

Pivot Pins

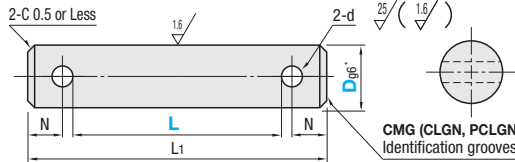
Cotter Pins



RoHS10

Type	Material	Hardness	Surface Treatment	Accessory
CMG	S45C (CMG) S45C Equivalent (CLGN)	-	Black Oxide	Cotter Pin 2 pcs. M SWRM or Low carbon steel
CMGH	S45C (CMGH) S45C Equivalent (CLGN)	40~45HRC	Black Oxide	
-	S45C Equivalent (PCLGN)(PCLGHN)	-	Electroless Nickel Plating	M SUS304
-	L Dimension Selectable Type is S45C Equivalent.	40~45HRC	Electroless Nickel Plating	M SWRM or Low carbon steel
-	S45C Equivalent	Plating Hardness 750HV~	Hard Chrome Plating	M SUS304
SCMG	SUS304 Equivalent	-	-	M SUS304
-	SUS440C Equivalent	45~50HRC	-	

D Tolerance (g6)	
3	-0.002 -0.008
4-6	-0.004 -0.012
8, 10	-0.005 -0.014
12-18	-0.006 -0.017
20-25	-0.007 -0.020



* The tolerance Dg6 is only available for the diameter over the length L.
The front diameter has a negative tolerance.
 ⚠ CMG has identification grooves on the side in order to distinguish it from Hardened Type. (CLGN and PCLGN may also have identification grooves.)
 ⚠ This type may have centering holes depending on dimensions.
 ⚠ For L Dimension, Standard Machining Tolerances (Class: Medium) is used.

L Dimension Selectable

Part Number	Type	D	L Selection	L1	N	d	Included Cotter Pin		Unit Price		
							CMG, CMGH	SCMG	CMG	CMGH	SCMG
CMG (The L dimensions marked with * are not available.)	3	3	10 12 14 15 16 18 20	L+4.8	2	0.8	NPN0.8-8	NSPN0.8-8			
	4	4	10 12 14 15 16 18 20	L+6	2.5	1	NPN1-10	NSPN1-10			
CMGH (Hardened)	5	5	10 12 14 15 16 18 20	L+7.2	3	1.2	NPN1.2-10	NSPN1.2-10			
	6	6	15 16 18 20 22 24 25 30	L+8.6	3.5	1.6	NPN1.6-10	NSPN1.6-10			
SCMG (Stainless Steel)	8	8	18 20 22 24 25 30 35 40 45 50	L+10	4	2	NPN2-12	NSPN2-12			
	10	10	18 20 22 24 25 30 35 40 45 50	L+12.5	5	2.5	NPN2.5-15	NSPN2.5-15			
	12	12	22 24 25 30 35 40 45 50	L+15.2	6	3.2	NPN3.2-20	NSPN3.2-20			

L Dimension Configurable Type (0.1mm Increment)

Part Number	Type	D	L=0.1mm Increment	L1	N	d	Included Cotter Pin		Unit Price									
							CLGN, CLGHN, GCLGN	PCLGN, PCLGHN, SCLGN, SCLGHN	CLGN	CLGHN	PCLGN	PCLGHN	GCLGN	SCLGN	SCLGHN			
CLGN CLGHN PCLGN PCLGHN GCLGN SCLGN SCLGHN	3	3		L+4.8	2	0.8	NPN0.8-8	NSPN0.8-8										
	4	4	5.0~ 50.0	L+6	2.5	1	NPN1-10	NSPN1-10										
	5	5	10.0~ 70.0	L+7.2	3	1.2	NPN1.2-10	NSPN1.2-10										
	6	6	10.0~ 100.0	L+8.6	3.5	1.6	NPN1.6-10	NSPN1.6-10										
	8	8	10.0~ 100.0	L+10	4	2	NPN2-12	NSPN2-12										
	10	10	15.0~ 110.0	L+12.5	5	2.5	NPN2.5-15	NSPN2.5-15										
	12	12	15.0~ 200.0	L+15.2	6	3.2	NPN3.2-20	NSPN3.2-20										
	13	13	25.0~ 200.0	L+18	7	4		NPN4-20	NSPN4-20									
	14	14																
	15	15																
	16	16	30.0~ 200.0	L+22	8.5	5		NPN5-35	NSPN5-35									
	17	17																
18	18																	
20	20																	
22	22																	
25	25																	

⚠ SCLGHN may be discolored by hardening.

Ordering Example

Part Number - L

CMG8 - 30

CLGN15 - 120.3

Alterations

Part Number - L - (NC)

CLGN15 - 120.3 - NC3

⚠ Applicable to L Dimension Configurable Type.

Alteration	Cotter Pin Hole Position	
Code	NC	
Spec.	Ordering Code NC3	
	D	NC (Selection Range)
	3	1.5
	4	1.5 2
	5	1.5 2 2.5
	6, 8	2 2.5 3
	10	2.5 3 4
	12	3 4 5
13-18	3 4 5 6	
20-25	4 5 6 7	
	⚠ L1=L+NCx2+d	