

## FLOOR OR SHOWER DRAINS WITH ADJUSTABLE STRAINER HEADS

Load Rating: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard.  
For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.

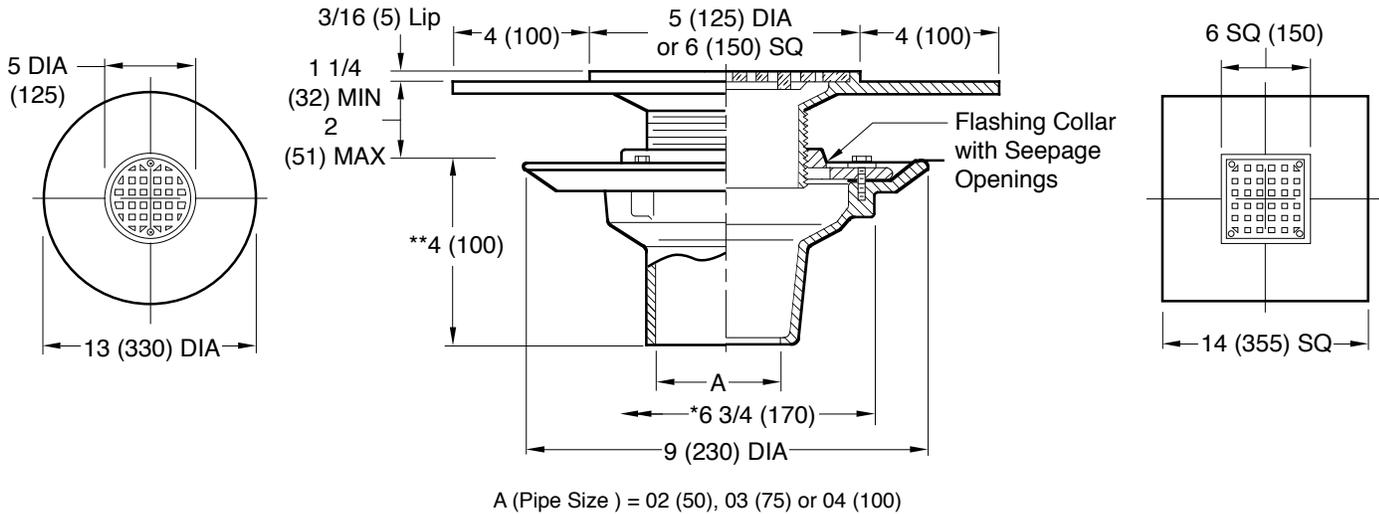


Fig. DX 2005Y ..... (A) ROUND TOP ..... NO-HUB ..... SQUARE TOP (B) ..... FIG. DX 2005Y  
 Fig. DX 2010C ..... (A) ROUND TOP ..... CAULK ..... SQUARE TOP (B) ..... FIG. DX 2010C

**NOTE:** When installing in an above grade floor, a waterproofing membrane is to be ran up to and over the drain body flange and clamped with reversible flashing collar. Membrane covering the center of drain body is to be trimmed to ensure flow through the drain is not blocked or obstructed.  
 \* Min 6 3/4 (170) hole required for core drilled application.  
 \*\* 3 (76) when threaded outlet is specified.

**REGULARLY FURNISHED:**  
 Duco Cast Iron Body with Flashing Collar and Adjustable Strainer as Indicated by Suffix Letter Selected with 4"(100) Wide Flange and Secondary Flashing Flange.

- VARIATIONS:**
- L Speedi-Set® Service Weight (Fig. DX2005 only)
  - LXH Speedi-Set® Extra Heavy (Fig. DX2005 only)
  - Securing Holes -SH
  - Sediment Bucket -B
  - Vandal Proof Screws -U
  - T Threaded Outlet
  - Quad Close Trap Seal (Specify Fig. 2692)
  - Trap Primer Conn. - P050 1/2(13), -P075 3/4(19)

- OPTIONAL MATERIALS:**
- Galvanized Cast Iron Body -G
  - Nickel Bronze Strainer -NB
  - Polished Bronze Strainer -PB
  - Stainless Steel Strainers -SS [Available in 05(125) & 06(150) sizes only]

