

PRODUCT DATA

BDX Metal SDS Flat Head

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Applications

- Ideal for steel frame connection with plasterboard
- Low profile head eliminates bulging of plasterboard
- Suits light gauge steel stud connections where there are no pre-punched holes
- Recommended for use in confined areas
- Brackets, sheet metal, signage, conduit, and pipe saddle

Material



C1022 Hardened

Finish

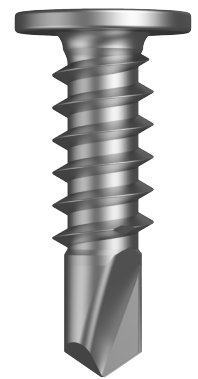


X9 Coating

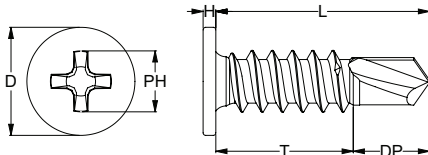
BDX

10 Gauge Flat Head

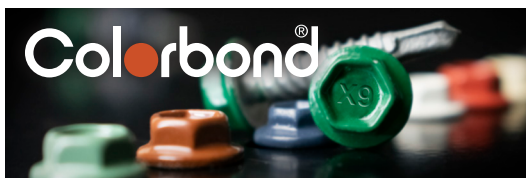
X9 ProteXion coating is suitable for ISO 9223 Category 4 environments.



Dimensions



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)	PH (size)
T9PM9LP1016016	QH422	10	16	16	10.3	5.7	1	8	PH #2



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	0.7	1050	900	350
G2	1.1	1750	1600	650
G550	1.5	3900	3600	1400
G450	1.9	5300	4000	1500
G450	2.5	5650	4450	1800

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)
6.9	9600	5750	8250	4950

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	15	2200	3	2.5

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 Phillips 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:

DOUBLE ENDED PHILLIPS S2 ALLOY STEEL / STANDARD DRIVE BIT 1/4		
Part	QFind	Length
		(mm)
TXDDDPHS20045	B921	45
TXDDDPHS20065	B922	65



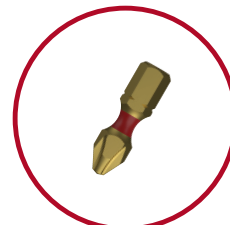
Recommended
PH #2 Double Ended
Phillips

POWER PHILLIPS S2 ALLOY STEEL / STANDARD DRIVE BIT 1/4		
Part	QFind	Length
		(mm)
TXDDPPHS20050	B315	50
TXDDPPHS20075	B317	75
TXDDPPHS20100	B325	100
TXDDPPHS20150	B330	150



Recommended
PH #2 Power
Phillips

INSERT PHILLIPS S2 ALLOY TITAN / TITANIUM NITRIDE DRIVE BIT 1/4		
Part	QFind	Length
		(mm)
TXDTIPHS20025	B235	25



Recommended
PH #2 Insert
Phillips

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