

Precision Pivot Pins

-Threaded End with Head-



Our Precision Pivot Pins are offered in many popular configurations with either selectable or configurable length (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 head thickness or thread size are available for this product. Simply add the modification ordering code to the end of the part number.



□: New Price

Material	Hardness	Surface Treatment	Type
1045 Steel	-	Black Oxide	U-CLBDG
	40-45HRC		U-CLBDGH
304 Stainless Steel	-	-	U-SCLBDG

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-CLBDG 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√

Standard L Dimension

Type	Part No.			L Selection (Callout)								\$ Unit Price (Qty. 1-19)			
	Callout	Nominal	Tolerance	3/8	1/2	5/8	3/4	1"	1-1/4	1-1/2	1-3/4	2"	U-CLBDG	U-CLBDGH	U-SCLBDG
U-CLBDG U-CLBDGH U-SCLBDG	0.13	1/8	0.1249 0.1246	0.38	0.50	0.63	0.75	1.00					2.90	3.00	3.50
	0.19	3/16	0.1874 0.1871	0.38	0.50	0.63	0.75	1.00					3.00	3.10	3.80
	0.25	1/4	0.2498 0.2494			0.63	0.75	1.00	1.25	1.50			3.40	3.80	4.30
	0.38	3/8	0.3748 0.3744				0.75	1.00	1.25	1.50	1.75		4.30	4.70	6.60
	0.50	1/2	0.4998 0.4994					1.00	1.25	1.50	1.75	2.00	5.40	6.10	9.00

Order Example: Part No. [] L [] Type [] D [] U-CLBDG 0.50 - L 2.00

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

Technical Information

Callout	D		A	B	H	F	(d)	(N)	T (Thread)		Compatible Nuts	L		
	Callout	Nominal							Size	Major Dia.		Callout	Nominal	Dimension
0.13	1/8	0.25	0.188	0.125	0.156	0.122	0.06	#4-40	0.11 (0.112)	#4-40	0.38	3/8	0.375	
0.19	3/16	0.31	0.250	0.156	0.188	0.185	0.06	#6-32	0.14 (0.138)	#6-32	0.50	1/2	0.500	
0.25	1/4	0.38	0.313	0.188	0.344	0.247	0.06	#10-32	0.19 (0.190)	#10-32	0.63	5/8	0.625	
0.38	3/8	0.50	0.438	0.219	0.438	0.372	0.06	5/16-18	0.31 (0.313)	5/16-18	0.75	3/4	0.750	
0.50	1/2	0.75	0.625	0.219	0.625	0.497	0.06	3/8-16	0.38 (0.375)	3/8-16	1.00	1"	1.000	
											1.25	1-1/4	1.250	
											1.50	1-1/2	1.500	
											1.75	1-3/4	1.750	
											2.00	2"	2.000	

Days to Ship: 1 Day

Price: Quantity Discount Rate

Quantity	1-19	20-49	50-99	100~
Rate	-	2%	3%	5%

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

Material	Hardness	Surface Treatment	Type
1045 Steel	-	Black Oxide	U-CLBGN
	40-45HRC		U-CLBGNH
304 Stainless Steel	-	-	U-SCLBGN

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-CLBGN 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√

Configurable L Dimension

Type	Part No.			L Choose in 0.001" Increments			\$ Unit Price		
	Callout	Nominal	Tolerance	U-CLBGN	U-CLBGNH	U-SCLBGN			
U-CLBGN U-CLBGNH U-SCLBGN	0.13	1/8	0.1249 0.1246	5.40	6.60	8.00			
	0.19	3/16	0.1874 0.1871	5.70	6.80	8.50			
	0.25	1/4	0.2498 0.2494	5.80	7.20	8.70			
	0.38	3/8	0.3748 0.3744	8.50	10.10	12.00			
	0.50	1/2	0.4998 0.4994	12.00	12.80	16.20			
	0.63	5/8	0.6248 0.6244	14.00	14.40	17.30			
	0.75	3/4	0.7497 0.7492	18.20	19.10	22.90			
	1.00	1"	0.9997 0.9992	20.90	22.30	26.10			

Order Example: Part No. [] L [] Type [] D [] U-CLBGN 0.50 - L 4.000

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

Technical Information

Callout	D		A	B	H	F	(d)	(N)	T (Thread)		Compatible Nuts
	Callout	Nominal							Size	Major Dia.	
0.13	1/8	0.25	0.188	0.125	0.156	0.122	0.06	#4-40	0.11 (0.112)	#4-40	
0.19	3/16	0.31	0.250	0.156	0.188	0.185	0.06	#6-32	0.14 (0.138)	#6-32	
0.25	1/4	0.38	0.313	0.188	0.344	0.247	0.06	#10-32	0.19 (0.190)	#10-32	
0.38	3/8	0.50	0.438	0.219	0.438	0.372	0.06	5/16-18	0.31 (0.313)	5/16-18	
0.50	1/2	0.75	0.625	0.219	0.625	0.497	0.06	3/8-16	0.38 (0.375)	3/8-16	
0.63	5/8	0.88	0.750	0.219	0.688	0.622	0.06	1/2-13	0.50 (0.500)	1/2-13	
0.75	3/4	1.00	0.875	0.219	0.875	0.747	0.06	5/8-11	0.63 (0.625)	5/8-11	
1.00	1"	1.31	1.125	0.219	1.000	0.997	0.06	3/4-10	0.75 (0.750)	3/4-10	

Days to Ship: Standard 6 Days, Express 4 Days (\$2.00/piece P.30)

Price: Quantity Discount Rate

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

Optional Modifications: Part No. [] L [] (Ordering Code) (HC, FC, TC...etc) Type [] D [] U-CLBGN 0.50 - L 4.000 - LKC

Optional Modifications	Thread Length Modification	Thread Size Modification	Head Thickness Modification	Length Tolerance Modification
Ordering Code	FC	TC	HC	LKC
Details	Example FC0.25 FC=0.01" Increments 0.125<FC<T Dia.(TC Dia.) x 3	Example TC8 TC=0.001" Increments 0.094<HC<0.219 Overall Length=L+F+HC	Example HC0.203 TC=0.001" Increments 0.094<HC<0.219 Overall Length=L+F+HC	Example LKC Changes the Length tolerance to ±0.002
\$ Price Adder	2.00	2.00	3.00	5.00

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

Related Components



Contents

How to Use the Catalog

Linear Motion

Linear Shafts

Bushings

Shaft Supports
Shaft Collars

Linear Guides

Rotary Motion

Rotary Shafts

Bearings w/
Housings

Pulleys
Belts
Couplings

Locating Components

Locating Pins & Bushings

Locating Components

General Components

Pivot Pins
Floating Joints

Posts
Device Stands
Strut Clamps

Angle Plates
Gussets
Welded Stands

Washers
Collars

Manifolds

Urethanes
Rubbers

Plates

Misc.

Technical Data

Business Information

Index