

Fig. No.	A SIZE	B
2670T	02(50), 03(80) thread	2(51)
2670C	02(50) caulk	
2671T	02(50), 03(80), 04(100) thread	4(100)
2671C	02(50) caulk	

A SIZE	02(50)	03(80)	04(100)
B	2 1/2(64)	3(76)	3 1/2(89)
C	4(100)	5 1/4(135)	4(100)
D	2 1/2(64)	3(76)	6 1/4(160)

NOTE: Dimensions shown in parentheses are in millimeters.

REGULARLY FURNISHED:
Duct Cast Iron Body, Bronze Flashing Clamp, Secured Bronze Dome with Stainless Steel Mesh Screen.

VARIATIONS:
 NO-HUB Adaptor (Specify Fig. 2646Y)
 Vandal Proof Dome -U

OPTIONAL MATERIALS:
 Bronze Body -BB
 Galvanized Cast Iron -G
 Nickel Bronze Dome -NB

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
C	8-2-07	Added Dim. to Submittal	RN	CL			2670, 2671, 2673, 2674
B	4-14-97	Added Millimeters	EMB	BS			
A	11-17-93	Submittal Update	EMB	BS			

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

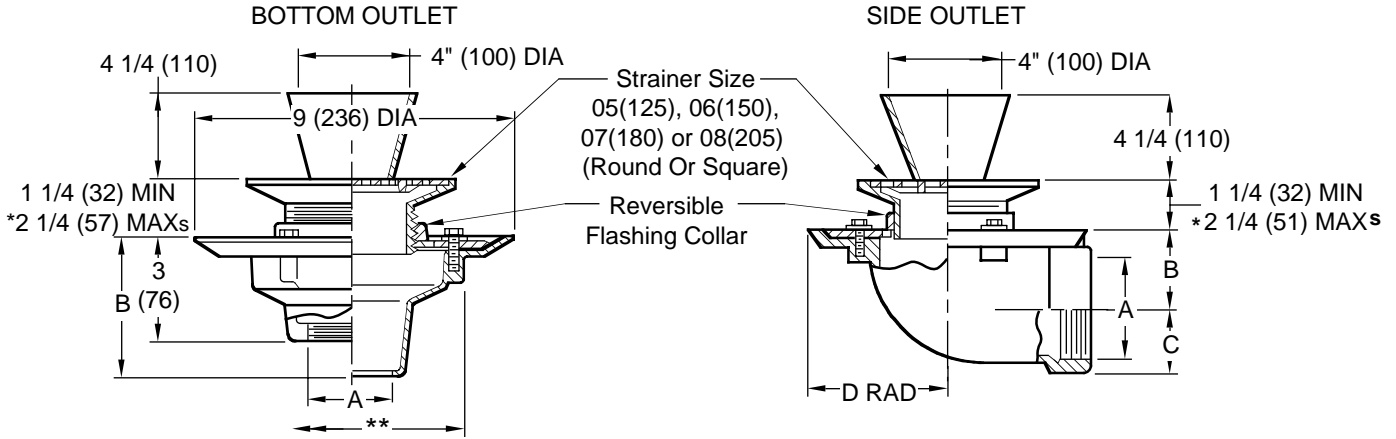
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



LOCATION

FUNNEL-CEPTOR® INDIRECT WASTE DRAINS WITH ADJUSTABLE STRAINER HEADS

FUNCTION: Used to receive waste water from indirect waste lines. Exposed grate surrounding funnel serves as drain for surrounding floor area. Adjustable strainer heads permit accurate positioning to meet finished floor level.



- Fig. 3510C . . . CAULK OUTLET
- Fig. 3510T . . . THREADED OUTLET
- Fig. 3510Y . . . NO-HUB OUTLET

Fig. 3515T . . . THREADED OUTLET

A SIZE	02 (50)	03 (80)	04 (100)
B	4 (100) for Caulk, NO-HUB and Speedi-Set 3 (76) for Threaded		

A	B	C	D
02 (50)	2 3/4 (70)	1 1/4 (32)	4 3/4 (120)
03 (80)	2 3/4 (70)	2 1/4 (57)	4 3/4 (120)
04 (100)	3 1/4 (83)	3 1/4 (83)	6 (150)

Strainer Size	Collar In High Position		Collar In Low Position		Free Area SQ IN (SQ CM)	
	MIN	MAX	MIN	MAX	Round	Square
DIA or SQ						
05 (125)	1 1/4 (32)	2 1/4 (57)	3/4 (19)	1 5/8 (41)	7 (45)	6.5 (42)
06 (150)	1 1/4 (32)	2 1/4 (57)	3/4 (19)	1 5/8 (41)	9 (58)	12.5 (81)
07 (180)	1 1/4 (32)	2 1/4 (57)	7/8 (22)	1 7/8 (48)	14 (90)	11 (71)
08 (205)	1 1/2 (38)	2 1/2 (64)	1 (25)	1 7/8 (48)	17 (110)	14 (90)

NOTE: Dimensions shown in parentheses are in millimeters.

**Min 6 3/4 (170) hole required for core drilled application

REGULARLY FURNISHED:

Duco Cast Iron Body and Flashing Collar with Adjustable Strainer Head with Secured Square Hole Grate and Funnel attached to the grate with concealed screws, permitting funnel to be moved to different positions on the grate. Type of Body and Strainer Head as indicated by Figure Number and Strainer Suffix Letter Selected.

SEE PM2789A FOR OPTIONAL STRAINER HEADS

VARIATIONS:

BODY:

- L Speedi-Set Service Weight (Fig. 3510 only)
- LXH Speedi-Set Extra Heavy (Fig. 3510 only)
- Trap Primer Connection -P05 (1/2") -P075 (3/4")

STRAINER HEAD:

- Backwater Valve -V
- Ball Float Backwater Valve -BFV
- Sediment Bucket -B
- Vandal Proof Grate -U
- 6" (150) Dia. Funnel (Fig. 3581)
- 6(160) x 2 1/2(64) x 1"(25) High Oval Funnel (Fig. 3590)

OPTIONAL MATERIALS:

- Cast Bronze Body -BB
- Chrome Plated Strainer -CP (See Strainers)
- Galvanized Body -G
- Nickel Bronze Strainer -NB (See Strainers)
- Polished Bronze Strainer -PB (See Strainers)

NOTES: All strainer shanks have 3 3/4" (95) -12 Thd. Collar not reversible in 4" (100) size.

* Deduct 1/2" (13) when collar is inverted. sAdd 1/4" (6) for 8" (205) strainer

E	4-17-96	Added TPC	CMD	CL
D	6-28-95	Added Millimeters	EMB	CL
C	7-21-94	Submitted Update	EMB	BS
B	3-2-92	Rev Table	EMB	BS
A	5-27-86	Rev Reg Furn		CR
REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET
---------------	-------------------

FIGURE NUMBER
3510, 3515

DRAWING NUMBER
S3510

SIZE
A

SCALE:
NONE

DATE:
9-19-85

APPROVED BY:
SJM

CHECKED BY:
JD

DRAWN BY:
CM

3510, 3515

FIGURE NUMBER

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

D



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 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



LOCATION

DRAWING NUMBER
PM2789 Pg 1 of 2

SIZE
A

SCALE:
NONE

DATE:
9-19-85

APPROVED BY:
SJM

CHECKED BY:
J.D.