**NOTE:** Dimensions shown in parentheses are in millimeters.

DRAWING NUMBER: SDX2005  
 SIZE: A  
 SCALE: NONE  
 DATE: 5-17-85  
 APPROVED BY: TD  
 CHECKED BY: TD  
 DRAWN BY: PJ  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

FIGURE NUMBER	T S R Q	3-13-23 5-3-22 9-12-19 8-26-19	Added ® to Speedi-Set Added option to variations Rev. Notes, Reg. Furn. & Drawing Revised Note	KK KK MW MW	CL CL CL CL	WEIGHT POUNDS	VOLUME CUBIC FEET	<b>FIGURE NUMBER</b>
REV.	DATE	DESCRIPTION	BY	CKD. BY				<b>DX2005, DX2010</b>



MEMBER OF:

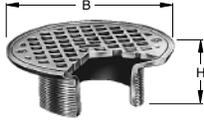
LOCATION

# OPTIONAL STRAINER HEADS

L  
 DRAWING NUMBER PM0457 SH 1 of 2  
 SIZE A  
 NONE  
 SCALE  
 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  
 Stainless Steel  
 Strainers -SS [Available in 05(125) & 06(150) sizes only]

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

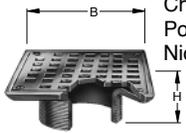
B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)

LIGHT DUTY

**SUFFIX -A**

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

## 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 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 1/4 (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)

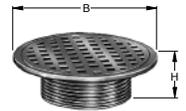
LIGHT DUTY

**SUFFIX -B**

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

## 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)

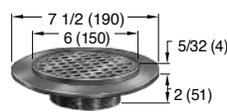
LIGHT DUTY

**SUFFIX -C**

Specify Type, Size & Finish eg: C06NB

## 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

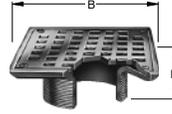
	X
MIN	MAX
1 1/4 (32)	2 1/8 (54)

LIGHT DUTY

**SUFFIX -F**

Specify Type, Size & Finish eg: F06NB

## 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

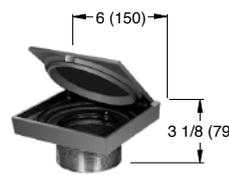
B SQ	05 (125)	06 (150)	07 (180)	08 (205)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

LIGHT DUTY

**SUFFIX -AV**

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

## 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

LIGHT DUTY

**SUFFIX -BS**

Specify Type, Size & Finish eg: BSNB

## REINFORCED TRACTOR STRAINER

**FUNCTION:** Used in finished floors where light 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	
			MIN	MAX
-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)

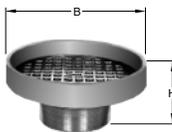
LIGHT DUTY

**SUFFIX -D-E**

Specify Type, Size & Finish eg: D07PB  
 E09PB

## 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)

NON-TRAFFIC

**SUFFIX -F37-F38**

Specify Type, Size & Finish eg: F37NB F38CP

L	10-26-20
K	7-29-19
J	6-18-19
H	11-3-16

Rev. Finish (Tractor Stainer)  
 Added Load Rating(s)  
 Revised DIA to SQ Suf -AV, -B  
 Revised Suffix-A

MW  
 MW  
 TBW  
 TBW

CL  
 JM  
 TK  
 CL

## FIGURE NUMBER

2010 SERIES OPTIONAL STRAINER HEADS

1 of 2

NOTE: Dimensions shown in parentheses are in millimeters.

