

# PRODUCT DATA

## BDX Metal SDS Flanged Hex Head

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

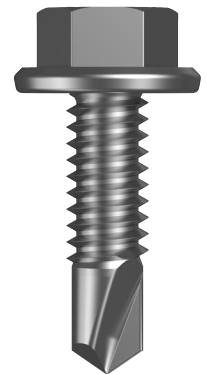


<b>Material</b>	C1022 Hardened
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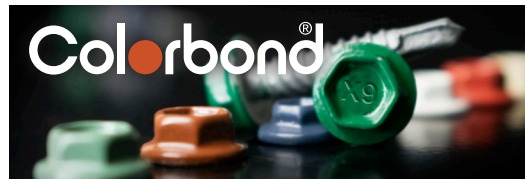
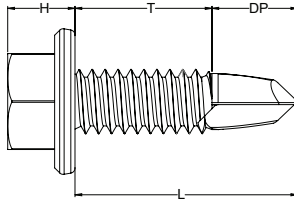
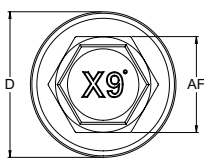
## 14 Gauge Hex Head

<b>Finish</b>	X9 Coating
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X9 ProteXion coating is suitable for ISO 9223 Category 4 environments.



### Dimensions



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

[hobson.com.au](http://hobson.com.au)

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)
T9PM9FH1420022	QH254	14	20	22	13.5	8.5	6.5	15	HEX 3/8
T9PM9FH1420025	QH255	14	20	25	16.5	8.5	6.5	15	HEX 3/8
T9PM9FH1420045	QH738	14	20	45	36.5	8.5	6.5	15	HEX 3/8

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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### Pullout Values

Plate (Purlin)	Metal Plate Thickness	<sup>1</sup> Mean Load	<sup>2</sup> Characteristic Load	<sup>3</sup> Working Load
	(mm)	(N)	(N)	(N)
G2	0.8	1000	800	300
G2	1.2	1750	1550	600
G550	1.6	3550	2950	1200
G450	2.0	4600	4150	1650
G450	2.5	7900	7200	2850
G2	3.0	6700	5700	2300

### Mechanical Properties

Torsional Strength	<sup>1</sup> Mean Tensile Strength	<sup>1</sup> Mean Shear Strength	<sup>2</sup> Characteristic Tensile Strength	<sup>2</sup> Characteristic Shear Strength
(Nm)	(N)	(N)	(N)	(N)
17.6	23000	13800	21500	12900

### 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	2.5	24	2200	6	5

Note: 1000N = 1kN

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

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

<sup>3</sup> 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)
TXDIPNSS37045	BA22	45
TXDIPNSS37065	B095	65
TXDIPNSS37150	BA23	150



Recommended  
HEX 3/8 Magnetic  
Nut Setter

SPRING NUT SETTER S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPSS37065	BA50	65
TXDIPSS37150	BA51	150



Recommended  
HEX 3/8 Spring  
Nut Setter

MAGNETIC NUT SETTER S2 ALLOY STEEL BLACK / STANDARD DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDDPNSS37045	B030	65
TXDDPNSS37065	B055	150



Recommended  
HEX 3/8 Magnetic  
Nut Setter

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