

Precision Pivot Pins

—Standard with Head and Retaining Ring Groove—



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. Head thickness modification is 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-HCDG
	40-45HRC		U-HCDGH
304 Stainless Steel	-	-	U-SHCDG

Material Characteristics **P. 628, 629**

U-HCDG Identification Mark

Surface Roughness: Unless otherwise specified $\sqrt{100}$

U-HCDG non-hardened pins are marked on one end to distinguish them from hardened pins.

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.

Material	Hardness	Surface Treatment	Type
1045 Steel	-	Black Oxide	U-HCCG
	40-45HRC		U-HCCGH
304 Stainless Steel	-	-	U-SHCCG

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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.

Standard L Dimension

Type	Part No.			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-HCDG	U-HCDGH	U-SHCDG
U-HCDG U-HCDGH U-SHCDG	0.13	1/8	0.1249 0.1246	0.38	0.50	0.63	0.75	1.00					2.60	2.70	2.90
	0.19	3/16	0.1874 0.1871	0.38	0.50	0.63	0.75	1.00					2.70	2.90	3.20
	0.25	1/4	0.2498 0.2494			0.63	0.75	1.00	1.25	1.50			3.00	3.20	3.70
	0.38	3/8	0.3748 0.3744				0.75	1.00	1.25	1.50	1.75		3.80	3.90	5.10
	0.50	1/2	0.4998 0.4994					1.00	1.25	1.50	1.75	2.00	4.10	4.20	5.90

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-HCDG 0.50 — L 2.00

Technical Information

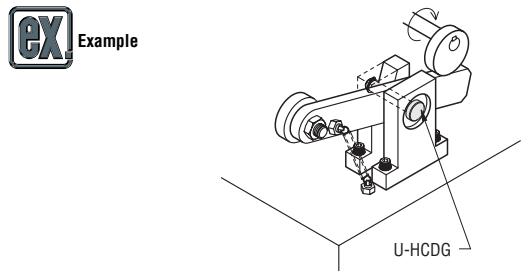
D		d		M		N	R max	Compatible Retaining Rings (ASME B18.27-1998)	H	A	L		
Callout	Nominal	Diameter	Tolerance	Width	Tolerance						Callout	Nominal	Dimension
0.13	1/8	0.117	0.1185 0.1155	0.012	0.014 0.012	0.094	0.002	NA1-12	0.063	0.25	0.38	3/8	0.375
0.19	3/16	0.175	0.1765 0.1735	0.018	0.020 0.018	0.094	0.002	NA1-18	0.063	0.31	0.50	1/2	0.500
0.25	1/4	0.230	0.2315 0.2285	0.029	0.032 0.029	0.094	0.003	NA1-25	0.063	0.38	0.63	5/8	0.625
0.38	3/8	0.352	0.3540 0.3500	0.029	0.032 0.029	0.125	0.005	NA1-37	0.094	0.50	0.75	3/4	0.750
0.50	1/2	0.468	0.4700 0.4660	0.039	0.042 0.039	0.156	0.005	NA1-50	0.125	0.63	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

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



Configurable L Dimension

Type	Part No.			Choose in 0.001" Increments	\$ Unit Price		
	Callout	Nominal	Tolerance		U-HCCG	U-HCCGH	U-SHCCG
U-HCCG U-HCCGH U-SHCCG	0.13	1/8	0.1249 0.1246	0.500 ~ 2.000	7.30	9.00	10.00
	0.19	3/16	0.1874 0.1871	0.500 ~ 2.500	8.60	10.90	12.00
	0.25	1/4	0.2498 0.2494	0.750 ~ 4.000	8.90	11.40	12.50
	0.38	3/8	0.3748 0.3744	0.750 ~ 4.000	9.90	12.40	13.90
	0.50	1/2	0.4998 0.4994	1.000 ~ 5.500	11.10	14.20	16.70
	0.63	5/8	0.6248 0.6244	1.250 ~ 5.500	13.00	16.60	18.60
	0.75	3/4	0.7497 0.7492	1.250 ~ 5.500	13.90	17.70	20.00
	1.00	1"	0.9997 0.9992	1.500 ~ 5.500	15.10	18.90	21.10

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-HCCG 0.50 — L 4.000

Technical Information

D		d		M		N	R max	Compatible Retaining Rings (ASME B18.27-1998)	H	A
Callout	Nominal	Diameter	Tolerance	Width	Tolerance					
0.13	1/8	0.117	0.1185 0.1155	0.012	0.014 0.012	0.094	0.002	NA1-12	0.063	0.25
0.19	3/16	0.175	0.1765 0.1735	0.018	0.020 0.018	0.094	0.002	NA1-18	0.063	0.31
0.25	1/4	0.230	0.2315 0.2285	0.029	0.032 0.029	0.094	0.003	NA1-25	0.063	0.38
0.38	3/8	0.352	0.3540 0.3500	0.029	0.032 0.029	0.125	0.005	NA1-37	0.094	0.50
0.50	1/2	0.468	0.4700 0.4660	0.039	0.042 0.039	0.156	0.005	NA1-50	0.125	0.63
0.63	5/8	0.588	0.5910 0.5850	0.039	0.042 0.039	0.156	0.005	NA1-62	0.125	0.81
0.75	3/4	0.704	0.7070 0.7010	0.046	0.049 0.046	0.156	0.005	NA1-75	0.156	0.94
1.00	1"	0.940	0.9430 0.9370	0.046	0.049 0.046	0.156	0.005	NA1-100	0.156	1.19

Days to Ship **6** Days Non-Returnable P.30

Express
4 Days (Specify Express A) \$ 2.00/piece P.30
A flat charge of \$5.40 for 3 or more identical pieces.

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 Modification

Part No. — L — (Ordering Code)

Type — D

U-HCCG 0.50 — L 4.000 — HC 0.141

Head Thickness Modification

Ordering Code HC

Detail

Example HC 0.141

- HC=0.001" Increments
- H<HC≤0.188
- Overall length=L+N+HC

\$ Price Adder 3.00

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

Related Components



Express Options P.30

MISUMI
www.misumiusa.com E-mail: inquire@misumiusa.com

TEL.1-847-843-9105 FAX.1-847-843-9107 TOLL FREE TEL.1-800-681-7475 TOLL FREE FAX.1-800-681-7402

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