Please, refer to website for current Pricing and Lead Time

Add. Spec. Printed in Red

Precision Pivot Pins

–Lock Nut with Flange–

Reduced Production Time

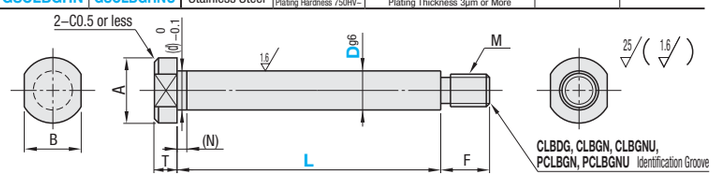
Price Revision

: New Price

RoHS

Type: L Dimension Selectable / Standard Nuts	Type: L Dimension Configurable / Standard Nuts	Type: L Dimension Configurable / U Nuts	M	H	S	A (1 pc.) Standard Nuts	A (1 pc.) U Nuts
CLBDG	CLBGN	CLBGNU	1045 Carbon Steel	–	Black Oxide	M SWRCH Carbon Steel	M 1018 Carbon Steel (U-NUT)
CLBDGH	CLBGHN	CLBGHNU		40~45HRC			
–	PCLBGN	PCLBGNU		–	Electroless Nickel Plating	M 304 Stainless Steel	M 304 Stainless Steel (U-NUT)
	PCLBGHN	PCLBGHNU		40~45HRC			
	GCLBGN	GCLBGNU		Plating Hardness 750HV~	Hard Chrome Plating Plating Thickness 3μm or More	M SWRCH Carbon Steel	M 1018 Carbon Steel (U-NUT)
SCLBDG	SCLBGN	SCLBGNU	304 Stainless Steel	–	–	M 304 Stainless Steel	M 304 Stainless Steel (U-NUT)
–	SCLBGHN	SCLBGHNU	440C Stainless Steel	45~50HRC			
	GSCLBGHN	GSCLBGHNU		45~50HRC Plating Hardness 750HV~	Hard Chrome Plating Plating Thickness 3μm or More		

D Tolerance (g6)	
4~6	−0.004 −0.012
8・10	−0.005 −0.014
12~18	−0.006 −0.017
20~25	−0.007 −0.020



Refer to P.1382 for details of U nut specifications

Identification grooves at the side of **CLBDG**, **CLBGN**, **CLBGNU**, **PCLBGN**, **PCLBGNU** for distinction from Hardened Type

Relief dimension under flange is for reference. L Dimension Tolerance P.608

L Dimension Selectable

Part Number Type	D	L	A	B	T	F	(d)	(N)	M (Coarse)	Attached Nuts	Unit Price Qty. 1~19 CLBDG	CLBDGH	SCLBDG
CLBDG CLBDGH (Hardened Type) SCLBDG (Stainless Steel)	4	10 12 14 15 16 18 20 22 24 25 30	7	5	3	6	3.9	1.5	M 3	M 3x0.5	2.90	3.10	3.50
	5		9	7	4		4.9		M 4	M 4x0.7	3.10	3.20	3.90
	6	15 16 18 20 22 24 25 30	10	8	5	9	5.8		M 5	M 5x0.8	3.40	3.90	4.40
	8	15 16 18 20 22 24 25 30 35 40 45 50	13	10			7.8		M 6	M 6x1.0	3.90	4.20	5.50
	10	18 20 22 24 25 30 35 40 45 50	16	13		12	9.8		M 8	M 8x1.25	4.70	5.20	7.30
	12	22 24 25 30 35 40 45 50	18	14		16	11.8		M10	M10x1.5	5.90	6.70	9.90

Part Number – L

SCLBDG8 – 30

1 Day

Volume Discount Rate

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

For larger quantity orders "Days to Ship" may differ from published catalog term. P.91

L Dimension Configurable (0.1mm Increment)

