

The Features of MIFAB's Roof Drain System

MIFAB's roof drain system is designed to allow for the maximum rate of flow from a roof in any installation. Our sump is deeper and narrower than similar products from our competition, allowing for a greater interior sump volume yet requiring a smaller aperture in the roof. A narrower sump also means the water does not have to overcome as much lateral velocity as it begins its vertical transit into the storm drain system. It is of course this lateral velocity that induces the "Coriolis effect", or the tendency for draining water to form a spinning vortex at a vertical opening.

A wider sump means more distance for the water to accelerate towards the outlet

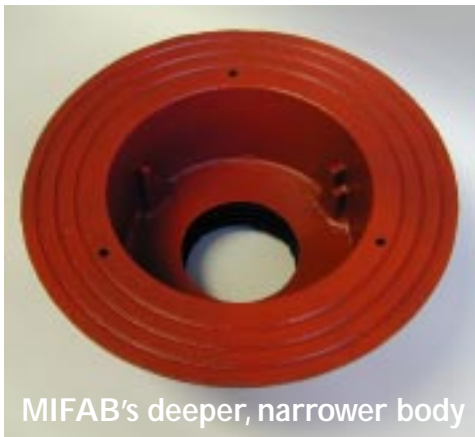


Typical Drain Body from Competitors

A narrower sump means less lateral velocity to overcome



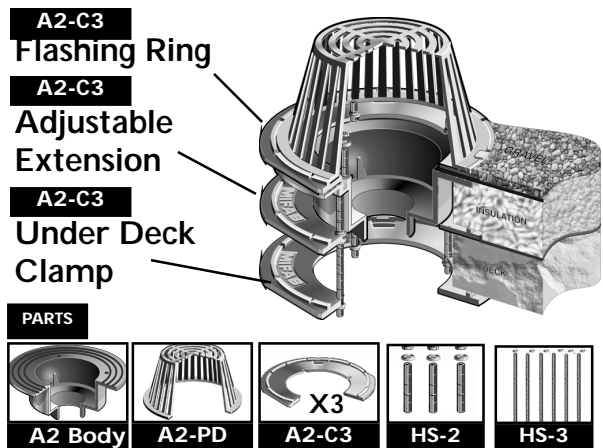
MIFAB R1200 Series Drain Body



MIFAB's deeper, narrower body

MIFAB's narrower roof drain body also affords less of a chance for debris to collect because of the reduced bottom area. Our bottom is also sloped to even further reduce the chance of foreign material collecting in the roof drain body.

R1200-EU, Roof drain with adjustable extension and under deck clamp



An example of MIFAB's logical, function driven design

MIFAB's roof drain system is modular, allowing for a greater diversity of applications with fewer parts. In the drain above, the same component (A2-C3), serves as clamping collar, extension and under deck clamp

Roof Drain Dome Comparison

A critical factor in the flow rate of a roof drain is the configuration and free area of the dome. The details below clearly illustrate that MIFAB's dome offers the greatest median slot sizing, and more than 30% greater free area than our closest competitor. With a dome height and slot width nearly double that of other manufacturers, MIFAB's dome design offers superior resistance to debris clogging, which can contribute to unexpected ponding.



Zurn Z-100 Dome

Dome Height: 4.5"

Dome Slots

Median width: 0.51"

Median Length: 3.04"

Dome Free Area: 92 Sq. In.



Jay R. Smith 1010 Dome

Dome Height: 5.25"

Dome Slots

Median width: 0.54"

Median Length: 4.75"

Dome Free Area: 102.5 Sq. In.



MIFAB R1200 Dome

Dome Height: 8"

Dome Slots

Median width: 0.89"

Median Length: 5.10"

Dome Free Area: 136 Sq. In.