PRODUCT DATA

BDX S500 Cyclone — Multiseal

Applications
• Metal to metal fixing • Thick steel purlins and hot rolled steel • Fixing roofing profiles and wall cladding to hot and cold rolled steel • Sheds • Metal roofing • Crest fixing

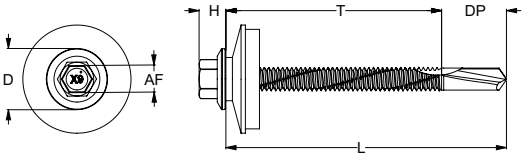
Material	1022 C1022 Hardened
Finish	X9 X9 Coating

12 Gauge Hex Head

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



Dimensions





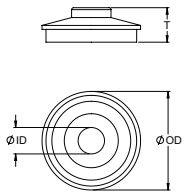
Refer to our documents online for a complete list of available Colorbond® colours.

hobson.com.au

Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	AF (inch)
T9P59YE1224050	**QH450**	12	24	50	35	15	6.5	14	HEX 5/16
T9P59YE1224065	**QH451**	12	24	65	50	15	6.5	14	HEX 5/16

Washer Dimensions

Outer Diameter	Inner Diameter	Thickness
OD (mm)	ID (mm)	T (mm)
25	6.5	11.5



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Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]Working Load
	(mm)	(N)	(N)	(N)
G450	2	4250	3550	1400
G2	3	5900	5600	2250
HRS	5	14550	13450	5350
HRS	6	17350	16650	6650

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)
11.3	17600	10550	17000	10200

Drill Point Test

Plate (Purlin)	Metal Plate Thickness	Load	Drill Speed	Drill Time	Drill Time
	(mm)	(kg)	(RPM)	(Max. individual) Seconds	(Max. average) Seconds
CRS	8	27	2200	10	7

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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