

PRODUCT DATA

BDX Metal SDS Flanged Hex Head

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Applications

- Metal to metal fixing
- Wall cladding
- Fencing and gates
- Sheds
- Hinges into metal posts, gates and doors
- Signage
- Fixing of mesh gutter guard

Material



C1022 Hardened

Finish

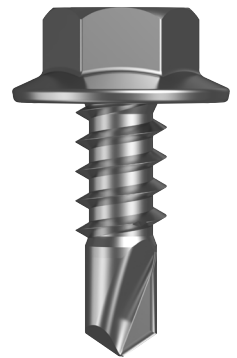


X9 Coating

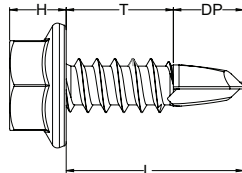
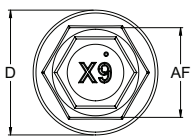
BDX

8 Gauge Hex Head

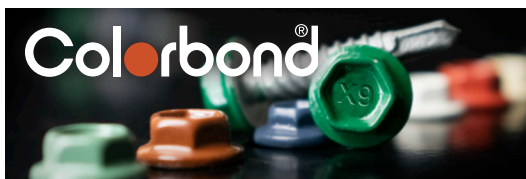
X9 ProteXion coating
is suitable for **ISO 9223**
Category 4 environments.



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)
T9PM9FH0818012	QH173	8	18	12	7	5	4.5	10	HEX 1/4



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	0.7	950	800	300
G2	1.0	1550	1400	550
G550	1.5	3650	3150	1250
G450	2.0	4800	4150	1650
G450	2.5	6400	5450	2200

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)
4.7	8050	4850	6750	4050

Drill Point Test

Plate (Purlin)	Metal Plate Thickness	Load	Drill Speed	Drill Time	Drill Time
	(mm)	(kg)	(RPM)	(Max. individual) Seconds	(Max. average) Seconds
G550	1.5	18	2200	4.5	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 / STANDARD DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDDPNSS25045	B020	45
TXDDPNSS25065	B045	65



Recommended
HEX 1/4 Magnetic
Nut Setter

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