T9PMZBP0620030

PRODUCT DATA

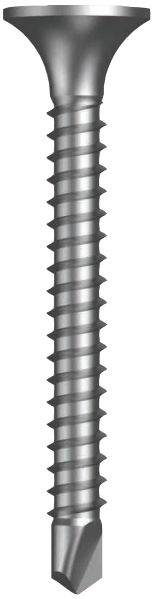
Metal SDS Bugle Head Zinc Plated

Self Drilling Screw (SDS) #06-20

Applications

- Lightweight materials to steel framing
- Plasterboard into steel frame
- Light gauge steel frame up to 3mm
- Ceilings

6 Gauge Bugle Head



Material	1022 C1022 Hardened
Finish	Z/P Zinc Plated (RoHS Compliant)

Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]Working Load
	(mm)	(N)	(N)	(N)
G550	0.5	750	550	200
G2	0.7	800	650	250
G2	1.2	1300	1200	450
G550	1.6	2500	2000	800

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	1.5	18	2200	4.5	3.0

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)
2.7	7400	4450	6400	3850

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.

DRiLLX®

All values are obtained under laboratory conditions using DRiLLX product. 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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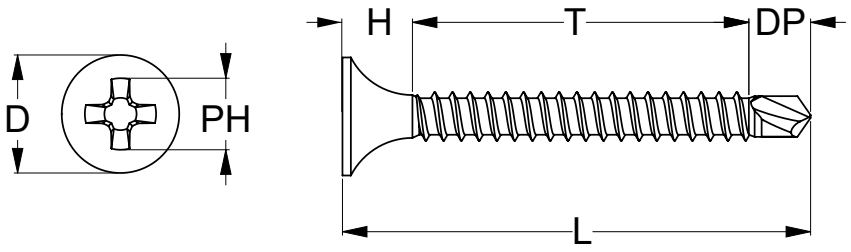
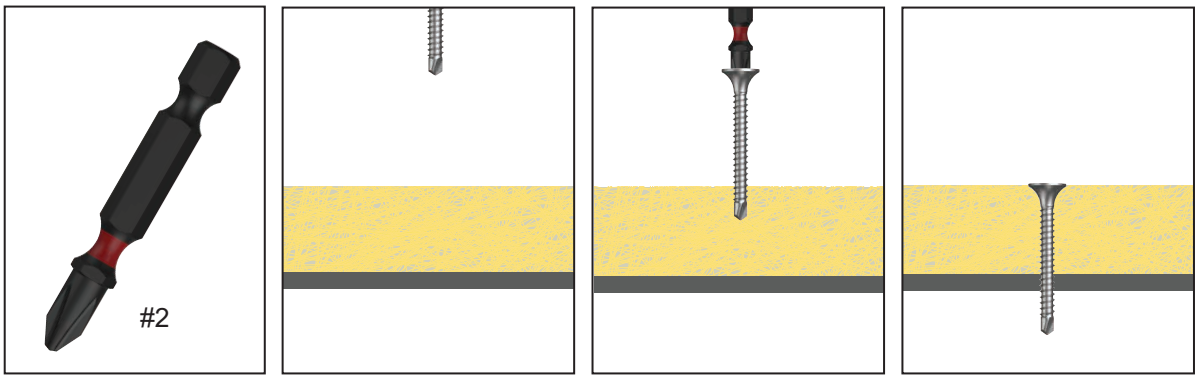
Part	QFind	Gauge	TPI	Length	Head Height	Thread Length	Drill Point Length	Head ø	Drive Size	Pack Qty
				L (mm)	H (mm)	T (mm)	DP (mm)	D (mm)	PH	
T9PMZBP0620030	**Q513**	6	20	30	6	22	4.5	8.4	Phillips #2	1000



Installation



Recommended
Phillips Size #2 Drive Bit:

Part	QFind	Length
		(mm)
TXDIPPHS20050	B316	50
TXDIPPHS20075	BA27	75
TXDIPPHS20100	B326	100
TXDIPPHS20150	B331	150

Installation Guide

1. Use a cordless screw driver 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.