

# FASTITE® 2000™

## THREAD-ROLLING FASTENERS FOR SHEET METAL

Fastite® 2000™ fasteners feature a thread-forming design created to deliver cost-effective and optimum joint performance in sheet metal applications as thin as 0.7mm (.028 in.) This unique design employs many of the design innovations for high-performance thread-rolling fasteners featured in Taptite 2000® fasteners.

### FEATURES AND BENEFITS

#### Tapered Thread Root Adjacent to Head

- Maintains full thread major diameter close to the bearing surface

#### Undercut Head

- Absorbs material extruded by the screw and increases the underhead contact area to enhance thread engagement and resistance to stripping

#### Radius Profile™ Thread with Twin-lead Helix Angle

- Provides a mating thread system in which diametrically opposed threads are engaged
- Provides low thread-forming torque with high resistance to failure
- Head seats squarely compared to off-axis tendency of sheet metal screws

#### Blunt CA Point

- Allows entry into small holes to create self-extrusion of the sheet metal and to increase resistance to stripping

#### Trilobular™ Body

- Provides resistance to loosening caused by vibration.

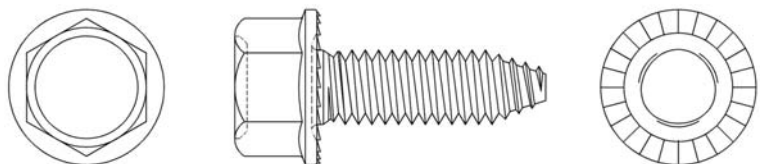
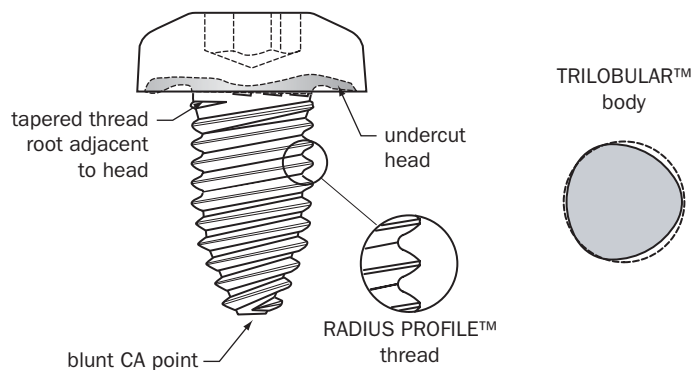
#### Available with TORX PLUS® Drive System

- Significantly extends tool life
- Ideal drive system for maximum torque transfer



### Specifications

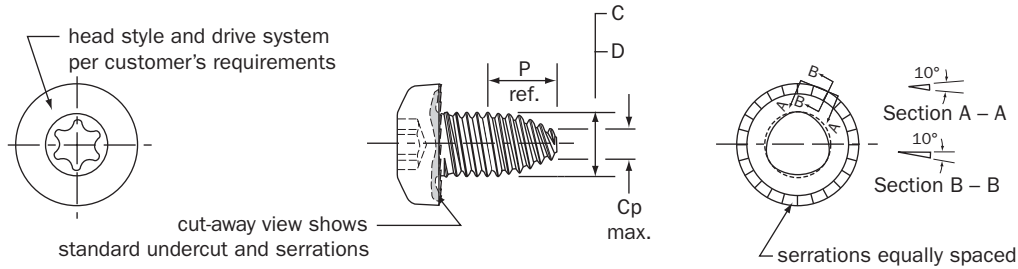
Thread Style	Radius Profile™ thread with twin-lead helix angle
Head Styles	Hex flange undercut head
Drive Systems	All styles available; TORX PLUS® Drive System recommended
Point Style	Blunt CA point
Materials	Low carbon steel, medium carbon steel, alloy steel, stainless steel
Finishes	Will accept all typical fastener finishes



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## THREAD-ROLLING FASTENERS FOR SHEET METAL

### Dimensional Data



Screw Size	Body Dimensions				Point Dimensions		Recommended Pilot Hole Size*	
	C		D		Cp Max.	P Ref.	Steel	Aluminum
	Max.	Min.	Max.	Min.				
Metric Sizes (mm)					Material Thickness: 0.70mm – 1.60mm			
MR 2.0 x 0.40	2.01	1.93	1.97	1.88	1.00	1.80	1.48 - 1.61	1.35 - 1.48
MR 2.5 x 0.45	2.52	2.43	2.48	2.37	1.30	2.03	1.92 - 2.06	1.77 - 1.92
MR3.0 x 0.50	3.02	2.93	2.97	2.87	1.70	2.25	2.35 - 2.51	2.19 - 2.35
MR 3.5 x 0.60	3.52	3.42	3.46	3.35	1.90	2.70	2.72 - 2.92	2.53 - 2.72
MR 4.0 x 0.7	4.02	3.92	3.95	3.83	2.20	3.15	3.09 - 3.32	2.86 - 3.09
MR 5.0 x 0.80	5.02	4.91	4.94	4.81	2.90	3.60	3.96 - 4.22	3.70 - 3.96
MR 6.0 x 1.00	6.03	5.90	5.93	5.78	3.40	4.50	4.70 - 5.03	4.38 - 4.70
MR 8.0 x 1.25	8.03	7.87	7.91	7.71	4.80	5.63	6.38 - 6.78	5.97 - 6.38
Inch Sizes (in.)					Material Thickness: .028" - .063"			
2 - 56	0.0880	0.0840	0.0862	0.0818	0.040	0.080	.063 - .069	.057 - .063
3 - 48	0.1010	0.0970	0.0989	0.9444	0.045	0.094	.072 - .079	.065 - .072
4 - 40	0.1138	0.1098	0.1113	0.1067	0.047	0.113	.080 - .088	.071 - .080
5 - 40	0.1268	0.1228	0.1243	0.1197	0.060	0.113	.093 - .101	.084 - .093
6 - 32	0.1413	0.1353	0.1382	0.1314	0.057	0.141	.097 - .108	.087 - .097
8 - 32	0.1674	0.1614	0.1643	0.1575	0.083	0.141	.123 - .134	.113 - .123
10 - 24	0.1934	0.1874	0.1892	0.1822	0.082	0.188	.136 - .149	.122 - .136
10 - 32	0.1936	0.1876	0.1905	0.1837	0.109	0.141	.149 - .160	.139 - .149
12 - 24	0.2194	0.2134	0.2152	0.2082	0.108	0.188	.162 - .175	.148 - .162
1/4 - 20	0.2534	0.2474	0.2484	0.2411	0.120	0.225	.185 - .201	.169 - .185

\* Recommended hole size shown is the range of hole sizes and does not imply hole tolerance. Hole tolerance is customary allowance to process used.

### Industry Applications

- Appliances
- Metal Buildings
- Automotive Sub-assemblies (Tier 1 Suppliers)

### Installation Systems

Fastite®2000™ fasteners are installed with standard handtools and automated systems available through Textron Fastening Systems, or systems already in use in your assembly process.



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