



# PRODUCT DATA

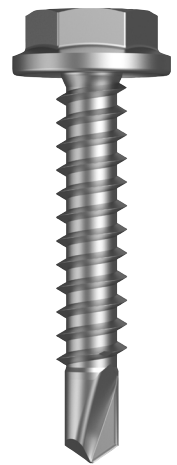
## Metal SDS Flanged 550 Stainless Hex Head

### 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.



## 12 Gauge Hex Head

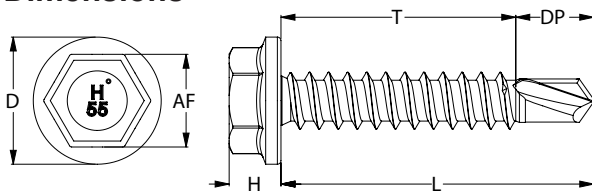


Applications	
•	Fastening exterior decorative steel sheets to steel channels
•	Replaces spot welding of stainless steel material
•	Stainless steel facades

<b>Material</b>	 550 Stainless
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<b>Finish</b>	 550 Stainless
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### Dimensions



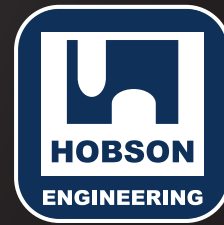
Part	QFind	Gauge	TPI	Length	Thread Length	Head Height	Head ø	Drill Point	Drive Size
				L (mm)	T (mm)	H (mm)	D (mm)	DP (mm)	AF (HEX)
T55MSFH1214025	QT144	12	14	25	18	5.8	14.5	7.4	5/16
T55MSFH1214035	QT145	12	14	35	28	5.8	14.5	7.4	5/16
T55MSFH1214045	QT146	12	14	45	38	5.8	14.5	7.4	5/16

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## Metal SDS Flanged 550 Stainless Hex Head

### Pullout Values

Plate Material	Metal Plate Thickness	<sup>1</sup> Mean Load	<sup>2</sup> Characteristic Load	<sup>3</sup> Working Load
	(mm)	(N)	(N)	(N)
G2	0.5	600	450	150
G450	1.5	3950	3600	1450
G450	2.9	6700	5700	2250

### Mechanical Properties

Torsional Strength	<sup>1</sup> Mean Tensile Strength	<sup>1</sup> Mean Shear Strength	<sup>2</sup> Characteristic Tensile Strength	<sup>2</sup> Characteristic Shear Strength
(Nm)	(N)	(N)	(N)	(N)
10.9	22350	13400	19250	11550

Note: 1000N = 1kN

<sup>1</sup> Mean Load/Strength: the average ultimate strength of samples tested.

<sup>2</sup> Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

<sup>3</sup> 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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## Metal SDS Flanged 550 Stainless Hex Head

### Installation

1. Use a cordless screw gun set at max 2,200–3,000 RPM. Fit the Hex Drive Bit over the screw and place at the fastening position.
2. Apply consistently firm pressure to the screw driver while the screw is drilling.
3. Care should be taken not to over-tighten the screw.

\*Installation with impact drivers not recommended.

### Recommended for use with:

MAGNETIC NUT SETTER S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPNSS31045	<b>BA18</b>	45
TXDIPNSS31065	<b>B090</b>	65



Recommended  
HEX 5/16 Magnetic  
Nut Setter

MAGNETIC NUT SETTER S2 ALLOY STEEL BLACK / STANDARD DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDDPNSS31045	<b>B025</b>	45
TXDDPNSS31065	<b>B050</b>	65
TXDDPNSS31100	<b>B060</b>	100
TXDDPNSS31150	<b>B075</b>	150



Recommended  
HEX 5/16 Magnetic  
Nut Setter

SPRING NUT SETTER S2 ALLOY STEEL BLACK / impaX DRIVE BIT 1/4		
Part	QFind	Length (mm)
TXDIPSS31065	<b>BA48</b>	65
TXDIPSS31150	<b>BA49</b>	150



Recommended  
HEX 5/16 Spring  
Nut Setter

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