

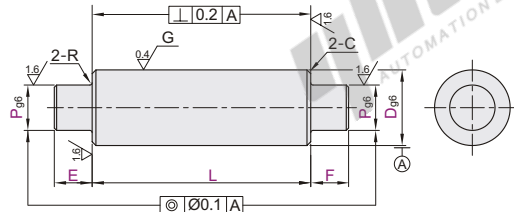
Shafts

- Both Ends Stepped
- Both Ends Stepped and Tapped
- Ordinary Grade/Precision Grade

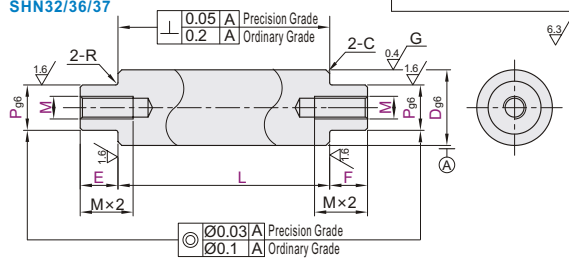


Both Ends Stepped	Both Ends Stepped and Tapped		D Tol.	Material		Hardness	Surface Treatment
	Ordinary Grade	Precision Grade		GB	Equiv.		
SHM02	SHN02	SHN32	g6	GCr15	SUJ2	Induction Hardened Effective Hardened Depth refer to P10 Quench Hardness	Hard Chrome Plating Plating Hardness HV750- Plating Thickness More Than 3um
SHM06	SHN06	SHN36					
SHM07	SHN07	SHN37					

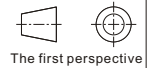
Both Ends Stepped
SHM02/06/07



Both Ends Stepped and Tapped
SHN02/06/07
SHN32/36/37



- Circularity, Straightness, Perpendicularity and Changes in Hardness. Please refer to shaft product introduction.
- Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm), Please refer to shaft product introduction.
- The thread root of the precision shaft has a grinding undercut (1mm wide and 0.1mm depth).



Both Ends Stepped (Ordinary Grade)

Part Number	Code	D _{g6}	1 mm Increment			R	C
			L	E-F	P		
8		-0.005	20~800		6		
10		-0.014			6~8		
12					6~10		
13			20~1000		6~11	0.5 Below	
15		-0.006			6~13		
16		-0.017			6~14		
18			20~1200	E=2-P×4 F=2-P×4	8~16	0.3	
20					8~17		
25		-0.007			8~22		
30		-0.020	9~27	20~1500	9~32	1.0 Below	
35			11~37				
40		-0.009	11~47				
50		-0.025			11~47	0.5	



Code	Spec.
LC	Alteration to L Dimension Tolerance Ordering Code LC □ 0.1 mm Increment □ When L < 300, L _{±0.03} ; When 300 ≤ L < 600, L _{±0.05} ; When L ≥ 600, L _{±0.1} .

Both Ends Stepped and Tapped (Ordinary Grade)

Part Number	Code	D _{g6}	1 mm Increment			M Selection			R	C
			L	E-F	P					
8		-0.005	20~800		6	3				
10		-0.014			6~8	3 4 5				
12					6~10	3 4 5 6				
13			20~1000		6~11	3 4 5 6 8	0.5 Below			
15		-0.006			6~13	3 4 5 6 8 10				
16		-0.017			6~14	3 4 5 6 8 10				
18			20~1200	E=2-P×4 F=2-P×4	8~16	4 5 6 8 10 12	0.3			
20					8~17	4 5 6 8 10 12				
25		-0.007			8~22	4 5 6 8 10 12 16				
30		-0.020	9~27	5 6 8 10 12 16 20 24	20~1500	9~32	1.0 Below			
35			11~37	5 6 8 10 12 16 20 24						
40		-0.009	11~47	5 6 8 10 12 16 20 24 30						
50		-0.025			11~47	5 6 8 10 12 16 20 24 30	0.5			

JD()	JE()	Add Keyways at Two Locations Ordering Code JD() J() JE() □ 1 mm Increment □ When JD = 0 / JE = 0, see the right figure. □ Only applicable to D=12, 16, 20, 25 and 30. □ Keyway details refer to P10.
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Both Ends Stepped and Tapped (Precision Grade)

Part Number	Code	D _{g6}	1 mm Increment			M Selection			R	C
			L	E-F	P					
8		-0.005	20~300		6	3				
10		-0.014			6~8	3 4 5				
12					6~10	3 4 5 6				
13			20~350		6~11	3 4 5 6 8	0.5 Below			
15		-0.006			6~13	3 4 5 6 8 10				
16		-0.017			6~14	3 4 5 6 8 10				
18			20~450	E=2-P×4 F=2-P×4	8~16	3 4 5 6 8 10 12	0.3			
20					8~17	4 5 6 8 10 12				
25		-0.007			8~22	4 5 6 8 10 12 16				
30		-0.020	9~27	5 6 8 10 12 16 20 24		1.0 Below				

EC()	ED()	Set Screw Flats at Two Locations Ordering Code EC() K() Ordering Code ED() K()-T10 D h 8~18 1 20~40 2 50 3
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SD()	Wrench Flats at Two Locations Ordering Code SD() V V(S) W □ 1 mm Increment
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Both Ends Stepped (Ordinary Grade)

Part Number	Code	D	L	E-F	P	Delivery
SHM02	8	20	≤300	E=2-P×4	6-8	4
SHM06	10			F=2-P×4	6-8	

SHM02-D8-L30-E10-F10-P6

Both Ends Stepped and Tapped (Ordinary Grade)

Part Number	Code	D	L	E-F	P	M
SHN02	8	20	≤300	E=2-P×4	6-8	3 4 5
SHN06	10			F=2-P×4	6-8	

SHN02-D8-L30-E10-F10-P6-M3

Optional Processing (Both Ends Stepped (Ordinary Grade))

Part Number	Code	D	L	E-F	P	Optional Processing Code
SHM02	8	20	≤300	E=2-P×4	6-8	JD() JE() SD() EC() ED() <>
SHM06	10			F=2-P×4	6-8	

SHM02-D8-L30-E10-F10-P6-LC



- When selecting multiple alteration additions, the distance between machined areas should be greater than 2mm.
- Optional Processing may reduce hardness.

Discount price	Per		Additional quotation
	1~4	5~	
Price	100%		