

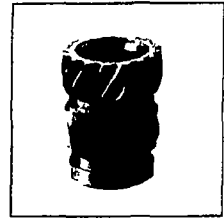
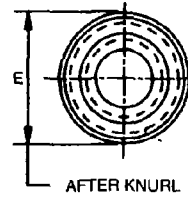
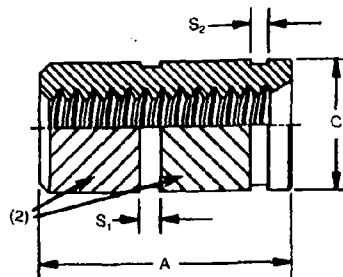
ULTRASONIC THREADED INSERTS

PART NO. DESIGNATION

IUT B — 440

Type Thread Code

Material



Types IUTB, IUTC

All dimensions are in inches.

UNIFIED	Thread Size	Type		Thread Code ⁽¹⁾	A ±.005	E ±.009	C Body Dia. ±.005	S ₁ ±.005	S ₂ ±.005	Hole Size in Material	
		Brass	Stainless Steel ^{NS}							Min. Hole Depth	Hole Dia. +.003 -.000
	.086-.56 (#2-.56)	IUTB™	IUTC™	256	.157	.137	.121	.031	.031	.187	.127
	.112-.40 (#4-.40)	IUTB	IUTC	440	.226	.179	.152	.031	.031	.256	.158
	.138-.32 (#6-.32)	IUTB	IUTC	632	.281	.210	.183	.031	.031	.311	.239
	.164-.32 (#8-.32)	IUTB	IUTC	832	.321	.243	.217	.031	.040	.358	.223
	.190-.24 (#10-.24)	IUTB	IUTC	024 ^{NS}	.375	.273	.247	.046	.046	.405	.253
	.190-.32 (#10-.32)	IUTB	IUTC	032	.375	.273	.247	.046	.046	.405	.253
	.250-.20 (1/4-.20)	IUTB	IUTC	0420	.500	.342	.310	.046	.062	.530	.316
	.250-.28 (1/4-.28)	IUTB	IUTC	0428 ^{NS}	.500	.342	.310	.046	.062	.530	.316
	.375-.16 (3/8-.16)	IUTB	IUTC	0616 ^{NS}	.500	.509	.462	.046	.062	.530	.468

All dimensions are in millimeters.

METRIC	Thread Size x Pitch	Type		Thread Code	A ±0.13	E ±0.23	C Dia. ±0.13	S ₁ ±0.13	S ₂ ±0.13	Hole Size in Material	
		Brass	Stainless Steel							Min. Hole Depth	Hole Dia. +0.08
	M2 x 0.4	IUTB™	IUTC™	M2	4	3.48	3.07	0.79	0.79	4.76	3.23
	M2.5 x 0.45	IUTB	IUTC	M2.5	5.74	4.55	3.89	0.79	0.79	6.5	3.98
	M3 x 0.5	IUTB	IUTC	M3	5.74	4.55	3.89	0.79	0.79	6.5	3.98
	M3.5 x 0.6	IUTB	IUTC	M3.5	7.14	5.33	4.65	0.79	0.79	7.9	4.81
	M4 x 0.7	IUTB	IUTC	M4	8.15	6.17	5.51	0.79	1.02	8.91	5.67
	M5 x 0.8	IUTB	IUTC	M5	9.52	6.93	6.27	1.17	1.17	10.28	6.43
	M6 x 1	IUTB	IUTC	M6	12.7	8.69	7.87	1.17	1.58	13.46	8.03

(1) Thread tapped thru, Class 3A/4h screw must pass with finger torque, but basic go gauge may stop at last thread.

(2) Manufacturing process may leave marks on knurl. Knurl bands have different diameters to provide better lead-in.

NS—Not stocked. Available on special order.

SI Type IUTB and IUTC metric sizes may only be available on special order. Please call to check availability.