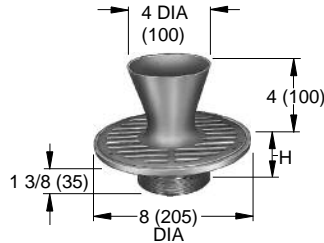
DRAWN BY:
PJ

**3510 SERIES
 OPTIONAL
 STRAINER HEADS**

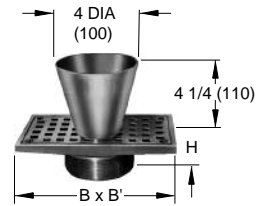
FIGURE
 NUMBER

OPTIONAL ADJUSTABLE STRAINER HEADS

ROUND TOP
 ROUND INTEGRAL FUNNEL
 (SUFFIX -F10)



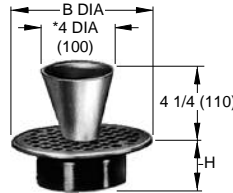
RECTANGULAR TOP
 ROUND FUNNEL
 (Suffix -F13, -F14, -F15,
 -F16, -F17 & -F18)



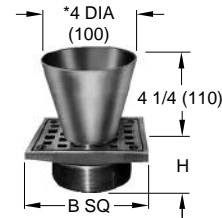
*SUFFIX	-F10	-F13	-F14	-F15	-F16	-F17	-F18
B X B'	-	4 1/4 (110) x 8 (205)	4 (100) x 12 (305)	5 (125) x 9 (230)	5 (125) x 13 (330)	5 (125) x 17 (430)	6 (150) x 10 (255)
H	2 3/8 (60)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	3 (76)	2 1/4 (57)
X	MIN	1 1/2 (38)	1 3/8 (35)	1 7/8 (48)	1 3/8 (35)	2 1/8 (54)	2 1/4 (57)
	MAX	2 1/2 (64)	2 1/4 (57)	2 3/4 (70)	2 3/8 (60)	3 (76)	3 1/8 (79)

*Specify Size, Type & Finish. eg: -F10-08CP

ROUND TOP
 ROUND FUNNEL
 (SUFFIX -F11)



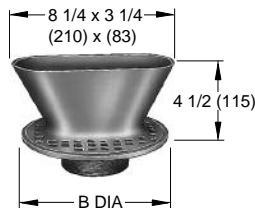
SQUARE TOP
 ROUND FUNNEL
 (SUFFIX -F12)



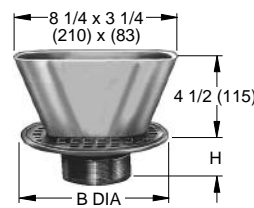
*SUFFIX	-F11 & -F12						
B DIA or SQ	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)	
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)	
X	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/8 (60)

*Specify Size, Type & Finish. eg: -F11-06CP

ROUND TOP
 OVAL INTEGRAL FUNNEL
 (SUFFIX -F19)



ROUND TOP
 OVAL FUNNEL
 (Suffix -F20, -F21,
 -F22, -F23 & -F24)



*SUFFIX	-F19	-F20	-F21	-F22	-F23	-F24
B DIA	08 (205)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 1/2 (64)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
X	MIN	1 1/2 (38)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)
	MAX	2 1/2 (64)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)

*Specify Size, Type & Finish. eg: -F19CP

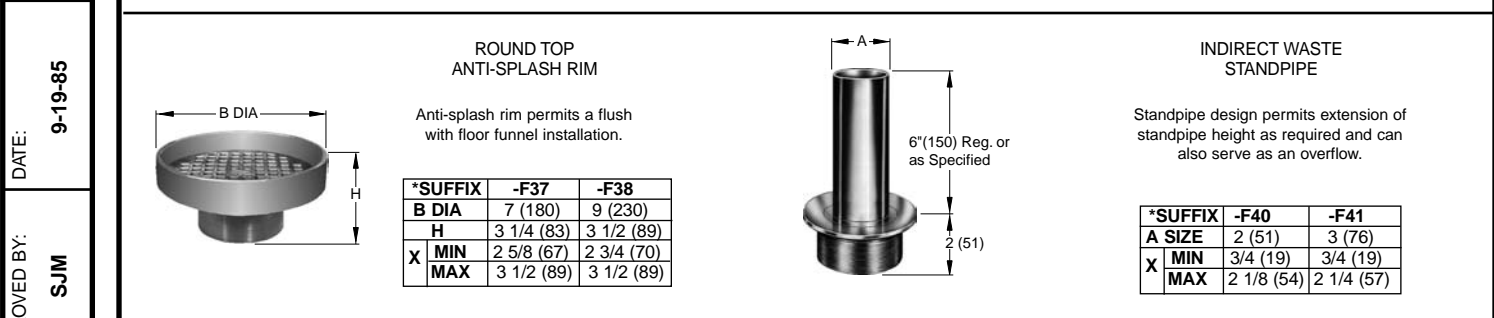
REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
D	7-31-08	Revised Dim	TBW	CL			3510 SERIES OPTIONAL STRAINER HEADS
C	11-2-95	Revised	EMB	BS			
B	7-27-95	Added Millimeters & Made 2 Pgs	EMB	BS			

OPTIONAL ADJUSTABLE STRAINER HEADS

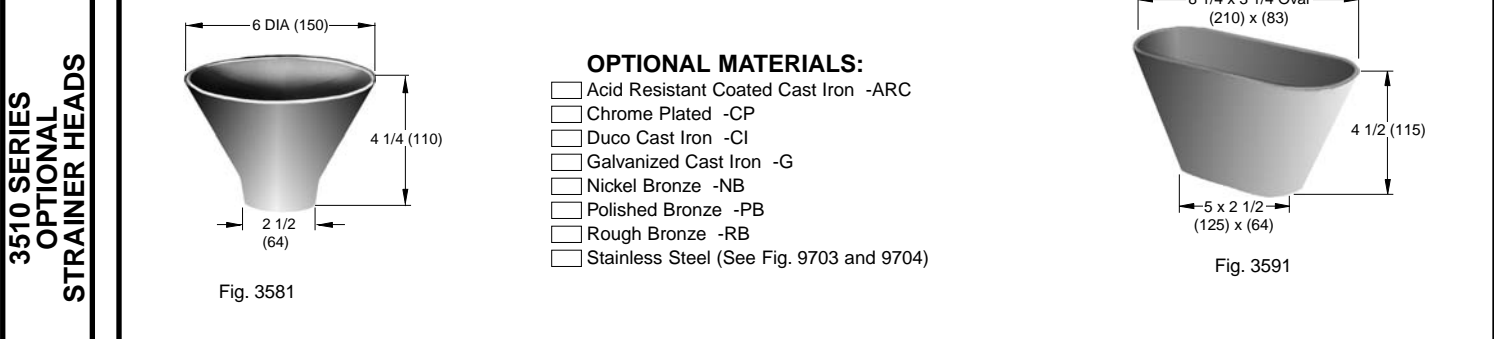
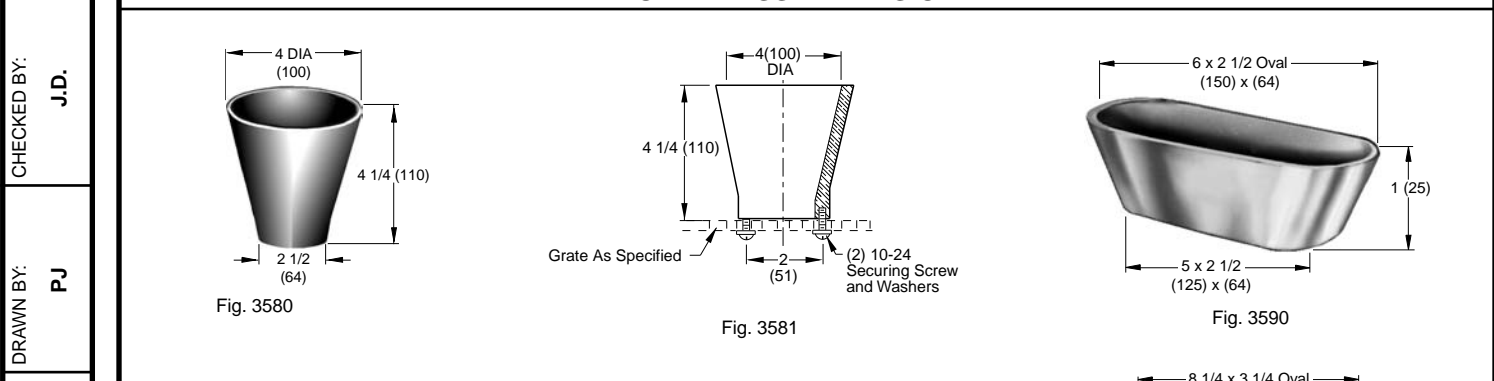


