

Guide Axis ▶ One-end Step and One-end External Thread Type One-end Step Internal Thread and One-end External Thread Type

Guide Axis
1



Please order according to the diagram

①~⑨ Select the type and parameters in the order of for ordering.

① One-end Step Internal Thread and One-end External Thread Type

Model(①Code) - ②D - ③L - ④E - ⑤F - ⑥B - ⑦P - ⑧M - ⑨Q - (LC SC())

Optional Processing



Discounted Price
Quantity 1~9 10~
Price 100% Separate Quotation
Price Excluding Tax (¥)

HDZJN - D8 - L800 - E15 - F20 - B15 - P6 - M3 - Q5 - LC

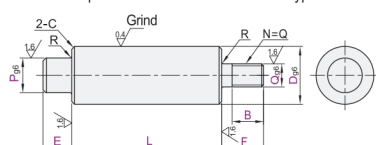
Custom-made Inventory



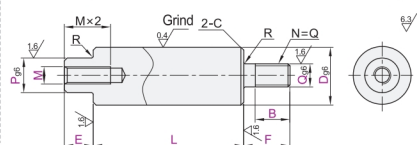
CAD 2D 3D

One-end Step and One-end External Thread Type	One-end Step Internal Thread and One-end External Thread Type	D Tolerance	Material International	Material Equivalent	Hardness	Surface Treatment
HDZHN	HDZJN	g6	GCr15	SUJ2	High-frequency quenching Effective hardened layer depth see P003	—
HDZHP	HDZJP				Quenching hardness	Hard Chromium Plating, Coating hardness HV850 - Coating thickness 3~53-5µm
HDZHS	HDZJS		9Cr18Mo	SUS440C	GCr15 HRC56~ 9Cr18Mo HRC54~	—
HDZHT	HDZJT					Hard Chromium Plating, Coating hardness HV850 - Coating thickness 3~53-5µm

One-end Step and One-end External Thread Type



One-end Step Internal Thread and One-end External Thread Type



- ① For roundness, straightness, perpendicularity, coaxiality, hardness change, and chromium layer distribution, please refer to the guide shaft product brochure.
- ① Please note that the hardness 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.

① One-end Step and One-end External Thread Type

① 代码	② Dg6	③ L	④ E	⑤ F	⑥ B	⑦ P	⑧ Q	R	C
HDZHN HDZHP HDZHS HDZHT	8 -0.005 -0.014	20~800				6	3 4 5 6 8		
	10					6~8	4 5 6 8 10		
	12					6~10	5 6 8 10 12		
	13	20~1000				6~11	5 6 8 10 12		0.5
	15					6~13	5 6 8 10 12		
	16					6~14	5 6 8 10 12 16		
	18	20~1200	2SE≤4×P	2SF≤5×Q	① Specify the B dimension according to the usage requirements	8~16	5 6 8 10 12 16		0.3
	20					8~17	6 8 10 12 16 20		
	25					8~22	8 10 12 16 20 24		
	30					9~27	8 10 12 16 20 24 30		
	35	20~1500				9~32	10 12 16 20 24 30		1.0
	40					11~37	12 16 20 24 30		0.5
	50					11~47	16 20 24 30		

① One-end Step Internal Thread and One-end External Thread Type

Model		Minimum Unit 1					⑧ M Selection		⑨ Q Selection				R	C
① Code	② Dg6	③ L	④ E	⑤ F	⑥ B	⑦ P								
HDZJN HDZJP HDZJS HDZJT	8 -0.005 -0.014	20~800				6	3		3 4 5 6 8					
	10					6~8	3 4 5	4 5 6 8 10						
	12					6~10	3 4 5 6	5 6 8 10 12						
	13 -0.006 -0.017	20~1000				6~11	3 4 5 6 8	5 6 8 10 12			0.5			
	15					6~13	3 4 5 6 8 10	5 6 8 10 12		0.3				
	16					6~14	3 4 5 6 8 10	5 6 8 10 12 16						
	18	20~1200	2SE≤4×P	2SF≤5×Q	① Specify the B-dimension according to the usage requirements	8~16	4 5 6 8 10 12	5 6 8 10 12 16						
	20					8~17	4 5 6 8 10 12	6 8 10 12 16 20						
	25					8~22	4 5 6 8 10 12 16	8 10 12 16 20 24						
	30 -0.007 -0.020	20~1500					9~27	5 6 8 10 12 16 20 24	8 10 12 16 20 24 30		1.0			
	35				9~32		5 6 8 10 12 16 20 24	10 12 16 20 24 30						
	40				11~37		6 8 10 12 16 20 24 30	12 16 20 24 30		0.5				
50 -0.009 -0.025					11~47	6 8 10 12 16 20 24 30	16 20 24 30							

Optional Processing

Code	Technical Specification
LC	Change L size tolerance Selection Method LC ① Minimum Unit 0.1 ② L < 300 Change to L±0.03; 300≤L < 600 Change to L±0.05; L≥600 Change to L±0.1
	Change external thread to fine thread Selection Method QC() QC(): The pitch of this fine thread corresponds to the bearing screw cap QD(): The pitch of this fine thread corresponds to the cylinder

Code	Technical Specification
SC() SD()	Addition of wrench slots Add 1 wrench slot Selection Method SC5 Selection Method SD12-S8 ① Minimum Unit 0.1
	Add 2 wrench slot Selection Method SC15 Selection Method SD21-S16