

EJOT® stainless steel bi-met self-drilling fasteners JT3-D-12H-5.5/6.3 x L range



A2 stainless steel bi-met high thread fastener for fixing insulated composite panels to hot rolled steel sections.

Application Features

- Steel profile insulated composite panels to hot rolled steel sections 4.0mm - 12.0mm in thickness
- Can be used in conjunction with S16 and S19 stainless/EPDM and A29 aluminium vulcanised sealing washers
- S16 washed variants can be used in conjunction with the EJOT trapezoidal and sinusoidal storm washers

Material Specification

- High quality stainless steel grade A2 to ISO 3506, EN 1.4301 to ISO 10088, AISI 304
- High quality hardened carbon steel drill point



Performance Details

Ultimate Fastener Tensile Strength

Fastener Diameter	kN
5.5/6.3 x L	11.50 [†]

Ultimate Fastener Shear Strength

Fastener Diameter	kN
5.5/6.3 x L	7.50 [†]

[†]Ultimate value of low thread shown

Ultimate Pullout Load kN

Fastener Diameter	Nominal Steel Thickness (mm)					
	4.00	5.00	6.00	8.00	10.00	12.00
5.5/6.3 x L	9.00	11.50 [*]	-	-	-	-

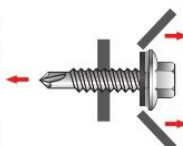
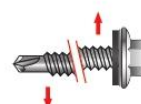
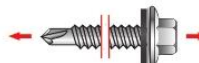
^{*}Mode of failure for ultimate pullout from 5-6mm thickness plus steel is limited by the ultimate tensile strength of the fastener.

Figures based on tests from steel 4.0mm and thicker designated as grade S275 (BS EN 10025), minimum yield strength 275 N/mm².

Ultimate Pullover Load kN

Washer Face	Nominal Steel Thickness (mm)				
		Steel		Aluminium	
	0.50	0.70	0.90	0.70	0.90
S16 Washer	4.20	5.20	5.50	2.00	2.20
S19 Washer	4.50	5.65	6.00	2.40	2.90

Figures based on use with R38 profile steel sheets with fastener located in valley of profile.



Drive Tool

8mm Hex

Self-drilling fastener range

Certifications



ETA-13/0177



Figures shown on this data sheet are based on results obtained from tests carried out in EJOT UK's Applitec laboratory in accordance with equipment conforming to current industry standards, on a random sample of fasteners manufactured to EJOT tolerances. Information supplied should form part of a general guide and should performance data for a specific application be required please do not hesitate to contact us.