Part Number Type	D	L 0.1mm Increment	A	B	T	F	(d)	(N)	M (Coarse)	Attached Nuts	Unit Price Standard Nuts CLBGN	CLBGHN	PCLBGN	PCLBGHN	GCLBGN	SCLBGN	SCLBGHN	GSCLBGHN	U Nuts CLBGNU	CLBGHNU	PCLBGNU	PCLBGHNU	GCLBGNU	SCLBGNU	SCLBGHNU	GSCLBGHNU
Standard Nuts CLBGN CLBGHN PCLBGN PCLBGHN GCLBGN SCLBGN SCLBGHN GSCLBGHN U Nuts CLBGNU CLBGHNU PCLBGNU PCLBGHNU GCLBGNU SCLBGNU SCLBGHNU GSCLBGHNU	4	5.0~ 50.0	7	5	3	6	3.9	1.5	M 3	M 3x0.5	4.60	5.40	5.60	7.20	11.10	6.70	8.90	17.70	–	–	–	–	–	–	–	–
	5	5.0~ 60.0	9	7	4		4.9		M 4	M 4x0.7	4.70	5.70	5.80	7.50	11.80	7.00	9.10	18.30	5.20	6.20	6.70	8.30	13.40	8.50	10.60	21.10
	6	10.0~100.0	10	8	5	9	5.8		M 5	M 5x0.8	4.80	6.10	6.10	7.70	12.00	7.30	9.50	18.90	5.20	6.30	6.80	8.60	13.80	8.70	10.90	21.80
	8		13	10			7.8		M 6	M 6x1.0	6.20	7.20	7.50	9.40	14.90	8.90	11.60	23.20	6.60	7.60	8.60	10.50	17.20	10.60	13.30	26.60
	10		16	13		12	9.8		M 8	M 8x1.25	7.00	8.50	8.50	10.60	16.80	10.00	12.90	25.70	7.60	9.00	9.90	12.00	19.70	12.20	15.10	30.00
	12	15.0~200.0	18	14		16	11.8		M10	M10x1.5	9.00	10.00	10.90	13.20	21.80	12.90	16.30	32.60	9.90	10.90	12.90	15.20	25.70	16.10	19.50	38.90
	13	20.0~200.0	24	21		18	12.8		M12	M12x1.75	10.00	10.60	11.80	13.80	23.40	13.40	17.10	34.00	11.00	11.60	14.40	16.50	28.90	17.90	21.50	42.90
	14						13.8				10.80	11.10	12.20	14.30	24.30	13.80	17.50	34.90	11.80	12.20	14.90	17.10	29.70	18.20	21.90	43.80
	15						14.8				11.30	11.60	12.50	14.70	25.20	14.00	17.90	35.80	12.30	12.50	15.30	17.50	30.60	18.50	22.30	44.70
	16	20.0~200.0					15.8				11.80	12.00	13.00	15.20	26.10	14.40	18.50	36.90	12.90	13.20	15.80	18.00	31.80	19.00	23.00	46.10
	17						16.8				12.20	12.50	14.30	16.70	28.60	15.60	20.40	40.60	14.20	14.70	17.60	20.00	35.20	21.00	25.40	50.90
	18					24	17.8				13.60	14.20	15.80	18.70	31.80	17.50	22.60	45.20	15.80	16.60	19.70	22.60	39.50	23.80	28.60	57.20
	20		27	23			19.8		M16	M16x2.0	15.20	16.10	17.10	20.10	34.00	19.00	24.30	48.60	17.20	18.00	21.30	24.40	42.60	25.60	30.90	61.80
	22						21.8				21.90	23.00	30.40	32.30	60.60	37.20	40.40	80.60	25.10	26.30	34.70	36.60	69.20	44.20	46.90	93.80
	25		30	27			24.8				30.90	32.50	43.50	44.30	86.90	56.20	56.20	112.40	32.90	34.40	47.70	48.60	95.50	62.80	62.80	125.50
	30	40.0~200.0	35	32		30	29				28.10	29.30	38.90	39.60	95.80	–	48.70	98.80	30.80	32.00	42.20	42.90	100.30	–	53.80	103.40

SCLBGHN · SCLBGHNU · GSCLBGHN · GSCLBGHNU may be discolored by hardening.

Order Example: Part Number – L; CLBGHN15 – 120.3

Alterations: Part Number – L – (FC, MC, TC, LKC); CLBGHN15 – 120.3 – FC20 – MC10

Available for L Dimension Configurable Type.

Days to Ship: 8 Days — Non-Returnable P.92

Express B $5.00/piece P.92

A flat charge of $13.50 for 3 or more identical pieces.

