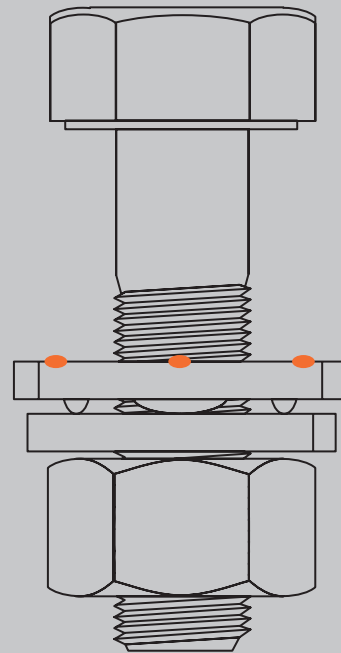


SQUIRTER DTI

**DIRECT TENSION INDICATOR WASHERS /
GR8.8 HI-TENSILE / MECHANICAL GALVANISED**

GUIDE

Quick Start Guide & Tightening Method



For Install Support

techadvice@allfasteners.com.au



For Specification Support

engineering@allfasteners.com.au



For Customer Support

1800 255 349

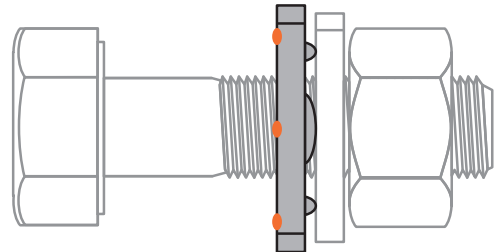
SQUIRTER DTI WASHER

GR8.8 HI-TENSILE / MECHANICAL GALVANISED

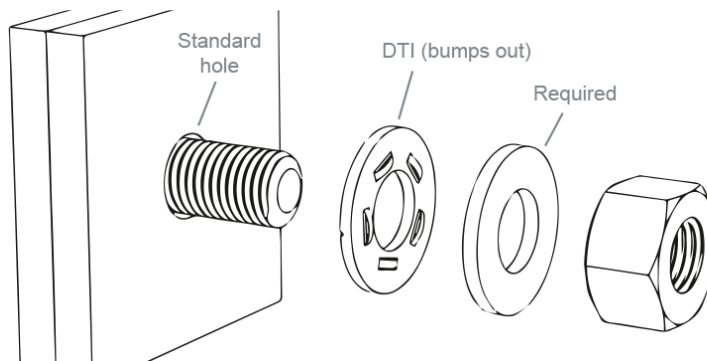
QUICK START GUIDE

READ FIRST: Pro Tips

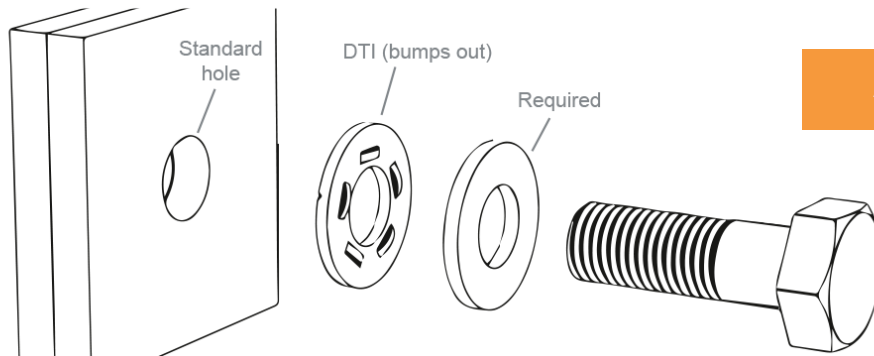
- Store all hardware to prevent corrosion, reducing the effort needed to tension the bolts.
- Lubricate both the bolt threads and washer face of nuts to reduce friction and improve the installation.
- Use a tool with enough power, hardware testing can check this.
- Hole detail in the steelwork is critical for proper assembly.



Assemble

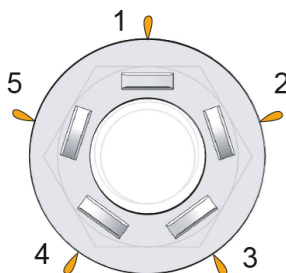


Recommended



Alternative

Tighten / Inspect



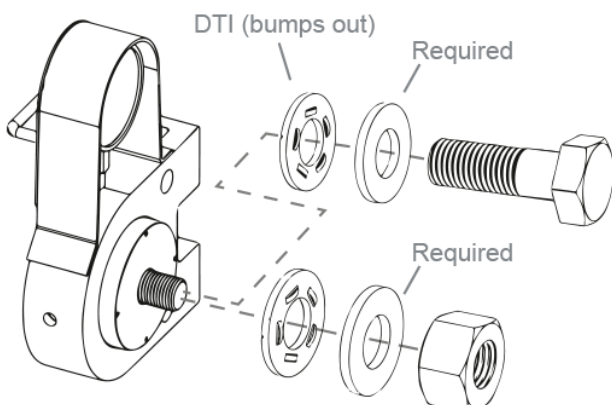
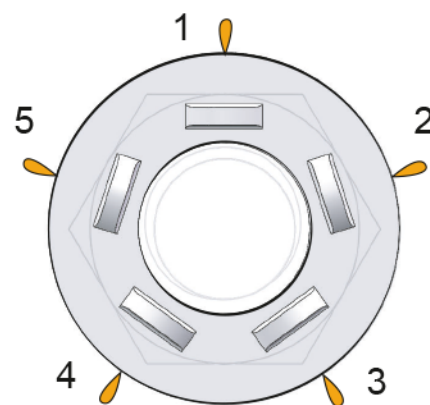
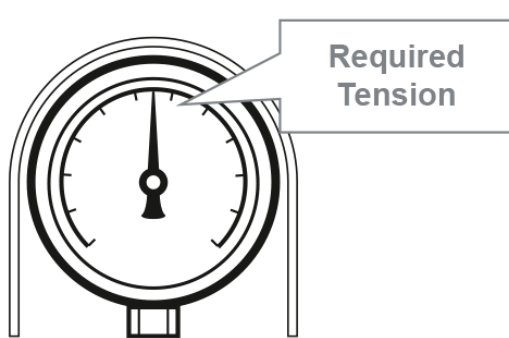
When orange is visible from all bumps, installation and inspection is complete.

