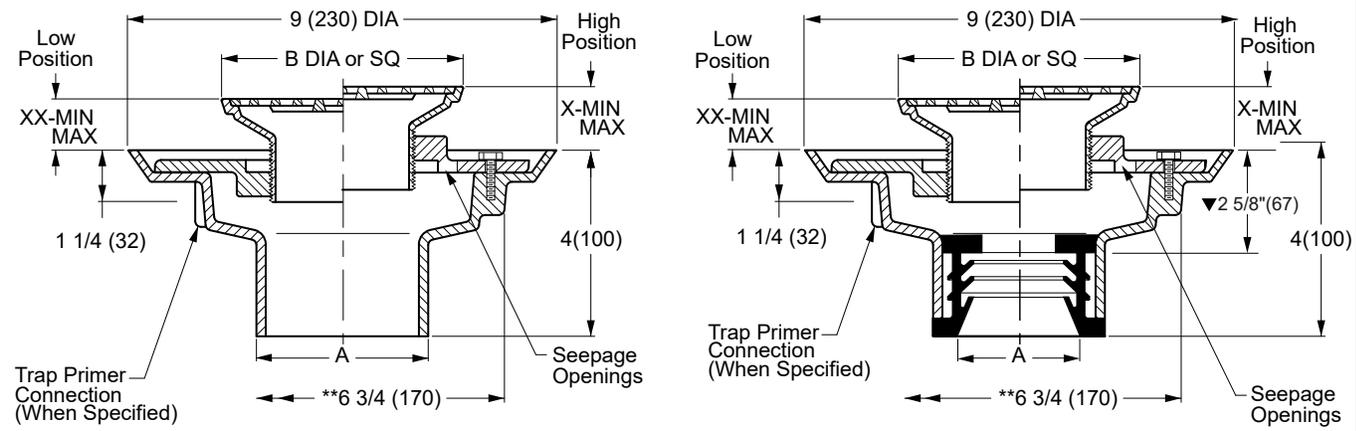


# FLOOR OR SHOWER DRAINS WITH ADJUSTABLE STRAINER HEADS

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.



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	*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 with ADA Grate as Indicated by Suffix Letter Selected.

**VARIATIONS:**

- Flapper Type Backwater Valve -V (NOTE 2)
- Hinged Grate -H (NOTE 1)
- 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 (Specify 2010T)
- 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
- All Stainless Steel (Specify Fig. 9700)
- Stainless Steel Strainers -SS [Available in 05(125) & 06(150) sizes only]

NOTE: Dimensions shown in parentheses are in millimeters.

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

NOTE 1: Sediment Bucket -B not provided for a Hinged Grate (-H)

NOTE 2: Sediment Bucket -B not provided for a Ball Float (-BFV) or a Flapper Type (-V)

SEE PM 0457 FOR OPTIONAL STRAINER HEADS.

DRAWING NUMBER S2005  
 SIZE A  
 SCALE: NONE  
 DATE: 5-17-85  
 APPROVED BY: TD  
 CHECKED BY: TD  
 DRAWN BY: PJ  
 FIGURE NUMBER 2005

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
AA	7-22-24	Revised Drawing	TB	CL			<b>2005</b>
Z	7-22-24	Revised Reg. Furnished	HS	KV			
Y	8-9-23	Removed Function	HS	CL			
X	3-10-23	Added @ to "Speedi-Set"	KK	CL			

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

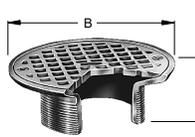
**SMITH® JAY R. SMITH MFG. CO.®**  
MEMBER OF MORRIS GROUP INTERNATIONAL  
POST OFFICE BOX 3237  
MONTGOMERY ALABAMA 36109-0237 (USA)  
TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com



**NOTE 1:** Sediment Bucket -B not provided for a Hinged Grate (-H)  
**NOTE 2:** Sediment Bucket -B not provided for a Ball Float (-BFV) or a Flapper Type (-V)

# OPTIONAL STRAINER HEADS

## 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) (NOTE 1)  
Sediment Bucket -B  
Vandal Proof Screws -U

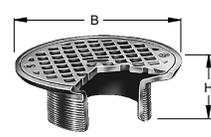
B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)

LIGHT DUTY

Specify Type, Size & Finish eg: A05NB

**SUFFIX -A**

## FLAPPER TYPE BACKWATER VALVE



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

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

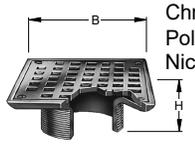
B DIA	05 (125)	06 (150)	07 (180)	08 (205)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

LIGHT DUTY

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 (NOTE 2)  
Hinged Grate (Specify Suffix -BH) (NOTE 1)  
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

Specify Type, Size & Finish eg: B05NB

**SUFFIX -B**

## STRAINER HEAD w/SQUARE HINGED COVER



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

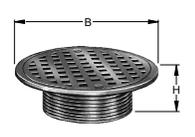
**VARIATIONS:**  
Gasketed Water Tight Cover -GC  
Secured Cover -SC  
Secondary Strainer Grate -SG

LIGHT DUTY

Specify Type, Size & Finish eg: BSNB

**SUFFIX -BS**

## REINFORCED ROUND STRAINER



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

**VARIATIONS:**  
Flapper Type Backwater Valve (Specify Suffix -CV) (NOTE 2)  
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

