

## TECHNICAL DATA SHEET

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### Better than S-12 – Grabber Super Point Screws

S-12 stands for Single Layer 12 gauge screw point Capacity, first introduced by USG it has become the generic for Self Drilling fasteners in light gauge steel. The upper limit for the 6 gauge screw point was predicated on IFI Screw point Selection standards US STEEL STUD GAUGE GUIDE

Gauge	Minimum Thickness (in.)	Maximum Design Thickness (in.)	mil
8	0.1554	0.1636	163
10	0.1180	0.1239	119
12	0.0966	0.1015	97
14	0.0677	0.0711	68
16	0.0538	0.0565	54
18	0.0428	0.0450	43
20	0.0329	0.0346	33
22	0.0269	0.0283	27
25	0.0179	0.0188	18

BSD/CSD (J78) (IFI 113-2007) Drill Standard						
Screw Type		Nominal Screw Size	Point Style	Min.	Max.	Max.
BSD/CSD	(J78) (IFI 113-2007) Drill Point Selection Chart	6	#2	0.030	0.090	1/16
		8		0.030	0.100	1/8
		10		0.035	0.110	1/8
		12		0.035	0.140	1/8
		14		0.035	0.175	3/16
		6	#3	0.900	0.110	1/8
		8		0.100	0.140	1/8
		10		0.110	0.175	3/16
		12		0.110	0.210	3/16
		14		0.110	0.210	3/16
		12		0.175	0.250	1/4
		14		0.175	0.250	1/4
		12	#5	0.250	0.500	1/2

Grabber Self Drilling Point Selection Guide exceeds IFI drill thickness capacities by over 20%

Grabber Super Points								
GRABBER	SUPER POINT	Gauge	POINT LENGTH	Point Number	Panel Thickness			Improvement over IFI drilling Capacity
					Min.	Max.	Max.	
		6	0.154	#3	0.035	0.154	1/8	140%
		8	0.177	#3	0.035	0.177	3/16	127%
		10	0.211	#3	0.035	0.211	3/16	120%
		12	0.268	#3	0.035	0.268	1/4	127%
		14	0.299	#3	0.035	0.299	9/32	142%
		10	0.258	#3.5	0.100	0.258	1/4	123%
		12	0.258	#3.5	0.110	0.258	1/4	123%
		12	0.465	#4	0.175	0.465	7/16	186%
		14	0.465	#4	0.175	0.465	7/16	186%
		12	0.630	#5	0.175	0.630	5/8	126%
		14	0.630	#5	0.175	0.630	5/8	125%

Not only do Grabber Self drilling screws penetrate the metal 40 % faster than industry standards, but they have a 20% greater capacity of steel that they can penetrate. Based on testing performed in ICC ESR approved Facility.

Quality Assurance Department