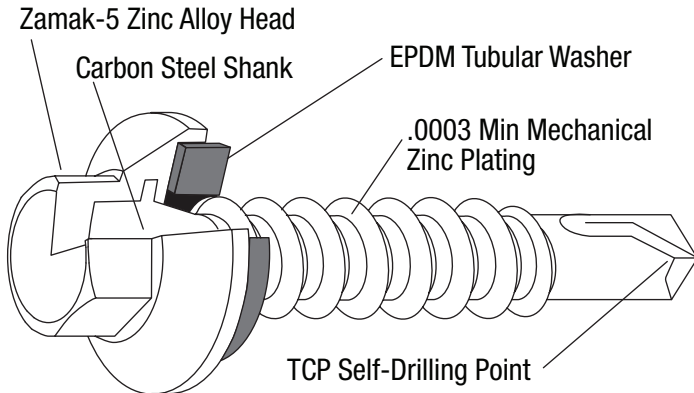


All test results and recommendations are based on laboratory tests.

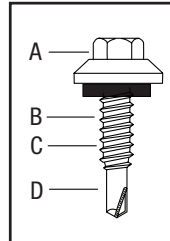
Specific job site conditions should be taken into consideration when specifying the proper fastener.

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

Note: Test results are average Ultimate failure values.



UltiMate 1/4" x 7/8"



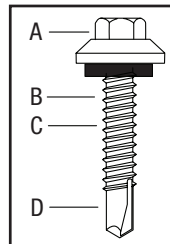
A - Head, Across Flats:	.312"
B - Major Diameter:	.240" - .246"
C - Minor Diameter:	.185" - .192"
Stress Area:	.02362 in ²
D - TCP1 Stitch/Lap Point	

Strength Characteristics

For Self-Drilling and Self-Tapping Fasteners

Fastener Size	Minimum Tensile (pounds)	Min. Fastener Torque Strength (inch-pounds)	Fastener Shear (pounds)
12-14	2800	92	2000
1/4"-14	3850	150	2600

UltiMate 1/4" - 14 x 1-1/4"



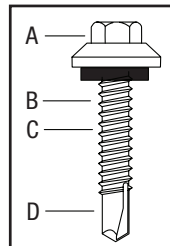
A - Head, Across Flats:	.312"
B - Major Diameter:	.240" - .246"
C - Minor Diameter:	.185" - .192"
Stress Area:	.02362 in ²
D - TCP3 Point	

Pull-Over Values (Lbs.)

For Ultimate Fasteners

Fastener Diameter	Gauge		
	22 (.0299)	24 (.0239)	26 (.0179)
1/4"-14 TCP3	1320	1061	683
#12-14 TCP3	1154	1016	687

UltiMate #12 - 14 x 1-1/4"



A - Head, Across Flats:	.312"
B - Major Diameter:	.209" - .215"
C - Minor Diameter:	.157" - .164"
Stress Area:	.01593 in ²
D - TCP3 Point	

Pull-Out Values (Lbs.)

For Carbon Steel Self-Drilling Fasteners

Steel Thickness	12-14	1/4"-14
	TCP3	TCP3
22	292	296
20	344	349
18	554	613
16	760	883
14	1066	1148
12	1634	1861
1/8"	2423	2409
3/16"	3001	4553

Drill Point Capabilities

