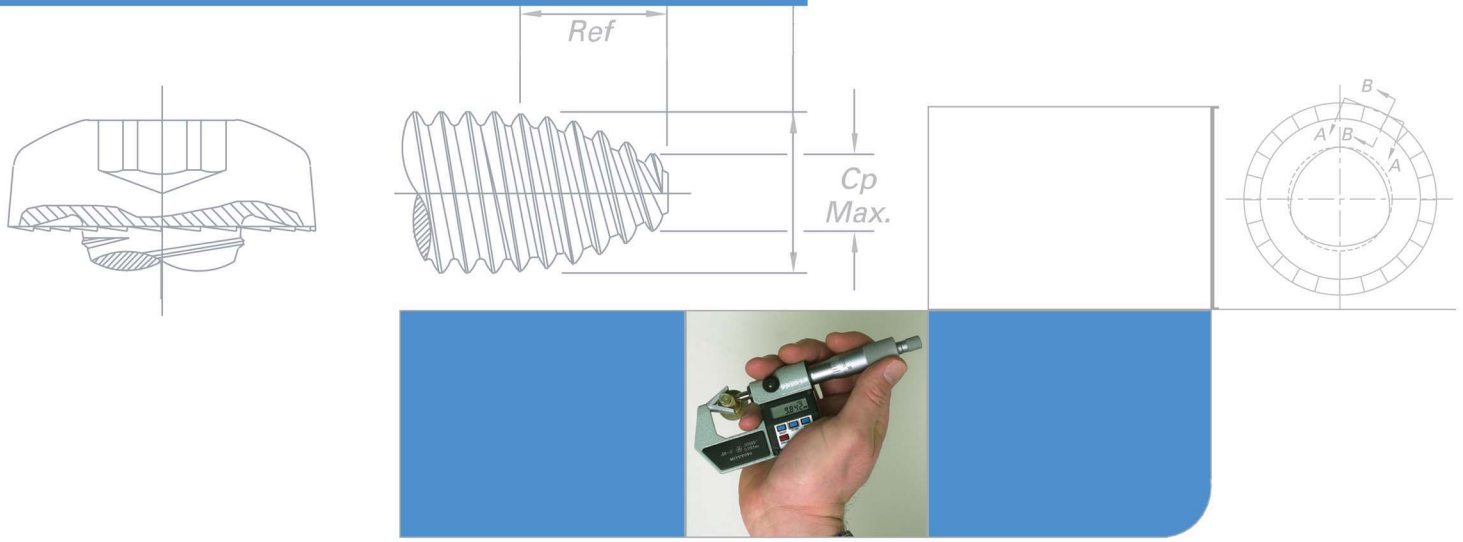


# FASTITE® 2000™ Fasteners for Thin Sheet Metal



A Member of The TAPTITE 2000® Family of Fasteners



Cold Formed Fastening Solutions

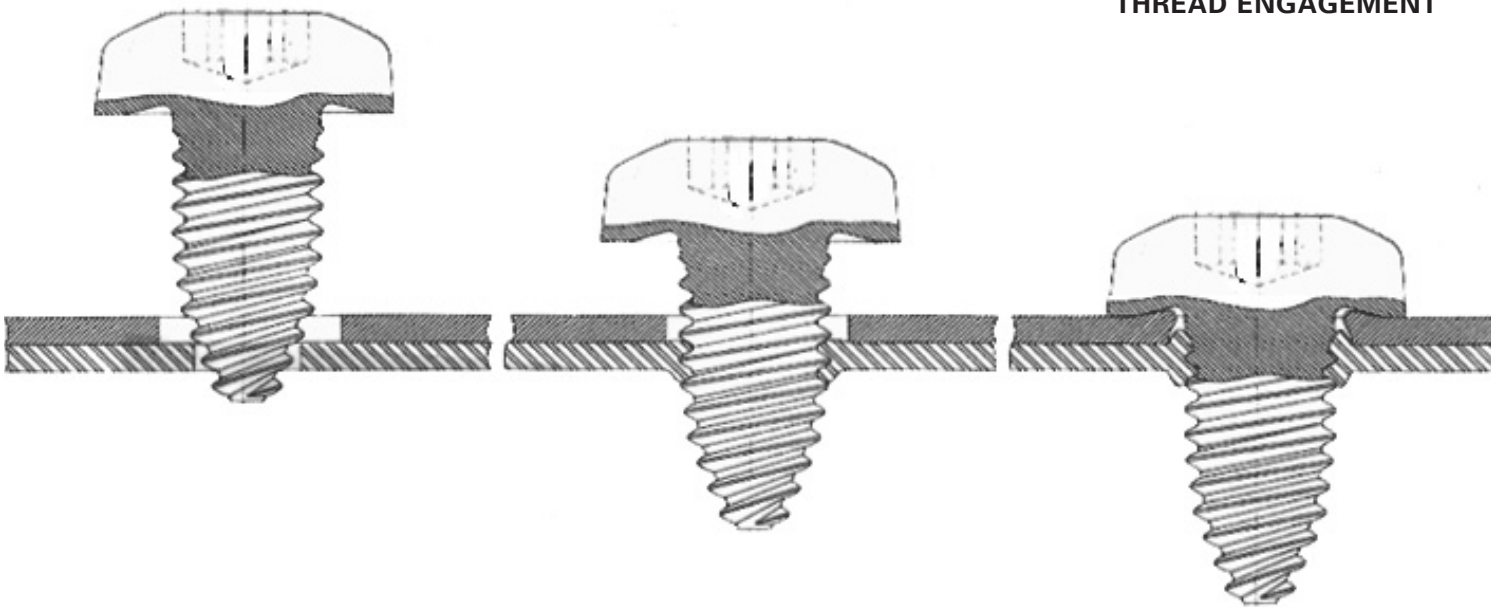
# FASTITE® 2000™ FASTENERS



TWIN LEAD HELIX PROVIDES STARTING STABILITY

FORWARD EXTRUSION WITH DIAMETRICALLY OPPOSED THREAD ENGAGEMENT

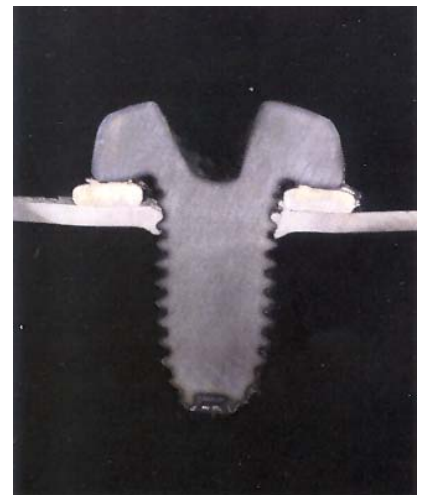
INCREASED CORE DIAMETER APPROACHING THE UNDERSIDE OF THE HEAD CAUSES ADDITIONAL FORWARD AND BACKWARD EXTRUSION PROVIDING INCREASED THREAD ENGAGEMENT



## THE SOLUTION FOR THIN SHEET METAL APPLICATIONS

Over the last several years, industry has improved assembly processes and reduced the size and weight of components made from thin sheet metal and fasteners used to join these components. As a result, 0.5mm thick sheet metal is not an uncommon thickness for a typical assembly. Yet today's assembly solutions are limited and often poorly designed for both joint performance and overall cost efficiency.

FASTITE® 2000™ thread forming screws were developed to create strong mechanical joints with excellent thread engagement into untapped thin sheets, while providing the **"LOWER IN-PLACE COST SAVINGS"** associated with TRILOBULAR™ thread forming screws. FASTITE® 2000™ screws result in a cost-effective joint with increased failure torque and resistance to stripping, when compared to other fastener types and assemblies.