Price

Volume Discount Rate

Quantity	1	2~4	5~19	20~
Rate	Price List	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.91

Alterations	Thread Part Length	Thread Diameter	Shoulder Thickness	L Dimension Tolerance
Code	FC	MC	TC	LKC
Details	Ordering Code FC4 FC=1 mm Increment M(MC)≤FC≤M(MC)x3	Ordering Code MC3 D / MC (Selection Range): 5: 3; 6: 3 4; 8: 3 4 5; 10: 4 5 6; 12: 5 6 8; 13~18: 6 8 10; 20 · 22: 8 10 12; 25: 10 12 Not available for D4 and D30. MC3 is not available for U Nut Type.	Ordering Code TC3 TC=0.5mm Increment 2≤TC≤5	Ordering Code LKC Changes the L dimension tolerance to ±0.05.
Price Adder	2.00	2.00	3.00	5.00

Add. Spec. Printed in Red

Precision Pivot Pins

–Lock Nut with Hexagon Socket Head–

Reduced Production Time

Price Revision

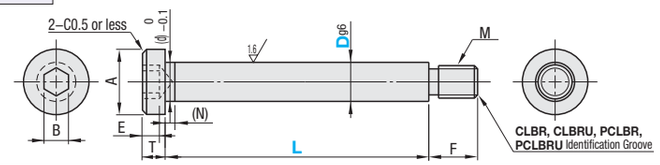
: New Price

RoHS

Type: Standard Nuts	Type: U Nuts	M	H	S	A (1 pc.) Standard Nuts	A (1 pc.) U Nuts
CLBR	CLBRU	1045 Carbon Steel	–	Black Oxide	M SWRCH Carbon Steel	M 1018 Carbon Steel (U-NUT)
CLBRH	CLBRHU		40~45HRC			
PCLBR	PCLBRU		–	Electroless Nickel Plating	M 304 Stainless Steel	M 304 Stainless Steel (U-NUT)
PCLBRH	PCLBRHU		40~45HRC			
GCLBR	GCLBRU		Plating Hardness 750HV~	Hard Chrome Plating Plating Thickness 3μm or More	M SWRCH Carbon Steel	M 1018 Carbon Steel (U-NUT)
SCLBR	SCLBRU	304 Stainless Steel	–	–	M 304 Stainless Steel	M 304 Stainless Steel (U-NUT)
SCLBRH	SCLBRHU	440C Stainless Steel	45~50HRC			
GSCLBR	GSCLBRU		45~50HRC Plating Hardness 750HV~	Hard Chrome Plating Plating Thickness 3μm or More		

25 (1.6)

D Tolerance (g6)	
4~6	−0.004 −0.012
8・10	−0.005 −0.014
12~18	−0.006 −0.017
20~25	−0.007 −0.020



Refer to P.1382 for details of U nut specifications.

Identification grooves at the side of **CLBR**, **CLBRU**, **PCLBR**, **PCLBRU** for distinction from Hardened Type

Relief dimension under the shoulder is for reference.

L Dimension Tolerance P.608

Part Number Type: Standard Nuts	U Nuts	D	L 0.1mm Increment	A	T	F	B	E	(d)	(N)	M (Coarse Thread)	Attached Nuts
CLBR	CLBRU	4	10.0~ 50.0	7	5	6	2.5	2	3.9	1.5	M 3	M 3x0.5
CLBRH	CLBRHU	5	10.0~ 60.0	9					4.9		M 4	M 4x0.7
PCLBR	PCLBRU	6	10.0~100.0	10		9	3		5.8		M 5	M 5x0.8
PCLBRH	PCLBRHU	8	10.0~100.0	13			5	3	7.8		M 6	M 6x1.0
GCLBR	GCLBRU	10		16		12	6	4	9.8		M 8	M 8x1.25
SCLBR	SCLBRU	12	10.0~200.0	18		16			11.8		M10	M10x1.5
SCLBRH	SCLBRHU	13	20.0~200.0	24		18	8	5	12.8		M12	M12x1.75
GSCLBR	GSCLBRU	14							13.8			
		15							14.8			
		16	20.0~200.0						15.8			
		17							16.8			
		18				24			17.8			
		20		27			10	6	19.8		M16	M16x2.0
		22	20.0~200.0						21.8			
		25		30			12	8	24.8			

SCLBRH · SCLBRHU · GSCLBR · GSCLBRU may be discolored by hardening.

