

**WATERTIGHT IN SECONDS.
FLOWS LIKE A TRADITIONAL NEW CONNECTION DRAIN.**

When it comes to roof drainage, getting water off the roof is the name of the game. The OMG SpeedTite Drain with built-in Vortex Breaker Technology is designed for improved flow performance that rivals many traditional new connection drains.* SpeedTite Drains are “drop-in-ready” for installation from the box, and feature a mechanical seal that exceeds the ANSI/SPRI RD1 standard for back-flow prevention.



FEATURES & BENEFITS

- Available in 75-, 100-, and 150 mm diameters to accommodate most field conditions.
- 75 mm & 100 mm drains comply with BS EN1253-3-2015.
- OMG SpeedTite Drains flow like traditional new connection roof drains. The flow performance helps to get water – and dead load weight – off of the roof faster.
- The Vortex Breaker disrupts the slow draining effect of a vortex providing a smoother more consistent flow rate, and helping to eliminate “chugging” that can cause damage to plumbing systems.
- The flat clamping ring design allows increased flow for better performance.
- OMG SpeedTite Drains can be installed in minutes without any special tools, helping to save time and labor.
- The patented mechanical seal provides a symmetrical watertight connection with the drain leader and can be made watertight in seconds.
- Also available with a TPO or PVC coated flange for direct hot-air welding to the roof cover.
- OMG SpeedTite Drains feature a one-piece seamless body with an extra-large 432mm flange for positive attachment of the roof flashing membrane.

- The heavy cast aluminium strainer dome provides long-term drain durability and will not rust.

APPROVALS & STANDARDS

BS EN1253-3-2015 is a SPRA (Single Ply Roofing Association) component quality standard test for rainwater outlet flow capacity. OMG Hercules Drains (75 & 100 mm), have been tested to comply by CRM Rainwater Drainage Consultancy, LTD., Farnworth, England to exceed the requirements. For details, contact OMG Roofing Products.

ANSI/SPRI RD-1 is a national performance standard. OlyFlow® Drains – including the OMG SpeedTite Roof Drain – exceed the standard, which requires that the seal hold a 3 m column of water for 24 hours without leaking.

ORDERING INFORMATION

PRODUCT	CAT. NO.	DOME TYPE	PKG. QTY.	WEIGHT (KGS)
75 mm SpeedTite	SPT3A-FCR	Aluminium	1	12.2
100 mm SpeedTite	SPT4A-FCR	Aluminium	1	12.2
150 mm SpeedTite	SPT6A-FCR	Aluminium	1	12.2

PHYSICAL DATA**

DRAIN BODY		SEAL	
11 Ga. (3.18 mm) spun aluminium		OMG SpeedTite Mechanical Seal	
FLANGE		STRAINER DOME	
432 mm diameter with sump area		Cast aluminium	
STEM		CLAMP RING	
254 mm length		Flat aluminium	

**All dimensions are nominal.

INSTALLATION PROCEDURE

FOR USE WITH

All types of roof covers.

JOB PREPARATION

Remove existing strainer dome and clamping ring. Remove other existing drain components as required to enable the OMG SpeedTite Roof Drain flange to lie flush on roof membrane. Remove any debris or constricting materials in the existing drain pipe that interferes with proper installation. It is recommended to wire brush the interior leader in the area of seal contact to be as smooth as possible.

STEP 1

Examine the existing water leader to make sure there are no elbows that prevent the drain stem from being fully inserted into the pipe. (If an elbow is present, see "How to Shorten The OMG SpeedTite Roof Drain Stem.") Insert assembled drain into existing leader pipe until flange lies flush on roof membrane.

STEP 2

Tighten the wing nut on the top of the OMG red Vortex Breaker until hand tight. The OMG SpeedTite Roof Drain is correctly installed when pressure placed on drain body results in no vertical movement.

STEP 3

Secure the drain flange to the roof deck/nailer using a minimum of three pan-head fasteners, evenly spaced around the flange. The flashing membrane must cover and extend past the fastener head. A suggested way to prepare the flashing membrane is to use the interior of the clamp ring as a template for cutting a hole to the inside of the studs. Flashing membrane must be installed per roof membrane manufacturer's detail.

STEP 4

Place clamping ring over metal studs. Install stainless steel nut and lock washers tightening clamping ring against membrane flashing until secure.

STEP 5

Install the strainer dome onto the retaining clips, then insert nylon push-in fastener into the appropriate height hole in each of the three retaining clips.

HOW TO SHORTEN THE OMG SPEEDTITE ROOF DRAIN STEM

Make sure there is at least 100 mm of clear vertical distance in the existing pipe to accommodate the drain. Remove the wing nut and lock washer in order to remove the OMG SpeedTite Mechanical Seal and seal expander from the drain body. Cut drain stem as evenly as possible to desired length and re-assemble the OMG SpeedTite Mechanical Seal and seal expander. **Note: Leave at least 65 mm of the drain stem to accommodate the seal.** Trim the threaded rod on the seal expander accordingly as the cut stem may cause interference with the strainer but leave enough room for the wing nut. To ensure that the strainer dome fits properly, do not cut the threaded rod until after the lock washer and wing nut have been re-assembled and secured in place on the drain stem. Once the drain and seal have been re-assembled, insert it into the existing water leader and complete the assembly following installation steps 2 through 5.

As with all building materials it is the responsibility of the installer to review its usage with a design professional to confirm safety, compatibility and acceptance with the roof cover manufacturer as well as local building codes.

SEAL EXPANSION CAPACITY

SpeedTite	Outside Diameter of PRE-EXPANDED SEAL	FULLY EXPANDED
75	72	82
100	95.7	105.6
125	121.6	129.5
150	145.8	158

*All sizes are nominal. Due to manufacturing variances and job site inconsistencies, these figures are guidelines and are not guaranteed.

Sizes shown in millimetres.