

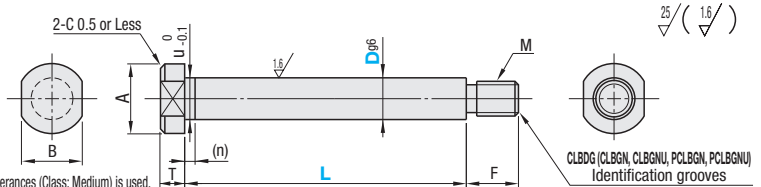
# Pivot Pins

## Lock Nut with Shoulder



RoHS10

Type			M Material	H Hardness	S Surface Treatment	A Accessory (1 pc.)	
L Dimension Selectable	L Dimension Configurable					Standard Nut	U Nut
Standard Nut	Standard Nut	U Nut					
CLBDG	CLBGN	CLBGNU	S45C (CLBDG) S45C Equivalent (CLBGN) (CLBGNU)	-	Black Oxide	M SWRCH	M SS400 (UNUTK)
CLBDGH	CLBGHN	CLBGHNU	S45C (CLBDGH) S45C Equivalent (CLBGHN) (CLBGHNU)	40~45HRC			
-	PCLBGN	PCLBGNU	S45C Equivalent (PCLBGN) (PCLBGNU)	-	Electroless Nickel Plating	M SUS304	M SUS304 (UNUTS)
	PCLBGHN	PCLBGHNU	(PCLBGHN) (PCLBGHNU) (GCLBGN)	40~45HRC			
	GCLBGN	-	-	Dimension Selectable Type is S45C Equivalent	Plating Hardness 750HV~	Hard Chrome Plating	M SWRCH
SCLBDG	SCLBGN	SCLBGNU	SUS304 Equivalent	-	-	M SUS304	M SUS304 (UNUTS)
-	SCLBGHN	SCLBGHNU	SUS440C Equivalent	45 ~ 50HRC			



2S / (1.6 / )

D Tolerance (g6)	
4-6	-0.004 -0.012
8, 10	-0.005 -0.014
12-18	-0.006 -0.017
20-30	-0.007 -0.020

- For L Dimension, Standard Machining Tolerances (Class: Medium) is used.
- This type may have centering holes depending on dimensions.
- For details of U nut specifications, see P2-242.
- CLBDG has identification grooves on the side in order to distinguish it from Hardened Type. (CLBGN, CLBGNU, PCLBGN and PCLBGNU may also have identification grooves.)
- Relief dimension under the shoulder is for reference.

### L Dimension Selectable

Part Number	D	L Selection	A	B	T	F	u	(n)	M (Coarse)	Included Nut	Unit Price		
Type	D	L Selection	A	B	T	F	u	(n)	M (Coarse)	Included Nut	CLBDG	CLBDGH	SCLBDG
CLBDG	4	10 12 14 15 16 18 20 22 24 25 30	7	5	3		3.9	1.5	M 3	M 3x0.5			
CLBDGH (Hardened)	5		9	7	4		4.9		M 4	M 4x0.7			
	6	15 16 18 20 22 24 25 30	10	8			5.8		M 5	M 5x0.8			
SCLBDG (Stainless Steel)	8	15 16 18 20 22 24 25 30 35 40 45 50	13	10	5		7.8		M 6	M 6x1.0			
	10	18 20 22 24 25 30 35 40 45 50	16	13			9.8		M 8	M 8x1.25			
	12	22 24 25 30 35 40 45 50	18	14			11.8		M 10	M 10x1.5			

### L Dimension Configurable (0.1mm Increment)

Part Number	L	A	B	T	F	u	(n)	M (Coarse)	Included Nut	Unit Price														
Type	D	0.1mm Increment	A	B	T	F	u	(n)	M (Coarse)	Included Nut	Standard Nut						U Nut							
	D	0.1mm Increment	A	B	T	F	u	(n)	M (Coarse)	Included Nut	CLBGN	CLBGHN	PCLBGN	PCLBGHN	GCLBGN	SCLBGN	SCLBGHN	CLBGNU	CLBGHNU	PCLBGNU	PCLBGHNU	SCLBGNU	SCLBGHNU	
Standard Nut	4	5.0~ 50.0	7	5	3		3.9	1.5	M 3	M 3x0.5														
	5	5.0~ 60.0	9	7	4		4.9		M 4	M 4x0.7														
CLBGN	6		10	8			5.8		M 5	M 5x0.8														
CLBGHN	8	10.0~100.0	13	10			7.8		M 6	M 6x1.0														
PCLBGN	10		16	13			9.8		M 8	M 8x1.25														
PCLBGHN	12	15.0~200.0	18	14			11.8		M 10	M 10x1.5														
GCLBGN	13						12.8																	
SCLBGN	14	20.0~200.0					13.8																	
SCLBGHN	15						14.8																	
U Nut	16		24	21	5		15.8	1.5	M 12	M 12x1.75														
CLBGNU	17						16.8																	
CLBGHNU	18						17.8																	
PCLBGNU	20	20.0~200.0					19.8																	
PCLBGHNU	22		27	23			21.8																	
SCLBGNU	25		30	27			24.8																	
SCLBGHNU	30	40.0~200.0	35	32			29		M 16	M 16x2.0														

SCLBGHN and SCLBGHNU may be discolored by hardening.

Ordering Example

Part Number - L

SCLBDG8 - 30

CLBGHN15 - 120.3

Alterations

Part Number - L - (FC, MC, TC, LKC)

CLBGHN15 - 120.3 - FC20 - MC10

Applicable to L Dimension Configurable Type.

Alterations	Thread Part Length	Thread Diameter	Shoulder Thickness	L Dimension Tolerance
Code	FC	MC	TC	LKC
Spec.	Ordering Code FC4 FC=1mm 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 When ordering MC5 for D12, also specify Alteration FC. Not applicable to 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 L dimension tolerance to ±0.05.