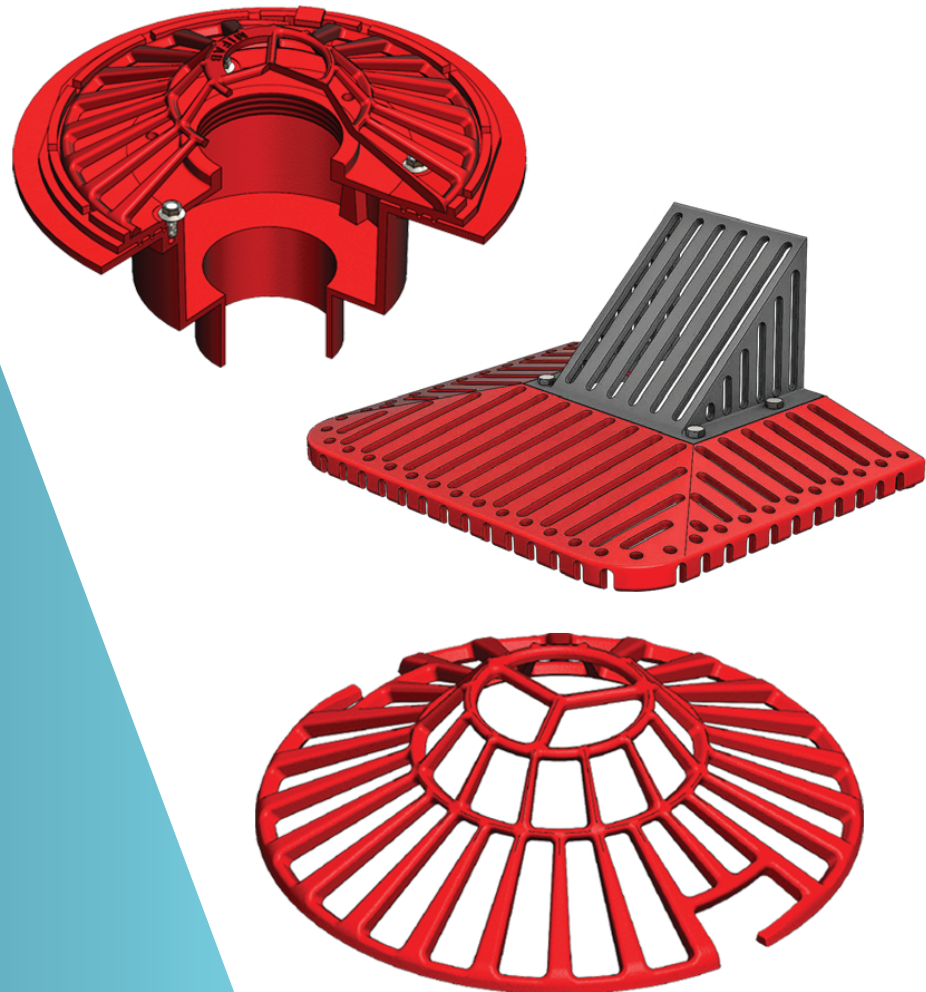


2020

ROOFGUARD CATALOG

“UNCLOGGABLE” ROOF
DRAIN DOMES



CAST IRON

-

SCUPPER

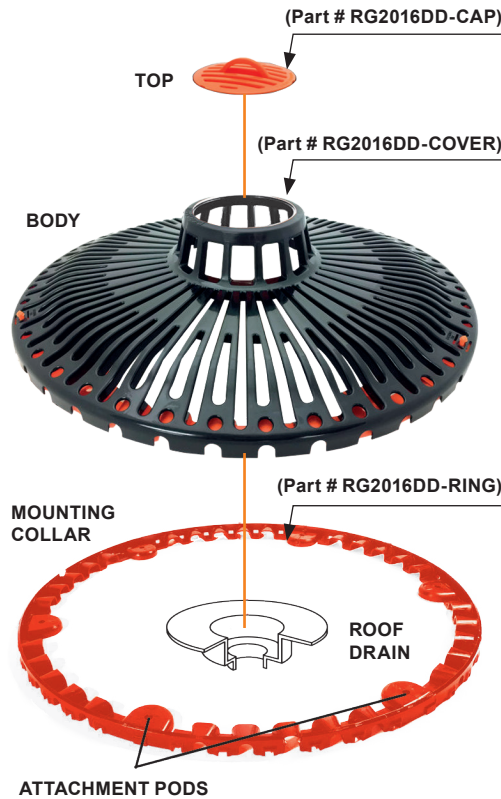
-

PLASTIC

POLYETHYLENE ROOFGUARD

Model RG2016DD illustrated

Patent # D803992



MAKE ROOF DRAINS UNCLOGGABLE APPLICATIONS:

* Ideal to replace existing roof drain domes on the roofs of schools, warehouses, factories, office buildings and any other building that has standing water on the roof due to clogged roof drain domes.

RoofGuard ELIMINATES STANDING WATER:

- Patented design increases surface area by up to 5x or more making a RoofGuard protected drain virtually uncloggable. RoofGuard SAVES \$\$
- RoofGuard works 24/7.
- Eliminates leaks and costly repairs caused by clogged drains.
- RoofGuard will replace any Roof Drain Dome Strainer up to 15" in diameter.
- Installation is fast, simple, and requires no tools.
- Removable Top allows easy access to drain and piping without detaching RoofGuard.