TO ORDER CALL 1-800-338-3502 (in USA)

5

ET36107

PENN ENGINEERING & MANUFACTURING CORP.

AUTHORIZED DISTRIBUTORS

AEROSPACE COMPUTER SUPPLIES

9270 Bryant Avenue South
Minneapolis, MN 55420
Phone: (612) 884-4725
Toll Free: (800) 234-4725
FAX: (612) 884-5561

AEROSPACE SOUTHWEST

21450 North 3rd Avenue
Phoenix, AZ 85027
Phone: (602) 582-2779
Toll Free: (800) 289-2779
FAX: (602) 582-2019

S.W. ANDERSON COMPANY

2425 Wisconsin Avenue
P.O. Box 460
Downers Grove, IL 60515
Phone: (708) 964-2600
Toll Free: (800) 323-8462
FAX: (708) 964-2696

14627 Martin Drive
Eden Prairie, MN 55344
Phone: (612) 934-2700
Toll Free: (800) 433-0593
FAX: (612) 934-2716

6573-C Cochran Road
Solon, OH 44139
Toll Free: (800) 323-8462

COLORADO ELECTRONIC HARDWARE, INC.

4975 Iris Street
Wheatridge, CO 80073
Phone: (303) 431-4334
Toll Free: (800) 525-2129
FAX: (303) 420-0479

R.C. DUDEK & CO., INC.

800 Del Norte Blvd.
Oxnard, CA 93030
Phone: (805) 988-4882
Toll Free: (800) 488-1990
FAX: (805) 988-1254

2115 Old Oakland Road
San Jose, CA 95131
Phone: (408) 321-9011
FAX: (408) 321-0220

ENGINEERED COMPONENTS, INC.

404 Dividend Drive
Peachtree City, GA 30269
Phone: (404) 487-7600
Toll Free: (800) 241-9300
FAX: (404) 487-2730

HI-TECH FASTENERS, INC.

416 N. Stonestreet Avenue
Rockville, MD 20850
Phone: (301) 738-1941
Toll Free: (800) 466-1940
FAX: (301) 738-1945

INTERFAST, INC.

21 Constellation Court
Rexdale, Ontario
M9W 1K4 Canada
Phone: (416) 674-0770
FAX: (416) 674-5804

NAPPCO FASTENER COMPANY

P.O. Box 55586
11260 Hempstead Road
Houston, TX 77255-5586
Phone: (713) 688-2521
Toll Free: (800) 580-2521
FAX: (713) 957-4315

NEW YORK FASTENER CORP.

599 Industrial Avenue
Paramus, NJ 07652
Phone: (201) 265-8770
Toll Free: (800) 631-1993
FAX: (201) 265-3765

D.B. ROBERTS COMPANY

54 Jonspin Road
Wilmington, MA 01887
Phone: (508) 658-7000
Toll Free: (800) 800-6887
FAX: (508) 658-2900

3218 Belt Line Road - Suite 510
Dallas, TX 75234
Phone: (214) 241-7511
Toll Free: (800) 800-9991
FAX: (214) 358-8839

3 Town Line Circle
Rochester, NY 14623
Phone: (716) 475-0070
Toll Free: (800) 788-4004
FAX: (716) 475-0887

TOWER FASTENERS CO., INC.

1690 North Ocean Avenue
Holtsville, NY 11742-1823
Phone: (516) 289-8800
Toll Free: (800) 688-6937
FAX: (516) 289-8810

TRAL S.A. DE C.V.

Volcan Paricutin No. 6284
C.P. 45070
El Colli, Zapopan, Jal. Mexico
Phone: 36-28-28-24
FAX: 36-20-07-85

Product purchases/inquiries can be made directly to the factory by dialing (800) 338-3502.

All specifications in this catalog are presented as accurately and up-to-date as possible. We reserve the right to make changes to any information contained in this catalog without notice.

We recommend that you test a particular product to be sure it is ideally suited to your application. We will be happy to provide samples for this purpose and our engineering representatives can also help you with your selection.

ET36108