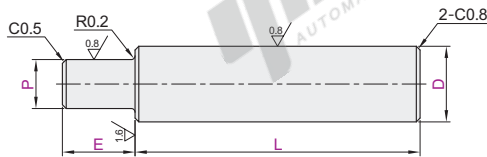


Rotary Shafts

Standard One End Stepped

Code	Type	Tolerance		Material		Surface Treatment
		D	P	GB	Equiv.	
MBC02	Standard	g6	g6	45	S45C	Electroless Nickel Plating
MBC11				0Cr18Ni9	SUS304	—
MBC32		h7	h7	45	S45C	Electroless Nickel Plating
MBC41				0Cr18Ni9	SUS304	—
MBC61		h9	g6	0Cr18Ni9	SUS304	—
MBC72				45	S45C	Electroless Nickel Plating
MBC81		h7	h7	0Cr18Ni9	SUS304	—
				45	S45C	Electroless Nickel Plating



D-P	g6	h7	h9
3	-0.002 -0.018	0 -0.010	0 -0.025
3.1~6	-0.004 -0.012	0 -0.012	0 -0.030
6.1~10	-0.005 -0.014	0 -0.015	0 -0.036
10.1~18	-0.006 -0.017	0 -0.018	0 -0.043
18.1~30	-0.007 -0.020	0 -0.021	0 -0.052
30.1~50	-0.009 -0.025	0 -0.025	0 -0.062



① Circularity, straightness, perpendicularity and concentricity, please refer to the introduction of shaft products.

g6

Part Number	0.1 mm Increment		1 mm Increment
Code	D _{g6}	L	P
MBC02	6	18.0~300.0	2 3 4 5
	8	18.0~400.0	3 ≤ P < D
	10	18.0~500.0	
	12	20.0~600.0	
	13	20.0~600.0	
	15	20.0~700.0	4 ≤ P < D
	16	20.0~800.0	
	17		
	18		
	20	25.0~800.0	8 ≤ P < D
MBC11	22		
	25		
	30		
	35		
	40	35.0~800.0	15 ≤ P < D
	50		

h7

Part Number	0.1 mm Increment		1 mm Increment
Code	D _{h7}	L	P
MBC32	6	18.0~300.0	2 3 4 5
	8	18.0~400.0	3 ≤ P < D
	10	18.0~500.0	
	12		
	15	20.0~700.0	4 ≤ P < D
	20		
	25	25.0~800.0	8 ≤ P < D
	30		
	35		
	40	35.0~800.0	15 ≤ P < D
MBC41	50		

h9

Part Number	0.1 mm Increment		1 mm Increment
Code	D _{h9}	L	P
MBC61	6	18.0~300.0	2 3 4 5
	8	18.0~400.0	3 ≤ P < D
	10	18.0~500.0	
	12	20.0~600.0	
	15	20.0~700.0	4 ≤ P < D
	20		
	25	25.0~800.0	8 ≤ P < D
	30		
	35	35.0~800.0	15 ≤ P < D



Part Number	D	L	E	P
MBC02	6	18.0~300.0	1 ≤ E ≤ P × 6	4 ≤ P < D
MBC11	13	20.0~700.0		

MBC02—D12—L100—E15—P8

Optional Processing

Part Number	D	L	E	P	Optional Processing Code
MBC02	6	20~500	1 ≤ E ≤ P × 6	4 ≤ P < D	① LA() LB()...
MBC11	13	20~700			

MBC02—D12—L100—E15—P8—LC



Code	Spec.	
LC	Changes L Dimension Tolerance	Ordering Code LC ① L < 400 changes to L ± 0.05 L ≥ 400 changes to L ± 0.1
	Adds 1 Set Screw Flat. LA()	Ordering Code LA10-G3 Ordering Code LB10-J3-Y10-X3 ① 1mm Increment ② G·J·X ≤ 50.
LA()	Adds 2 Set Screw Flats. LB()	Ordering Code KB50-S10 Ordering Code KC50-C8-K40-T10 ① 1mm Increment ② S·T·C ≤ 100. ③ If 3 keyways are required, use both KB() and KC(). ④ For keyway details, please refer to the product introduction.
	Adds 1 Keyway. KB()	Ordering Code PA10 ① 1mm Increment ② PA ≥ 50, PA ≥ E, P ≤ 5 not applicable. ③ For keyway details, please refer to the product introduction.
KB()	Adds 2 Keyways. KC()	Ordering Code KD10 ① 1mm Increment ② Only applicable to D=6~12.
	Adds a Keyway on the Shaft end P	Ordering Code MA10—MB10 ① 1mm Increment ② MA(MB)=4~L/2 ③ For retaining ring groove details, please refer to the product introduction.
KD()	Adds a Retaining Ring Groove. (Applicable retaining rings are included.)	Ordering Code KE10 ① 1mm Increment
	Adds a Wrench Flat	



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



Delivery	8
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Delivery	10
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① No Surface Treatment

② with Surface Treatment