

410 STAINLESS STEEL SELF DRILLING SCREWS



Hex Washer Head

Applications

- Clips to structural steel or bar joist.
- Brick ties to steel framing.
- Roof panels to purlin or bar joist.
- Stitch roof and wall panels.
- Long lengths for retrofit applications.

Product Features

- 410 SS for medium degree of corrosion resistance.
- Engineered for fast drilling and smooth tapping with less effort.

Selector Guide

Description	Drill Point	Part Number	Drill & Tap Capacity	Box Quantity
8 x 1/2	2	8X.5HSD4	.035 - .100	2,500
8 x 1	2	8X1HSD4	.035 - .100	2,500
10 x 1/2	2	10X.5HSD4	.035 - .110	2,500
10 x 3/4	3	10X.75HSD4	.035 - .176	2,500
10 x 1	3	10X1HSD4	.035 - .176	2,500
12 x 3/4	3	12X.75HSD4	.035 - .210	2,500
12 x 1	3	12X1HSD4	.035 - .210	2,500
12 x 1-1/4	3	12X1.25HSD4	.035 - .210	2,500
12-24 x 1-1/4	5	12X1.25#5HSD4	.125 - .500	2,500
12 x 1-1/2	3	12X1.5HSD4	.035 - .210	2,500
12 x 2	3	12X2HSD4	.035 - .210	2,000
14 x 3/4	3	14X.75HSD4	.060 - .220	2,500
14 x 1	3	14X1HSD4	.060 - .220	2,500
14 x 1-1/4	3	14X1.25HSD4	.060 - .220	2,500
14 x 1-1/2	3	14X1.5HSD4	.060 - .220	2,500
14 x 2	3	14X2HSD4	.060 - .220	2,000
14 x 2-1/2	3	14X2.5HSD4	.060 - .220	1,500
14 x 3	3	14X3HSD4	.060 - .220	1,000

Other configurations of this product are available upon request.

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install 410 Stainless Self Driller. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- The fastener is fully seated when the head is flush with the work surface.
- Overdriving may result in torsional failure of the fastener or stripout of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

Fastener	Fastener Strength Values		
	Steel		
Size	Tensile	Shear	Torque
8-18	1545	1000	42
10-16	1936	1400	61
12-14	2778	2000	92
14-14	4060	2600	150

Performance Data

Fastener		Pullout Values (Avg. Lbs. Ultimate)									Shear Values (Avg. Lbs. Ultimate)							
		Steel Gauge									Steel Gauge (lapped)							
Size	Pt.	26	24	22	20	18	16	14	12	3/16	26	24	22	20	18	16	14	12
8-18	3	119	193	265	298	491	703	959	-	-	294	496	560	740	1060	-	-	-
10-16	3	124	208	266	299	499	708	967	1474	-	-	455	526	728	1266	1540	1552	-
12-14	3	131	196	258	312	452	692	1063	1631	2998	-	-	-	769	1358	1620	1970	1986
14-14	3	141	231	293	346	613	880	1145	1858	4550	-	-	-	930	1442	2100	2584	2650

The values listed are ultimate averages achieved under laboratory conditions and apply to Rosko Fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Note: Rosko Fasteners are not categorized as structural bolts. Proper design criteria and strengths must be used for satisfactory application.

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Hex Washer Head w/Washer

Applications

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- Brick ties to steel framing.
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- Stitch roof and wall panels.
- Long lengths for retrofit applications.

Product Features

- 410 SS for medium degree of corrosion resistance.
- Engineered for fast drilling and smooth tapping with less effort.
- Bonded sealing washer to prevent leaks.

Selector Guide

Description	Drill Point	Part Number	Drill & Tap Capacity	Box Quantity
12 x 3/4	3	12X.75HSD4WW	.035 - .210	2,500
12 x 1	3	12X1HSD4WW	.035 - .210	2,500
12 x 1-1/4	3	12X1.25HSD4WW	.035 - .210	2,500
12-24 x 1-1/4	5	12X1.25#5HSD4WW	.125 - .500	2,500
12 x 1-1/2	3	12X1.5HSD4WW	.035 - .210	2,500
12 x 2	3	12X2HSD4WW	.035 - .210	2,000
14 x 3/4	3	14X.75HSD4WW	.060 - .220	2,500
1/4 x 7/8	1	LAPHSD4WW	.018 - .090	2,500
14 x 1	3	14X1HSD4WW	.060 - .220	2,500
14 x 1-1/4	3	14X1.25HSD4WW	.060 - .220	2,500
14 x 1-1/2	3	14X1.5HSD4WW	.060 - .220	2,500
14 x 2	3	14X2HSD4WW	.060 - .220	2,000
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