*SUFFIX	-F25	-F26	-F27	-F28	-F29
B SQ	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
X	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)
	MAX	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)

*SUFFIX	-F30	-F31	-F32	-F33	-F34	-F35
B x B'	4 1/4 X 8 (110) X (205)	4 x 12 (100) x (305)	5 x 9 (125) x (230)	5 x 13 (125) x (330)	6 x 10 (150) x (255)	5 x 17 (125) x (430)
H	2 1/2 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)
X	MIN	1 3/8 (35)	1 7/8 (48)	1 3/8 (35)	2 1/8 (54)	2 1/4 (57)
	MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)



*Specify Size, Type & Finish. eg: -F40NB or -F41CP
FUNNEL ASSEMBLIES ONLY



REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
C	7-31-08	Revised Dim & Table	TBW	CL			3510 SERIES OPTIONAL STRAINER HEADS
B	7-27-95	Added MM's & Made 2 Pgs	EMB	BS			
A	1-30-95	Submittal Update	CMB	BS			

3510 SERIES OPTIONAL STRAINER HEADS

DRAWING NUMBER: **PM2789 Pg 2 of 2**

SCALE: **NONE**

DATE: **9-19-85**

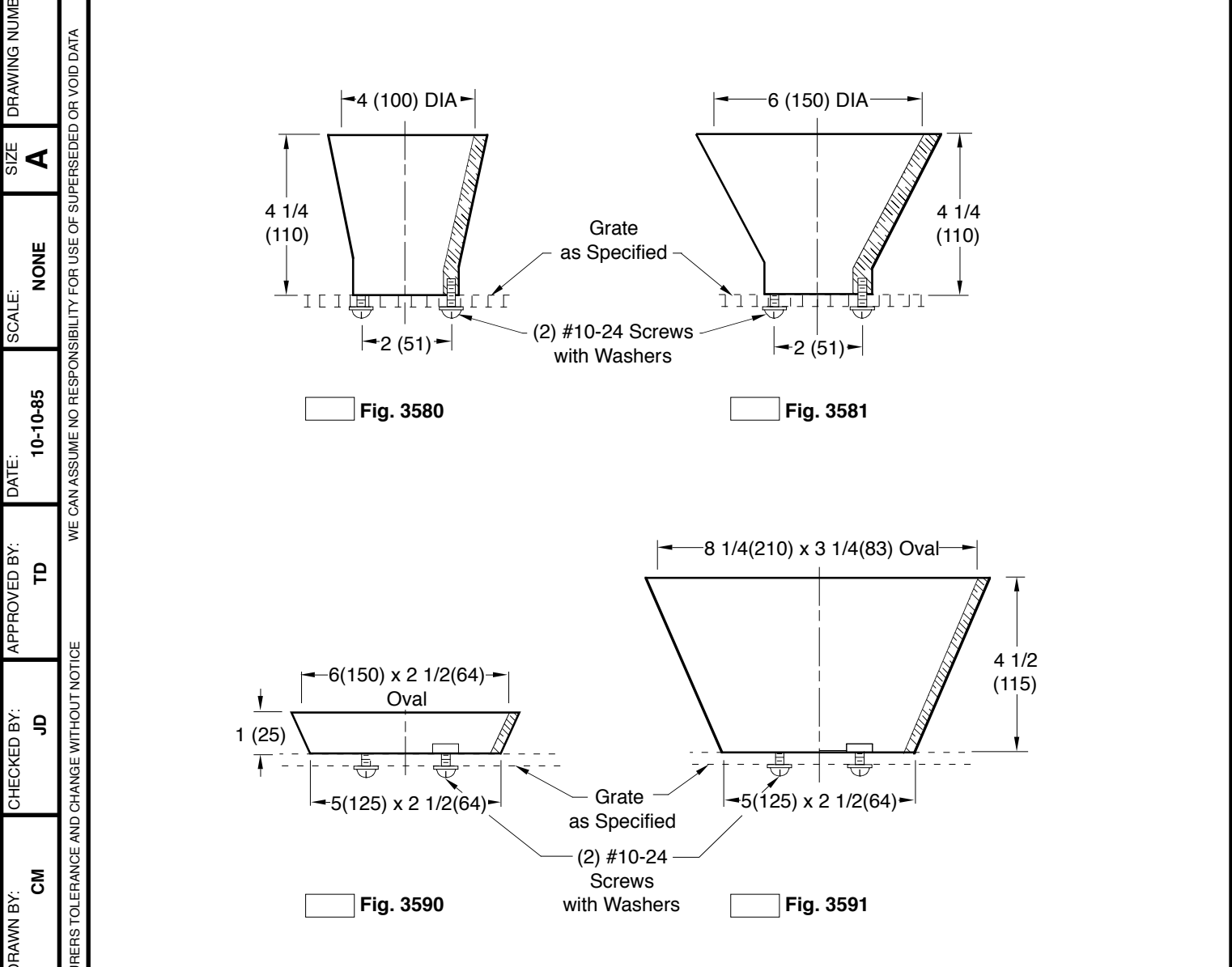
APPROVED BY: **SJM**

CHECKED BY: **J.D.**

DRAWN BY: **PJ**

FIGURE NUMBER

FUNNEL ASSEMBLIES



- OPTIONAL MATERIALS:**
- A.R.C. Cast Iron -ARC
 - Chrome Plate -CP
 - Duco Cast Iron -CI
 - Galvanized Cast Iron -G
 - Nickel Bronze -NB
 - Polished Bronze -PB
 - Rough Bronze -RB
 - Stainless Steel (See Fig 9703 and 9704)
- NOTE:** Dimensions shown in parentheses are in millimeters.