Specify Type, Size & Finish eg: C06NB

**SUFFIX -C**

## REINFORCED TRACTOR STRAINER



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

**VARIATIONS:**  
Flapper Type Backwater Valve (Specify Suffix -DV or -EV) (NOTE 2)  
Sediment Bucket -B  
Vandal Proof Screws -U

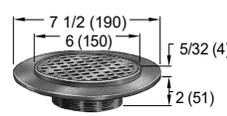
SUFFIX	B DIA	H	X	
			MIN	MAX
-D	07 (180)	3 1/4 (83)	2 5/8 (67)	3 1/2 (89)
-E	09 (230)	3 1/2 (89)	2 3/4 (70)	3 1/2 (89)

LIGHT DUTY

Specify Type, Size & Finish eg: D07PB E09PB

**SUFFIX -D-E**

## TILE FLANGE



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

**VARIATIONS:**  
Flapper Type Backwater Valve (Specify Suffix -FV) (NOTE 2)  
Holes in Flange -SH  
Sediment Bucket -B  
Vandal Proof Screws -U

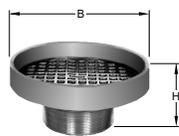
X	
MIN	MAX
1 1/4 (32)	2 1/8 (54)

LIGHT DUTY

Specify Type, Size & Finish eg: F06NB

**SUFFIX -F**

## ADJUSTABLE STRAINER HEAD



**VARIATIONS:**  
Flapper Type Backwater Valve (Specify Suffix -F37V or F38V) (NOTE 2)  
Sediment Bucket -B

**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

Specify Type, Size & Finish eg: F37NB F38CP

**SUFFIX -F37-F38**

P	12-24-24	Rev. Notes	HS	KV	FIGURE NUMBER 2005/2010 SERIES OPTIONAL STRAINER HEADS 1 OF 2
N	5-21-24	Removed Function, Rev. Var.	HS	KV	
M	10-8-21	Added NOTE 1 & 2	KK	JM	
REV.	DATE	DESCRIPTION	BY	CKD. BY	

NOTE: Dimensions shown in parentheses are in millimeters.

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

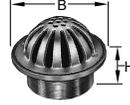
# OPTIONAL STRAINER HEADS

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

**LOW DOME STRAINER**

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

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -GV) (NOTE 2)  
 Sediment Bucket -B  
 Vandal Proof Screws -U



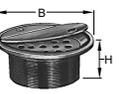
B DIA	05 (125)	06 (150)	08 (205)
H	2 (51)	2 (51)	2 1/2 (64)
MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)
MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

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

**SOLID HINGED COVER**

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

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -GV) (NOTE 2)  
 Vandal Proof Screws -U



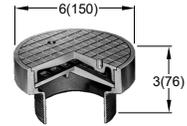
B DIA	05 (125)	06 (150)	07 (180)	08 (205)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

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

**SPANNER WRENCH COVER**

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

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -JV) (NOTE 2)  
 Sediment Bucket -B



**MEDIUM DUTY**

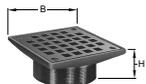
X	MIN	MAX
	2 (51)	3 (76)

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

**REINFORCED SQUARE STRAINER**

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

**VARIATIONS:**  
 Flapper Type Backwater Valve (Specify Suffix -KV) (NOTE 2)  
 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)
X 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**

**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)
X MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)

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

**ANGLE STRAINER**

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

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



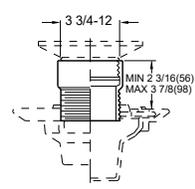
SUFFIX	B	C	D	X	
				MIN	MAX
-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41)	2 5/8 (67)
-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41)	2 5/8 (67)

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

**EXTENSION ADAPTOR**

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

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



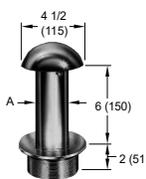
**NOTE:** Extension can be stacked for increased maximum adjustment.

**SUFFIX -X**

**OVERFLOW WITH STANDPIPE**

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

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



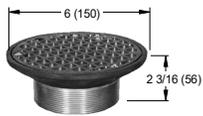
SUFFIX	A	X	
	SIZE	MIN	MAX
-Y	2 (51)	3/4 (19)	2 1/8 (54)
-Z	3 (76)	3/4 (19)	2 1/8 (54)

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

**HEAVY DUTY ADJUSTABLE**

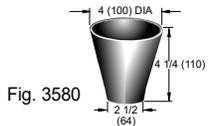
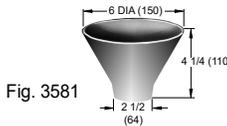
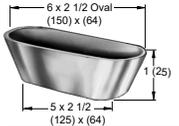
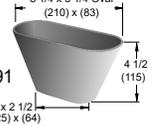
**MATERIALS:**  
 Polished Bronze -PB  
 Rough Bronze -RB  
 Nickel Bronze -NB

**VARIATIONS:**  
 Flapper Type Backwater Valve (NOTE 2)  
 Sediment Bucket -B  
 Vandal Proof Screws -U



**MEDIUM DUTY**

**SUFFIX -69** eg: AV06-69 eg: A06NB-69

REV.	DATE	DESCRIPTION	BY	CKD. BY	FIGURE NUMBER
N	12-24-24	Added Notes	HS	KV	2005/2010 SERIES OPTIONAL STRAINER HEADS 2 of 2
M	5-21-24	Removed Function, Rev. Var.	HS	KV	
L	7-29-19	Added Load Rating(s)	MW	JM	
K	10-20-17	Rev. Materials Suffix -H, -V-W	TBW	CL	

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