

OPTICORE HS 5.5 x L range

Case hardened steel fastener with engineered integral nylon head for fixing membrane faced sandwich panels to steel sections from 4.0mm - 12.0mm in thickness.

Application Features

- Engineered integral nylon head for rapid coring of the membrane and insulation core for a one step fix of membrane faced sandwich panels
- For steel structures 4.0mm - 12.0mm in thickness

Material Specification

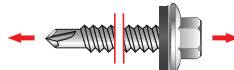
- High quality case hardened low carbon steel manufactured in accordance with BS EN ISO 10666
- Organic corrosion resistant finish
- High impact coloured nylon head, resistant to temperature from -40°C to 120°C



Performance Details

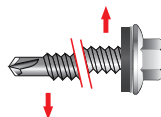
Ultimate Fastener Tensile Strength

Fastener Diameter	kN
5.5 x L	14.50



Ultimate Fastener Shear Strength

Fastener Diameter	kN
5.5 x L	9.60



Ultimate Pullout Load kN

Fastener Diameter	Nominal Steel Thickness (mm)					
	4.00	5.00	6.00	8.00	10.00	12.00
5.5 x L	9.00	11.40	14.50*	-	-	-

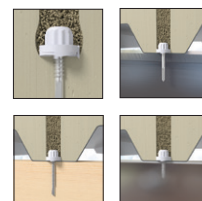
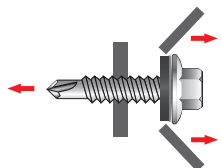
* Mode of failure for ultimate pullout from 5-6mm thickness plus steel is limited by the ultimate tensile strength of the fastener.

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)	
	0.63	0.50
Unwashed	5.70	4.30

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



Drive Tool



Self-drilling fastener range

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.