

## Technical Data Sheet OMG HD Roof Fastener

### Product Use:

Heavy duty roofing fastener for securing insulation and membrane to steel (0.7mm to 1.0mm), timber (18mm and thicker) and concrete decks (pre-drilled using 5.0mm drill bit).

### Description:

- Oval Head.
- Phillips No.3 truss head.
- Deep thread for high pullout resistance.
- Bucket packaging.
- Minimum 20mm penetration through steel & timer decks.
- Minimum embedment of 25mm into concrete deck.



### Certification:



### Technical Specification:

Code	Description	Max Build-up: On Concrete
19-HD030	6.3x30mm OMG Heavy Duty Roofing Screw	5mm
19-HD050	6.3x50mm OMG Heavy Duty Roofing Screw	25mm
19-HD075	6.3x75mm OMG Heavy Duty Roofing Screw	50mm
19-HD100	6.3x100mm OMG Heavy Duty Roofing Screw	75mm
19-HD115	6.3x115mm OMG Heavy Duty Roofing Screw	90mm
19-HD125	6.3x125mm OMG Heavy Duty Roofing Screw	100mm
19-HD150	6.3x150mm OMG Heavy Duty Roofing Screw	125mm
19-HD175	6.3x175mm OMG Heavy Duty Roofing Screw	150mm
19-HD200	6.3x200mm OMG Heavy Duty Roofing Screw †	175mm

Membrane Plate Options	
Code	Description
22-DR8040	80x40mm Deep Recess Oval Plate
22-FR8040	80x40mm Flat Recess Oval Plate
22-SPL8040	80x40mm OMG Oval Plate
22-SP50-F4E	50mm Round Plate
22-SP50B	50mm OMG Barbed Plate *
22-SP60B	60mm OMG Barbed Plate *

HD Roof Fastener Typical Pull-Out Values	
Substrate	Pull-Out Value
Steel 0.7mm	1.6kN
Steel 0.9mm	2.2kN
Steel 1.25mm	2.7kN
Timber 18mm	2.2kN
Timber 38mm	3.4kN
Concrete 25mm	4.1kN



## Technical Data Sheet OMG HD Roof Fastener

### Insulation Plate Options

Code	Description	
22-R70	70mm Round Plate	<i>See Technical Data Sheets for further information on insulation &amp; membrane plates</i>
22-SP75-ST	75mm OMG Round Plates *	
22-SQ75-ST	75x75mm OMG Flat AccuTrac Plates *	

\* Factory Mutual Approved

† HD Roof Screws can be supplied in longer lengths up to 610mm

### Installation:

In order to ensure the correct application of the tube & fastener combination into the substrate and to avoid overdriving and/or damage, all sleeves and fasteners must be installed using only the recommended tooling, including screw guns (with torque setting), drive bars and correct bits etc.

A project specific wind uplift calculation should be carried out to ensure the correct density of fasteners is installed. Pull-out testing should also be undertaken for concrete decks and all refurbishment projects. This will ensure the suitability of the fastener and additionally will determine the optimum drill diameter and embedment required.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.