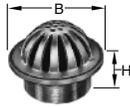


WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

# OPTIONAL STRAINER HEADS

## LOW DOME STRAINER

**FUNCTION:** Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered.



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

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

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)

NON-TRAFFIC

**SUFFIX -G** Specify Type, Size & Finish eg: G08PB

## SOLID HINGED COVER

**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.



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

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -GV)  
 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)
MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

LIGHT DUTY

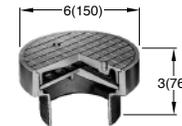
**SUFFIX -H** Specify Type, Size & Finish eg: H05CP

## SPANNER WRENCH COVER

**FUNCTION:** Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required.

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

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -JV)  
 Sediment Bucket -B



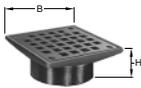
<b>MEDIUM DUTY</b>	
X	
MIN	MAX
2 (51)	3 (76)

**SUFFIX -J** Specify Type, Size & Finish eg: J06NB

## REINFORCED SQUARE STRAINER

**FUNCTION:** Used in finished floors where some light wheeled traffic is anticipated.

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



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

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)
MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

LIGHT DUTY

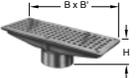
**SUFFIX -K** Specify Type, Size & Finish eg: K07CP

## RECTANGULAR STRAINER

**FUNCTION:** Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.

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

**VARIATIONS:**  
 Sediment Bucket -B  
 Vandal Proof Screws -U



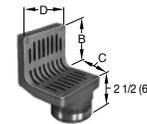
LIGHT DUTY

SUFFIX	L	M	N	P	R	T
B x B'	4 1/2(115)x8(205)	4(100)x12(305)	5(125)x9(230)	5(125)x13(330)	6(150)x10(255)	5(125)x17(430)
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 (48)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)
MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)

**SUFFIX -L-M-N-P-R-T** Specify Type, Size & Finish eg: LNB

## ANGLE STRAINER

**FUNCTION:** Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered.



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

**VARIATIONS:**  
 Vandal Proof Screws -U

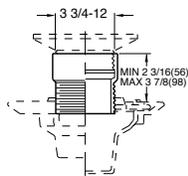
SUFFIX	B	C	D	X	
				MIN	MAX
-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41)	2 5/8 (67)
-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41)	2 5/8 (67)

LIGHT DUTY

**SUFFIX -V -W** Specify Type, Size & Finish eg: VPB, WNB

## EXTENSION ADAPTOR

**FUNCTION:** Used when a strainer head must be raised to accommodate deeper floor fill.



**REGULARLY FURNISHED:**  
 Duco Cast Iron -CI

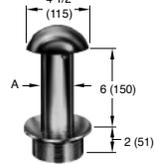
**MATERIALS:**  
 Cast Bronze -CB  
 Galvanized Cast Iron -G

**NOTE:** Extension can be stacked for increased maximum adjustment.

**SUFFIX -X**

## OVERFLOW WITH STANDPIPE

**FUNCTION:** Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line.



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

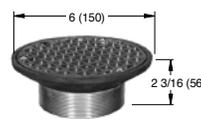
**VARIATIONS:**  
 Less Dome -LD  
 Standpipe Height other than 6" (150) (Specify Height)

SUFFIX	A	X	
	SIZE	MIN	MAX
-Y	2 (51)	3/4 (19)	2 1/8 (54)
-Z	3 (76)	3/4 (19)	2 1/8 (54)

**SUFFIX -Y-Z** Specify Type, Size & Finish eg: YCP, ZCP

## HEAVY DUTY ADJUSTABLE

**FUNCTION:** Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.

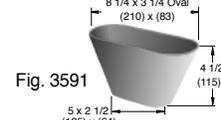
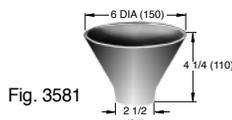


**MATERIALS:**  
 Polished Bronze -PB  
 Rough Bronze -RB  
 Nickel Bronze -NB

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -69V)  
 Sediment Bucket -B  
 Vandal Proof Screws -U

MEDIUM DUTY

**SUFFIX -69** eg: A06NB-69



L	7-29-19	Added Load Rating(s) Rev. Materials Suffix -H, -V-W Rev. Variations of Suffix -J Revised Revised Tables	MW	JM	FIGURE NUMBER 2010 SERIES OPTIONAL STRAINER HEADS 2 of 2
K	10-20-17		TBW	CL	
J	1-17-12		TBW	AM	
H	8-24-99		TBW	BS	
G	6-11-99		CMD		
REV.	DATE	DESCRIPTION	BY	CKD. BY	



DRAWING NUMBER  
PM0457 SH 2 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