

# Pivot Pins

## Lock Nut with Extra Low Hex Socket Head

■ **Features:** Thinner shoulder design ensures use in limited spaces.

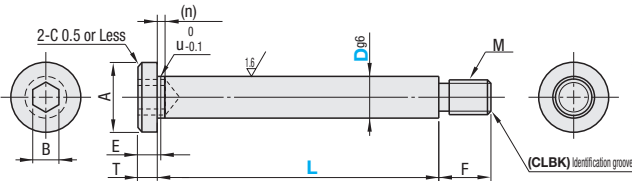


Type	M Material	H Hardness	S Surface Treatment	A Accessory
CLBK	S45C	-	Black Oxide	Nut 1 pc.
CLBKH	Equivalent	40~45HRC		
SCLBK	SUS304	-	-	MSUS304
SCLBKH	SUS400C Equivalent	45~50HRC		

- CLBK may have identification grooves on the side in order to distinguish it from Hardened Type.
- Relief dimension under the shoulder is for reference.

$$\frac{25}{\sqrt{1.6}} \left( \frac{1.6}{\sqrt{1.6}} \right)$$

- For L Dimension, Standard Machining Tolerances (Class: Medium) is used.
- This type may have centering holes depending on dimensions.



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

Part Number Type	D	L=0.1mm Increment	A	T	F	B	E	u	(n)	M (Coarse)	Unit Price					
											CLBK	CLBKH	SCLBK	SCLBKH		
CLBK CLBKH SCLBK SCLBKH	4	10.0~50.0	7	1.5	6	2	2	3.9	1.5	M3						
	5	10.0~60.0	9		9	2.5		2		4.9	M4					
	6	10.0~100.0	10							12	3	3	5.8	M5		
	8	10.0~100.0	13	16	4	3	7.8	M6								
	10	15.0~100.0	16				18	5					3	9.8	M8	
	12	15.0~200.0	18	24	18	5				11.8	M10					
	13	25.0~200.0	24							2.5	18	5		3	12.8	M12
	14			13.8												
	15			14.8												
	16	30.0~200.0	27	24	2.5	24	6	4		19.8	M16					
	20											15.8				
	25											24.8				

CLBKH may be discolored by hardening.

Ordering Example: Part Number - L  
CLBK15 - 120.3

Alterations: Part Number - L - (FC...etc.)  
CLBK10 - 50.5 - FC8

	Thread Part Length	Thread Diameter	L Dimension Tolerance	Shoulder Diameter Cut
Alterations				
Code	FC	MC	LKC	HC
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 13-16 6 8 10 20 8 10 12 25 10 12 When ordering MC5 for D12, also specify Alteration FC. Not applicable to D4.	[Ordering Code]LKC Changes L dimension tolerance to ±0.05.	[Ordering Code]HC D=4~10 HC=A/2-1 D=12~25 HC=A/2-2