

# Precision Pivot Pins – Threaded Shank with Hex Socket Head–

Our Precision Pivot Pins are offered in many popular configurations with configurable length selection (with very fine 0.001" increments). All pins have very high precision O.D. tolerance for consistent fit and good functional reliability. Available in 1045 Steel soft/hard and 304 stainless steel. Modifications such as length tolerance or thread size are available for this product. Simply add the modification designation to the end of the part number.

**Price Revision**  
□: New Price

Material	Hardness	Surface Treatment	Type
1045 Steel	-	Black Oxide	U-CLBR
	40-45HRC		U-CLBRH
304 Stainless Steel	-		U-SCLBR

Material Characteristics **P. 628, 629**

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.

U-CLBR non-hardened pins are marked on one end to distinguish them from hardened pins. Undercut dimensions (N, d) are reference values.

Surface Roughness: Unless otherwise specified  $1000\sqrt{\text{in}}$

Type	Part No.			L Choose in 0.001" Increments	\$ Unit Price			
	Callout	Nominal	Tolerance		U-CLBR	U-CLBRH	U-SCLBR	
U-CLBR U-CLBRH U-SCLBR	0.19	3/16	0.1874	0.1871	0.50 ~ 2.50	6.70	8.50	10.30
	0.25	1/4	0.2498	0.2494	0.750 ~ 4.000	6.80	8.60	10.90
	0.38	3/8	0.3748	0.3744	0.750 ~ 4.000	10.30	12.30	14.60
	0.50	1/2	0.4998	0.4994	1.000 ~ 5.500	12.50	15.30	19.10
	0.63	5/8	0.6248	0.6244	1.250 ~ 5.500	16.30	17.50	20.40
	0.75	3/4	0.7497	0.7492	1.250 ~ 5.500	21.10	23.20	26.50
	1.00	1"	0.9997	0.9992	1.500 ~ 5.500	23.90	26.50	31.90

**Order Example** The part number consists only of the fields with blue characters. Please refer to the table below for technical information.

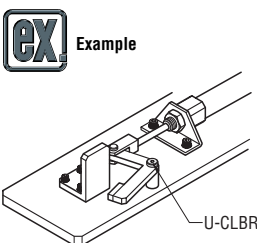
Part No.  L

Type  D

U-CLBR 0.50 – L 4.000

### Technical Information

D Callout	Nominal	A	H	F	B	E	(d)	(N)	T (Thread)		Compatible Nuts
									Size	Major Dia.	
0.19	3/16	0.31	0.188	0.188	0.109	0.078	0.185	0.06	#6-32	0.14 (0.138)	#6-32
0.25	1/4	0.38	0.188	0.344	0.125	0.094	0.247	0.06	#10-32	0.19 (0.190)	#10-32
0.38	3/8	0.50	0.219	0.438	0.151	0.111	0.372	0.06	5/16-18	0.31 (0.313)	5/16-18
0.50	1/2	0.75	0.219	0.625	0.250	0.188	0.497	0.06	3/8-16	0.38 (0.375)	3/8-16
0.63	5/8	0.88	0.219	0.688	0.313	0.245	0.622	0.06	1/2-13	0.50 (0.500)	1/2-13
0.75	3/4	1.00	0.219	0.875	0.375	0.307	0.747	0.06	5/8-11	0.63 (0.625)	5/8-11
1.00	1"	1.31	0.219	1.000	0.500	0.375	0.997	0.06	3/4-10	0.75 (0.750)	3/4-10



**Days to Ship** Standard  6 Days Express  4 Days (Specify Express A) \$ 2.00/piece **P. 30**

⊕ Non-Returnable **P. 30** ⊕ A flat charge of \$5.40 for 3 or more identical pieces.

**Optional Modifications** Part No.  L (Ordering Code) (FC, TC, LKC) Price  D

U-CLBR 0.50 – L 4.000 – LKC

**Quantity Discount Rate**

Quantity	1	2-4	5-19	20-
Rate	—	5%	15%	20%

⊕ For larger quantity orders "Days to Ship" may differ from published catalog term. **P. 29**

