

PRODUCT DATA

BDX Metal Hex, Washer and XGRiP®

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Applications

- Metal to metal fixing
- Fixing roofing profiles and wall cladding to steel purlins and battens
- Crest fixing
- Metal roofing

Material



C1022 Hardened

Finish



X9 Coating

BDX®

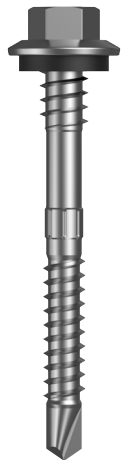

XGRiP



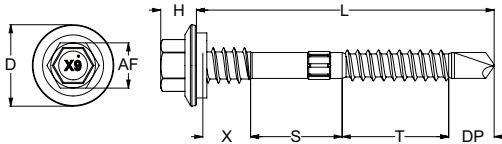
Scratchguard

12 Gauge Hex Head

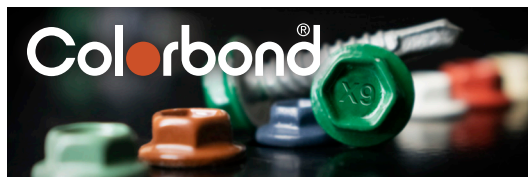
X9 ProteXion coating is suitable for ISO 9223 Category 4 environments.



Dimensions



Part	QFind	Gauge	TPI	Length	Thread Length	Shank Length	Drill Point Length	XGRiP® Thread Length	Head Height	Head ø	Drive Size
				L (mm)	T (mm)	S (mm)	DP (mm)	X (mm)	H (mm)	D (mm)	AF (inch)
T9PM9XS1214048	QH305	12	14	48	22	10.5	7.5	8	6	14	HEX 5/16
T9PM9XS1214055	QH306	12	14	55	26	13.5	7.5	8	6	14	HEX 5/16
T9PM9XS1214068	QH308	12	14	68	28	24.5	7.5	8	6	14	HEX 5/16
T9PM9XS1214080	QH309	12	14	80	40	24.5	7.5	8	6	14	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	1.1	1650	1400	550
G450	2.0	5000	4650	1850
G450	2.5	6900	6200	2500
G450	3.8	10350	9600	3850

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)
10.9	16450	9900	13800	8300

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	18	2200	3.5	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 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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