Order Example: Part Number – L; CLBR15 – 120.3

Days to Ship: 8 Days — Non-Returnable P.92

Express B $5.00/piece P.92

A flat charge of $13.50 for 3 or more identical pieces.

Price

Volume Discount Rate

Quantity	1	2~4	5~19	20~
Rate	Price List	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.91

D	Unit Price Standard Nuts CLBR	CLBRH	PCLBR	PCLBRH	GCLBR	SCLBR	SCLBRH	GSCLBR	U Nuts CLBRU	CLBRHU	PCLBRU	PCLBRHU	GCLBRU	SCLBRU	SCLBRHU	GSCLBRU
4	5.40	6.60	6.80	8.50	13.80	8.30	10.30	20.60	–	–	–	–	–	–	–	–
5	5.60	7.00	7.00	8.90	14.00	8.60	10.80	21.50	6.10	7.50	8.00	9.70	16.10	10.00	12.20	24.30
6	5.70	7.20	7.30	9.10	14.60	9.00	11.10	22.30	6.10	7.50	8.10	10.00	16.30	10.50	12.50	25.20
8	7.50	8.90	9.10	11.10	18.30	10.90	13.60	27.20	7.90	9.40	10.10	12.30	20.40	12.50	15.30	30.60
10	8.60	10.30	10.30	12.80	20.60	12.20	15.20	30.40	9.10	10.90	11.80	14.00	23.40	14.30	17.30	34.70
12	10.50	12.30	12.80	15.60	25.40	15.10	18.90	37.70	11.30	13.20	14.70	17.60	29.50	18.20	22.00	44.00
13	12.80	12.80	14.30	16.30	28.60	16.10	19.90	39.70	13.80	13.80	17.10	19.00	34.00	20.50	24.30	48.60
14	13.00	13.40	14.60	16.70	29.20	16.30	20.10	40.40	14.00	14.40	17.30	19.50	34.70	20.80	24.60	49.20
15	13.30	14.00	14.90	17.20	29.70	16.50	20.50	40.90	14.30	15.10	17.60	19.90	35.20	20.90	24.90	49.70
16	13.60	14.60	15.20	17.70	30.40	16.80	21.00	42.00	14.70	15.70	18.00	20.60	36.10	21.50	25.60	51.20
17	14.90	16.10	16.60	19.50	33.20	18.50	23.00	46.10	16.30	17.50	19.90	22.80	39.70	23.70	28.20	56.30
18	16.50	18.00	18.50	21.80	36.90	20.60	25.60	51.20	18.20	19.70	22.30	25.60	44.70	26.50	31.60	63.30
20	17.60	19.40	19.70	23.30	39.50	22.00	27.50	54.90	19.60	21.30	24.00	27.60	48.10	28.60	34.00	68.10
22	27.10	25.90	33.40	36.90	66.90	40.20	48.10	96.10	29.00	31.50	37.70	43.00	75.50	46.80	54.70	109.20
25	36.30	39.60	47.20	50.50	94.40	58.20	68.50	137.00	38.30	41.60	51.50	58.30	103.00	64.80	75.10	150.20

Alterations: Part Number – L – (FC, MC, LKC, HC); CLBR10 – 50.5 – FC8

Alterations	Thread Part Length	Thread Diameter	L Dimension Tolerance	Shoulder Diameter Cut
Code	FC	MC	LKC	HC
Details	Ordering Code FC4 FC=1 mm Increment M(MC)≤FC≤M(MC)x3	Ordering Code MC3 D / MC (Selection Range): 5: 3; 6: 3 4; 8: 3 4 5; 10: 4 5 6; 12: 5 6 8; 13~18: 6 8 10; 20 · 22: 8 10 12; 25: 10 12 Not available for D4. MC3 is not available for U Nut Type.	Ordering Code LKC Changes the L dimension tolerance to ±0.05.	Ordering Code HC · D=4~8 HC=A/2−1 · D=10~25 HC=A/2−2
Price Adder	2.00	2.00	5.00	3.00