T9PMYCP1024

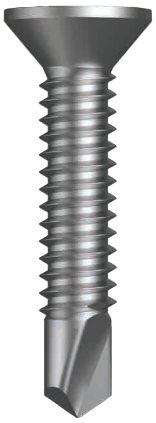
PRODUCT DATA

Metal SDS Countersunk

Self Drilling Screw (SDS) #10-24

Applications
• Fixing timber battens to purlins • Timber cladding • Fencing and gates • Signage

10 Gauge Countersunk Head



Material	1022 C1022 Hardened
Finish	ZYP Zinc Yellow Passivate

Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]Working Load
	(mm)	(N)	(N)	(N)
G2	0.7	850	650	250
G2	1.2	1500	1300	500
G550	1.5	3300	3050	1200
G450	2.0	4300	3850	1550
G450	2.5	6400	6000	2400

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	2.4	18	2200	5	3.5

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)
7.3	13250	7950	12400	7450

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 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.

DRiLLX®

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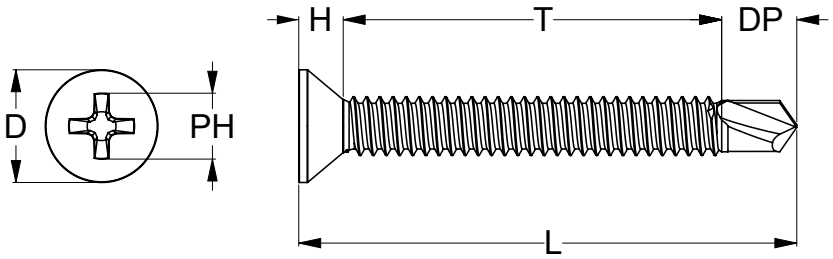
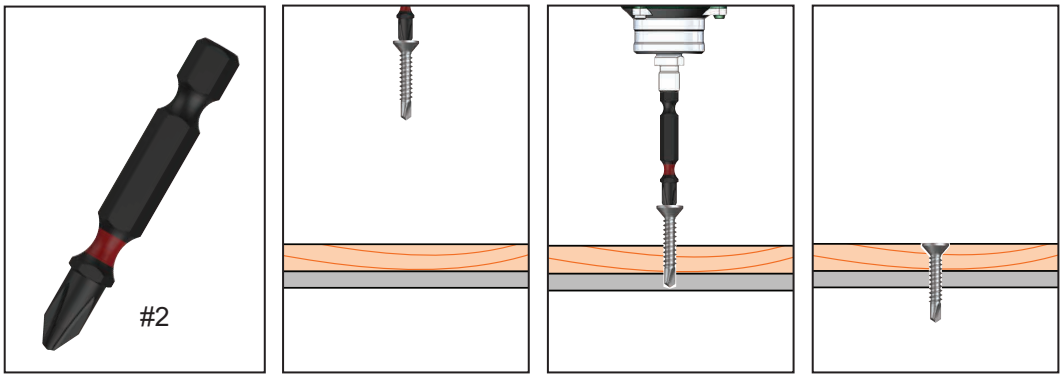
Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head Height	Head ø	Drive Size	Pack Qty
				L (mm)	T (mm)	DP (mm)	H (mm)	D (mm)	PH (size)	
T9PMYCP1024025	**QA14**	10	24	25	15	6	4	9	Phillips #2	1000
T9PMYCP1024030	**Q460**			30	20					1000
T9PMYCP1024040	**Q462**			40	30					1000
T9PMYCP1024050	**Q464**			50	40					500
T9PMYCP1024065	**Q466**			65	40					500



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.