

**Drive  
Through  
with**

**ULTRA-Z™**

**Drilling Fasteners**

**The REVERSE  
TAPER design**

*features an extended flute  
that penetrates thicker  
materials while guiding  
chips away from the sur-  
face, eliminating clogging  
and reducing burn-out  
and waste.*

*Ultra-Z fasteners  
come in a full range of  
sizes and drives and are  
available with corrosion  
inhibiting OxySeal II™  
coating for extended life.*

**ULTRA-Z drilling fasteners**

*are manufactured using an innovative tapered  
compression point process (TCP) with tightened  
tolerance controls to provide an ultra-sharp  
cutting edge.*

**innovative  
Tapered  
Compression  
Point  
technology**

**Let us prove  
our POINT!**

Contact an authorized  
ATLAS distributor  
or call ATLAS Sales Support at

**(800) 321-6846**

[www.atlasfasteners.com](http://www.atlasfasteners.com)



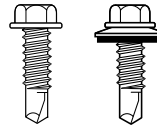
**Specify TCP**  
Tapered Compression Point  
Design ONLY!

**Build it better with**

**ATLAS**

**Fasteners For Construction**

### Specifications



**Diameters:** #6, #8, #10, #12, 1/4", #18  
**Lengths:** 3/4" through 8"  
**Points:** Self-Drilling  
**Material:** Carbon Steel and 410 Stainless Steel  
**Plating:** .0005 Min Mechanical Zinc

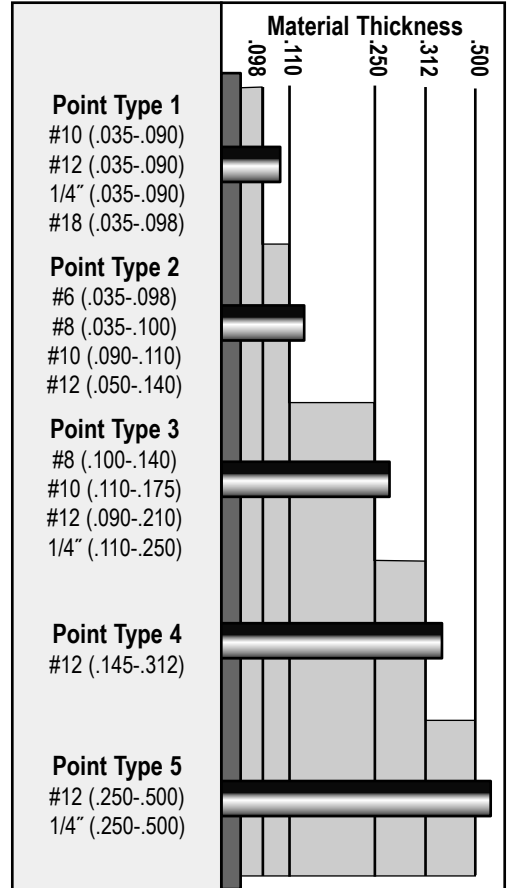
## Shear Values

For Carbon Steel Self-Drilling Fasteners

### Gauge

Size	Point	2x26 (.036)	2x24 (.046)	2x22 (.060)	2x20 (.072)	2x18 (.096)	2x16 (.120)	2x14 (.150)	2x12 (.210)	2x1/8 (.250)	2x3/16 (.375)	2x1/4 (.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



## Pull-Out Values (Lbs.)

For Carbon Steel Self-Drilling Fasteners

### Gauge

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	/	/	/
	TCP3	123	194	242	288	473	666	913	1427	2290	/	/
10-16	TCP1	151	244	314	360	568	829	1114	1799	/	/	/
	TCP2	134	217	275	371	550	787	1036	1656	/	/	/
	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	/	/	/
	TCP2	159	246	286	378	608	851	1184	1859	2571	3523	/
	TCP3	145	214	292	344	554	760	1066	1634	2423	3001	/
12-24	TCP4	/	/	/	/	498	700	989	1535	2444	3488	3847
	TCP5	/	/	/	/	490	702	916	1530	2210	3704	4002
1/4-14	TCP1	211	332	431	565	803	1154	/	/	/	/	/
	TCP2	169	268	317	433	648	925	1155	/	/	4696	/
	TCP3	144	234	296	349	613	883	1148	1861	2409	4553	5036
1/4-20	TCP3	143	228	274	366	559	784	1008	1681	2545	3557	/
	TCP4	/	/	/	/	557	791	1119	1806	2553	4300	4592

## Strength Characteristics

for Self-Drilling and Self-Tapping fasteners

Fastener Size	Minimum Tensile (pounds)	Minimum Torque (inch-pounds)	Fastener Shear (pounds)
6-20	1125	25	750
8-18	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