

PRODUCT DATA

BDX Metal SDS Hex Head and Washer

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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

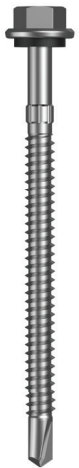


X9 Coating

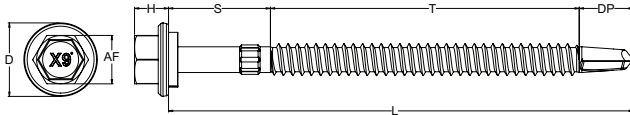
BDX


14 Gauge Hex Head

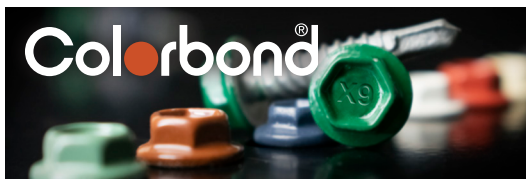
X9 ProteXion coating is suitable for ISO 9223 Category 4 environments.



Dimensions



Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Shank Length	Head Height	Head ø	Drive Size
				L (mm)	T (mm)	DP (mm)	S (mm)	H (mm)	D (mm)	AF (inch)
T9PM9SS1414090	QH350	14	14	90	60	10	20	6.5	15	HEX 3/8
T9PM9SS1414115	QH260	14	14	115	75	10	30	6.5	15	HEX 3/8
T9PM9SS1414150	QH270	14	14	150	100	10	40	6.5	15	HEX 3/8



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	1150	1000	400
G2	1.0	2050	1850	750
G2	1.5	4600	4200	1650
G450	2.0	6000	5650	2250
G2	2.5	8000	7500	3000
G450	3.0	8700	8300	3300

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	20700	12400

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	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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260505-IDS

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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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