Guide Axis ► External Thread on One End·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	–	❺M	–	❻S	–	Optional Processing JD() LC MC() MD()
HCZEN	–	D8	–	L800	–	E10	–	M6	–	S10	–	LC

● Discounted Price

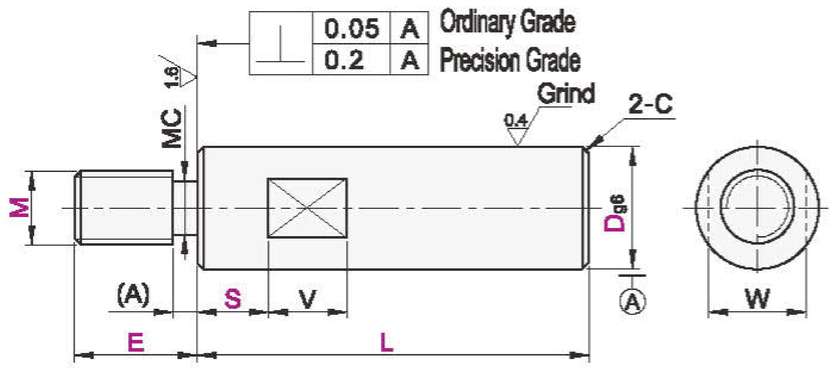
Quantity	1~9	10~
Price	100%	Separate Quotation

Price Excluding Tax (Yuan)

Custom-made / Inventory

CAD 2D 3D

Type with Wrench Slot		D Tolerance	Material		Hardness	Surface Treatment
Ordinary Grade	Precision Grade		International	Equivalent		
HCZEN	HCZEJN	g6	GCr15	SUJ2	High-frequency quenching	—
HCZEP	HCZEJP				Effective hardened layer depth see P003	Hard Chromium Plating,Coating hardness HV850~,Coating thickness 3~53~5μm
HCZES	HCZEJS		9Cr18Mo	SUS440C	Quenching hardness	—
HCZET	HCZEJT				GCr15 HRC56~ 9Cr18Mo HRC54~	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.
❗ 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	Minimum Unit 1 ❹E	❺M Selection	Wrench slot size ❻S	W	V	C
HCZEN HCZEP HCZES HCZET	8	-0.005 -0.014	20~800	5≤E≤3×M	6	Specify the S dimension according to the usage requirements Minimum Unit 1 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		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		

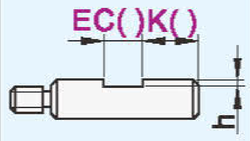
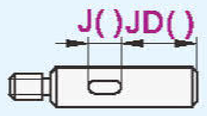
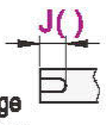
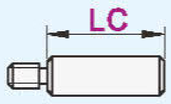
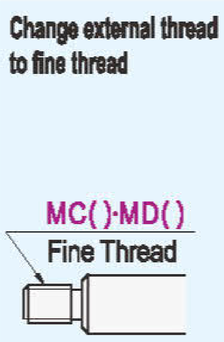
■ Type with Wrench Slot(Precision Grade)

Model ❶Code	❷Dg6		Minimum Unit 1 ❸L	Minimum Unit 1 ❹E	❺M Selection	Wrench slot size ❻S	W	V	C
HCZEJN HCZEJP HCZEJS HCZEJT	8	-0.005 -0.014	20~300	5≤E≤3×M	6	Specify the S dimension according to the usage requirements Minimum Unit 1 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	20~350		6 8 10		10	11	
	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	25~450		6 8 10 12 16		17		1.0
	25				8 10 12 16 20		22		
	30				8 10 12 16 20 24		27	16	

Thread Chamfer Dimension			
M	Pitch	MC	(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	
24	3.0	19.6	5
30	3.5	25.0	

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

Optional Processing

Code	Technical Specification	
EC( )	Add 1 flat surface 	Selection Method EC10-K8 ❗ Minimum Unit 0.1 ❗ Applicable to Ordinary Grade only D: 6~18 h: 1; 20~40 h: 2; 50 h: 3
JD( )	Add 1 keyway 	Selection Method JD10-J10  ❗ Minimum Unit 1 ❗ When JD=0, see the right image ❗ D12,D16,D20,D25,D30 Only applicable to this optional processing ❗ Applicable to Ordinary Grade only
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>300
MC( ) MD( )	Change external thread to fine thread 	Selection Method MC10 ❗ MC: The pitch of this fine thread corresponds to the bearing screw cap ❗ MD: The pitch of this fine thread corresponds to the cylinder

D	MC						MD		
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)
❗ 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.