



PRODUCT DATA

Metal SDS Undercut 410 Stainless Phillips

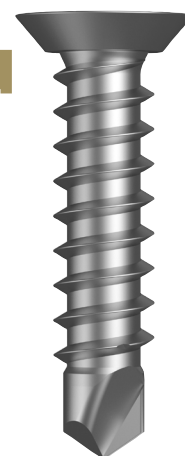
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Description

Martensitic 410 stainless steel drilling screw with undercut head that allows it to sit flush in thin metal plates such as hinges or brackets without bottoming out

DRILLX®

10 Gauge Undercut Phillips Head



Applications

- Brackets
- Hinges into metal without pre-drilling
- Thin metal plates where flush finish is important

Material



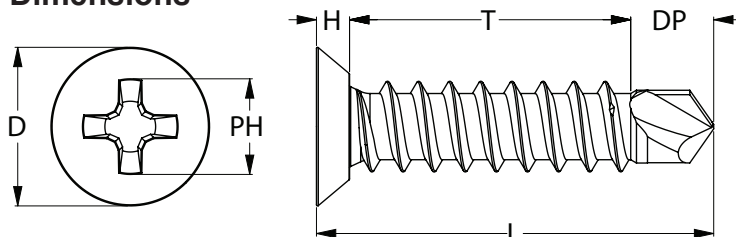
410 Stainless Steel

Finish



410 Stainless Steel

Dimensions



Part	QFind	Gauge	TPI	Length	Thread Length	Drill Point Length	Head ø	Head Height	Drive Size
				L (mm)	T (mm)	DP (mm)	D (mm)	H (mm)	PH
T41MSDP1016012	QT137	10	16	12	6	4	9.0	2	Phillips #2
T41MSDP1016018	QT138			18	12				
T41MSDP1016022	QT151			22	16				

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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	0.5	650	550	200
G450	1.5	4200	3850	1550
G450	2.9	7200	6350	2500

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	10750	6450	9150	5450

Note: 1000N = 1kN

¹ Mean Load/Strength: 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: the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factors 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® products. Safety factors should be considered for design purposes. Actual pullout loads may differ depending on certain properties of the base material.

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Installation

1. Use a cordless screw driver set at max. 2200–3000 RPM. Fit the Phillips Drive Bit over the screw and place at the fastening position.
2. Consistently apply firm pressure to the screw driver while the screw is drilling.
3. Take care not to overtighten the screw.

*Installation with impact drivers is not recommended.

Recommended for use with:

POWER PHILLIPS S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length
		(mm)
TXDIPPHS20050	B316	50
TXDIPPHS20075	BA27	75
TXDIPPHS20100	B326	100
TXDIPPHS20150	B331	150



Recommended
Phillips #2 Drive Bit

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