

METAL TO METAL FASTENERS

# LONG LIFE #12 METAL ULTIMATE®



**HEAD**

5/16" hex cast zinc head compatible with magnetic nutsetters

**THREAD**

Threads per inch: 14

**POINT**

TCP self drilling point

**WASHER**

EPDM tubular washer

**MATERIAL**

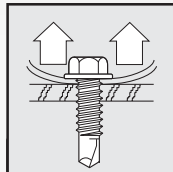
Carbon steel

**FINISH**

Mechanical zinc plated shank with die cast head warranted against red rust for the life of the building

**PRODUCT SUPERIORITY**

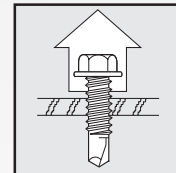
- ≡ Cast zinc head prevents head failure during installation; provides excellent paint adhesion
- ≡ Higher Hex provides positive socket engagement
- ≡ 5/8" O.D. design meets industry specifications and codes



**PULL OVER VALUES**

For Ultimate Fasteners

FASTENER DIA.	GAUGE		
	22 (.0299)	24 (.0239)	26 (.0179)
1/4" - 14 TCP3	1320	1061	683
#12-14 tcp3	1154	1016	687



**PULL-OUT VALUES**

STEEL THICKNESS	VALUES
22	292 lbs.
20	344 lbs.
18	554 lbs.
16	760 lbs.
14	1066 lbs.
12	1634 LBS.
1/8"	2423 LBS.
3/16"	3001 LBS.

**STRENGTH CHARACTERISTICS**

MINIMUM TENSILE	MINIMUM TORSIONAL	MINIMUM SHEAR
2800 lbs.	92 in.- lbs.	2000 lbs.

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 wood material strength.



Scan here for more product information and to view our entire catalog!

**ASHLAND, OH**

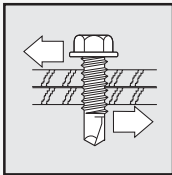
1628 TROY RD  
ASHLAND, OH 44805  
(800) 321-6977

**FLAT ROCK, NC**

161 COMMERCIAL BLVD  
FLAT ROCK, NC 28731  
(828) 692-2603

**HOUSTON, TX**

4822 N. SAM HOUSTON PKWY W., STE 100  
HOUSTON, TX 77086  
(800) 503-2105



## 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

