

PRODUCT DATA

BDX Metal Hex Head, Washer and XGRIP®

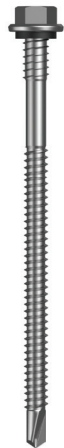
Applications	
•	Fastening insulated roofing panels to steel
•	Crest fixing
•	Suitable for all roofing profiles
•	Metal to metal fixing
•	Metal roofing
•	Sheds

BDX®



14 Gauge Hex Head

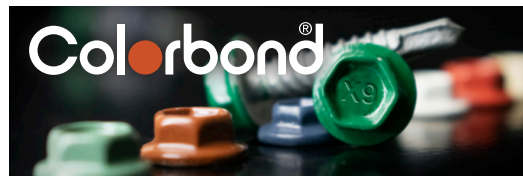
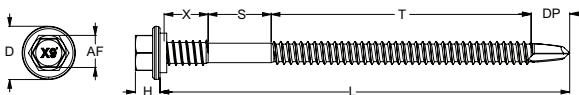
X9 ProteXion coating is suitable for ISO 9223 Category 4 environments.



Material	C1022 Hardened
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Finish	X9 Coating
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Dimensions



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

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Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Shank Length	XGrip® Thread Length	Head Height	Head ø	Drive Size
					L (mm)	T (mm)	DP (mm)	S (mm)	X (mm)	H (mm)	D (mm)
T9PM9XH1414110	QHA20	14	14	110	70	10	14	16	6.5	15	HEX 3/8
T9PM9XH1414125	QHA21	14	14	125	70	10	29	16	6.5	15	HEX 3/8
T9PM9XH1414150	QHA22	14	14	150	70	10	54	16	6.5	15	HEX 3/8
T9PM9XH1414175	QHA23	14	14	175	70	10	79	16	6.5	15	HEX 3/8
T9PM9XH1414205	QHA24	14	14	205	70	10	109	16	6.5	15	HEX 3/8
T9PM9XH1414230	QHA25	14	14	230	70	10	134	16	6.5	15	HEX 3/8
T9PM9XH1414300	QHA26	14	14	300	70	10	204	16	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	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G2	0.7	1150	1000	400
G2	1.1	2050	1850	750
G2	1.5	4600	4200	1700
G450	1.9	6000	5650	2250
G450	2.4	8700	8300	3300
G2	2.9	8000	7500	3000

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	21800	13100	16150	9700

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	1.9	18	2200	6	5

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)
TXDDPNSS37045	B030	45
TXDDPNSS37065	B055	65



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	50
TXDIPSS37150	BA51	75



Recommended
HEX 3/8 Spring
Nut Setter

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

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