A Member of The TAPTITE 2000® Family of Fasteners





# FASTITE® 2000™ FASTENERS

## FASTITE® 2000™ Fastener Performance

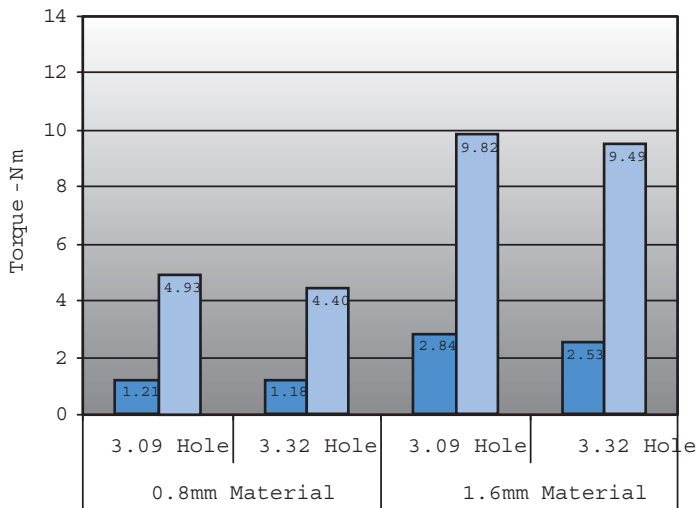
### Fasteners:

**M4 x 0.7 x 7mm Pozidriv Undercut Pan Head  
w/ Optional Serrations Under Head Zinc Finish**

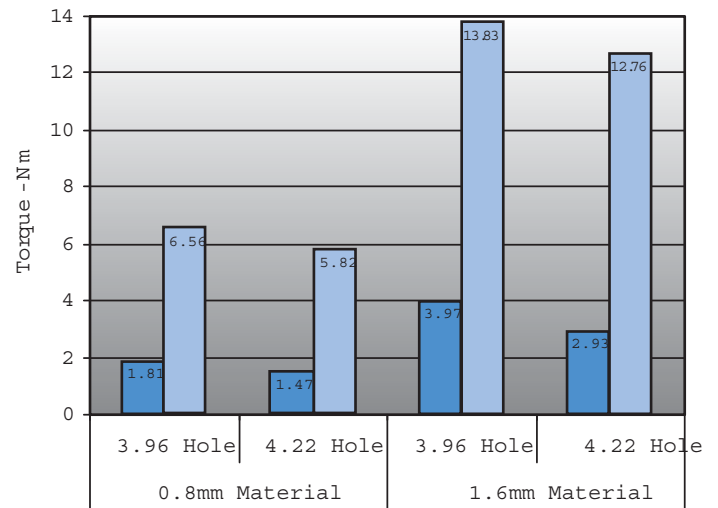
**M5 x 0.8 x 9mm Pozidriv Undercut Pan Head  
w/ Optional Serrations Under Head Zinc Finish**

Material: Steel, 0.8mm and 1.6mm thick  
Hardness: RB 85 {Brinell 142 (500kg)} Finish: Plain

