




PRODUCT DATA

Metal SDS 5/16" AF Flanged Hex Head

Applications	
<ul style="list-style-type: none"> • Metal to metal fixing • Wall cladding • Fencing and gates • Sheds • Hinges into metal posts, gates and doors • Stitching for flashings 	

Material	 C1022 Hardened
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Finish	 X9 Coating
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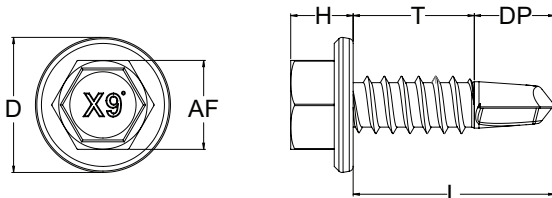


14 Gauge Hex Head

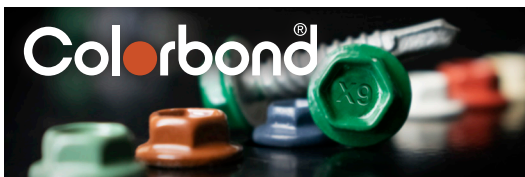
X9 ProteXion coating is suitable for ISO 9223 Category 4 environments.



Dimensions



Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	AF (inch)
T9PM9RH1414022	QH221	14	14	22	15	7.0	6.5	15	HEX 5/16



Refer to our documents online for a complete list of available Colorbond® colours.

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Pullout Values

Plate (Purlin)	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G2	0.8	1100	900	350
G2	1.2	2050	1700	650
G2	1.6	4600	4200	1650
G450	2.0	6000	5650	2250
G450	2.5	7950	7300	2900
G2	3.0	8100	7400	2950

Mechanical Properties

Torsional Strength	¹ Mean Tensile Strength	¹ Mean Shear Strength	² Characteristic Tensile Strength	² Characteristic Shear Strength
(Nm)	(N)	(N)	(N)	(N)
16.9	22400	13450	20850	12500

Drill Point Test

Plate (Purlin)	Metal Plate Thickness	Load	Drill Speed	Drill Time	Drill Time
	(mm)	(kg)	(RPM)	(Max. individual) Seconds	(Max. average) Seconds
G450	2.0	24	2200	4	3

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. 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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Installation

1. Use a cordless screw gun set between 2,200–3,000 RPM. Fit the HEX 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.

Recommended for use with:

MAGNETIC NUT SETTER S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPNSS31045	BA18	45
TXDIPNSS31065	B090	65



Recommended
HEX 5/16 Magnetic
Nut Setter

MAGNETIC NUT SETTER S2 ALLOY STEEL BLACK / STANDARD DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDDPNSS31045	B025	45
TXDDPNSS31065	B050	65
TXDDPNSS31100	B060	100
TXDDPNSS31150	B075	150



Recommended
HEX 5/16 Magnetic
Nut Setter

SPRING NUT SETTER S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPSS31065	BA48	65
TXDIPSS31150	BA49	150



Recommended
HEX 5/16 Spring
Nut Setter

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