

JT2-6-5.5 x L Range

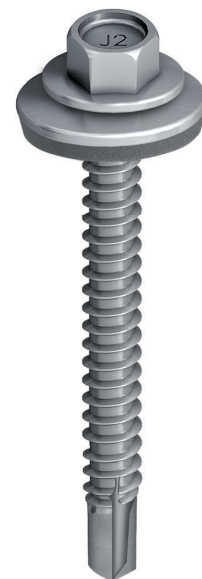
Case hardened carbon steel fastener for fixing roofing or cladding steel sheets to steel substructure having thickness of 1.5-5.0 mm

Application Features

- Fastening profiled steel sheets to 1.5-5.0 mm steel substructure
- Fixing of single skin, On-site insulated and sandwich panels

Material Specification

- Case hardened carbon steel screw with EJOGUARD® coating
- Pre Assembled Alu-Zinc 150 GSM Coated EPDM Bonded Sealing washer for highest compatibility with metal sheet



Technical Data and Application Details

Ultimate Tensile Strength

Fastener Diameter	kN
5.5 x L	13.4

Ultimate Shear Strength

Fastener Diameter	kN
5.5 x L	10

Ultimate Pull out Load kN (Average)

Fastener Diameter	Nominal Steel Thickness (mm)					
	1.50	2.00	2.50	3.00	4.00	5.00
5.5 x L	2.4 kN	2.9 kN	4.8 kN	6.1 kN	8.9 kN	11.3 kN

Ultimate Pull over Load kN (Average)

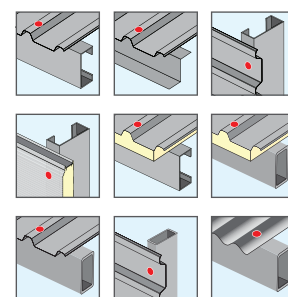
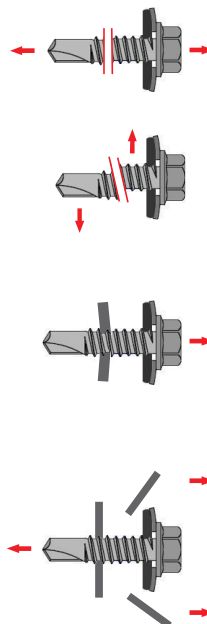
Washer Diameter	Nominal Sheet Thickness (mm)					
	0.50	0.55	0.63	0.75	0.88	1.00
G14	3.9 kN	3.9 kN	4.4 kN	4.7 kN	5.7 kN	6.8 kN
G16	4.4 kN	4.4 kN	4.8 kN	6.7 kN	8.2 kN	9.7 kN
G19	4.8 kN	4.8 kN	5.3 kN	7.4 kN	9.0 kN	10.6 kN

G14,G16,G19- 14mm/16mm/19mm dia Alu-Zinc coated EPDM Bonded Washer

Please note:

Figures are based on tests from the following designated Steel Grades:

1. For Pull-over loads: S320GD to DIN EN 10346 with yield strength > 320 N/mm²
2. For Pull-out loads:
 - a. ≤ 2mm thickness: S320GD to DIN EN 10346 with tensile strength of min. 320 N/mm²
 - b. > 2mm thickness: S355 to DIN EN 10025 with tensile strength of min. 470 N/mm²



Drive Tool

8mm Hex

Self-drilling
Fastener Range

Figures shown on this data sheet are based on results obtained from tests carried out in EJOT Baubefestigungen's Applitec laboratory in accordance with equipment conforming to current industry standards, on a random sample of fasteners manufactured to EJOT tolerances.

The stated values are average ultimate loads. For non-specified applications and construction materials the average ultimate loads may deviate from the values stated herein.

All calculations have to be verified by a structural engineer ahead of execution.