**M4 FASTITE® 2000™ Fastener Performance**

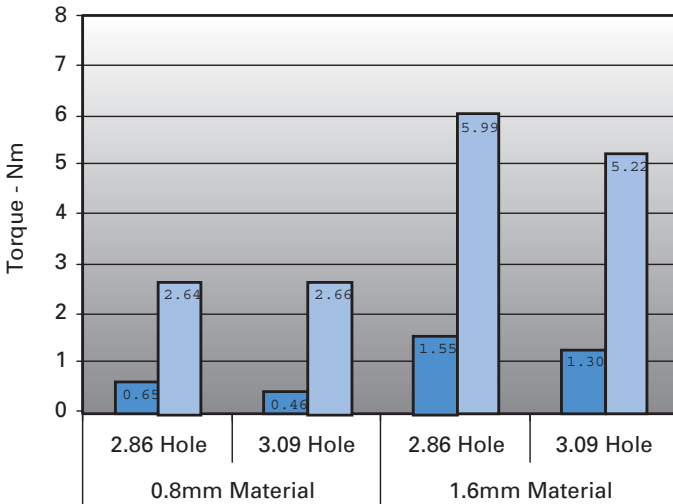


**M5 FASTITE® 2000™ Fastener Performance**

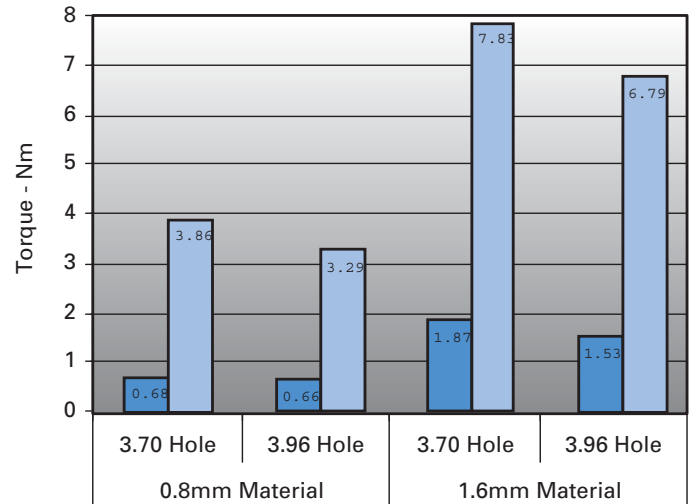


Material: Aluminum, 6061-T6, 0.8mm and 1.6mm thick.  
Hardness: RB51 {Brinell 84 (500kg)} Finish: Plain

**M4 FASTITE® 2000™ Fastener Performance**



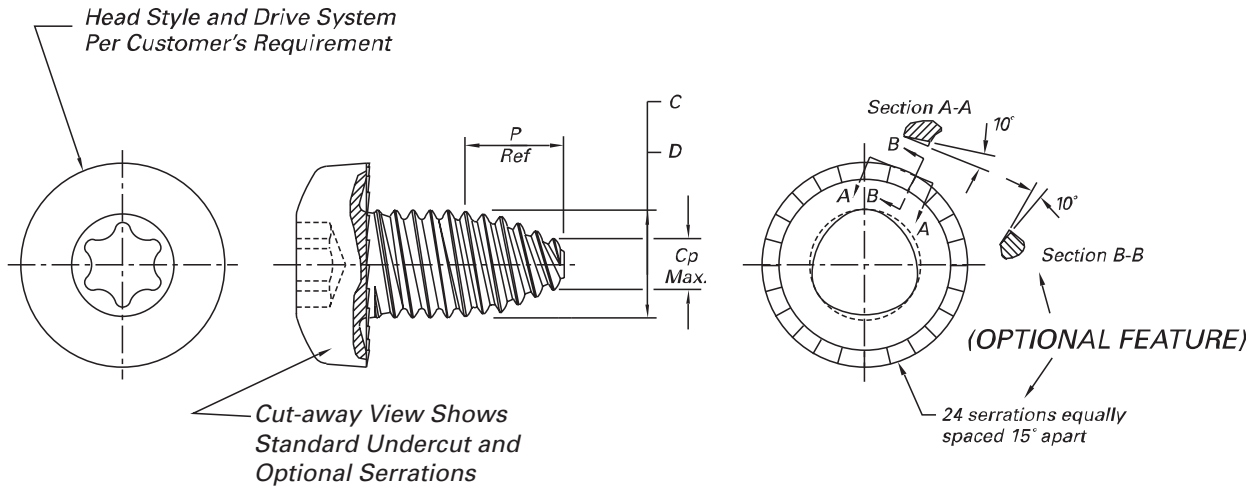
**M5 FASTITE® 2000™ Fastener Performance**