INSTALL IT:

- Clean and remove all dirt, debris, and other loose material in area around the drain where RoofGuard is to be installed. After cleaning, if the area is wet dry it off removing as much moisture as possible.
- Remove and dispose of current drain dome strainer.
- Turn RoofGuard over and fill the Attachment Pods with an exterior adhesive such as Chemlink M-1 or equal. Make sure the Pods are completely full and overflowing with adhesive to properly bond.
- Turn RoofGuard over to install over the drain. Press firmly on top of the Attachment Pods to ensure good adhesion to the roof surface.

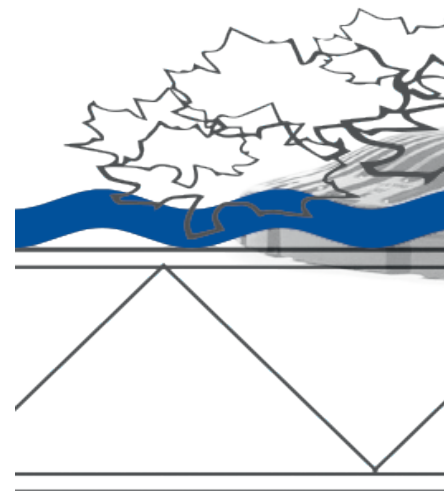


Scan the QR Code to be linked to the www.roof-guard.net website to see all product videos and related product information.



Image of recommended sealant - Chemlink M-1

Illustration of 6 pack polyethylene RoofGuard counter display. Part # RG2016DD-6



CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Design and dimensions are subject to modification. Prices do not include applicable taxes. Visit www.mifab.com for the most recent product information.

CAST IRON ROOFGUARD

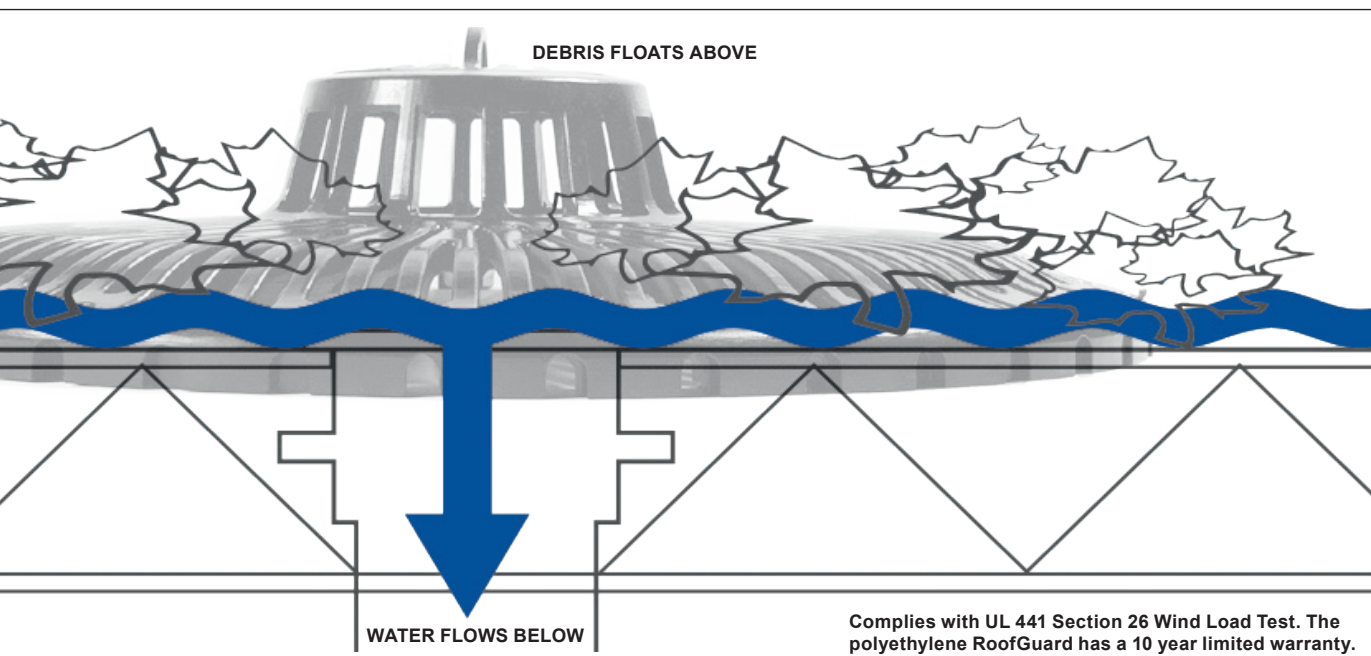
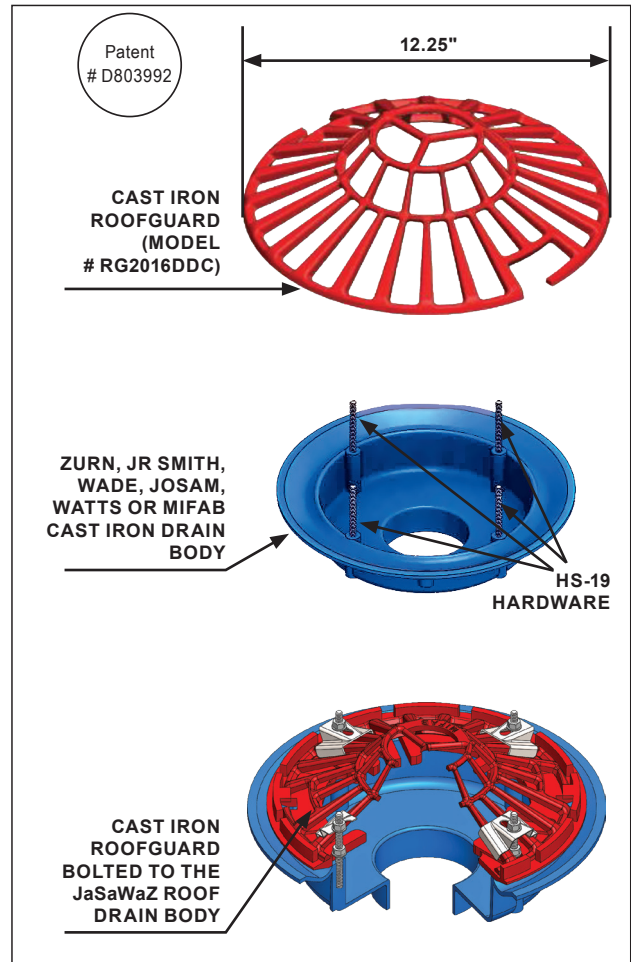
In applications where a cast iron RoofGuard is preferred, MIFAB's model number RG2016DDC cast iron RoofGuard is ideal.

