



PRODUCT DATA

Flanged Hex Head Self Drilling Screw



Hex

- Extended drill point and fine pitch (24 TPI) thread allows self-drilling in metal up to 12mm in thickness
- No pre-drilling required
- Corrosion performance to Class 4 as per AS3566.2
- Hexagon Head Series

DRILLX®



Applications

- Fixing metal to metal
- Thick steel purlins and hot rolled steel

s500 Extended Drill Point

Material



C1022 Hardened

Finish



CLASS 4 / AS3566.2



Used in plumbing, steel fabrication and heating, ventilation, and air-conditioning (HVAC) systems.

*General purpose metal to metal fixing up to 12mm total thickness.

Mechanical Properties	Gauge 12	Gauge 14
	Characteristic*	Characteristic*
Tensile Strength (N)	15,030	25,165
Shear Strength (N)	8,100	13,181
Torsional Strength (Nm)	11.3	16.9

Ultimate Pullout Strength (N)

Base Plate	Gauge 12		Gauge 14	
Hot Rolled Steel (HRS)	Mean^ (N)	Characteristic* (N)	Mean^ (N)	Characteristic* (N)
3.0mm HRS	6,850	4,100	8,646	5,157
6.0mm HRS	13,195	8,350	16,510	10,428
8.0mm HRS	15,030	8,350	25,165	21,968
12.0mm HRS	15,030	8,350	25,165	21,968

* Characteristic Strength - is the 5% fractile strength which has a 95% probability of being exceeded at a confidence level of 90%.

^Mean Ultimate Strength - is the average ultimate strength of samples tested.

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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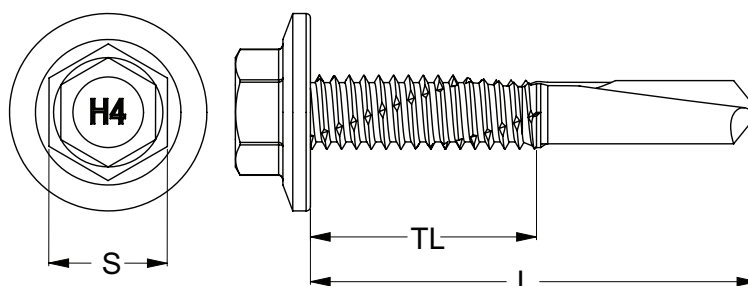
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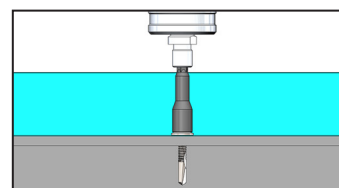
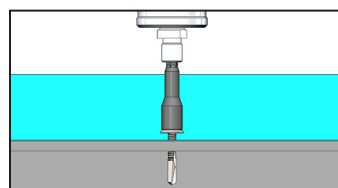
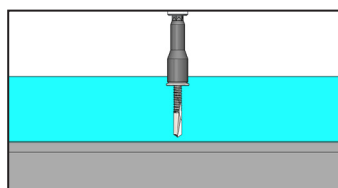


Hex

Part	QFind	Gauge	TPI	Length (L)	Thread Length (TL)	Bit Driver (S)
				(mm)	(mm)	(mm)
T9P54FH1224032	Q480	12	24	32	17	5/16
T9P54FH1224038	Q481	12	24	38	23	5/16
T9P54FH1224050	Q482	12	24	50	35	5/16
T9P54FH1224065	Q484	12	24	65	50	5/16
T9P54FH1224085	Q487	12	24	85	70	5/16
T9P54FH1424038	Q739	14	24	38	21	3/8



Installation



Use a 5/16 Hobson Hex Nut Setter:

- **Gauge 12** TXDDPNSS31045 - 45mm
TXDDPNSS31065 - 65mm
TXDDPNSS31000 - 100mm
TXDDPNSS31150 - 150mm

Use a 3/8 Hobson Hex Nut Setter:

- **Gauge 14** TXDDPNSS37045 - 45mm
TXDDPNSS37065 - 65mm

Installation Guides

1. Use a cordless screw driver set between 2,200-3,000 RPM.
Fit the Hex Nut Setter 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 as sealing washer damage could result.

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