Thread Forming Torque     Strip Failure Torque



# FASTITE® 2000™ FASTENERS

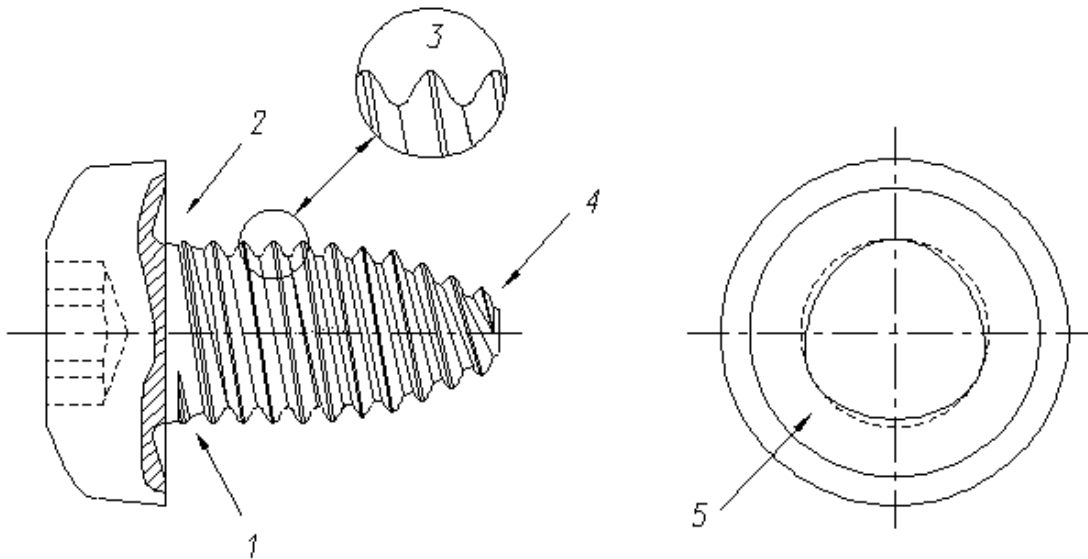


FASTITE® 2000™ Fastener Specifications						
Screw Size	Body Dimensions		Point Dimensions		* Recommended	
	C Nominal	D Nominal	Cp Max.	P Ref.	Steel	Aluminum
<b>Metric Sizes (mm)</b>				<b>Material Thickness 0.70 - 1.60mm</b>		
M2 x 0.40	2.00	1.96	1.00	1.80	1.48 - 1.61	1.35 - 1.48
M2.5 x 0.45	2.50	2.45	1.30	2.03	1.92 - 2.06	1.77 - 1.92
M3 x 0.50	3.00	2.95	1.70	2.25	2.35 - 2.51	2.19 - 2.35
M3.5 x 0.60	3.50	3.44	1.90	2.70	2.72 - 2.92	2.53 - 2.72
M4 x 0.70	4.00	3.93	2.20	3.15	3.09 - 3.32	2.86 - 3.09
M5 x 0.80	5.00	4.92	2.90	3.60	3.96 - 4.22	3.70 - 3.96
M6 x 1.00	6.00	5.90	3.40	4.50	4.70 - 5.03	4.38 - 4.70
<b>Inch Sizes (inches)</b>				<b>Material Thickness .028" - .063"</b>		
2-56	0.086	0.084	0.039	0.081	.063 - .069	.057 - 0.063
4-40	0.112	0.110	0.047	0.113	.080 - .088	.071 - .080
5-40	0.125	0.123	0.060	0.113	.093 - .101	.084 - .093
6-32	0.138	0.135	0.057	0.141	.097 - .108	.087 - .097
8-32	0.164	0.161	0.083	0.141	.123 - .134	.113 - .123
10-24	0.190	0.186	0.082	0.188	.136 - .149	.122 - .136
10-32	0.190	0.187	0.109	0.141	.149 - .160	.139 - .149
12-24	0.216	0.212	0.108	0.188	.162 - .175	.148 - .162
1/4-20	0.250	0.245	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 to customary allowance relative to process used.



## Performance Features



1. Tapered thread root adjacent to the screw head to maintain major thread diameter close to the head.
2. Undercut feature to increase assembly failure torque.
3. Radius Profile™ thread design combined with the twin-lead helix angle to provide a mating thread system whereby diametrically opposed threads are engaged.
4. Non cut-off "CA" style point for extruding in small holes.
5. TRILOBULAR™ screw thread body to provide "resistance to loosening".



Standard type AB screws lean over as the screw tends to align with the helix angle of the thread. Stripped threads or loose assemblies result.



FASTITE® 2000™ fastener starts straight and finishes straight, providing a secure, tight assembly. The twin-lead thread centers the fastener in the hole.

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