FIGURE NUMBER	3580, 3581 3590, 3591	C B A	6-28-95 7-22-94 4-19-91	Added Millimeters Submittal Update Redrawn	EMB EMB EMB	CL BW BW	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 3580, 3581 3590, 3591
REV.	DATE	DESCRIPTION			BY	CKD. BY			

DRAWING NUMBER S3580
SIZE A
SCALE: NONE
DATE: 10-10-85
APPROVED BY: TD
CHECKED BY: JD
DRAWN BY: CM
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE
WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

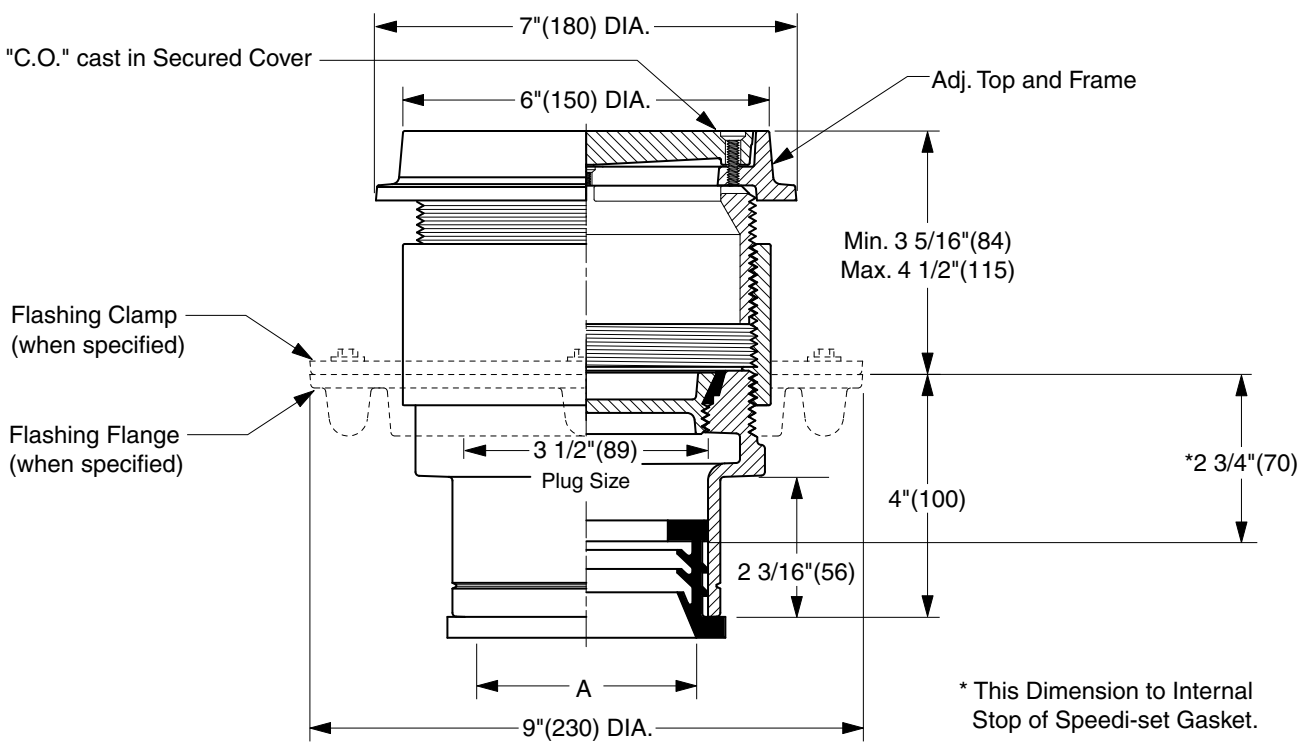
FLOOR CLEANOUTS WITH "TWIS-TO-FLOOR®" ADJUSTABLE TOPS FOR UNFINISHED AREAS

ROUND EXTRA HEAVY DUTY CAST IRON TOP

FUNCTION: Used in hospitals, schools, institutional and industrial buildings where floors are subject to heavy load traffic.

DRAWING NUMBER S4231
SIZE A
SCALE: NONE
DATE: 2-16-70
APPROVED BY: JM
CHECKED BY: BH
DRAWN BY: RK
FIGURE NUMBER 4231 SERIES

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



TWIS-TO-FLOOR® ADJUSTMENT

SPEEDI-SET OUTLET ▲

"A" (Pipe Size) = 02(50), 03(75) or 04(100)

- | | |
|--|---|
| <input type="checkbox"/> Fig. 4231L.....Gasket Seal - ABS Plug | (Twis-to-Floor® design shown with gasketed plug.) |
| <input type="checkbox"/> Fig. 4232L.....Gasket Seal - Bronze Plug | |
| <input type="checkbox"/> Fig. 4233L.....Taper Thread - Bronze Plug | |
| <input type="checkbox"/> Fig. 4234L.....Taper Thread - ABS Plug | |

NOTE: Dimensions shown in parentheses are in millimeters.

REGULARLY FURNISHED:

Duco Cast Iron Cleanout with Round Adjustable Scoriated Secured Cast Iron Top. Closure Plug Type as Indicated By Figure Number Selected.

VARIATIONS:

- Flashing Flange -F
- Flange with Flashing Clamp -F-C
- Vandal Proof Top -U

▲ Available in Extra Heavy, Service Weight or NO-HUB.

OPTIONAL MATERIALS:

- Galvanized Cast Iron -G
- Ductile Iron Cover -M

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 4231 SERIES
N	12/17/04	Added Width Dimension at Top	JJ	CL			
M	07/29/02	Corrected Clamp & Flange view	JJ	CL			
L	04/12/01	Added dimension and note	JJ	CL			
K	10/27/00	New design	JJ	BS			



JAY R. SMITH MFG. CO.
 DIVISION OF SMITH INDUSTRIES, INC.
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



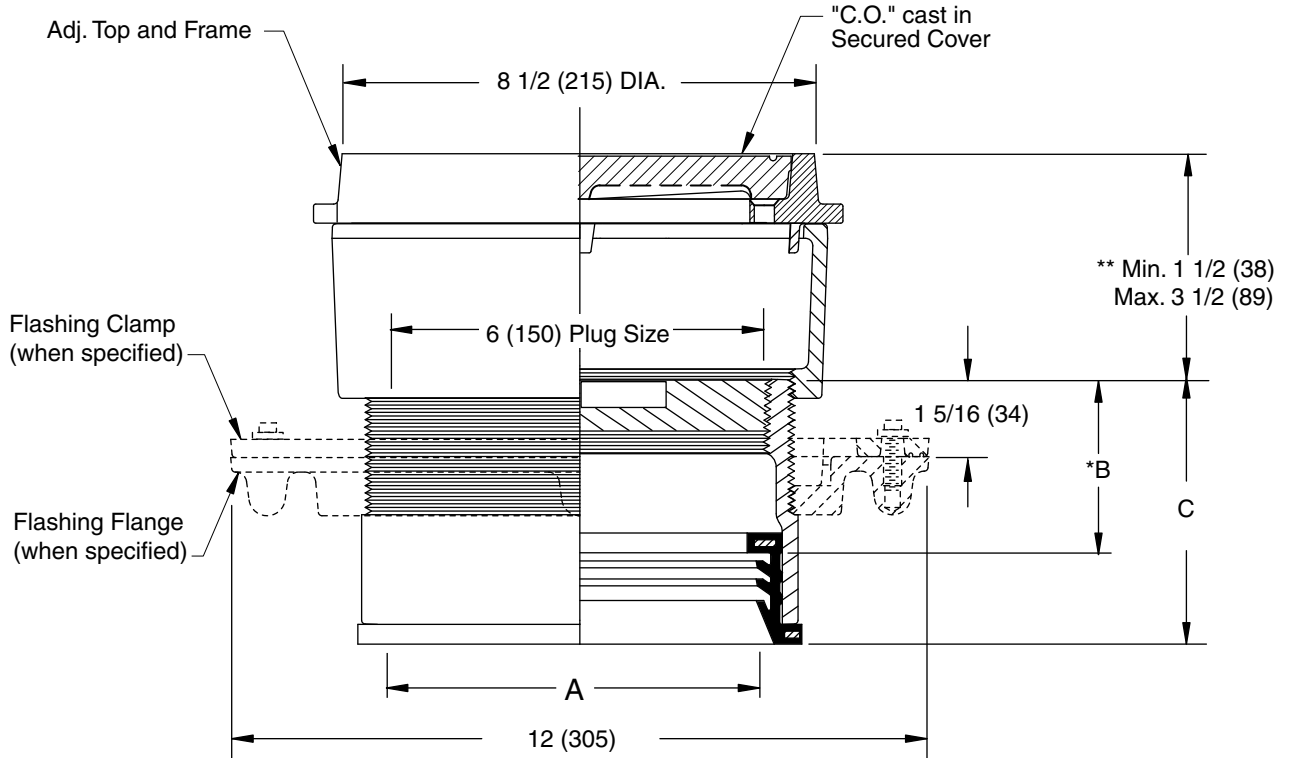
MEMBER OF:

