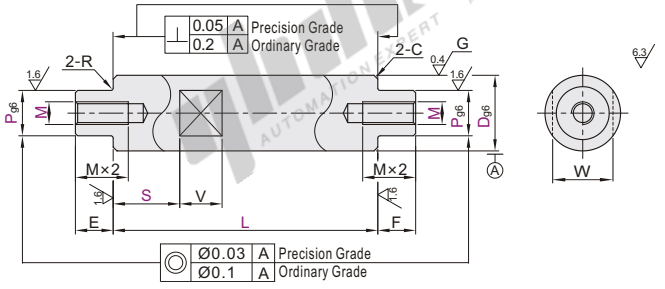
Both Ends Stepped and Tapped With Wrench Flats

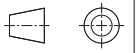
Ordinary Grade

Code	Type	Accuracy Grade	D Tol.	Material GB	Material Equiv.	Hardness	Surface Treatment
SHP02	Both Ends Stepped and Tapped With Wrench Flats	Ordinary Grade	g6	GCr15	SUJ2	Induction Hardened Effective Hardened Depth refer to P10 Quench Hardness	Hard Chrome Plating, Plating Hardness HV750~, Plating Thickness More Than 3μm
SHP06				9Cr18Mo Or Corrosion-Resistant Steel With Equivalent Hardness	SUS440C Or Corrosion-Resistant Steel With Equivalent Hardness	—	—
SHP07						GCr15 HRC56~ 9Cr18MoMo Or Corrosion-Resistant Steel With Equivalent Hardness HRC52~	Hard Chrome Plating, Plating Hardness HV750~, Plating Thickness More Than 3μm

Processing according to drawings



- 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.
- There are grinding grooves (1mm wide and 0.1mm deep) on the steps of the precision shaft.


The first perspective

Part Number Code	Dg6	1 mm Increment L	E·F	P	M Selection	Wrench Flats Dimensions S	W	V	R	C
SHP02 SHP06 SHP07	8 -0.005 -0.014	20~800		6	3	According to the use of Request for designation S size. 1 mm Increment Wrench Flats Dimensions refer to the product introduction of shafts.	7	8		
	10			6~8	3 4 5		8			
	12			6~10	3 4 5 6		10			
	13	20~1000		6~11	3 4 5 6 8		11			0.5Below
	15 -0.006 -0.017			6~13	3 4 5 6 8 10		13			
	16		E=2~P×4	6~14	3 4 5 6 8 10		14	10	0.3	
	18	20~1200		8~16	4 5 6 8 10 12		16			
	20 -0.007 -0.020		F=2~P×4	8~17	4 5 6 8 10 12		17			
	25			8~22	4 5 6 8 10 12 16		22			
	30			9~27	5 6 8 10 12 16 20 24		27	15		1.0Below
	35 -0.009 -0.025	20~1500		9~32	5 6 8 10 12 16 20 24		30			
	40			11~37	6 8 10 12 16 20 24 30		36	20	0.5	
	50			11~47	6 8 10 12 16 20 24 30		41			

Please order as shown

Part Number Code	D	L	E·F	P	M	S
SHP02 SHP06	① 10	20≤③≤300	E=2≤P×4 F=2≤P×4	⑤ 6~8	④ 3 4 5	According to the use of Request for designation S size

SHP02—D8—L50—E10—F10—P6—M3—S15

Discount price

Per	1~4	5~
Price	100%	Additional quotation

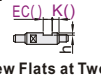
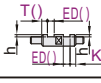
Delivery 4

Optional Processing

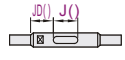
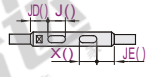
Part Number Code	D	L	E·F	P	M	S	Optional Processing code
SHP02 SHP06	① 10	20≤③≤300	E=2≤P×4 F=2≤P×4	⑤ 6~8	④ 3 4 5	According to the use of Request for designation S size	⑥ EC( ) ED( ) JD( ) JE( )

SHP02—D8—L50—E10—F10—P6—M3—S15—LC

Optional Processing

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; L>300' s precision grade is not applicable.
EC( ) ED( )	**Set Screw Flat at One Location**  **Set Screw Flats at Two Locations** 	Ordering Code EC10-K8 Ordering Code ED10-K8-T10 Only applicable to Ordinary Grade.

D	h
8~18	1
20~40	2
50	3

Code	Spec.	
JD( ) JE( )	**Add keyway at One Location**  **Add Keyways at Two Locations** 	Ordering Code JD10-J10 Ordering Code JE10-X10-JD10-J8 J( )  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. Only applicable to Ordinary Grade.

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