

Pivot Pins

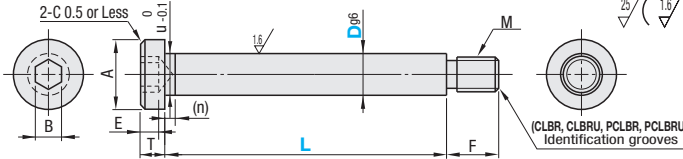
Lock Nut with Hex Socket Head



RoHS10

Type		Material	Hardness	Surface Treatment	Accessory (1 pc.)	
Standard Nut	U Nut				Standard Nut	U Nut
CLBR	CLBRU	S45C Equivalent	-	Black Oxide	M SWRCH	M SS400 (UNUTK)
CLBRH	CLBRHU		40~45HRC			
PCLBR	PCLBRU		-	Electroless Nickel Plating	M SUS304	M SUS304 (UNUTS)
PCLBRH	PCLBRHU		40~45HRC			
GCLBR	GCLBRU	SUS304	Plating Hardness 750HV~	Hard Chrome Plating	M SWRM	M SS400 (UNUTK)
SCLBR	SCLBRU		SUS304			
SCLBRH	SCLBRHU		SUS40C			
GCLBRH	GCLBRHU	Equivalent	45~50HRC Plating Hardness 750HV~	Hard Chrome Plating		

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



- 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 P.2-242.
- CLBR, CLBRU, PCLBR and PCLBRU may have identification grooves on the side in order to distinguish them from Hardened Type.
- Relief dimension under the shoulder is for reference.

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

SCLBRH, SCLBRHU, GCLBR and GCLBRU may be discolored by hardening.



Ordering Example
Part Number - L
CLBR15 - 120.3

D	Unit Price															
	Standard Nut						U Nut									
	CLBR	CLBRH	PCLBR	PCLBRH	GCLBR	SCLBR	SCLBRH	GCLBRH	CLBRU	CLBRHU	PCLBRU	PCLBRHU	GCLBRU	SCLBRU	SCLBRHU	GCLBRU
4																
5																
6																
8																
10																
12																
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17																
18																
20																
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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
Spec.	Ordering Code FC4 FC=1mm Increment M(MC)≤FC≤M(MC)×3	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 MCs for D12, also specify Alteration FC. *Not applicable to D4. *MC3 is not available for U Nut Type.	Ordering Code LKC Changes L dimension tolerance to ±0.05.	Ordering Code HC D=4-8 HC=A/2-1 D=10-25 HC=A/2-2