LOCATION

FLOOR CLEANOUTS WITH "TWIS-TO-FLOOR®" ADJUSTABLE TOPS FOR UNFINISHED AREAS

ROUND EXTRA HEAVY DUTY CAST IRON TOP

FUNCTION: Used in floors and areas where appearance of Cast Iron is satisfactory. Will withstand heavy load traffic.



SPEEDI-SET OUTLET ▲

"A" (Pipe Size) = 06(150) & 08(200)

A SIZE	B	C
06(150)	*3(76)	4 9/16(117)
08(200)	*3 1/4(83)	4 13/16(121)

▲ Available in "L" Service Weight, "LXH" Extra Heavy or "LPVC" PVC or ABS. "LPVC" applicable to 06(150) Pipe Size only.

* This Dimension to Internal Stop of Speedi-Set Gasket.

** When Flange-F is specified Min. 1 1/2 (38) becomes 2 (51)

"TWIS-TO-FLOOR®" ADJUSTMENT

SPEEDI-SET OUTLET ▲

Fig. 4233L.....Taper Thread - Bronze Plug

REGULARLY FURNISHED:

Duco Cast Iron Cleanout with Taper Thread Bronze Plug and Round Adjustable Scoriated Secured Cast Iron Top.

VARIATIONS:

- Flashing Flange -F
- Flange with Flashing Clamp -F-C
- Vandal Proof Top -U

OPTIONAL MATERIALS:

- Galvanized Cast Iron -G
- Ductile Iron Cover-M

NOTE: Dimensions shown in parentheses are in millimeters.

DRAWING NUMBER
S4231BS

SIZE
A

SCALE:
NONE

DATE:
5-5-06

APPROVED BY:
CEL

CHECKED BY:
CL

DRAWN BY:
RN

FIGURE NUMBER
4233

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

FIGURE NUMBER 4233

WATER HAMMER ARRESTERS, HYDRANTS AND ACCESSORIES

500 Series

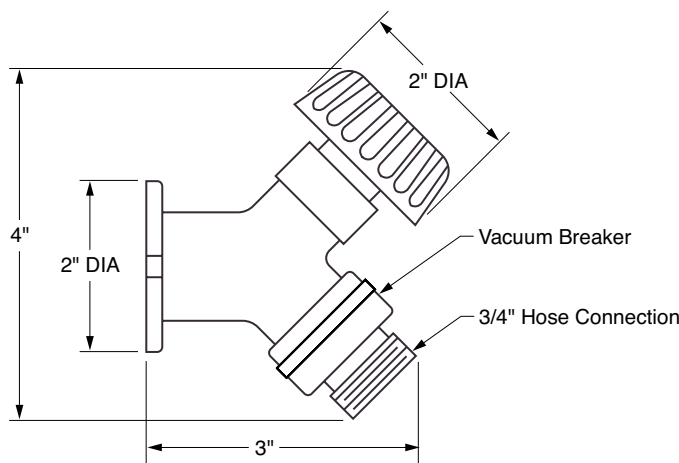
TAG _____

Mild Climate, Anti-Siphon Sillcock, Series 560

Product Description: Exposed anti-siphon wall faucet for mild climate installations. Complete with external vacuum breaker, rough brass or chrome finish, black handle, brass casing, bronze interior parts, and 3/4" male hose connection. Loose key provided with each sillcock.

Features and Benefits:

- Used in mild climate areas on homes, service stations, churches, motels, and fast food restaurants and in garden, lawn, and other water systems
- A vacuum breaker, backflow protected wall sillcock
- Vacuum breaker listed by the American Society of Sanitary Engineers to ASSE Standard 1011 and IAPMO Listed, File No. 3770
- Loose key furnished with each sillcock



Series 560

Series Number	Inlet Connection	Finish
560-10	1/2" NPT Female Thread	Rough Brass
560-11	3/4" NPT Female Thread	Rough Brass
560-12	1/2" NPT Female Thread	Rough Chrome
560-13	3/4" NPT Female Thread	Rough Chrome

NOTE: Dimensional data is subject to manufacturing tolerances and change without notice.