SQUIRTER DTI WASHER

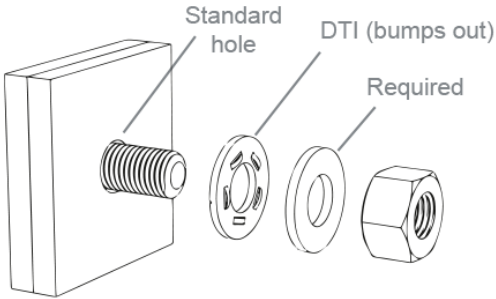
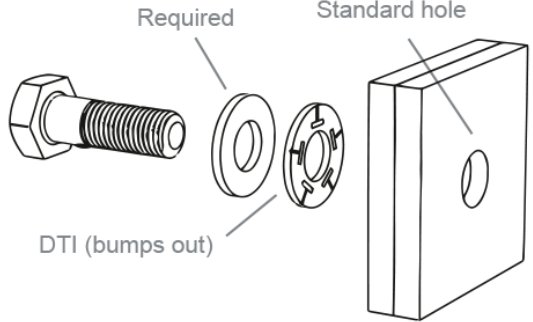
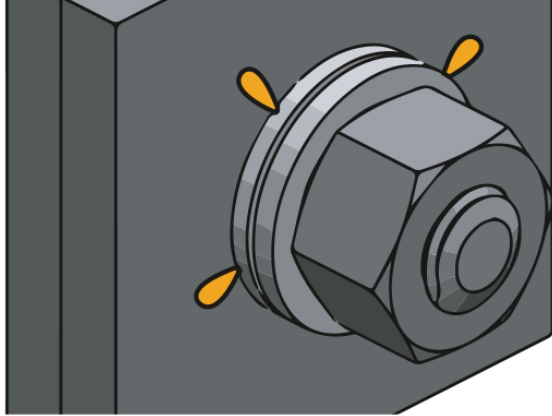
GR8.8 HI-TENSILE / MECHANICAL GALVANISED

TIGHTENING METHOD

Testing

Testing		
1		Assemble hardware in a tension calibrator.
2		Tighten until the Squirter® DTI has orange visible at all bump locations.
3	 Confirm the tension is at or above the requirement.	Completely flat is acceptable after the bumps are compressed and orange material is visible at all the available squirt media locations on the DTI. The visual inspection method is now confirmed for use in the steelwork.

DTI Installation and Inspection

Assemble	
 Recommended	 Alternative
Snug	
Bring the steelwork together before orange is visible at all bump locations.	
Tighten Squirter DTI	
 Tighten until the Squirter® DTI has orange visible at all bump locations.	
Inspect	
Verify Squirter® DTI has orange visible at all bump locations.	

Disclaimer: Whilst all reasonable care is taken in compiling technical data, all information, recommendations, or suggestion regarding the use of products are made without guarantee, since the conditions of use are beyond control of the company. It is customer's responsibility to satisfy that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that, in the light of our continual research and development program the information relating to each product has not been superseded. Allfasteners, its agencies and employees, disclaim any and all liability in respect of anything or the consequences of anything done or omitted to be done in reliance upon the whole or any part of this document.

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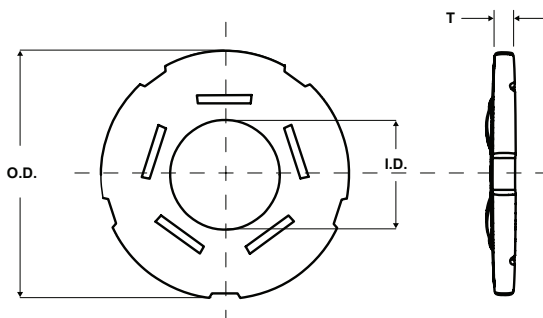
SQUIRTER DTI WASHER

GR8.8 HI-TENSILE / MECHANICAL GALVANISED

SQUIRTER DTI

Direct Tension Indicator Washers |
Gr8.8 Hi-tensile | Mechanical Galvanised

A compressible steel washer manufactured with protrusions on one side, known as a direct tension indicator washer (DTI). When used with structural bolts, the DTI is designed to compress to correlate with bolt tension.



SKU	Item	OD / ID, min.	Thickness, min.	Bumps
1480.0120000	M12 Squirter DTI	25.7 / 13.3mm	2.6mm	4
1480.0160000	M16 Squirter DTI	32.4 / 16.75mm	3.2mm	4
1480.0200000	M20 Squirter DTI	40.4 / 20.95mm	3.6mm	5
1480.0240000	M24 Squirter DTI	48.4 / 25.15mm	4.0mm	5
1480.0300000	M30 Squirter DTI	58.1 / 31.45mm	4.0mm	7
1480.0360000	M36 Squirter DTI	70.1 / 37.75mm	4.8mm	8

