



PRODUCT DATA

Metal SDS Flat Head Phillips

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Metal to metal fixing where a low head profile is required

Applications

- Ideal for steel frame connection with plasterboard
- Low profile head eliminates bulging of plasterboard
- Suits light gauge steel stud connections
- Recommended for use in confined areas
- Examples: brackets, sheet metal, signage, conduit and pipe saddles

Material

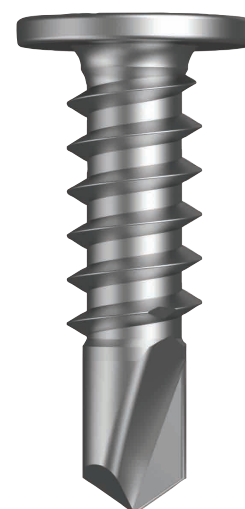
1022 SAE1022

Finish

CL3 Class 3



DRILLX®



Pullout Values

Plate Material	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G2 Purlin	0.7	1050	900	350
G2 Purlin	1.1	1750	1600	650
G550 Purlin	1.5	3900	3600	1400
G450 Purlin	1.9	5300	4000	1500
G450 Purlin	2.5	5650	4450	1800

Part	Drill Point Test					Mechanical Properties				
	Plate Type	Load	Drill Speed	Drill Time	Drill Time	Torsional Strength	¹ Mean Tensile Strength	¹ Mean Shear Strength	² Characteristic Tensile Strength	² Characteristic Shear Strength
	(mm)	(kg)	(RPM)	(Max. individual Seconds)	(Max. average Seconds)	(Nm)	(N)	(N)	(N)	(N)
T9PM3LP1016016	1.9 G450	15	2200	4	3	6.9	9600	5750	8250	4950

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 and FOS=3.0 for concrete) are already included.

All values are obtained under laboratory conditions using DRILLX® product. Safety factors should be considered for design purposes. Actual pull out loads may differ depending on certain properties of the base material.

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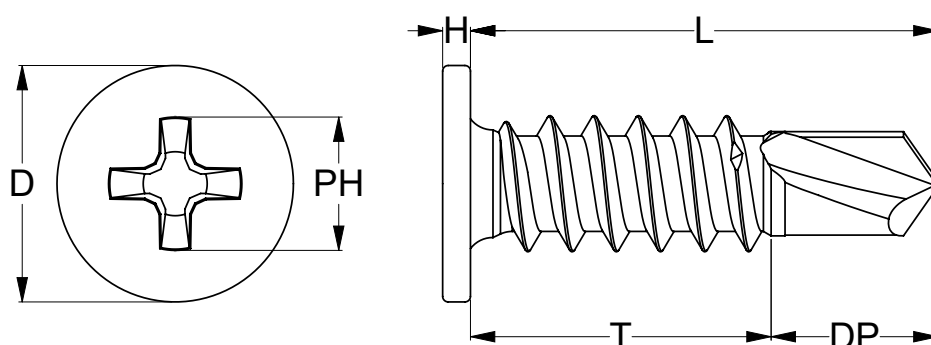


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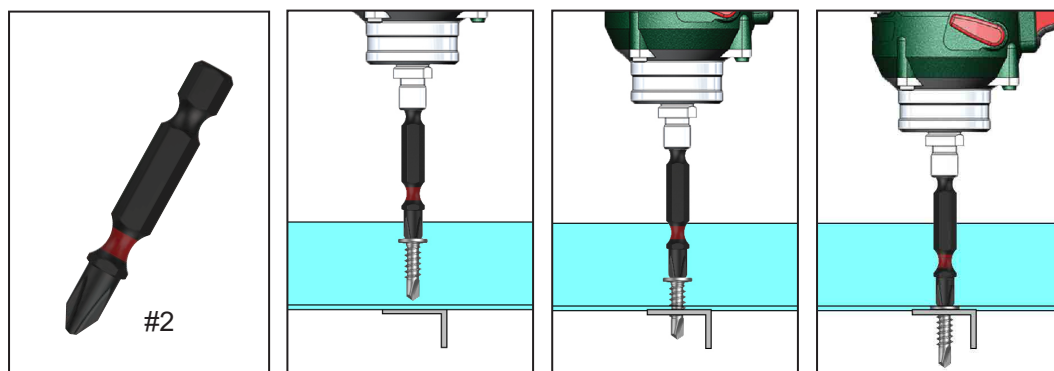
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Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	PH (size)	
T9PM3LP1016016	Q422	10	16	16	9.3	5.7	0.7	8.0	Phillips #2	1000



Installation



Recommended
Phillips #2 Drive Bit:

TXDIPPHS20050 - 50mm
TXDIPPHS20075 - 75mm
TXDIPPHS20100 - 100mm
TXDIPPHS20150 - 150mm

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 overtighten the screw.

*Installation with impact drivers not recommended.

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