Optional Modifications	Thread Size Modification	Thread Length Modification	Length Tolerance Modification
<b>Ordering Code</b>	TC	FC	LKC
<b>Details</b>	Example TC8 D #5-40 #6-32 #8-32 #10-32 1/4-20 5/16-18 3/8-16 1/2-13 0.19 5 0.25 5 6 8 0.38 5 6 8 10 0.25 0.50 5 6 8 10 0.25 0.63 10 0.25 0.31 0.75 0.25 0.31 0.38 1.00 0.31 0.38 0.50	Example FC0.25 ⊕ FC=0.01" Increments ⊕ 0.125<FC≤ T Dia. (TC Dia.) x 3	Example LKC Changes the Length tolerance to ±0.002
<b>\$ Price Adder</b>	2.00	2.00	5.00

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



# Precision Pivot Pins – Tapped End with Head–

Our Precision Pivot Pins are offered in many popular configurations with configurable length selection (with very fine 0.001" increments). All pins have very high precision O.D. tolerance for consistent fit and good functional reliability. Available in 1045 Steel soft/hard and 304 stainless steel. Modifications such as length tolerance or thread size are available for this product. Simply add the modification designation to the end of the part number.

**Price Revision**  
□: New Price

Material	Hardness	Surface Treatment	Type
1045 Steel	-	Black Oxide	U-HCLBM
	40-45HRC		U-HCLBMH
304 Stainless Steel	-		U-SHCLBM

Material Characteristics **P. 628, 629**

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.

U-HCLBM non-hardened pins are marked on one end to distinguish them from hardened pins. Undercut dimensions (N, d) are reference values.

Surface Roughness: Unless otherwise specified  $1000\sqrt{\text{in}}$

Type	Part No.			L Choose in 0.001" Increments	\$ Unit Price			
	Callout	Nominal	Tolerance		U-HCLBM	U-HCLBMH	U-SHCLBM	
U-HCLBM U-HCLBMH U-SHCLBM	0.25	1/4	0.2498	0.2494	0.750 ~ 4.000	5.40	6.80	8.30
	0.38	3/8	0.3748	0.3744	0.750 ~ 4.000	8.00	9.60	11.40
	0.50	1/2	0.4998	0.4994	1.000 ~ 5.500	11.40	12.00	15.30
	0.63	5/8	0.6248	0.6244	1.250 ~ 5.500	13.40	13.80	16.50
	0.75	3/4	0.7497	0.7492	1.250 ~ 5.500	17.30	18.20	21.60
	1.00	1"	0.9997	0.9992	1.500 ~ 5.500	21.10	21.80	26.20

**Order Example** The part number consists only of the fields with blue characters. Please refer to the table below for technical information.

Part No.  L

Type  D

U-HCLBM 0.50 – L 4.000

### Technical Information

D Callout	Nominal	A	B	H	(d)	(N)	T (Thread)	T1
0.38	3/8	0.50	0.438	0.219	0.372	0.06	#8-32	0.33
0.50	1/2	0.75	0.625	0.219	0.497	0.06	#10-32	0.38
0.63	5/8	0.88	0.750	0.219	0.622	0.06	1/4-20	0.50
0.75	3/4	1.00	0.875	0.219	0.747	0.06	5/16-18	0.63
1.00	1"	1.31	1.125	0.219	0.997	0.06	3/8-16	0.75

**Days to Ship** Standard  6 Days Express  4 Days (Specify Express A) \$ 2.00/piece **P. 30**

⊕ Non-Returnable **P. 30** ⊕ A flat charge of \$5.40 for 3 or more identical pieces.

**Optional Modifications** Part No.  L (Ordering Code) (LKC, TC, HC) Price  D

U-HCLBM 0.50 – L 4.000 – LKC

**Quantity Discount Rate**

Quantity	1	2-4	5-19	20-
Rate	—	5%	15%	20%

⊕ For larger quantity orders "Days to Ship" may differ from published catalog term. **P. 29**

Optional Modifications	Thread Size Modification	Head Thickness Modification	Length Tolerance Modification
<b>Ordering Code</b>	TC	HC	LKC
<b>Details</b>	Example TC8 D #5-40 #6-32 #8-32 #10-32 1/4-20 5/16-18 0.25 5 0.38 5 6 0.50 5 6 8 0.63 6 8 10 0.75 10 0.25 1.00 0.25 0.31 Thread Depth 0.25 0.28 0.33 0.38 0.50 0.63 ⊕ L>T1	Example HC0.203 ⊕ HC=0.001" Increments ⊕ 0.094<HC<0.219 ⊕ Overall Length=L+H+HC	Example LKC Changes the Length tolerance to ±0.002
<b>\$ Price Adder</b>	2.00	3.00	5.00

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

**Express Options** **P. 30**

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