APPLICATIONS:

*Ideal to replace existing roof drain domes on the roofs of schools, warehouses, factories, office buildings and any other building that has standing water on the roof due to clogged roof drain domes. The cast iron RoofGuard ensures a long life. It is also positively bolted to the roof drain body and membrane clamp.

INSTRUCTIONS:

- The RoofGuard will retrofit onto any existing roof drain (MIFAB, Zurn, JR Smith, Wade, Josam or Watts body).
- Remove the existing roof drain dome. Remove the bolts from the membrane clamp ring one at a time and replace them with the provided hardware (MIFAB HS-19).
- Assemble the threaded rods into the body. Add the washer and nut onto the threaded rod, securing the membrane clamp ring to the body. Add another nut and washer to the threaded rod, one inch above the membrane clamp ring (adjusting nut).
- Repeat this process until all bolts on the membrane clamp ring have been removed and replaced.
- Place the RoofGuard over the drain body.
- Add a washer and nut to the top of all of the threaded rods in order to secure the dome. Cut the excess thread off of the threaded rods.



Complies with UL 441 Section 26 Wind Load Test. The polyethylene RoofGuard has a 10 year limited warranty.

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Location: _____



R1200-RG

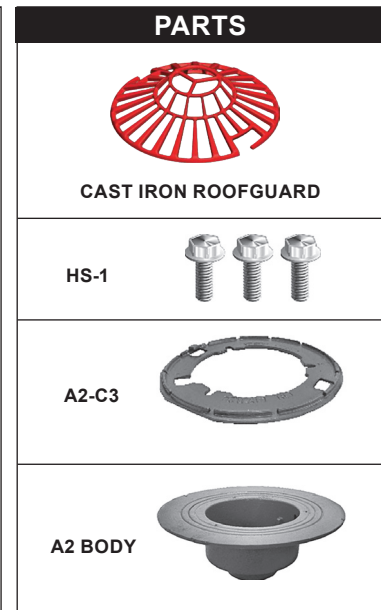
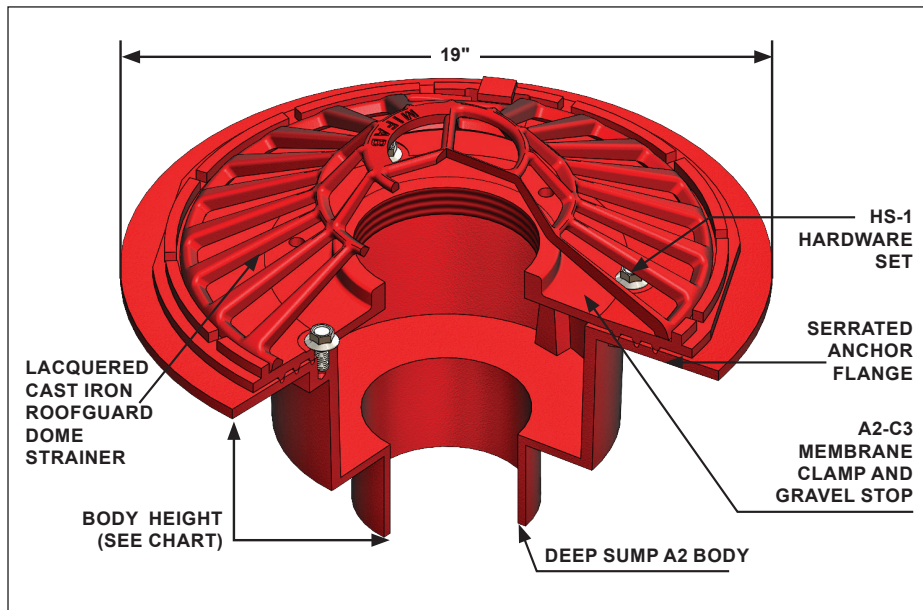


LARGE SUMP ROOF DRAIN WITH 19" DIAMETER CAST IRON ROOFGUARD

Specification: MIFAB® Series R1200-RG lacquered cast iron deep sump roof drain with 15" diameter anchor flange, large cast iron waterproofing membrane clamp ring with integral gravel stop, and 19" diameter cast iron RoofGuard dome strainer with horizontal and perimeter drainage slots to prevent clogging of the roof dome.

