



ROOF DRAINS

Jay R. Smith

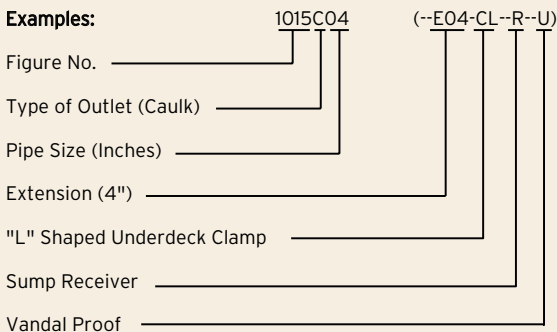
1000 Series Roof Drains

Jay R. Smith offers a complete line of roof drains for all roof types and applications, whether it is for a general purpose, secondary drainage or a custom-made, special application product. All Smith drains have the following features:

- Pleasing dome shape with a low profile and adequate free drainage area
- Corrosion-resisting dome material
- Effective debris protection
- Overflow drainage to allow drainage during debris build-up
- Gravel stop
- Positive flashing clamp
- Seepage control channels
- Sump designed to minimize air entrapment
- Flexibility to meet all construction requirements

SPECIFICATIONS

After identifying the proper options required to meet the engineering specification, place order as shown below:



All variation suffixes are to be show in parenthesis.

Drain Outlet Types:

- C - Caulk Outlet
- T - Threaded Outlet
- Y - NO-HUB Outlet
- L - Speedi-Set Service Weight
- LXH - Speedi-Set Extra Heavy (02, 03 and 04 sizes only)

Example: Pipe Size (Inches)

- 02 - 2"
- 03 - 3"
- 04 - 4"
- etc.

Example: Extensions 3/4" and up order as follows:

- 3/4" - E075
- 1" - E01
- 1-1/2" - E015
- etc.

Example: Exterior Water Dam

- 2-1/2" - WD025
- 3" - WD03
- 4" - WD04

HOW TO SELECT A ROOF DRAIN:

- Type of roof construction
- Roof pitch
- Volume of expected rainfall
- Desired rate of drainage
- Roof load and safety overflow requirements
- Location of drains
- Size
- Vandal-proofing
- Local Code Requirements

*Please contact your local branch for your specific draining needs.



FLOOR DRAINS

Jay R. Smith

2000 Series Floor Drains

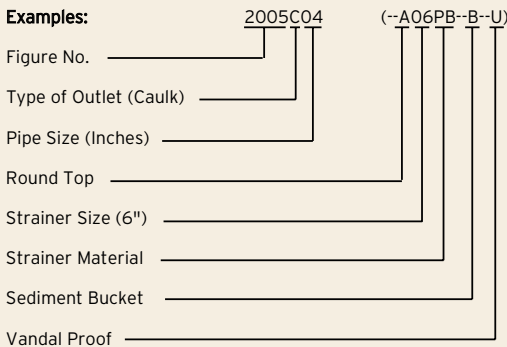
Jay R. Smith makes a variety of floor drains to accommodate different needs. Floor drains are primarily used for inside locations where the flow rate can be anticipated and for outside areas where rainfall intensity dictates sizing. Smith has a full line of floor drain tops ranging from nickel bronze light-duty square tops to cast iron heavy-duty round tops.

SPECIFICATIONS

RECOMMENDED GRATE FREE AREAS FOR VARIOUS OUTLET PIPE SIZES

NOMINAL PIPE SIZE (in)	TRANSVERSE AREA OF PIPE (sq. in)	MIN. FLOW REQUIREMENTS	
		INTERIOR AREAS (sq. in)	EXTERIOR AREAS (sq. in)
1-1/2	2.04	3.06	4.08
2	3.14	4.71	6.28
3	7.06	10.59	14.12
4	12.60	18.90	25.20
5	19.60	29.40	39.20
6	28.30	42.45	56.60
8	50.25	75.38	100.50

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Example: Pipe Size (Inches)
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04 - 4"
etc.

Example: Extensions 3/4" and up
order as follows:
3/4" - E075
1" - E01
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HOW TO SELECT A FLOOR DRAIN:

Drains should be selected with sufficient top size and grate free area to pass the anticipated flow. Grate free area is defined as "the total area of the drainage openings in the grate." The drain outlet should be sized large enough so that it will safely pass the maximum flow through the grate, without creating water buildup.

For most indoor locations, the grate free area should be 1-1/2 times the transverse area of the connecting pipe. The number and location of drains are based on the configuration of the floor plan, type of operation and location of equipment. Location and number of floor drains required can be determined only after careful review of the plans and anticipated building use.

Floor drains or area drains, when used to drain exterior areas, should have an open area equal to twice the transverse area of the connecting pipe.

*Please contact your local branch for your specific draining needs.



CLEANOUTS AND ACCESS COVERS

Jay R. Smith

4000 Series Cleanouts and Access Covers

Jay R. Smith offers a wide variety of cleanouts and access covers to blend and conform with the surrounding flooring and wall areas.

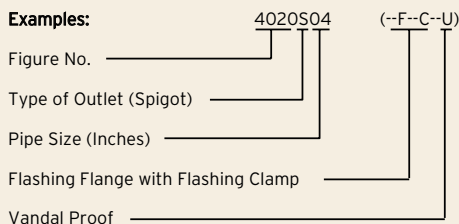
The Twis-To-Floor 4000 Series Cleanout line features all of the advantages required when specifying and installing a cleanout. These built-in features include:

- Outside threads, no tilting
- Smooth outside surface and protective ring, maximizes adjustment during and after the pour
- A shorter ferrule to make it easier to install
- An anchor flange and flashing clamp that provide adjustability that allows for precise membrane placement after the ferrule is installed
- The same size cleanout top for 2" through 4" outlet ferrules, creating aesthetic appeal and uniformity after the pour
- Tile and terrazzo covers that can be interchanged with scoriated finished floor covers after the concrete pour to accommodate job site changes

Wall access covers are installed to give access to cleanout plugs which are concealed in a vertical stack, valves, controls or special devices installed behind a wall. Access covers are available with or without frame, as determined by application and wall construction. Smith offers its cleanouts in attractive nickel bronze, polished bronze or chrome plated bronze, or cast iron for unfinished or heavy traffic access.

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MODELS

- Adjustable Floor Cleanouts
- Non-Adjustable Floor Cleanouts
- Ferrules with Access Covers
- Cleanout Tees
- Wall Access Covers
- Floor Access Covers