

TECHNICAL DATA SHEET

WEDGE NUT



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TDS No.20140403
V0001

1. Description / Material

The Wedge Nut is a dovetail shaped block which is threaded to take metric bolts or threaded rods.
Finish: Zinc coated (Chromate and Cr Free)

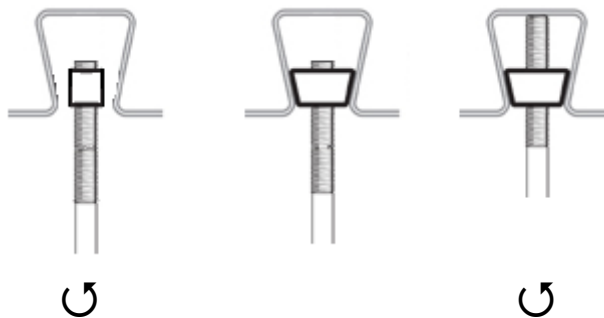
2. Use

The Wedge Nut is commonly used as part of a hanger system suspended from composite slab decking which should only be installed after the concrete of the composite slab is fully cured.

It is important that the correct wedge nut and decking are compatible and that the wedge is not inserted into lap joints. To avoid local overloading of the slab, the wedge nuts should not be closely grouped. As a general guide, it is recommended that fixings be on a nominal 600mm grid. Design advice for closer groupings should be obtained from the project structural design engineer where possible.

Dynamic loads should not be supported by wedge nut fixings. Proprietary anchors should be used in this situation, where approved by the project structural design engineer.

3. Installation Guide



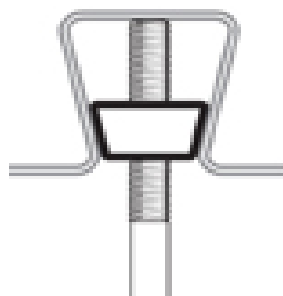
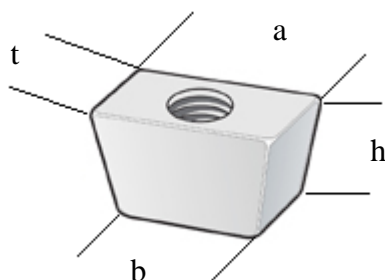
1. Ensure you have selected the correct wedge nut.
2. Thread the wedge onto the required bolt or rod.
3. Insert the wedge into the dovetail rib from below and rotate through 90° so that the sloped faces of the wedge bear on the decking ribs.
4. The threaded rod should then be finger tightened up to the roof of the dovetail of the decking locking the wedge nut in place (as shown in option 1). Alternatively, a nut and washer can be used to secure the wedge nut in place (as shown in option 2).



Option 1



Option 2

4. Dimensions / Performance

Description	Thread Size	Top Width a (mm)	Bottom Width b (mm)	Height h (mm)	Thickness (t) mm	Rec. Tensile Load (kN)
SH Wedge Nut	M6	25	19	12	12	1.8
SH Wedge Nut	M8					2.0
SH Wedge Nut	M10					2.1
RD60 Wedge Nut	M6	21	17.5	10	13	1.8
RD60 Wedge Nut	M8					2.0
RD60 Wedge Nut	M10					2.1
Mini Mini Wedge Nut	M6	17.75	13	9.5	9.5	1.4
Mini Mini Wedge Nut	M8					1.5

The above data is indicative and should be used for guidance purposes only as performance is dependent on the capacity of the concrete slab. Whilst VJ Technology can give general guidance and advice, the nature of the products means that ultimate responsibility lies with the installer.

As the installation and handling of this product are beyond VJ Technology's control, the user must ensure that the product is suitable for the application. VJ Technology cannot accept responsibility for any loss or damage that may occur either directly or indirectly by the use of this product. VJ Technology also hold the right to change specification data without prior notice E & OE