Patent # D803992

Function: Used in any type of roofs. Patented design significantly increases the surface area making the drain virtually uncloggable. The greatly increased surface area and perimeter drainage eliminates leaks and standing water on the roof.



PIPE SIZE	BODY HEIGHT				
	NO HUB (STANDARD)	PUSH ON (P)	THREADED (T)	INSIDE CAULK (X)	PVC/ABS (-30)/(-31)
○ 2" (51)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 6 3/4" (171)
○ 3" (76)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 5/8" (168)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 7 1/2" (191)
○ 4" (102)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 7 5/8" (194)
○ 5" (127)	<input type="checkbox"/> 5 3/4" (146)	—	<input type="checkbox"/> 6 5/8" (168)	<input type="checkbox"/> 6 3/4" (171)	—
○ 6" (152)	<input type="checkbox"/> 7 1/4" (184)	<input type="checkbox"/> 5 5/8" (143)	<input type="checkbox"/> 5 5/8" (143)	<input type="checkbox"/> 6 1/2" (165)	—
○ 8" (203)	<input type="checkbox"/> 5 7/8" (149)	—	—	(See note *)	—

- SUFFIX** **OPTIONAL VARIATIONS**
- 6 Vandal proof dome (metal dome only) (T-20 Torx & pin)
 - 11 Acid resistant epoxy coating
 - 12 Galvanized metal dome
 - 12A Galvanized body and membrane clamp
 - 12B Galvanized metal dome and membrane clamp
 - 13 Galvanized body, membrane clamp and dome
 - 28 Stainless steel body (Type 304) (2", 3", 4")
 - 30 PVC socket connection body (2", 3" 4")
 - 31 ABS socket connection body (2", 3" 4")
 - 83 Stainless steel mesh screen over dome

- SUFFIX** **OPTIONAL VARIATIONS**
- 90 Threaded side outlet (2", 3", 4")
 - 90NH No Hub side outlet (cast iron only) (2", 3", 4")
 - (Standard) No hub outlet
 - B Sump receiver
 - BA Buy America Act compliant product
 - C Secondary clamp
 - E Adjustable extension
 - EG Galvanized Adjustable extension
 - P Push on outlet
 - PA Pennsylvania Steel Act compliant product

- SUFFIX** **OPTIONAL VARIATIONS**
- T Threaded outlet (except 8")
 - U Underdeck clamp
 - U3 Underdeck clamp with cutaway side
 - V Fixed Static Extension 2", 3", 4"
 - VG Galvanized fixed extension (2", 3", 4")
 - W-1 Water proofing flange
 - W1 Water proofing flange (A8-W-1)
 - X Inside caulk outlet
 - XJ Vertical expansion joint (see R1900)
 - Z Extended wide elastomeric flange

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Job Name: _____

Page No: _____

Section No: _____

Contractor: _____

Schedule No: _____

Purchase Order No: _____

Location: _____



R1200-R-RG

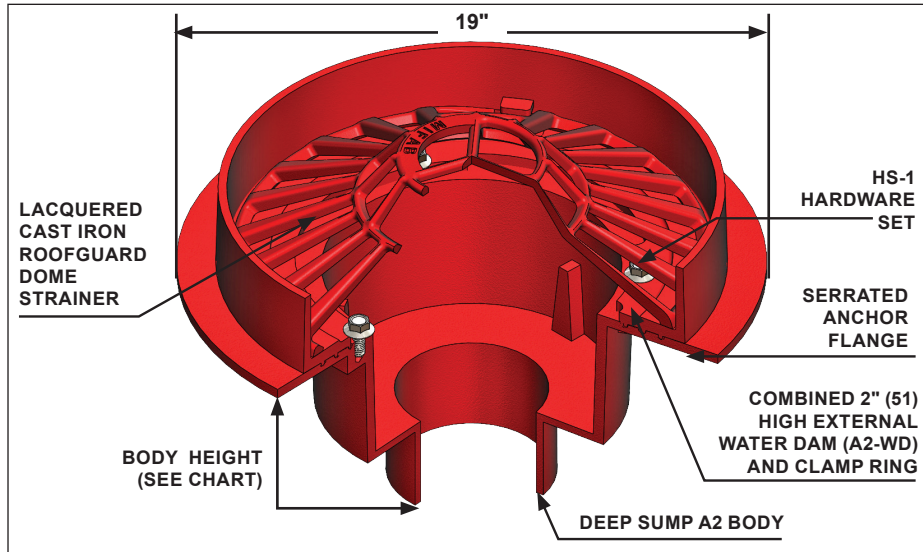


LARGE SUMP ROOF DRAIN WITH 2" HIGH EXTERNAL WATER DAM AND 19" DIAMETER CAST IRON ROOFGUARD

Specification: MIFAB® Series R1200-R-RG lacquered cast iron deep sump roof drain with 15" diameter anchor flange, 2" high, cast iron external combined water dam and waterproofing membrane clamp ring and 19" diameter cast iron RoofGuard dome strainer with horizontal and perimeter drainage slots to prevent clogging of the roof dome.



Function: Used in flat roofs where a constant height of water is required. Also used as an emergency overflow, draining water when the depth of water on the roof exceeds the water dam height. Patented design significantly increases the surface area making the drain virtually uncloggable. The greatly increased surface area and perimeter drainage eliminates leaks and standing water on the roof.



