

Technical Data Sheet

Ref: TDS-01-RF-03

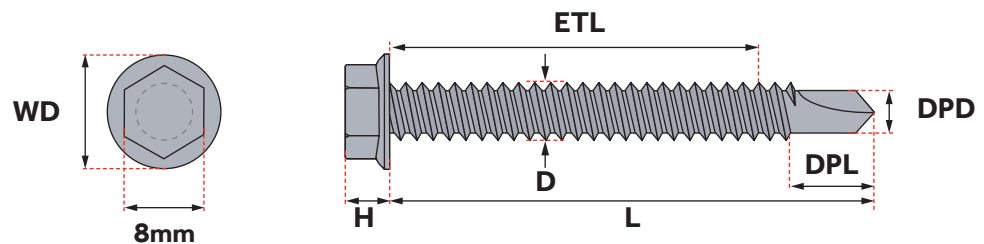
Metal Construction Light Section Screws

Light section steel - Hex - Self Drilling - Bi-Met

Features

- Specifically designed to attach steel to steel (Max. 5mm).
- 8mm hex head for improved driving performance with a socket driver.
- Available with a 16mm EPDM washer to prevent water ingress.
- Self tapping thread.
- No.3 drill point.
- Grade A2-304 austenitic stainless steel.
- Bi-Met screws combine the ultimate corrosion resistance of an A2 stainless steel fastener with the exceptional drilling performance of a hardened carbon steel drill tip.
- Exterior/Silver organic plated for increased corrosion resistance and an aesthetic finish.

Dimensional Data



Product Code	Diameter (D)	Length (L)	Head Height (H)	Fixed Washer Diameter (WD)	Drill Point Diameter (DPD)	Drill Point Length (DPL)	Effective Thread Length (ETL)
BML25	5.5	25	4.4	10.5	4.8	8.5	12.0
BML32	5.5	32	4.4	10.5	4.8	8.5	19.0
BML38	5.5	38	4.4	10.5	4.8	8.5	25.0
BML50	5.5	50	4.4	10.5	4.8	8.5	37.0
BML70	5.5	70	4.4	10.5	4.8	8.5	57.0
BML100	5.5	100	4.4	10.5	4.8	8.5	87.0

For the item with a 16mm EPDM washer please insert W16 after the length, ie BML38W16. The ETL will change slightly if using the item with an EPDM washer (Washer depth 3mm).
All stated figures (mm) are approx and for reference only.

Performance Data

Test material	:	Aluminium 1050A	S275JR steel
Screw diameter	:	5.5	5.5
Test plate thickness	:	2.0 mm	5.0 mm
Rec. Pull out (kN)	:	0.33	4.4

Test data stated is for reference only as this may not represent the actual figures you may achieve in application.

Installation Data

Diameter	:	5.5
RPM	:	1000-1800
Max. Drill capacity	:	5.0 mm

Additional Information

To ensure an effective fixing, thread must be visible behind the supporting steel after application.