

METAL TO METAL FASTENERS

ULTRA-Z SELF DRILLING



HEAD

1/4", 5/16", 3/8" hex head

THREAD

Threads per inch: 14, 16, 18, 20, 24

POINT

TCP self drilling point

WASHER

EPDM bonded washer

MATERIAL

Carbon steel and 410 Stainless Steel

FINISH

Mechanically plated with long life coating

DIAMETERS

#8, #10, #12, 1/4", #18

LENGTHS

3/4" through 8"

PLATING

.0005 Min Mechanical Zinc

PRODUCT SUPERIORITY

- ≡ Innovative Tapered Compression Point (TCP) with tightened tolerance controls to provide an ultra-sharp cutting edge
- ≡ Extended Flute penetrates thicker materials while eliminating clogging and reducing burn-out and waste
- ≡ Comes in a full range of sizes and drives
- ≡ Corrosion inhibiting coating for extended life

STRENGTH CHARACTERISTICS

For Self-Drilling and Self Tapping Fasteners

Fastener Size	Minimum Tensile (pounds)	Minimum Torque (inch-pounds)	Fastener Shear (pounds)
18-8	1575	42	1000
9-16	2350	65	1500
10-16	2100	61	1400
10-24	2350	65	1500
12-14	2800	92	2000
12-24	3250	100	2100
1/4-14	3850	150	2600
1/4-20	4275	168	2700
17-14	5200	175	3125
18-9	4550	170	2575

All test results and recommendations are based on laboratory tests. Specific job site conditions should be taken into consideration when specifying the proper fastener. Actual field values may vary, therefore we assume no liability for use of this information. Pull out values are a measurement of material strength.

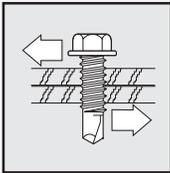


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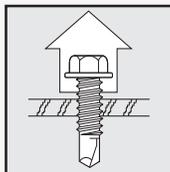
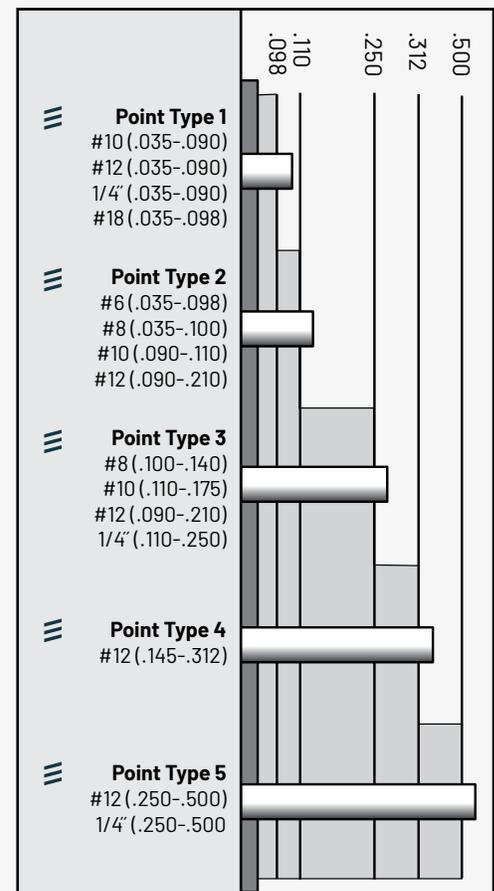
SHEAR VALUES

For Carbon Steel Self-Drilling Fasteners

SIZE	POINT	2x26 (0.036)	2x24 (0.046)	2x22 (0.060)	2x20 (0.072)	2x18 (0.096)	2x16 (0.120)	2x14 (0.150)	2x12 (0.210)	2x1/8 (0.250)	2x3/16 (0.375)	2x1/4 (0.500)
12-14	TCP1	435	706	756	1021	1455	/	/	/	/	/	/
1/4-14	TCP1	514	852	888	1247	1767	/	/	/	/	/	/
8-18	TCP2	297	499	563	743	1063	1081	/	/	/	/	/
10-16	TCP2	315	481	592	833	1209	1271	/	/	/	/	/
12-14	TCP2	368	603	626	901	1373	1761	2141	/	/	/	/
8-18	TCP3	/	/	/	733	1093	1213	1217	/	/	/	/
10-16	TCP3	/	/	/	731	1269	1543	1555	/	/	/	/
10-24	TCP3	/	/	/	754	1211	1557	1697	/	/	/	/
12-14	TCP3	/	/	/	772	1361	1623	1973	1989	/	/	/
1/4-14	TCP3	/	/	/	933	1445	2103	2587	2653	2823	/	/
12-24	TCP4	/	/	/	/	/	/	/	2051	2703	/	/
12-24	TCP5	/	/	/	/	/	/	/	/	2703	2723	2765

DRILL POINT CAPABILITIES

Material Thickness



PULL-OUT VALUES (LBS.)

For Carbon Steel Self-Drilling Fasteners

SIZE	POINT	26	24	22	20	18	16	14	12	1/8	3/16	1/4
8-18	TCP2	122	196	268	301	494	706	962	1561	/	/	/
8-18	TCP3	123	194	242	288	473	666	913	1427	2290	/	/
10-16	TCP1	151	244	314	360	568	829	1114	1799	/	/	/
10-16	TCP2	134	217	275	371	550	787	1036	1656	/	/	/
10-16	TCP3	127	211	269	302	502	711	970	1477	2080	/	/
10-24	TCP3	124	203	254	336	498	704	903	1378	2073	2615	/
12-14	TCP1	161	264	341	393	652	911	1262	1952	/	/	/
12-14	TCP2	159	246	286	378	608	851	1184	1859	2571	3523	/
12-14	TCP3	145	214	292	344	554	760	1066	1634	2423	3001	/
12-24	TCP4	/	/	/	/	498	700	989	1535	2444	3488	3847
12-24	TCP5	/	/	/	/	490	702	916	1530	2210	3704	4002
1/4-14	TCP1	211	332	431	565	803	1154	/	/	/	/	/
1/4-14	TCP2	169	268	317	433	648	925	1155	/	/	4696	/
1/4-14	TCP3	144	234	296	349	613	883	1148	1861	2409	4553	5036
1/4-20	TCP5	/	/	/	/	557	791	1119	1806	2553	4300	4592