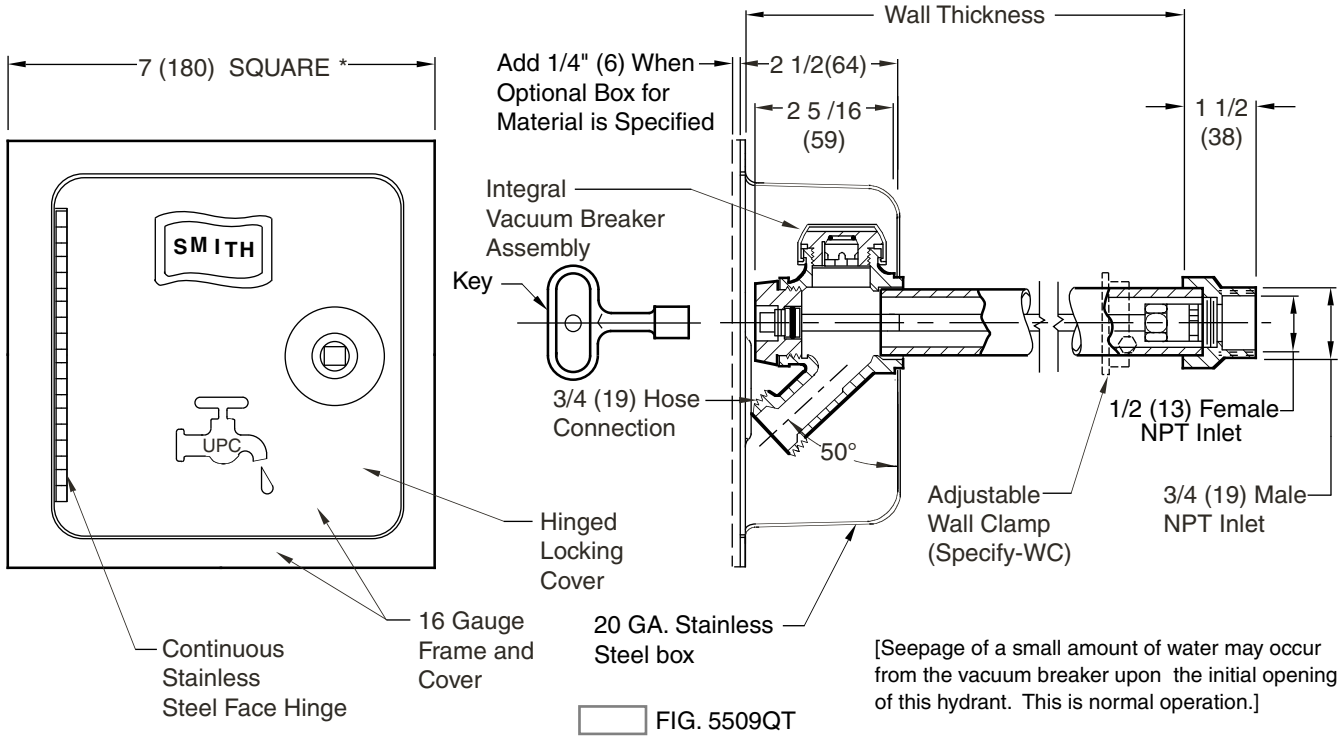


QUARTERHORSE 1/4 TURN NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER AND STAINLESS STEEL BOX

BOX TYPE WITH CONCEALED HOSE CONNECTION

FUNCTION: Provides positive non-freeze protection where water is required at the outside of the building and features an integral vacuum breaker. The stainless steel recessed box conceals the nozzle and operating mechanism. The locking cover prevents unauthorized use.

1/4 Turn of the Key Allows Full Flow to Be Obtained



[Seepage of a small amount of water may occur from the vacuum breaker upon the initial opening of this hydrant. This is normal operation.]

REGULARLY FURNISHED:

Bronze Nickel Plated Quarter Turn Self Draining Non-Freeze Hydrant with Hose Connection, Integral Vacuum Breaker, "T" Handle Key, and Stainless Steel Box with Full 180° Cover Opening.

VARIATIONS:

- Adjustable Wall Clamp -WC
- Cylinder Lock -CL
- 1" (25) Hose Connection -HC1
- 1" (25) Male NPT Inlet Connection -IC1
- "Water" On Cover -W

OPTIONAL MATERIALS:

- Nickel Bronze Box Face -NB
- Polished Bronze Box Face -PB
- Rough Bronze Box Face -RB
- Chrome Plated Face -CP

** Add 3/4" (19) to Overall Length When Specified

- NOTES:**
- *Recommended wall opening 6" (150) x 6" (150). Hydrant shall be in the vertical position only, the connection must be on the bottom.
 - When ordering, specify wall thickness in 2" (51) increments as follows: 06(150), 08(205), 10(255), 12(305), 14(355), 16(405), 18(455), 20(510), 22(560) or 24(610). When wall clamp -WC is desired, increase wall thickness dimension by 2" (51).
 - All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
 - When an Optional Box Face Material is Specified a Concealed Hinge will be Provided, also Add 1/4" (6) to Flange Thickness.
 - The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 - Dimensions shown in parentheses are in millimeters.
 - FOR IRRIGATION PURPOSES ONLY.**

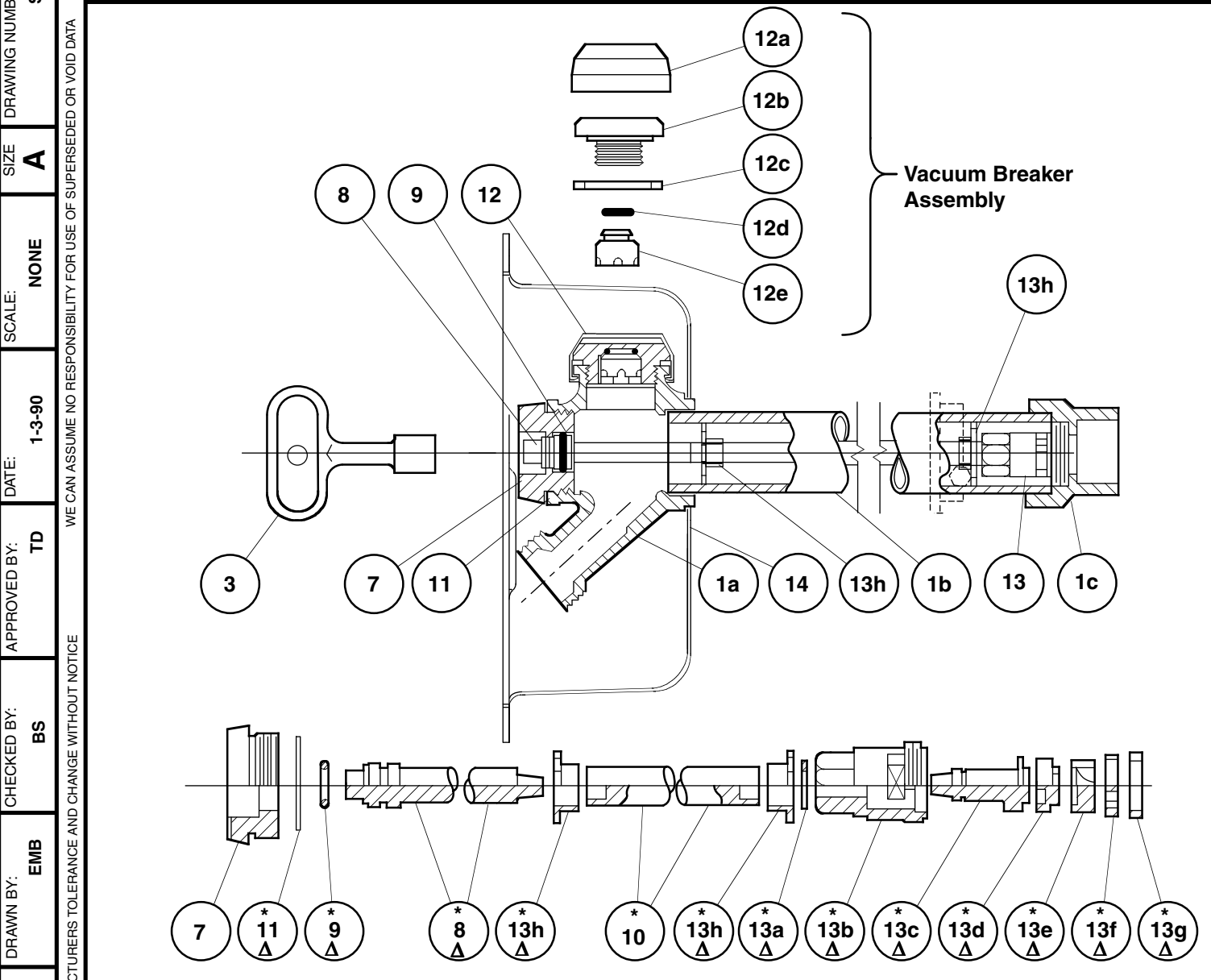
PATENTED

5509QT

FIGURE NUMBER	S R P N	1-31-13 6-13-11 5-17-11 5-4-10	Revised Notes Revised Note Added Note Rev. Reg. Furn.	TBW TBW TBW TBW	CL CL CL TWK	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 5509QT
REV.	DATE	DESCRIPTION	BY	CKD. BY				

DRAWING NUMBER 55509QT
 SIZE A
 SCALE: NONE
 DATE: 5/23/90
 APPROVED BY: T.D.
 CHECKED BY: J.McD.
 DRAWN BY: JLO
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE
 WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

HYDRANT PARTS LIST



DRAWING NUMBER: S5509QTBS
 SIZE: A
 SCALE: NONE
 DATE: 1-3-90
 APPROVED BY: TD
 CHECKED BY: BS
 DRAWN BY: EMB

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

FIGURE NUMBER: 5509QT-BS

Δ These Replacement Parts Available in HPRK-7

* All Parts Accessible from Face of Hydrant by Removing Face Nut.

