



# PRODUCT DATA

## Metal SDS Flanged 550 Stainless Hex Head

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### Description

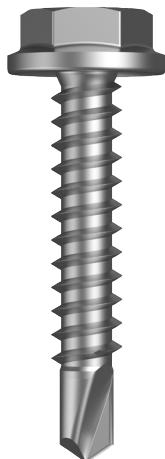
Made from specially formulated high-hardness martensitic stainless steel for effective self-drilling combined with a higher chromium level for corrosion resistance equivalent to 304.



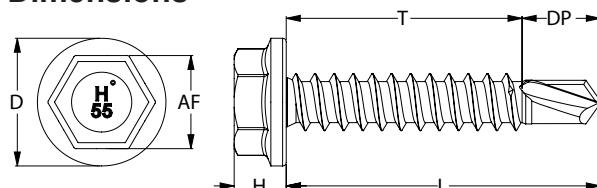
Applications	
• Fastening exterior decorative steel sheets to steel channels	
• Replaces spot welding of stainless steel material	
• Stainless steel facades	

Material	 550	550 Stainless
Finish	 550	550 Stainless

## 10 Gauge Hex Head



### 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)
T55MSFH1016016	QT141	10	16	16	10	4.5	11	6.2	5/16
T55MSFH1016020	QT142	10	16	20	14	4.5	11	6.2	5/16
T55MSFH1016025	QT143	10	16	25	19	4.5	11	6.2	5/16

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### 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	500	200
G450	1.5	4350	3950	1550
G450	2.9	7100	6050	2400

### 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)
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 screw driver 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:

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 Drive Bit

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