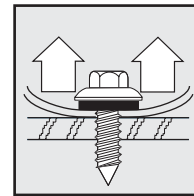
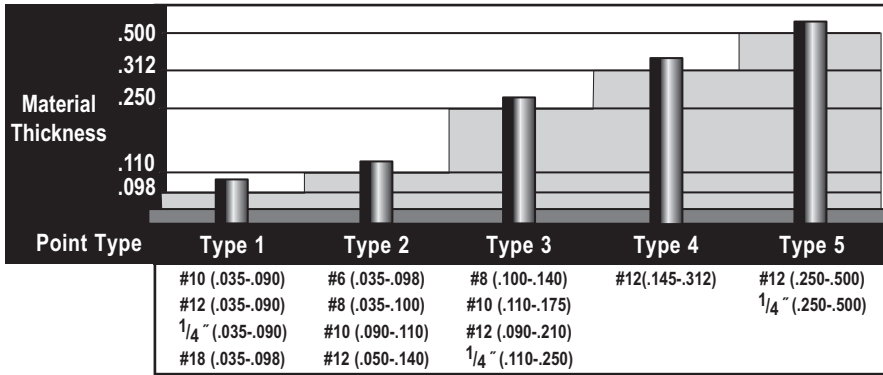


FLAT-TOP™

Engineering Test Reports

Self-Sealing Fasteners

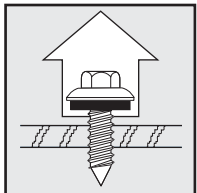
Drill Point Capabilities



Pull-Over Values (Lbs.)

for Flat-Top Self-Sealing Fasteners

Gauge			
Fastener Diameter	22 (.030)	24 (.023)	26 (.018)
12-14	1128	982	621
1/4-14	1298	1043	687



Pull-Out Values (Lbs.)

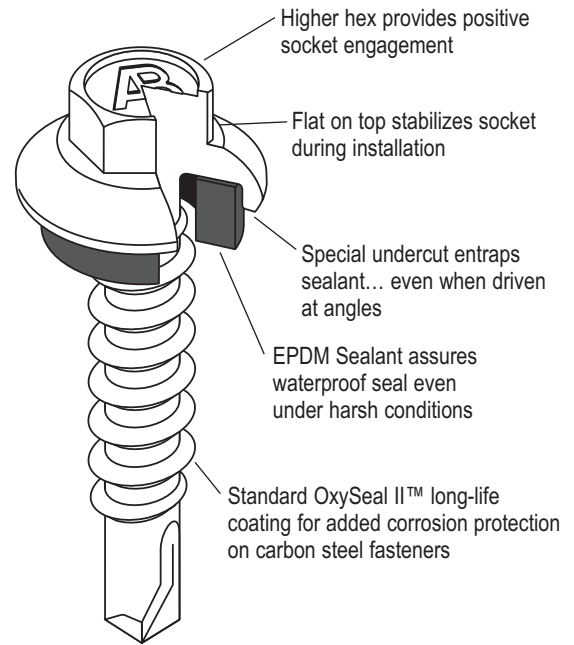
for Flat-Top Self-Sealing Fasteners

Gauge					
Size	Point	12	14	16	18
12-14	TCP3	1634	1066	760	554
1/4-14	TCP3	1861	1148	883	613

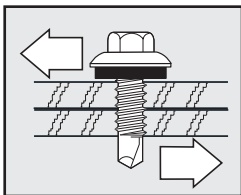
Decimal (inch) Equivalents of Thread Diameters

Thread Diameter	Decimal Equivalent	Gauge	Thickness (in.)
#6	.140	26	.018
#7	.150	24	.024
#8	.160	22	.030
#9	.180	20	.036
#10	.190	18	.048
#11	.200	16	.060
#12	.210	14	.075
#13	.230	12	.105
1/4"	.240	10	.134
#14	.250	8	.164
#17	.285	4	.224
#18	.304	1/4	.250
11/32"	.344		

Decimal (inch) Equivalents of Sheet Metal Gauges



Shear Values for Carbon Steel Drilling Fasteners



Gauge												
Size	Point	26-26	24-24	22-22	20-20	18-18	16-16	14-14	12-12	1/8-1/8	3/16-3/16	1/4-1/4
12-14	T/1	435	706	756	1021	1455	/	/	/	/	/	/
1/4-14	T/1	514	852	888	1247	1767	/	/	/	/	/	/
8-18	T/2	297	499	563	743	1063	1081	/	/	/	/	/
10-16	T/2	315	481	592	833	1209	1271	/	/	/	/	/
12-14	T/2	368	603	626	901	1373	1761	2141	/	/	/	/
8-18	T/3	/	/	/	733	1093	1213	1217	/	/	/	/
10-16	T/3	/	/	/	731	1269	1543	1555	/	/	/	/
10-24	T/3	/	/	/	754	1211	1557	1697	/	/	/	/
12-14	T/3	/	/	/	772	1361	1623	1973	1989	/	/	/
1/4-14	T/3	/	/	/	933	1445	2103	2587	2653	2823	/	/
12-24	T/4	/	/	/	/	/	/	/	2051	2703	/	/
12-24	T/5	/	/	/	/	/	/	/	/	2703	2723	2765

Strength Characteristics for Flat-Top Self-Sealing Fasteners

Fastener Size	Minimum Tensile (pounds)	Min. Fastener Torque Strength (inch-pounds)	Fastener Shear (pounds)
12-24	2,800	92	2,000
1/4-14	3,850	150	2,600



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All test results and recommendations are based on laboratory tests.

Specific job site conditions should be taken into consideration when specifying the proper fastener.

Because applications vary, we assume no liability for use of this information.