PRODUCT DATA

Metal SDS Countersunk

HOBSON ENGINEERING

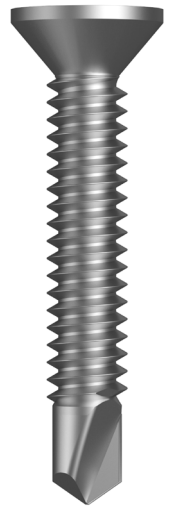### Description

Countersunk self-drilling screw with square drive for drilling into metal and ensuring better resistance to cam outs over Phillips drives.
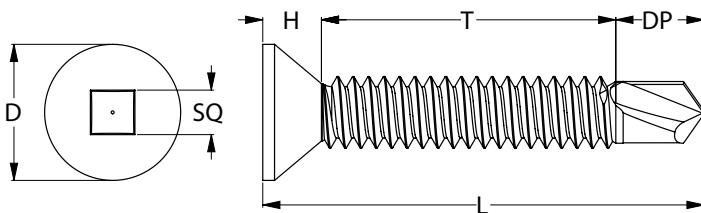
DRiLLX®

10 Gauge Countersunk Head

Applications
• Sheds
• Signage
• Fences and gates
• Wall cladding sheds
• Hinges into metal posts

Material	1022	C1022 Hardened

Finish	CL3	Class 3

Dimensions

250106DS

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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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
T9PM3CQ1024030	**QT152**	10	24	30	19.5	6.5	4	9	SQ #2
T9PM3CQ1024040	**QT157**	10	24	40	29.5	6.5	4	9	SQ #2
T9PM3CQ1024050	**QT153**	10	24	50	39.5	6.5	4	9	SQ #2
T9PM3CQ1024065	**QT154**	10	24	65	54.5	6.5	4	9	SQ #2

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	1.1	1500	1300	500
G550	1.5	3300	3050	1200
G450	2.0	4300	3850	1550
G450	2.5	6400	6000	2400

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: 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.

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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Installation

1. Use a cordless screw driver set at max. 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.

Recommended for use with:

POWER SQUARE S2 ALLOY STEEL / STANDARD DRIVE BIT 1/4		
Part	**QFind**	**Length**
		(mm)
TXDDISQS20025	QD11	25
TXDDPSQS20050	B370	50
TXDIISQS20025	B365	25
TXDIPSQS20050	B371	50
TXDIPSQS20100	B375	100
TXDIPSQS20150	B380	150

SQ #2
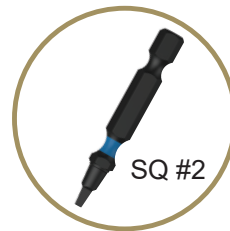
Recommended
Square #2 Drive Bit

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