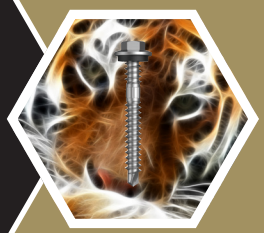
PRODUCT DATA



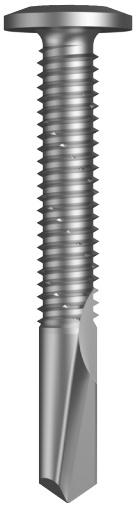
S500 SDS Wafer Head

Description

Hobson Bi-FiX combines 316 stainless head and body for high corrosion resistance with a heat-treated carbon steel drilling point for fast drilling directly into metal. The screws are then coated with a metallic zinc layer and then a second baked top coat for additional corrosion protection and lubrication.

DRILLX®

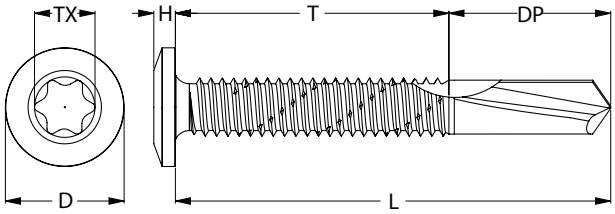
12 Gauge Wafer Head



Applications
• Ideal for marine and corrosive environments • Suitable for steel thicknesses up to 12mm • Suitable for drilling into aluminium framing and cladding into purlins and hot rolled steel

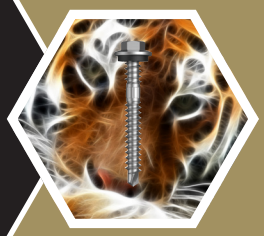
Material	B304 316 Stainless CL 4 R1500
Finish	R10 R1500 Bi-Metal 316 Stainless

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)	TX
T6X5XWO1224040	Q944	12	24	40	23	17	12	3	T25

PRODUCT DATA



S500 SDS Wafer Head

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

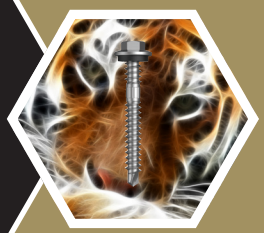
Mechanical Properties

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.

PRODUCT DATA



S500 SDS Wafer Head

Installation

1. Use a cordless screw driver set at max. 2200–3000 RPM. Fit the Torx Drive Bit into 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 TORX S2 ALLOY STEEL / STANDARD DRIVE BIT 1/4		
Part	**QFind**	**Length**
		(mm)
TXDDPTXS30050	**B760**	50

Recommended
Torx #25 Drive Bit

POWER TORX S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	**QFind**	**Length**
		(mm)
TXDIPTXS30050	**BA38**	50

Recommended
Torx #25 Drive Bit