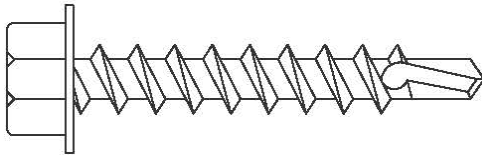


Product Specification Sheet

Self Drill PART #08050H-14300H

GRABBER®

4.2 mm – 6.2 mm Hex Washer Head DRIVALL®
Self-drilling screws used to attach steel to heavy gauge steel 0.9- 3.5 mm



Hex Head



S-12
Drill Point



#3
Drill Point



#4
Drill Point



Hex Drive

APPLICATION:

Grabber HEX WASHER HEAD Head Drivall® Self-drilling fasteners for attaching 0.9 – 3.5 mm gauge steel

DRILLING CAPACITY:

<4.4 mm G550 (80 ksi)

FEATURE BENEFITS:

HEX WASHER HEAD creates a smooth bearing surface

A CSD screw for general interior applications

Ideal for use with 0.9 – 3.5 mm steel 13 – 18 threads per inch

Super sharp, #3 or #4 Drivall® drill Point, designed to penetrate steel quickly and easily

HEX drive system

The HEX WASHER HEAD is designed to seat fast and easily and meet with a flush finish surface.

INSTALLATION INSTRUCTIONS:

Use a standard screwgun with a depth-sensitive nose piece.

Suggested screwgun specifications for optimal performance: – 4 amps minimum, and RPM range of 1800 – 2500.

The HEX WASHER HEAD is fully seated when the head is flush with the work surface.

Overdriving may result in failure of the DRIVALL® or strip out of the work surface.

The #3 point must penetrate beyond the metal a minimum of three thread pitches.

MATERIAL:

Carbon steel SAE 1022 | Heat Treat SAE J78 |

SPECIFICATIONS:

Standards	AS/NZ 3566	EN 14566:2009-10	IRC IBC 2006, 2009, 20012
Nominal screw diameter (mm)	4.2 mm	4.8-5.5 mm	6.2 mm
Head Diameter	8.5 mm	10.5 mm	12.7 mm
Screw lengths (mm)	14-51 mm	19-76 mm	19-102 mm
Type of thread	Single lead		
Recess Type	(ISO 7053)	(DIN 6921)	HEX

Product Specification Sheet

GRABBER®

4.2 mm – 6.2 mm Hex Washer Head DRIVALL®
Self Drill PART #08050H-14300H

MECHANICAL PROPERTIES:

SCREW VALUES Fastener Strength (Pss)				Fastener Strength (Pss) NOMINAL (tested)		
Designation	Nominal Diameter	Head Diameter	TPI	Tension, (P) kN	Shear (Pss) kN	
08 Series	4.2	8.5	18	8.4	6.2	
10 Series	4.8	10.1	16	10.9	8.5	
12 Series	5.5	10.5	14	11.3	12.5	
14 Series	6.2	12.7	13	16.3	17.8	
SIZE			4.2	4.8	5.5	6.2
Minimum Torsional torque (Nm)			4.4	5.4	9.4	14.1
Fire behavior (EN13501-1:2007)			A1			
Surface hardness			>55 HRC			
Pull-out MIN. 0.6 metal			> 450 N			
CORROSION PERFORMANCE:						
Surface protection:	"Phosphate"	(ISO 4042)	>11 g/m2	(ISO9227)	≥24 hours	
Surface protection:	"Zinc"	(ISO 4042)	≥ 5 µm A ... E	(ISO9227)	≥48 hours	
Surface protection:	"Yellow Zinc"	(ISO 4042)	≥ 5 µm A ... G	(ISO9227)	≥48 hours	
Surface protection:	"Grabbergard"	(ISO 4042)	≥ 20 µm	(ISO9227)	≥1000 hours	

ITEM	GAUGE LENGTH	QTY.	lbs.	LENGTH METRIC	Kg.
10050H3	10x1/2	7.5 M	37	13 mm	16.8
10200H3	10x2	3 M	31	51 mm	14.1
10300H3	10x3	3 M	38	76 mm	17.3
10075H3	10x3/4	5 M	30	19 mm	13.6
10058H3	10x5/8	7.5 M	41	16 mm	18.6
12100H3	12x1	3.5 M	40	25 mm	18.2
12150H3	12x1-1/2	2.5 M	35	38 mm	15.9
12125H3	12x1-1/4	3.5 M	34	32 mm	15.5
12250H3	12x2-1/2	1.5 M	30	63 mm	13.6
12300H3	12x3	1 M	22	76 mm	10.0
12350H3	12x3-1/2	1 M	21	89 mm	9.5

ITEM	GAUGE LENGTH	QTY.	lbs.	LENGTH METRIC	Kg.
12075HA	12x3/4	5 M	40	19 mm	18.2
14100H3	14x1	3.5 M	52	25 mm	23.6
14150H3	14x1-1/2	2 M	33	38 mm	15.0
14125H3	14x1-1/4	2 M	35	32 mm	15.9
14200H3	14x2	1.5 M	34	51 mm	15.5
14250H3	14x2-1/2	2 M	33	63 mm	15.0
14300H3	14x3	2 M	22	76 mm	10.0
14075H3	14x3/4	5 M	61	19 mm	27.7
14400H4	14x4	.5 M	21	102 mm	9.5
1224150H4RG	12x1-1/2	2.5 M	33	38 mm	15.0
1224125H4	12x1-1/4	3 M	50	32 mm	22.7
1224200H4RG	12x2-1/2	2 M	36	63 mm	16.4
122478H4	12x7/8	3.5 M	50	22 mm	22.7

SCREW DESIGNATION (Nom. Size - tpi, head type)	Drill Capacity (mm) min	DRILLING CAPACITY (mm) max
#8-18 HEX	0.89	3.56
#10-15 HEX	2.79	4.45
#12-14 HEX	2.79	5.33
#14-13 HEX	2.79	5.59

Product Specification Sheet



Hex Head



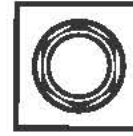
S-12
Drill Point



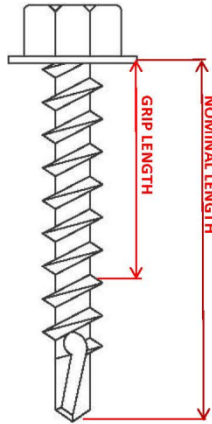
#3
Drill Point



#4
Drill Point



Hex Drive



NOMINAL DIAMETER	NOMINAL LENGTH			GRIP LENGTH	
4.2-6.2	1/2	13	mm	4	mm
4.2-6.2	5/8	16	mm	7	mm
4.2-6.2	3/4	19	mm	10	mm
4.2-6.2	7/8	22	mm	13	mm
4.2-6.2	1	25	mm	16	mm
4.2-6.2	1 1/4	32	mm	23	mm
4.2-6.2	1 1/2	38	mm	29	mm
4.2-6.2	2	51	mm	42	mm
4.2-6.2	2 1/2	63	mm	54	mm
4.2-6.2	3	76	mm	67	mm
4.2-6.2	3 1/2	89	mm	80	mm
4.2-6.2	4	102	mm	93	mm

All values nominal unless otherwise stated. Normal manufacturing tolerances apply.