PARTS	
	CAST IRON ROOFGUARD
	HS-1
	A2-WD
	A2 BODY

PIPE SIZE	BODY HEIGHT				
	NO HUB (STANDARD)	PUSH ON (P)	THREADED (T)	INSIDE CAULK (X)	PVC/ABS (-30)/(-31)
○ 2" (51)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 6 3/4" (171)
○ 3" (76)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 5/8" (168)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 7 1/2" (191)
○ 4" (102)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 7 5/8" (194)
○ 5" (127)	<input type="checkbox"/> 5 3/4" (146)	—	<input type="checkbox"/> 6 5/8" (168)	<input type="checkbox"/> 6 3/4" (171)	—
○ 6" (152)	<input type="checkbox"/> 7 1/4" (184)	<input type="checkbox"/> 5 5/8" (143)	<input type="checkbox"/> 5 5/8" (143)	<input type="checkbox"/> 6 1/2" (165)	—
○ 8" (203)	<input type="checkbox"/> 5 7/8" (149)	—	—	(See note *)	—

- | | | |
|-------------------------------|---------------|---|
| <input type="checkbox"/> -6 | SUFFIX | OPTIONAL VARIATIONS |
| <input type="checkbox"/> -11 | | Vandal proof dome (metal dome only) (T-20 Torx & pin) |
| <input type="checkbox"/> -12 | | Acid resistant epoxy coating |
| <input type="checkbox"/> -12A | | Galvanized metal dome |
| <input type="checkbox"/> -12B | | Galvanized body and membrane clamp |
| <input type="checkbox"/> -13 | | Galvanized metal dome and membrane clamp |
| <input type="checkbox"/> -13 | | Galvanized body, membrane clamp and dome |
| <input type="checkbox"/> -28 | | Stainless steel body (Type 304) (2", 3", 4") |
| <input type="checkbox"/> -30 | | PVC socket connection body (2", 3" 4") |
| <input type="checkbox"/> -31 | | ABS socket connection body (2", 3" 4") |
| <input type="checkbox"/> -83 | | Stainless steel mesh screen over dome |

- | | | |
|-------------------------------------|---------------|--|
| <input type="checkbox"/> -90 | SUFFIX | OPTIONAL VARIATIONS |
| <input type="checkbox"/> -90NH | | Threaded side outlet (2", 3", 4") |
| <input type="checkbox"/> (Standard) | | No Hub side outlet (cast iron only) (2", 3", 4") |
| <input type="checkbox"/> -B | | No hub outlet |
| <input type="checkbox"/> -BA | | Sump receiver |
| <input type="checkbox"/> -C | | Buy America Act compliant product |
| <input type="checkbox"/> -E | | Secondary clamp |
| <input type="checkbox"/> -EG | | Adjustable extension |
| <input type="checkbox"/> P | | Galvanized Adjustable extension |
| <input type="checkbox"/> -PA | | Push on outlet |
| | | Pennsylvania Steel Act compliant product |

- | | | |
|-------------------------------|---------------|---|
| <input type="checkbox"/> T | SUFFIX | OPTIONAL VARIATIONS |
| <input type="checkbox"/> -U | | Threaded outlet (except 8") |
| <input type="checkbox"/> -U3 | | Underdeck clamp |
| <input type="checkbox"/> -V | | Underdeck clamp with cutaway side |
| <input type="checkbox"/> -VG | | Fixed Static Extension 2", 3", 4" |
| <input type="checkbox"/> -W-1 | | Galvanized fixed extension (2", 3", 4") |
| <input type="checkbox"/> -W1 | | Water proofing flange |
| <input type="checkbox"/> X | | Water proofing flange (A8-W-1) |
| <input type="checkbox"/> -XJ | | Inside caulk outlet |
| <input type="checkbox"/> -Z | | Vertical expansion joint (see R1900) |
| | | Extended wide elastomeric flange |

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Job Name: _____	Page No: _____
Section No: _____	Contractor: _____
Schedule No: _____	Purchase Order No: _____

