



PRODUCT DATA

Metal SDS Bugle Batten Rib

Self Drilling Screw (SDS) #14-10

Applications	
<ul style="list-style-type: none"> Plasterboard into steel frame Light gauge steel frame up to 3mm Timber to metal fixing 	

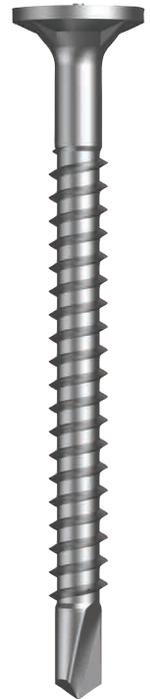
Material	 C1022 Hardened
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Finish	 Class 3
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Pullout Values				
Plate (Purlin)	Metal Plate Thickness (mm)	¹ Mean Load (N)	² Characteristic Load (N)	³ Working Load (N)
G2	0.8	1100	900	350
G2	1.2	2100	1750	700
G550	1.5	4750	4250	1700
G450	2.0	6300	6000	2400
G450	2.5	8000	7350	2950
G2	3.0	8150	7450	3000

Drill Point Test					
Plate (Purlin)	Metal Plate Thickness (mm)	Load (kg)	Drill Speed (RPM)	Drill Time (Max. individual) Seconds	Drill Time (Max. average) Seconds
G450	2.5	24	2200	6	5

14 Gauge Bugle Head Rib



4 ribs assist in countersinking the screw into base material

DECK MASTER[®]

Mechanical Properties				
Torsional Strength (Nm)	¹ Mean Tensile Strength (N)	¹ Mean Shear Strength (N)	² Characteristic Tensile Strength (N)	² Characteristic Shear Strength (N)
14.1	21200	12700	20850	12500

Note: 1000N = 1kN

¹ Mean Load/Strength is the average ultimate strength of samples tested.

² Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

³ Working Load is the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factor of Safety (FOS=2.5 for steel, FOS=2.5 for timber and FOS=3.0 for concrete) are already included.

All values are obtained under laboratory conditions using DRILLX product. Safety factors should be considered for design purposes. Actual pullout loads may differ slightly depending on certain properties of the base material.

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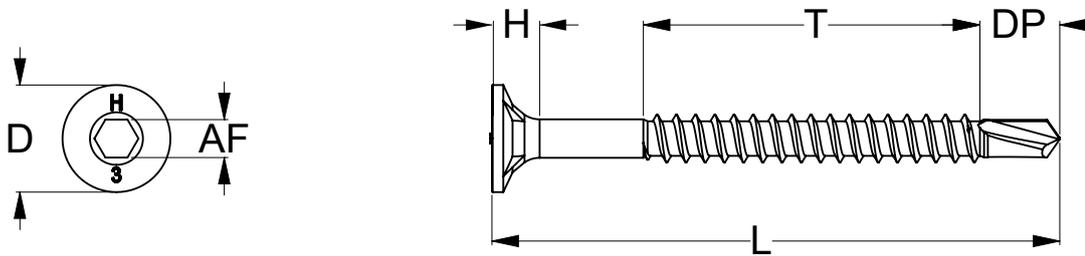




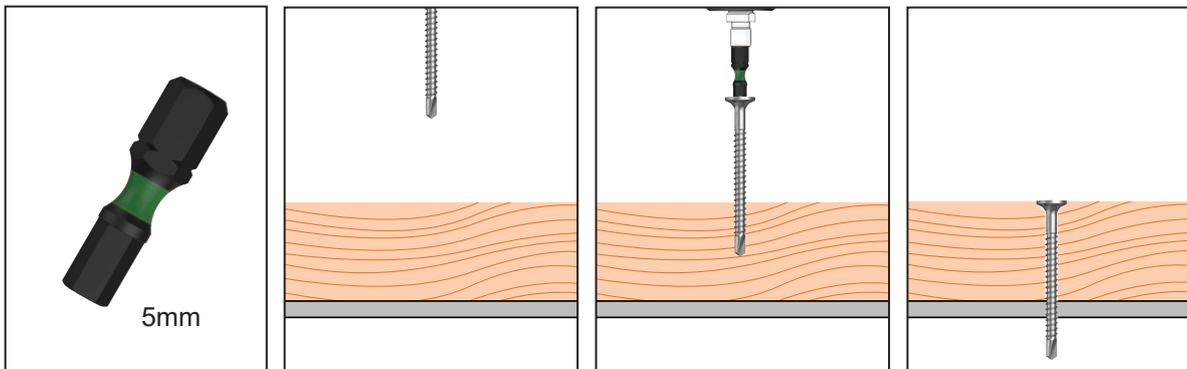
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Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	AF	
T9PM3BH1410050	QB48	14	10	50	20	10	6.5	14	IHEX #5	500
T9PM3BH1410075	QB49			75	40					250
T9PM3BH1410100	QB50			100	40					250



Installation



Recommended
IHEX Size 5mm Drive Bit:

Part	QFind	Length (mm)
TXDIIHXS50025	B346	25

Installation Guide

1. Use a cordless screw driver set between 2,200-3,000 RPM. Fit the IHEX Drive Bit over the screw and place at the fastening position.
2. Apply consistently firm pressure to the screw driver while the screw is drilling.
3. Care should be taken not to over-tighten the screw.

*Installation with impact drivers not recommended.

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