

F  
DRAWING NUMBER S1045  
SIZE A  
SCALE: NONE  
DATE: 4-8-86  
APPROVED BY: JMcD  
CHECKED BY: JD  
DRAWN BY: CMB  
1045  
FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA  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

**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

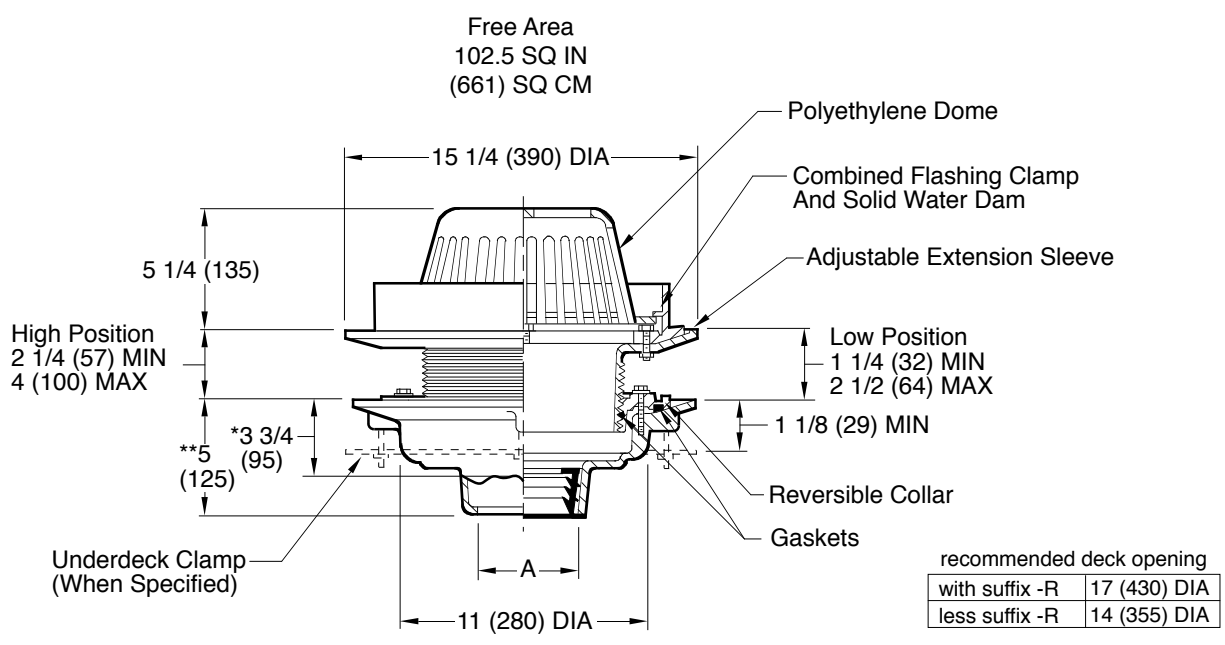


**LOCATION**

# SPECIAL PURPOSE ROOF DRAIN

## WATER DAM TYPE

**FUNCTION:** Used in flat roofs of any construction where a constant height of water is desired on the roof. It may also be used as an emergency overflow for conventional roofs, draining down rain water when the depth of the water on the roof reaches the water dam height.



A (Pipe Size) = 02(50), 03(75), 04(100), 05(125), 06(150) or 08(200)

\* This dimension to internal stop of Speedi-Set Gasket  
\*\*Same for Caulk, NO-HUB and Speedi-Set, 3 3/4(95) for Threaded

Fig. 1045C . . . . CAULK OUTLET  
 Fig. 1045Y . . . . NO-HUB OUTLET

**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.

**REGULARLY FURNISHED:**  
Duco Cast Iron Body with Adjustable Extension Sleeve, Reversible Collar, Combined Flashing Clamp and Water Dam and Polyethylene Dome.

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

- VARIATIONS:**
- 2 1/2(64), 3(76) or 4"(100) Water Dams Available -WD
  - Expansion Joint (Specify Fig. 1710)
  - "L" Shaped Underdeck Clamp -CL
  - L Speedi-Set Service Weight 02(50), 03(75) & 04"(100) sizes only
  - LXH Speedi-Set Extra Heavy 02(50), 03(75) & 04"(100) sizes only
  - Removable Water Dam
  - Secondary Flashing Clamp -C2
  - Sump Receiver -R
  - Underdeck Clamp -C
  - T Threaded Outlet

- OPTIONAL MATERIALS:**
- ▲ Aluminum Dome -AD
  - ▲ Cast Iron Dome -CID
  - Galvanized Cast Iron Body & Collar -G
  - ▲ Galvanized Cast Iron Dome -CIDG
  - ▲ Rough Bronze Dome -RBD

▲ **Optional domes' free area are as follows:**  
Aluminum 98 (632)  
Cast Iron 80 (516)  
Bronze 95 (613)

F	9-17-15	Added Flow Rate Note	TBW	BW	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
E	06/04/09	Added Optional Dome Notes	JJ	CL			
D	6-5-06	Revised Dim.	TBW	AM			<b>1045</b>
REV.	DATE	DESCRIPTION	BY	CKD. BY			