



Thread forming
Screw for Metal

K-TITE FASTENERS

K-TITE high performance thread rolling fasteners are specially designed to lower your in-place fastening costs.

K-TITE fasteners form internal threads into plain holes in ductile materials upon initial installation, which:

- Eliminates the need to pre-tap the nut member
- Reduces problems associated with assembling screws and bolts into pre-tapped holes, such as cross-threading



FEATURES AND BENEFITS

Trilo Configuration

- Reduces friction
- Increases prevailing torque
- Resists loosening caused by vibration
- Lower end load requirements

Radius Profile Thread

- Lowers thread forming torque without sacrificing performance
- Higher, more uniform drive-to-fail ratio
- Increased drive-to-strip ratio
- Resist internal thread stripping
- Excellent axial alignment

Roll Forms Own Work-hardened Mating Threads

- Results in higher strength internal threads due to the cold flow/work hardening that occurs during the forming of the nut thread

SPECIFICATIONS

Thread Style	Radius Profile thread with twin-lead helix angle
Head Styles	Undercut head
Drive Systems	All styles available;
Point Style	Standard point; also available in SP (short point) and CA point
Materials	Low carbon steel, medium carbon steel, stainless steel
Finishes	All typical fastener finishes are applicable

INSTALLATION SYSTEMS

K-TITE fasteners are installed with standard hand tools and automated systems "available in most" assembly process

INDUSTRY APPLICATIONS

Automotive

- Engine attachments
- Transmission assembly and attachments
- Transfer cases
- Door hinge mountings
- Attachment component assemblies
- Seat belt bolt applications
- Electrical assembly applications

Industrial

- Lawn and garden equipment
- Small engines

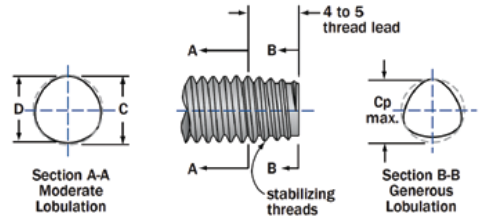
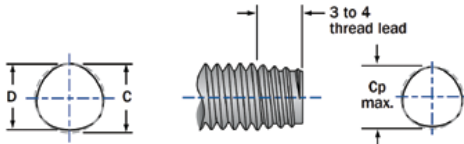
Construction

- Various structural applications

Business Equipment

- Printers
- Computer chassis and hard disk drives
- Telecommunications devices

DIMENSIONAL DATA



For M5 and smaller K-TITE fasteners have a special point design featuring a long lead (3-5 threads) for low thread-forming torque.

Larger sizes, M6 and above, have stabilizing threads to aid alignment and ease.

METRIC DATA

Screw Size	Screw Body Dimensions		Point
	C Nominal	D Nominal	Cp Max.
M2.0 x 0.40	2.00	1.96	1.77
M2.5 x 0.45	2.50	2.45	2.25
M3 x 0.5	3.00	2.95	2.71
M3.5 x 0.6	3.50	3.44	3.17
M4 x 0.7	4.00	3.93	3.60
M5 x 0.8	5.00	4.92	4.55
M6 x 1.0	6.00	5.90	5.38
M8 x 1.25	8.00	7.87	7.23
M10 x 1.5	10.00	9.85	9.08

LENGTH TOLERANCE

Metric per ANSI B18.6.7M

Nominal Screw Length	Tolerance on Length
to 3mm inclusive	±0.2mm
over 3 to 10mm inclusive	±0.3mm
over 10 to 16mm inclusive	±0.4mm
over 16 to 50mm inclusive	±0.5mm
over 50mm	±1.0mm