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R1270-RG

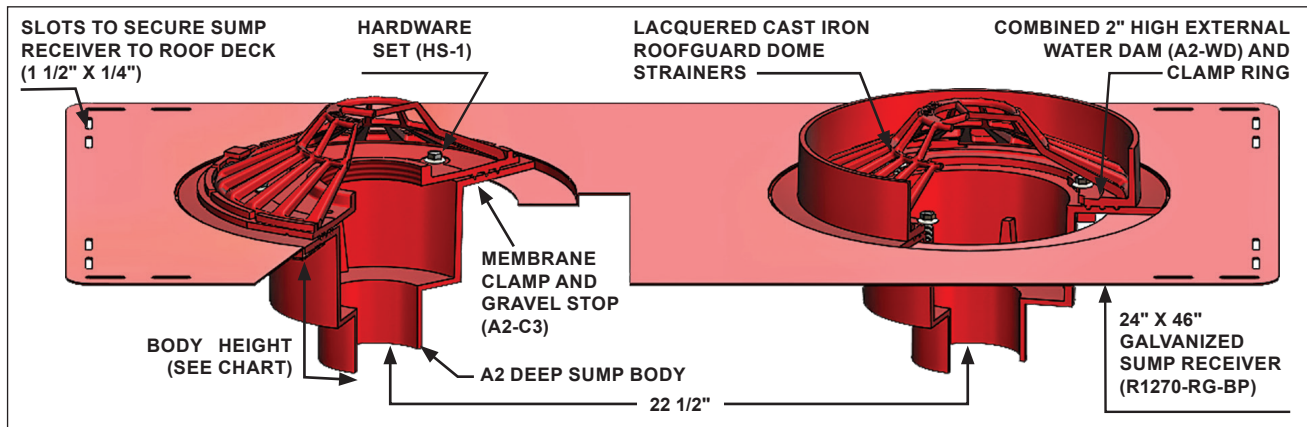


COMBINED LARGE SUMP ROOF DRAIN WITH SECONDARY OVERFLOW AND 19" DIAMETER CAST IRON ROOFGUARD

Specification: MIFAB® Series R1270-RG combined large sump roof drain and secondary overflow system; consisting of 24" x 46" galvanized steel sump receiver, two lacquered cast iron bodies with 15" diameter anchor flange, one cast iron waterproofing membrane clamp ring with integral gravel stop and a second 2" high, cast iron external combined water dam and waterproofing membrane clamp ring. Complete with two 19" diameter cast iron RoofGuard dome strainers with horizontal and perimeter drainage slots to prevent clogging of the roof domes.

Patent # D803992

Function: Used in any type of conventional or flat roofs where a safety overflow, which receives water only when the accumulation is greater than the height of the 2" water dam, is required to be located beside a standard (or primary) roof drain. Patented design significantly increases the surface area making the drain virtually uncloggable. The greatly increased surface area and perimeter drainage eliminates leaks and standing water on the roof. The underdeck clamp rings are eliminated with this product because the roof drain bodies are bolted to the underside of the sump receiver and is therefore fixed. Three pieces of 5/16" x 3/4" hardware bolts and washers are provided to secure the MIFAB A2 bodies to the underside of the R1270-BP.



PIPE SIZE	BODY HEIGHT				
	NO HUB (STANDARD)	PUSH ON (P)	THREADED (T)	INSIDE CAULK (X)	PVC/ABS (-30)/(-31)
○ 2" (51)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 6 3/4" (171)
○ 3" (76)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 5/8" (168)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 7 1/2" (191)
○ 4" (102)	<input type="checkbox"/> 5 3/4" (146)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 5 1/2" (140)	<input type="checkbox"/> 6 1/2" (165)	<input type="checkbox"/> 7 5/8" (194)
○ 5" (127)	<input type="checkbox"/> 5 3/4" (146)	—	<input type="checkbox"/> 6 5/8" (168)	<input type="checkbox"/> 6 3/4" (171)	—
○ 6" (152)	<input type="checkbox"/> 7 1/4" (184)	<input type="checkbox"/> 5 5/8" (143)	<input type="checkbox"/> 5 5/8" (143)	<input type="checkbox"/> 6 1/2" (165)	—
○ 8" (203)	<input type="checkbox"/> 5 7/8" (149)	—	—	(See note *)	—

- SUFFIX** **OPTIONAL VARIATIONS**
- 6 Vandal proof domes (metal domes only) (T-20 Torx & pin)
 - 11 Acid resistant epoxy coating
 - 12 Galvanized metal domes
 - 12A Galvanized bodies and membrane clamps
 - 12B Galvanized metal domes and membrane clamps
 - 13 Galvanized bodies, membrane clamps and domes
 - 28 Stainless steel bodies (Type 304) (2", 3", 4")
 - 30 PVC socket connection bodies (2", 3", 4")
 - 31 ABS socket connection bodies (2", 3", 4")

- SUFFIX** **OPTIONAL VARIATIONS**
- 83 Stainless steel mesh screen over domes
 - 90 Threaded side outlets (2", 3", 4")
 - 90NH No Hub side outlets (cast iron only) (2", 3", 4")
 - (Standard) No hub outlets
 - BA Buy America Act compliant product
 - C Secondary clamps
 - E Adjustable extension
 - EG Galvanized Adjustable extension
 - P Push on outlets

- SUFFIX** **OPTIONAL VARIATIONS**
- PA Pennsylvania Steel Act compliant product
 - T Threaded outlets (except 8")
 - U Underdeck clamps
 - U3 Underdeck clamps with cutaway side
 - W-1 Water proofing flange
 - X Inside caulk outlets
 - XJ Vertical expansion joints (see R1900)

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Job Name: _____

Page No: _____

Section No: _____

Contractor: _____

Schedule No: _____

Purchase Order No: _____

Location: _____



RG2016DG



POLYETHYLENE REPLACEMENT SCUPPER DRAIN

Specification: MIFAB® - RoofGuard Model RG2016DG polyethylene (with UV inhibitor) replacement scupper drain with an extra large, horizontal slotted, free area drainage design. The RoofGuard has a 10 year limited warranty.

WHY RoofGuard?

MAKE ROOF DRAINS UNCLOGGABLE

RoofGuard ELIMINATES STANDING WATER:

