

Oil Free Bushings


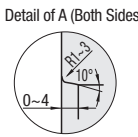
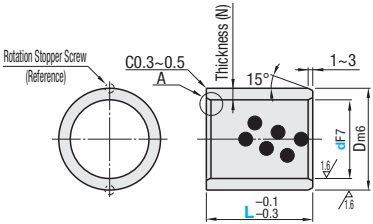
Copper Alloy Straight, Standard

Points on Comparing Similar Products | If you use it for high-precision positioning, high load weight, and high frequency movement, consider from the existing product series.

Features: Copper Alloy Bushings in general use.

Standard

MPBZ (Standard I.D. F7 O.D. m6)

⚠ Recommended Mating Shaft for I.D. F7 Type d8: General Use (High-Load) f8: High Precision Use
⚠ Use of Rotation Stopper Screws is recommended to affix bushings. e7: General Use (Light Load) g6: High Precision Use (Intermittent Operation)

M Material: High Tensile Brass Alloy
Solid Lubricant Embedded

RoHS 10

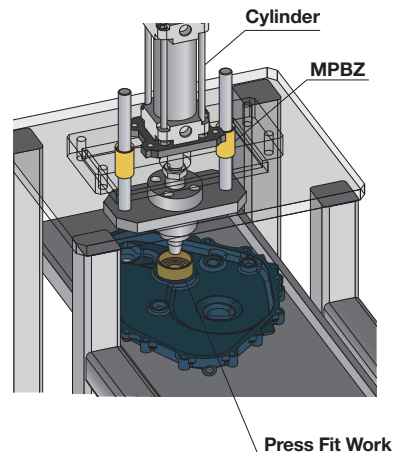
Type	Part Number		L	Dm6	Thickness (N)	Housing Dia. (Recommended Dimension)		Rotation Stopper Screw (Reference)*
	dF7					Standard Dimension	Tolerance (H7)	
MPBZ	5	+0.022	8 9 10 12 15	9	+0.015	9	+0.015	M4x8
	6	+0.010	8 9 10 12 15 16 19 20	10	+0.006	10	0	
	8	+0.028	8 9 10 12 15 16 19 20 25	12	+0.018	12	0	
	10	+0.013	8 9 10 12 15 16 19 20 25 30	14		14		
	12	+0.034 +0.016	8 9 10 12 15 16 19 20 25 30 35	18		18		
	13		9 10 12 15 16 19 20 25 30 35	19	19			
	15		9 10 12 15 16 19 20 25 30 35 40	21	21			
	16		9 10 12 15 16 19 20 25 30 35 40	22	22			
	18	9 10 12 15 16 19 20 25 30 35 40	24	24	+0.021 0			
	20	9 10 12 15 16 19 20 25 30 35 40 50 60	28	28				
	20A	9 10 12 15 16 19 20 25 30 35 40 50	30	30				
	25	12 15 16 19 20 25 30 35 40 50 60	33	33				
	25A	12 15 16 19 20 25 30 35 40 50 60	35	35	+0.025 0			
	30	12 15 16 19 20 25 30 35 40 50 60 70	38	38				
	35	20 25 30 35 40 50 60 70	44	4.5 44				
	40	20 25 30 35 40 50 60 70 80	50	5 50				
	50	30 35 40 50 60 70 80	62	6 62	+0.030 0			
	60	50 60 70 80	75	7.5 75				
	80	60 70 80	96	8 96				
	100	80 100	120	10 120		+0.035 0		

	Existing Products Copper Alloy		C-VALUE Products Copper Alloy	
	Regular	Unlubricated	Regular	Unlubricated
Maximum Allowable Surface Pressure	29.0 (98.0) N/mm ²	20.3 (68.6) N/mm ²	296 (1000) kgf/cm ²	207.2 (700) kgf/cm ²
Maximum Allowable Velocity	1.00m/s 60m/min	0.5m/s 30m/min	0.7m/s 42m/min	0.35m/s 21m/min

Value in () is the allowable static surface pressure.

Part Number	Type	d	Unit Price																
			L8	L9	L10	L12	L15	L16	L19	L20	L25	L30	L35	L40	L50	L60	L70	L80	L100
5																			
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60																			
80																			
100																			

ex Example



Ordering Example: Part Number - L
MPBZ10 - 15