

# Locating Pins for Jigs & Fixtures –Nut Fixing–

These Pins have a male thread on the shank side and can be secured on the opposite side of a mounting plate. The "D" dimension helps to precisely locate the pin. The shank undercut allows the pin to be fully inserted into the mounting fixture. Use diamond pins with slight dimensional misalignment (P.326).

Material	Hardness	Type	
		Round	Diamond
4137 Steel	35 ~ 40HRC	U-ELNNA	U-ELNND

Material Characteristics P.628

General Tolerance: Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	±0.01
5.001	16.000	±0.02
16.001	60.000	±0.05

Thread or hole location tolerance: ±0.005" non-cumulative.

Surface Roughness: Unless otherwise specified.

Type	Part No.			P Choose in 0.001" Increments	B Choose in 0.01" Increments	L Selection					d1	R	T (Thread)	(W)
	D					3/8	1/2	5/8	3/4	13/16				
	Callout	Nominal	Tolerance											
U-ELNNA	0.38	3/8	0.3748	0.3744	0.500 ~ 0.688	0.19 ~ 1.13	0.38	0.50	0.63	0.50	0.156	3/8-16	0.156	
U-ELNND	0.50	1/2	0.4998	0.4994	0.625 ~ 1.000	0.19 ~ 1.13	0.50	0.63	0.75	0.63	0.250	1/2-13	0.250	
	0.63	5/8	0.6248	0.6244	1.000 ~ 1.250	0.19 ~ 1.13	0.63	0.75	0.81	0.75	0.313	5/8-11	0.313	

Order Example: The part number consists only of the fields with blue characters.

Part No. — P — B — L

Type D

U-ELNNA 0.38 — P 0.563 — B 0.63 — L 0.50

Days to Ship: 8 Days

Price: \$

Quantity Discount Rate:

Quantity	Rate
1-4	—
5-19	5%
20-49	10%
50-	15%

Optional Modifications: Part No. — P — B — L — (Ordering Code) (TC, RC)

Type D

U-ELNNA 0.38 — P 0.563 — B 0.63 — L 0.50 — TC 10

Optional Modifications	Tip Angle	Thread Diameter
	RC	TC
Details	Changes tip angle. [Selection] 60°, 90°, 120° [Example] RC60 In the case of 90° and 120° the tip has a centerdrilled hole.	Changes thread diameter. D Thread Selection (Callout) #8-32   #10-32   1/4-20   5/16-18   3/8-16   1/2-13 0.38 8 10 0.25 0.31 0.50 10 0.25 0.31 0.38 0.63 10 0.25 0.31 0.38 0.50 Thread Dia. 0.164 0.190 0.250 0.313 0.375 0.500 [Example] TC0.50
	\$ Price Adder	2.00

When using Optional Modifications, add the "Price Adder" to the standard "Unit Price".

# Locating Pins for Jigs & Fixtures –Set Screw Fixing–

Similar to the pins from previous page, but with an ability to lock the pin in the fixture with a set screw. The angled undercut is provided for side fastening with a regular set screw. The recommended set screw size for each pin diameter can be found in the table. The undercut prevents shank damage and the centerline of the set screw should be located  $\ell_1 \times 1.5$  from the back of the shank. Use diamond pins with slight dimensional misalignment (P.326).

Material	Hardness	Type	
		Round	Diamond
4137 Steel	35 ~ 40HRC	U-ELNTA	U-ELNTD

Material Characteristics P.628

General Tolerance: Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	±0.01
5.001	16.000	±0.02
16.001	60.000	±0.05

Thread or hole location tolerance: ±0.005" non-cumulative.

Surface Roughness: Unless otherwise specified.

Type	Part No.			P Choose in 0.001" Increments	B Choose in 0.01" Increments	L	d1	d	R	Compatible Set Screw	(W)	
	D											
	Callout	Nominal	Tolerance									
U-ELNTA	0.38	3/8	0.3748	0.3744	0.500 ~ 0.688	0.19 ~ 1.13	0.38	0.313	0.281	0.156	1/4-20	0.156
U-ELNTD	0.50	1/2	0.4998	0.4994	0.625 ~ 1.000	0.19 ~ 1.13	0.50	0.375	0.406	0.250	5/16-18	0.250
	0.63	5/8	0.6248	0.6244	1.000 ~ 1.250	0.19 ~ 1.13	0.50	0.375	0.531	0.313	5/16-18	0.313

Order Example: The part number consists only of the fields with blue characters.

Part No. — P — B

Type D

U-ELNTD 0.50 — P 0.625 — B 0.63

Days to Ship: 8 Days

Price: \$

Quantity Discount Rate:

Quantity	Rate
1-4	—
5-19	5%
20-49	10%
50-	15%

Optional Modification: Part No. — P — B — (Ordering Code)

Type D

U-ELNTD 0.50 — P 0.625 — B 0.63 — RC 60

Optional Modification	Tip Angle
	RC
Detail	Changes tip angle. [Selection] 60°, 90°, 120° [Example] RC60 In the case of 90° and 120° the tip has a centerdrilled hole.
	\$ Price Adder

When using Optional Modification, add the "Price Adder" to the standard "Unit Price".

EX Example