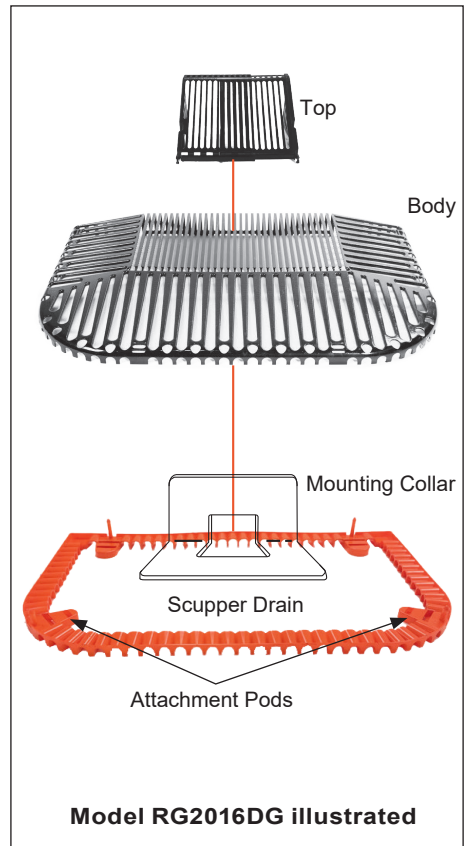
- Patented design increases surface area by up to 5x or more making a RoofGuard protected drain virtually uncloggable. RoofGuard SAVES \$\$
- RoofGuard works 24/7.
- Eliminates leaks and costly repairs caused by clogged drains.
- RoofGuard will replace any scupper drain.
- Installation is fast, simple, and requires no tools.
- Removable Top allows easy access to drain and piping without detaching RoofGuard.



8 piece multi pack box for the plastic RoofGuard scupper drains

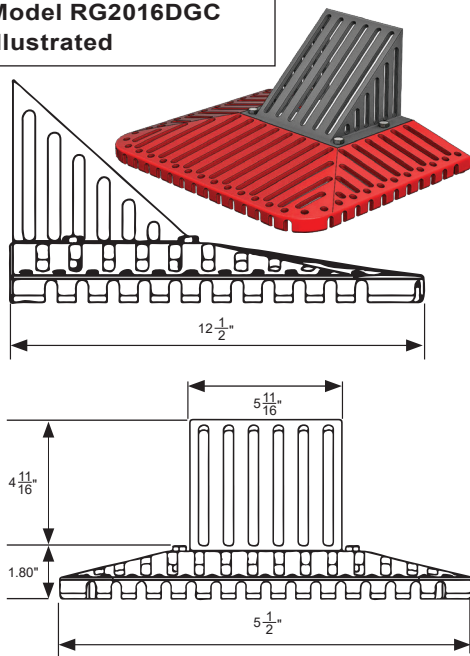
INSTALLATION:

1. Remove packaging and take adjustable top off of the RoofGuard housing.
2. Remove any screening around scupper opening.
3. Clean and dry roofing membrane.
4. Overfill the 4 attachment pods on the bottom of RoofGuard with an exterior water proof adhesive (M-1 or similar). Make sure the pods are full and over flowing with the adhesive to ensure proper bonding to roofing membrane.
5. Turn RoofGuard over and install with the scupper opening centered on the flat platform on RoofGuard. Install as close as possible to the scupper opening.
6. Size the RoofGuard top to scupper opening and then install on RoofGuard platform. The top can be adjusted to slide inside of scupper opening or go over opening.
7. Slide adjustable top into desired position so that the top protects scupper opening.



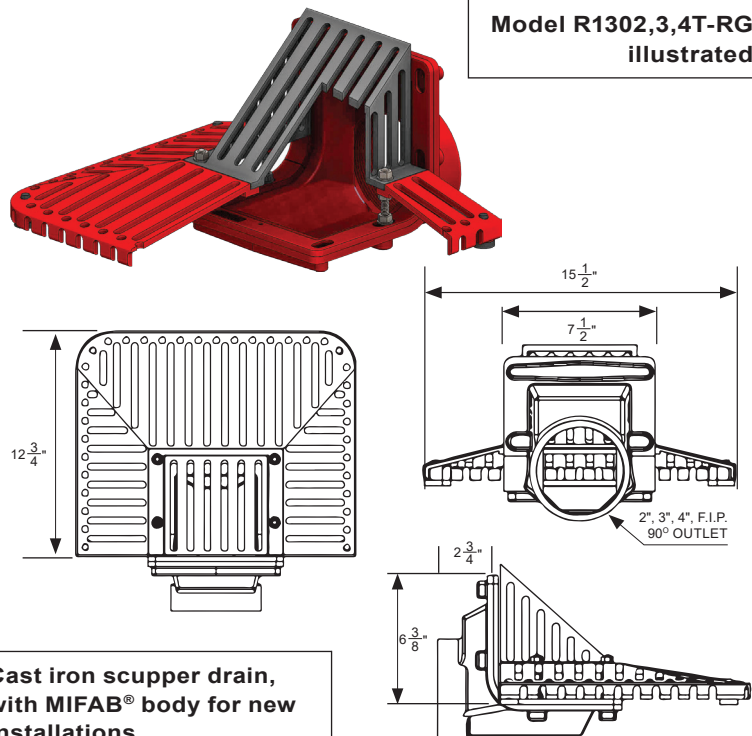
Model RG2016DG illustrated

Model RG2016DGC illustrated



Cast iron scupper drain, less MIFAB® body for retrofit applications.

Model R1302,3,4T-RG illustrated



Cast iron scupper drain, with MIFAB® body for new installations.