HYDRANT PARTS LIST					
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Head/Casing Assembly	10	Operator Rod	13a	Retaining Ring
1a	Head	11	Face Nut Washer	13b	Valve Body
1b	Casing	12	Vacuum Breaker Assembly	13c	Valve Actuator
1c	Valve Housing	12a	VB Cap	13d	Nylon Thrust Washer
3	Key	12b	VB Body	13e	Rotating Ceramic Disc
7	Face Nut	12c	VB Washer	13f	Fixed Ceramic Disc
8	Actuator Shaft	12d	VB "O" Ring	13g	Silicon Rubber Seal
9	Actuator "O" Ring	12e	VB Piston	13h	Retainer Guide (2)
		13	Valve Body Assembly	14	Box Assembly S.S.

F	5-21-92	Changed Repair Pts. Update Figure Number Rev Dwg Added HPRK-7VB Note	TWK	JCS	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 5509QT
E	10-25-91		TWK	JCS			
D	12-90		EMB	JCS			
C	12-21-90		CMB	JCS			
REV.	DATE	DESCRIPTION	BY	CKD. BY			



FLOOR DRAINS FOR TILED FLOORINGS

COMFORT TAKES PRIDE OF PLACE IN YOUR SHOWER ROOM...

The SICA floor drain is the ideal product for walk-in shower installations: for INDIVIDUAL SHOWERS/HOTELS/SPAS/COMMUNAL SHOWERS.













- Floor drains specifically designed for installation on tiled floors
- NF-Me reaction to fire classification for the PVC floor drains
- Guaranteed seal thanks to its flange + moulded sealing membrane system for easy installation
- Multipurpose floor drains (\varnothing 50 mm horizontal or \varnothing 50/63 mm vertical drain outlets)
- PVC, and 304 stainless steel or Type 316 stainless steel grating available in 10 x 10 cm and 15 x 15 cm sizes (optional lockable grating)
- Quick, safe installation
- Easy to clean
- Flow rates: \varnothing 50 mm = 1,20 l/s in vertical outlet 15x15 cm gratings
- Flow rates: \varnothing 50 mm = 1,10 l/s in vertical outlet 10x10 cm gratings
- Flow rates: \varnothing 50 mm = 0,8 l/s in horizontal outlet.

Gratings	Load class
10 x 10 cm stainless steel	H 1,5
15 x 15 cm stainless steel	K 3
10 x 10 cm PVC	K 3
15 x 15 cm PVC	K 3

FLOOR DRAINS AND SHOWER CHANNELS

Floor drains for tiled flooring **DOCIA[®] SYSTEMS**

	DESCRIPTION	REF.	Packing	Packaging
FLOOR DRAINS FOR TILED FLOORING WITH 304 STAINLESS STEEL GRATINGS				
  <p style="text-align: center;">SICA10IH</p>  <p style="text-align: center;">SICA10V</p>	50 mm water seal - PVC body - stainless steel frame - height adjustable			
	Floor drains for tiled floorings with stainless steel grating Ø 50 mm HORIZONTAL OUTLET			
	Floor drain with 10 x 10 cm stainless steel grating - flow rate 0,8 l/s	SICA10IH	B1	
	Floor drain with lockable 10 x 10 cm stainless steel grating	SICA10VH	B1	
	Floor drain with 15 x 15 cm stainless steel grating - flow rate 0,8 l/s	SICA15IH	B1	
	Floor drain with lockable 15 x 15 cm stainless steel grating	SICA15VH	B1	
	Floor drains for tiled floorings with stainless steel grating Ø 50/63 mm VERTICAL OUTLET			
	Floor drain with 10 x 10 cm stainless steel grating - flow rate 1,1 l/s	SICA10IV	B1	
	Floor drain with lockable 10 x 10 cm stainless steel grating	SICA10VV	B1	
	Floor drain with 15 x 15 cm stainless steel grating - flow rate 1,2 l/s	SICA15IV	B1	
Floor drain with lockable 15 x 15 cm stainless steel grating	SICA15VV	B1		
FLOOR DRAINS FOR TILED FLOORING WHITE PVC GRATING 				
  <p style="text-align: center;">SICA10H</p>  <p style="text-align: center;">SICA10V</p>	50 mm water seal - PVC body - adjustable height			
	Floor drains for tiled flooring with white PVC grating Ø 50 mm HORIZONTAL OUTLET			
	Floor drain with 10 x 10 cm PVC grating - flow rate 0,8 l/s	SICA10H	B1	
	Floor drain with 15 x 15 cm PVC grating - flow rate 0,8 l/s	SICA15H	B1	
	Floor drain with 15 x 15 cm PVC grating and 20 x 20 cm plate flow rate 0,8 l/s	SICA215H	B1	
	Floor drains for tiled flooring with white PVC grating Ø 50/63 mm VERTICAL OUTLET			
	Floor drain with 10 x 10 cm PVC grating - flow rate 1,1 l/s	SICA10V	B1	
	Floor drain with 15 x 15 cm PVC grating - flow rate 1,2 l/s	SICA15V	B1	
	Floor drain with 15 x 15 cm PVC grating and 20 x 20 cm plate flow rate 1,2 l/s	SICA215V	B1	
	FLOOR DRAINS FOR TILED FLOOR TYPE 316 STAINLESS STEEL GRATING			
  <p style="text-align: center;">SICA10I316H</p>  <p style="text-align: center;">SICA10I316V</p>	50 mm water seal - PVC body - type 316 stainless steel frame - adjustable height			
	Floor drains for tiled floors with type 316 stainless steel grating Ø 50 mm HORIZONTAL OUTLET			
	Floor drain with 10 x 10 cm type 316 stainless steel grating flow rate 0,8 l/s	SICA10I316H	B1	
	Floor drain with 15 x 15 cm type 316 stainless steel grating flow rate 0,8 l/s	SICA15I316H	B1	
	Floor drains for tiled floors with type 316 stainless steel grating Ø 50/63 mm VERTICAL OUTLET			
	Floor drain with 10 x 10 cm type 316 stainless steel grating flow rate 1,1 l/s	SICA10I316V	B1	
	Floor drain with 15 x 15 cm type 316 stainless steel grating flow rate 1,2 l/s	SICA15I316V	B1	

SANITARY

SANITARY

GLUE

RAINGUTTERS

ROOFING ACCESSORIES

FASCIA AND ROOFING SOFFIT BOARDS

BUILDING

ACCES TRAP DOOR

VENTILATION

SURFACE DRAINAGE PRODUCTS

HYDRAULIC DRAINAGE CHANNELS

ENVIRONMENT

HYDRAULIC DRAINAGE CHANNELS

SAUL



LOCATION

SPECIAL FLOOR DRAIN

Free Area
 11 1/2 SQ IN
 (74 SQ CM)

