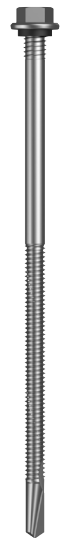


PRODUCT DATA

BDX S500 Hex Head, Washer and XGRiP®

Applications	
•	Extended drill point and fine pitch (20 TPI) thread allows self-drilling in metal up to 12 mm in thickness
•	Fastening insulated roofing panels to steel
•	Crest fixing
•	Thick steel purlins and hot rolled steel
•	Suitable for all roofing profiles
•	Shed

BDX®



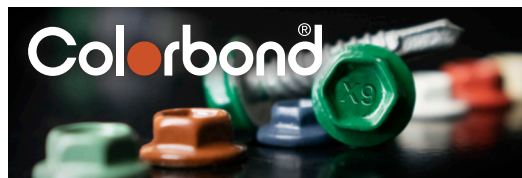
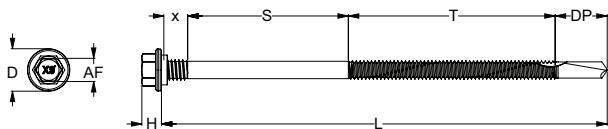
Material	C1022 Hardened
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14 Gauge Hex Head

Finish	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

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)	AF (inch)
T9P59XH1420150	QHA28	14	20	150	70	16	56	8	7	15	HEX 3/8
T9P59XH1420200	QHA29	14	20	200	70	16	106	8	7	15	HEX 3/8
T9P59XH1420250	QHA36	14	20	250	70	16	156	8	7	15	HEX 3/8
T9P59XH1420300	QHA37	14	20	300	70	16	206	8	7	15	HEX 3/8

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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PRODUCT DATA

BDX S500 Hex Head, Washer and XGRiP®

Pullout Values

Plate (Purlin)	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G450	2	5600	4700	1900
G450	3	11950	10350	4150
G450	5	19050	14750	5900
G450	8	20000	16650	6650
HRS	5	19500	18650	7450
HRS	6	23050	22350	8950
HRS	8	23050	22350	8950

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	23050	13850	22350	12800

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

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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PRODUCT DATA

BDX S500 Hex Head, Washer and XGRIP®

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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