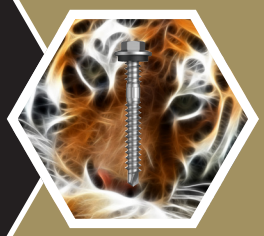
PRODUCT DATA



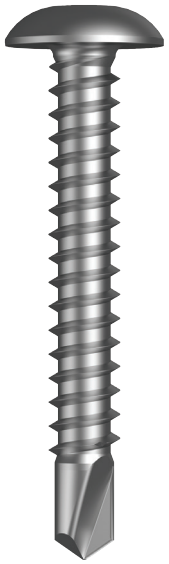
Bi-Metal SDS Pan Head

Self Drilling Screw (SDS) #12-14

Applications
• Metal to metal fixing • Ideal for corrosive conditions • Cladding metal sheet • Signs, Fences, Sheds

Material	B304 Bi-Metal 304 Stainless
Finish	R10 R1000 Hours Protective Coating

12 Gauge Pan Head



Pullout Values

Plate (Purlin)	Metal Plate Thickness	[1]Mean Load	[2]Characteristic Load	[3]Working Load
	(mm)	(N)	(N)	(N)
G2	1.2	1400	1150	450
G550	1.5	2900	2500	1000
G450	2.0	4200	3550	1400
G450	2.5	5400	4650	1850
G2	3.0	5650	5250	2100

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	2.0	18	2200	5.5	4

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)
10.9	11200	6700	10350	6200

Note: 1000N = 1kN

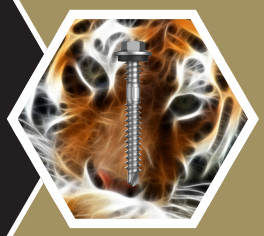
[1] Mean Load/Strength is the average ultimate strength of samples tested.

[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.

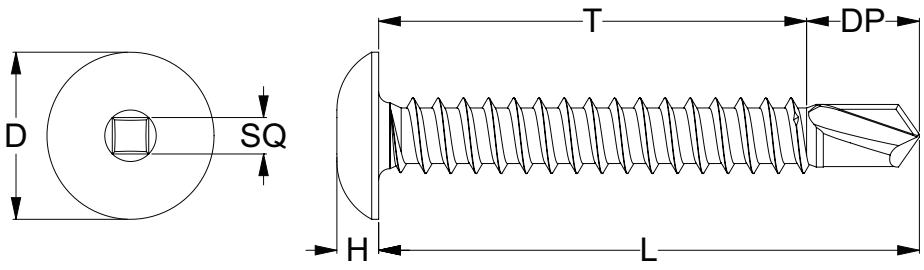
All values are obtained under laboratory conditions using DRiLLX product. Safety factors should be considered for design purposes. Actual pullout loads may differ slightly depending on certain properties of the base material.

PRODUCT DATA

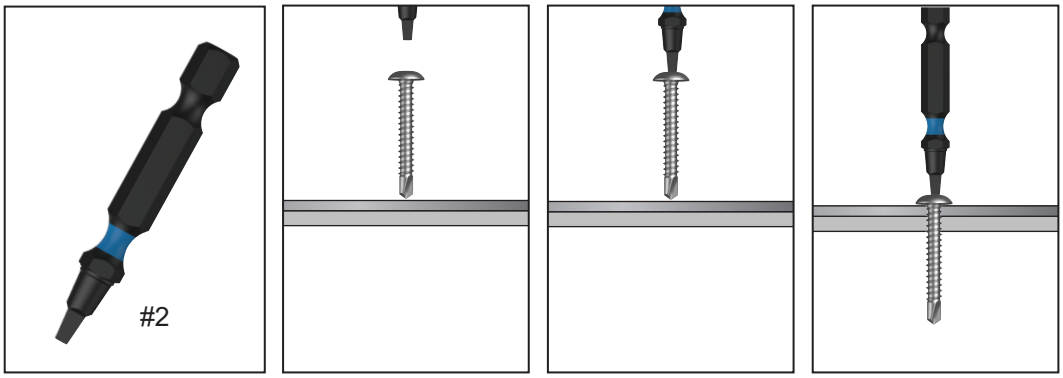


Bi-Metal SDS Pan Head

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)	SQ #
T4XMXPQ1214038	**Q960**	12	14	38	31.5	6.5	3.0	11.7	2



Installation



Recommended
Hobson Square #2 Drive Bit:

Part	QFind	Length
		(mm)
TXDIPSQS20050	B371	50
TXDIPSQS20100	B375	100
TXDIPSQS20150	B380	150

Installation Guide

1. Use a cordless screw driver set between 2,200-3,000 RPM. Fit the Square Drive Bit over the screw and place at the fastening position.
2. Consistently apply firm pressure to the screw driver while drilling.
3. Take care not to overtighten the screw.

*Installation with impact drivers not recommended.