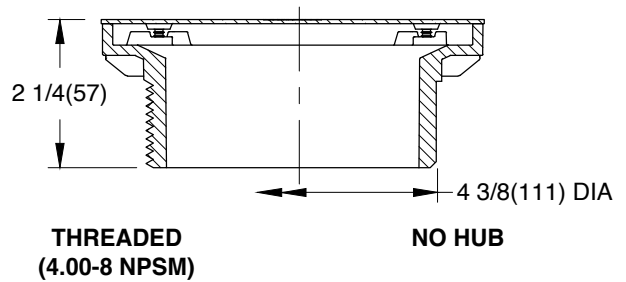
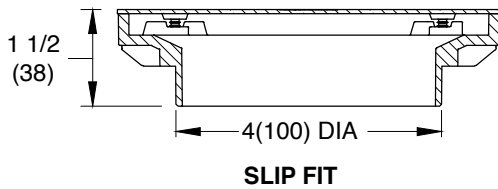
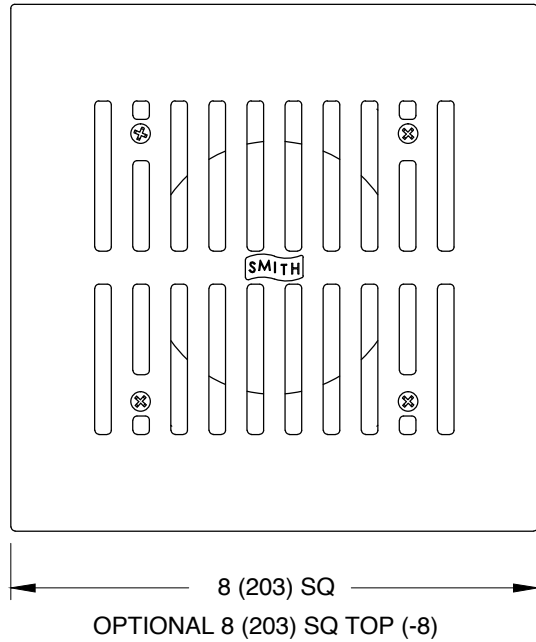
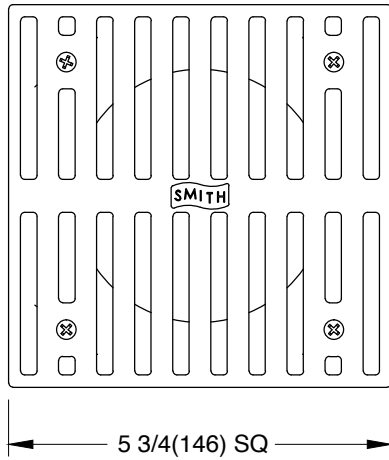


Fig. SQ-2-4703SSLIP OUTLET

Fig. SQ-2-4703TTHREADED OUTLET
 Fig. SQ-2-4703YNO-HUB OUTLET

REGULARLY FURNISHED:
 Stainless Steel Square Slotted Grate
 with High Polish Finish and ABS Plastic
 Strainer Body with Outlet Type as
 Selected.

VARIATIONS:
 Vandal Proof -U
 8(203) Square Top -8

OPTIONAL MATERIALS:
 Polished Bronze Grate -PB

DRAWING NUMBER
SQ-2-4703

SIZE
A

SCALE:
NONE

DATE:
8-2-13

APPROVED BY:
CL

CHECKED BY:
CL

DRAWN BY:
TBW

SQ-2-4703

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT
 POUNDS

VOLUME
 CUBIC FEET

FIGURE NUMBER
SQ-2-4703



JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



MEMBER OF:

LOCATION

SPECIAL FLOOR DRAIN

DRAWING NUMBER
SQ-2-4704

SIZE
A

SCALE:
NONE

DATE:
8-2-13

APPROVED BY:
CL

CHECKED BY:
CL

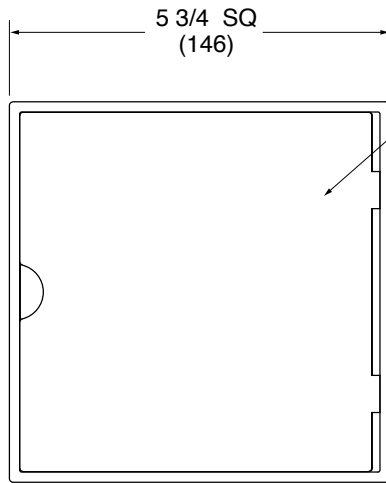
DRAWN BY:
TBW

SQ-2-4704

FIGURE NUMBER

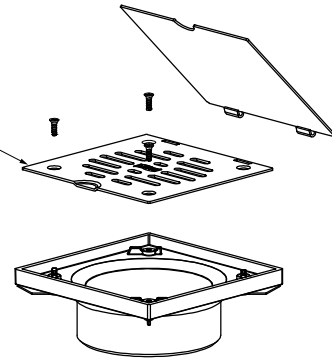
WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



Hinged Cover

Undergrate



FREE AREA
4 SQ IN
(25.8 SQ CM)

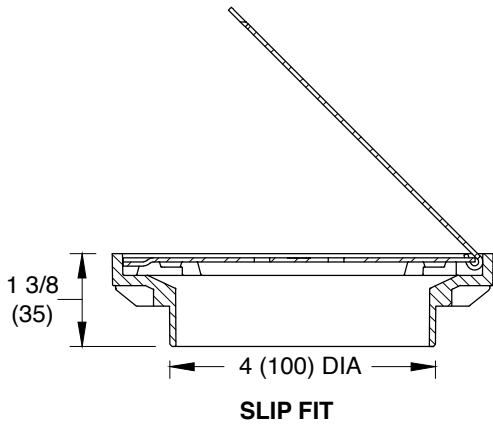
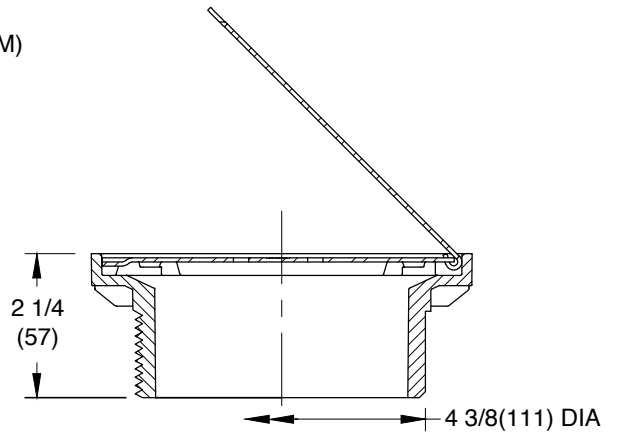


Fig. SQ-2-4704S SLIP OUTLET



THREADED
(4.00-8 NPSM)

NO HUB

Fig. SQ-2-4704T THREADED OUTLET
 Fig. SQ-2-4704Y NO-HUB OUTLET

REGULARLY FURNISHED:
 Stainless Steel Square Solid Hinged
 Cover with High Polish Finish, Slotted
 Undergrate Grate and ABS Plastic
 Strainer Body with Outlet Type as
 Selected.

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT
POUNDS

VOLUME
CUBIC FEET

FIGURE NUMBER
SQ-2-4704