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**ROOFGUARD
ROOF DOME**



RG2016DDC



RG2016DD

THE UNCLOGGABLE ROOF DRAIN

1. Eliminates standing water
2. Saves money in maintenance
3. Easy to install and maintain
4. Best performing dome on the market
5. Available for scuppers and traditional round drains

BETTER FLOW RATES THAN A TRADITIONAL DOME

VOLUMETRIC FLOW RATE FOR NOMINAL 4" DRAIN WITH
DRAIN COVER- VERTICAL PIPE ROOF DRAIN TEST

WITHOUT DEBRIS

Head of Water (in.)	No Cover	10" Roof Grate	RoofGuard Cover 13"	Improved flow over 10" Grate	RoofGuard Cover 19"	Improved flow over 10" Grate
1	69	54	57	5.6%	57	5.6%
2	90	82	85	3.7%	89	8.5%
3	138	110	113	2.7%	110	0.0%
4	214	133	139	4.5%	135	1.5%
5	253	158	160	1.3%	158	0.0%
6	297	185	189	2.2%	17	-7.0%

WITH DEBRIS

Head of Water (in.)	No Cover	10" Roof Grate	RoofGuard Cover 13"	Improved flow over 10" Grate	RoofGuard Cover 19"	Improved flow over 10" Grate
1	69	8	18	125.0%	31	287.5%
2	90	22	36	63.6%	49	122.7%
3	138	50	62	24.0%	71	42.0%
4	214	64	80	25.0%	101	57.8%
5	253	90	106	17.8%	121	34.4%
6	297	110	122	10.9%	153	39.1%



MIFAB CATALOGS



MPB-2022-USA
SPECIFICATION
DRAINAGE
(LIT-067)



CLPB-2022
LIGHT COMMERCIAL
PRODUCTS
(LIT-048)



AD-2022-USA
ACCESS DOORS
(LIT-043)



BEECO-2022
BACKFLOW PREVENTERS
AND ACCESSORIES
(LIT-071)



NH-2022-06
NO HUB COUPLINGS
(LIT-044)



TDPC-2023
POLYMER CONCRETE
TRENCH DRAINS
(LIT-076)



TD-2023
GRP & STEEL
TRENCH DRAINS
(LIT-046)



TDSD-2023
SHOWER DRAINS
(LIT-077)



TDSS-2023
STAINLESS STEEL
TRENCH DRAINS
(LIT-072)



ROOFGUARD-2020
ROOFGUARD ROOF
DOMES
(LIT-058)



C-PORT-2023
ROOFTOP RUBBER
PIPE SUPPORTS
(LIT-047)



DB-2022
DIALYSIS BOXES
(LIT-070)



HYDROMAX-2020
SIPHONIC DRAINAGE
(LIT-082)



INT-2023
INTERCEPTORS & ACID
NEUTRALIZATION TANKS
(LIT-095)



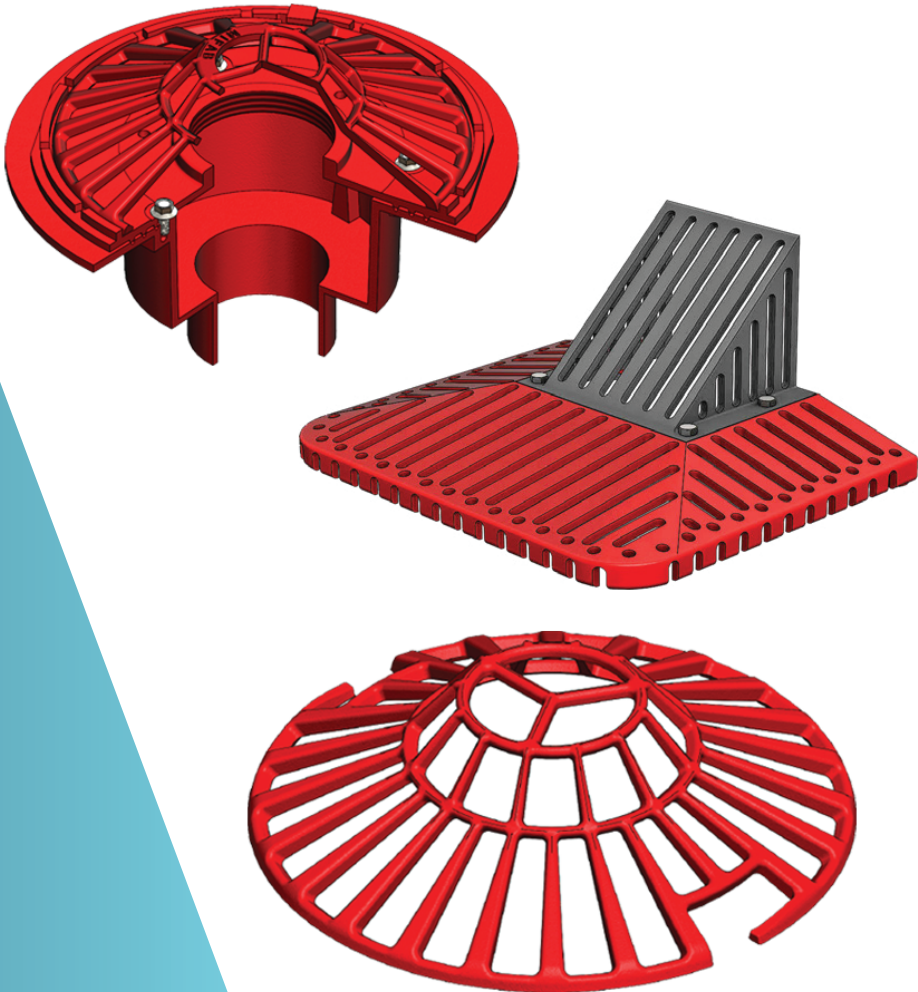
TSP-2022-08
TRAP SEAL
PRIMERS
(LIT-062)



2020

ROOFGUARD CATALOG

“UNCLOGGABLE” ROOF
DRAIN DOMES



CAST IRON

-

SCUPPER

-

PLASTIC