



PRODUCT DATA

Metal SDS Flanged 550 Stainless Wafer Head

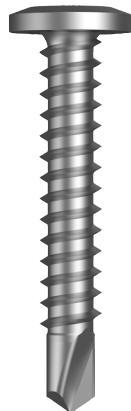
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Description

Made from specially formulated high-hardness martensitic stainless steel for effective self-drilling combined with a higher chromium level for corrosion resistance equivalent to 304. These wafer head screws are for metal-to-metal fixing where a low-profile head is required.



10 Gauge Wafer Head

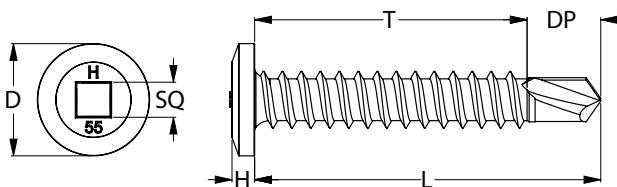


Applications	
<ul style="list-style-type: none"> Marine Areas with high pollution levels Where enhanced corrosion resistance is required Suitable for general fixing of metal to metal Used in stainless steel sheeting without pre-drilling 	

Material	 550 Stainless
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Finish	 550 Stainless
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Dimensions



Part	QFind	Gauge	TPI	Length	Thread Length	Head Height	Head Ø	Drill Point	Drive Size
				L (mm)	T (mm)	H (mm)	D (mm)	DP (mm)	SQ
T55MSWQ1016016	QT147	10	16	16	10	1.8	9.3	6.5	SQ #2
T55MSWQ1016030	QT149	10	16	30	24	1.8	9.3	6.5	SQ #2
T55MSWQ1024022	QT148	10	24	22	16	1.8	9.3	6.5	SQ #2

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Pullout Values

Plate Material	Metal Plate Thickness	¹ Mean Load	² Characteristic Load	³ Working Load
	(mm)	(N)	(N)	(N)
G2	0.5	600	500	200
G450	1.5	4350	3950	1550
G450	2.9	7100	6050	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)
6.9	15050	9000	13850	8300

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 screwdriver set at max. 2200–3000 RPM. Fit the Square Drive Bit over the screw and place at the fastening position.
2. Consistently apply firm pressure to the screwdriver 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 BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPSQS20050	B371	50
TXDIPSQS20100	B375	100
TXDIPSQS20150	B380	150



Recommended
Square #2 Drive Bit



Recommended
Square #2 Drive Bit



Recommended
Square #2 Drive Bit



Recommended
Square #2 Drive Bit

INSERT SQUARE S2 ALLOY STEEL / STANDARD DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDDISQS20025	QD11	25

INSERT SQUARE S2 ALLOY STEEL / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIISQS20025	B365	25

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