Guide Axis ► Two-end External Thread Type·Type with Chamfer • Type with Wrench Slot

Ordinary Grade/Precision Grade

Please order according to the diagram

❶~❻ Select the type and parameters in the order of for ordering.

Type with Wrench Slot(Ordinary Grade)

Model(❶Code)	❷D	❸L	❹E·F	❺M·N	❻S	MC MD NC ND LC
HCZJN	D8	L800	E10-F10	M6-N6	S10	LC

Optional Processing

Price Excluding Tax (Yuan)

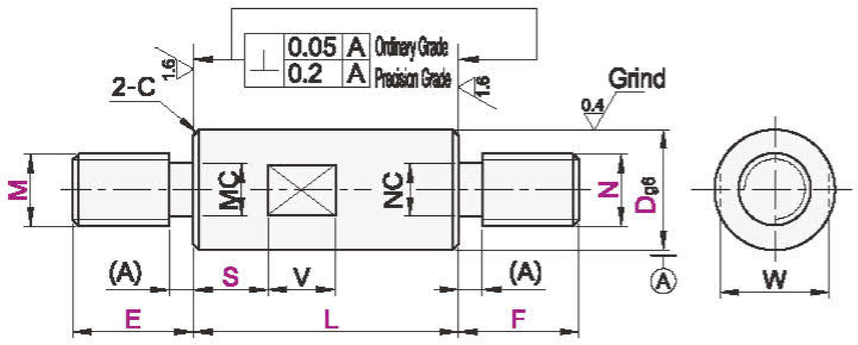
Discounted Price

Quantity	1~9	10~
Price	100%	Separate Quotation

Custom-made / Inventory

CAD 2D 3D

Type with Wrench Slot		D Tolerance	Material		Hardness	Surface Treatment
Ordinary Grade	Precision Grade		International	Equivalent		
HCZJN	HCZJJN	g6	GCr15	SUJ2	High-frequency quenching	—
HCZJP	HCZJJP				Effective hardened layer depth see P003	Hard Chromium Plating,Coating hardness HV850~,Coating thickness 3~53~5μm
HCZJS	HCZJJS		9Cr18Mo	SUS440C	Quenching hardness GCr15 HRC56~ 9Cr18Mo HRC54~	—
HCZJT	HCZJJT					Hard Chromium Plating,Coating hardness HV850~,Coating thickness 3~53~5μm



- For roundness, straightness, perpendicularity, coaxiality, hardness change, and chromium layer distribution, please refer to the guide shaft product brochure.
- Wrench Slot, Through Hole of the shaft end processing part (effective thread length + approximately 10mm) may decrease due to the annealing effect of processing. For more details, please refer to the overview of the guide shaft.
- For precision grade guide shafts, the thread root is equipped with a grinding chamfer (maximum width of 1 mm, maximum depth of 0.1 mm).
- Deformation near the through hole may occur due to the annealing effect of processing, causing the outer diameter tolerance to exceed the specified value.

Type with Wrench Slot(Ordinary Grade)

Model ❶Code	❷Dg6		Minimum Unit 1 ❸L	❹E.F	❺M · N Selection	Wrench slot size ❻S	W	V	C
HCZJN HCZJP HCZJS HCZJT	8	-0.005 -0.014	20~800		6	❶ Specify the S dimension according to the usage requirements ❶ Minimum Unit 1 ❶ Refer to the guide shaft product brochure for the wrench slot size	7	9	0.5
	10				6 8		8		
	12	-0.006 -0.017	20~1000		6 8 10		10	11	
	13				6 8 10 12		11		
	15				6 8 10 12		13		
	16		20~1200	5≤E≤3×M 5≤F≤3×N	6 8 10 12		14		
	18				6 8 10 12 16		16		
	20	-0.007 -0.020			6 8 10 12 16		17		
	25				8 10 12 16 20 24		22		
	30		20~1500		8 10 12 16 20 24		27	16	1.0
	35	-0.009 -0.025			10 12 16 20 24 30		30		
	40				12 16 20 24 30		36	21	
	50				16 20 24 30		41		

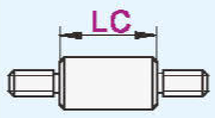
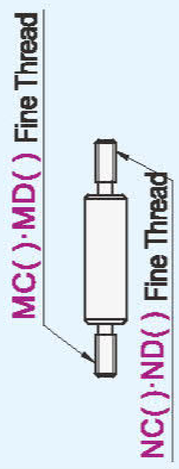
Type with Wrench Slot(Precision Grade)

Model ❶Code	❷Dg6		Minimum Unit 1 ❸L	❹E.F	❺M · N Selection	Wrench slot size ❻S	W	V	C
HSZJJN HCZJJP HCZJJS HCZJJT	8	-0.005 -0.014	20~300		6	❶ Specify the S dimension according to the usage requirements ❶ Minimum Unit 1 ❶ Refer to the guide shaft product brochure for the wrench slot size	7	9	
	10				6 8		8		
	12	-0.006 -0.017	20~350	5≤E≤3×M 5≤F≤3×M	6 8 10		10	11	0.5
	13				6 8 10		11		
	15				6 8 10 12		13		
	16				6 8 10 12		14		
	18				6 8 10 12 16		16		
	20	-0.007 -0.020	20~450		6 8 10 12 16		17		
	25				8 10 12 16 20		22		1.0
	30				8 10 12 16 20 24		27	16	

Thread Chamfer Dimension			
M·N	Pitch	MC·NC	(A)
6	1.0	4.4 (4.2)	2
8	1.25	6.0	3
10	1.5	7.7	
12	1.75	9.4	4
16	2.0	13.0	
20	2.5	16.4	5
24	3.0	19.6	
30	3.5	25.0	

For M6, the internal dimension of MC() is Precision Grade

Optional Processing

Code	Technical Specification	
LC	Change L size tolerance 	Selection Method LC Minimum Unit 0.1 L < 300 Change to L±0.03; 300≤L < 600 Change to L± 0.05; L≥600 Change to L±0.1 Precision Grade is not applicable for L>200
MC( ) MD( ) NC( ) ND( )	Change external thread to fine thread 	Selection Method MC12 MC.NC: The pitch of this fine thread corresponds to the bearing screw cap MD.ND: The pitch of this fine thread corresponds to the cylinder

D	MC·NC				MD·ND	
8	6					
10	6	8				
12·13	6	8 10			10	
15·16	6	8 10 12			10	12
18	6	8 10 12 15			10	12 14 18
20	6	8 10 12 15 17			10	12 14 18
25		8 10 12 15 17 20			10	12 14 18
30		8 10 12 15 17 20	25		10	12 14 18
(35)		10 12 15 17 20	25	30	10	12 14 18
(40)		12 15 17 20	25	30		12 14 18
(50)		15 17 20	25	30		14 18
Pitch	0.75	1.0	1.5		1.25	1.5

When selecting, please change M to MC(MD) /NC(ND)
The dimension in () is not applicable to Precision Grade

- When selecting 2 or more optional processing items, there should be a gap of more than 2mm between each processing area.
- Optional processing may reduce the hardness of the product.