

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.

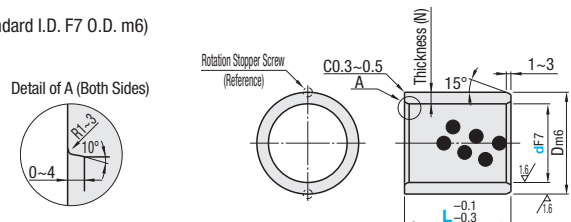
Features: Copper Alloy Bushings in general use.

Standard

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



RoHS 10

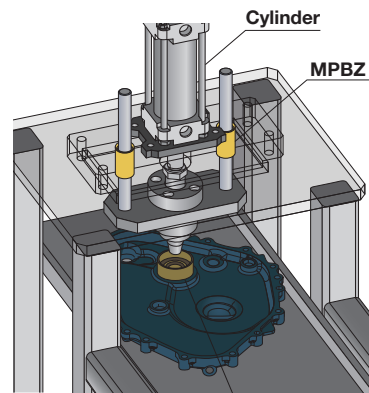


Recommended Mating Shaft for I.D. F7 Type
Use of Rotation Stopper Screws is recommended to affix bushings.
d8: General Use (High-Load)
e7: General Use (Light Load)
f8: High Precision Use
g6: High Precision Use (Intermittent Operation)
Material: High Tensile Brass Alloy
Solid Lubricant Embedded

Part Number		L										Dm6		Thickness (N)	Housing Dia. (Recommended Dimension)	Rotation Stopper Screw (Reference)*
Type	dF7														Standard Dimension	Tolerance (H7)
MPBZ	5	+0.022	8	9	10	12	15					9	+0.015	2	9	+0.015
	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			12	
	10	+0.013	8	9	10	12	15	16	19	20	25	14	+0.018		14	+0.018
	12		8	9	10	12	15	16	19	20	25	18	+0.007	3	18	0
	13		8	9	10	12	15	16	19	20	25	19			19	
	15	+0.034	8	9	10	12	15	16	19	20	25	21			21	
	16	+0.016	8	9	10	12	15	16	19	20	25	22	+0.021		22	+0.021
	18		8	9	10	12	15	16	19	20	25	24	+0.008	4	24	0
	20		8	9	10	12	15	16	19	20	25	28			28	
	20A		8	9	10	12	15	16	19	20	25	30			30	
	25	+0.041	8	9	10	12	15	16	19	20	25	33			33	
	25A	+0.020	8	9	10	12	15	16	19	20	25	35	+0.025	5	35	+0.025
	30		8	9	10	12	15	16	19	20	25	38	+0.009		38	0
	35		8	9	10	12	15	16	19	20	25	44			44	
	40	+0.050	8	9	10	12	15	16	19	20	25	50			50	
	50	+0.025	8	9	10	12	15	16	19	20	25	62	+0.030	6	62	+0.030
	60		8	9	10	12	15	16	19	20	25	75	+0.011		75	0
	80	+0.060	8	9	10	12	15	16	19	20	25	96	+0.035		96	+0.035
	100	+0.030	8	9	10	12	15	16	19	20	25	120	+0.013		120	0

	Existing Products Copper Alloy		C-VALUE Products Copper Alloy	
	Regular	Unlubricated	Regular	Unlubricated
Lubrication	Regular	Unlubricated	Regular	Unlubricated
Maximum Allowable Load	29.0 (98.0) N/mm ²	20.3 (68.6) N/mm ²	29.0 (98.0) N/mm ²	20.3 (68.6) N/mm ²
Maximum Allowable Velocity	1.00m/s	0.5m/s	1.00m/s	0.5m/s

Value in () is the allowable static surface pressure.



Press Fit Work

Part Number		Unit Price															
Type	d	L8	L9	L10	L12	L15	L16	L19	L20	L25	L30	L35	L40	L50	L60	L70	L80
MPBZ	5																
	6																
	8																
	10																
	12																
	13																
	15																
	16																
	18																
	20																
	20A																
	25																
	25A																
	30																
	35																
	40																
	50																
	60																
	80																
	100																

Ordering Example
Part Number - L
MPBZ10 - 15

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

MISUMI C-VALUE

Oil Free Bushings

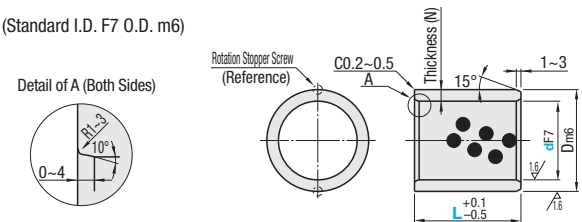
C-VALUE Products - Copper Alloy Straight, Standard

Points on Comparing Similar Products | If you use it for medium-precision positioning, mid-to-low load weight, and mid-to-low frequency movement, consider from the C-VALUE Product series.

Features: Copper Alloy Bushings in general use.

Standard

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

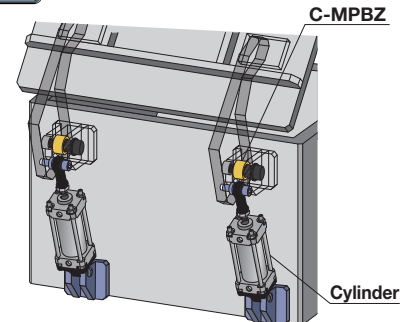


Recommended Mating Shaft for I.D. F7 Type
Use of Rotation Stopper Screws is recommended to affix bushings.
d8: General Use (Medium Load)
e7: General Use (Light Load)
f8: Medium Precision Use
g6: Medium Precision Use (Intermittent Operation)
Material: High Tensile Brass Alloy
Solid Lubricant Embedded

Part Number		L										Dm6		Thickness (N)	Housing Dia. (Recommended Dimension)	Rotation Stopper Screw (Reference)*
Type	dF7														Standard Dimension	Tolerance (H7)
C-MPBZ	8	+0.033	8	10	12	15						12	+0.024	2	12	+0.018
	10	+0.008	8	10	12	15	16	20				14	+0.003		14	0
	12		8	10	12	15	16	20	25	30		18			18	
	13		8	10	12	15	16	20	25	30		19			19	
	15	+0.039	8	10	12	15	16	20	25	30	35	21	+0.027	3	21	+0.021
	16	+0.011	8	10	12	15	16	20	25	30	35	22	+0.004		22	0
	18		8	10	12	15	16	20	25	30	35	24			24	
	20		8	10	12	15	16	20	25	30	35	28			28	
	25	+0.046	8	10	12	15	16	20	25	30	35	33	+0.025	4	33	+0.025
	30	+0.015	8	10	12	15	16	20	25	30	35	38	+0.009		38	0
	35		8	10	12	15	16	20	25	30	35	44			44	
	40	+0.055	8	10	12	15	16	20	25	30	35	50			50	
	50	+0.020	8	10	12	15	16	20	25	30	35	62	+0.036	6	62	+0.030
			8	10	12	15	16	20	25	30	35	80	+0.027		80	0
			8	10	12	15	16	20	25	30	35	100			100	
			8	10	12	15	16	20	25	30	35	120			120	

	Existing Products Copper Alloy		C-VALUE Products Copper Alloy	
	Regular	Unlubricated	Regular	Unlubricated
Lubrication	Regular	Unlubricated	Regular	Unlubricated
Maximum Allowable Load	29.0 (98.0) N/mm ²	20.3 (68.6) N/mm ²	29.0 (98.0) N/mm ²	20.3 (68.6) N/mm ²
Maximum Allowable Velocity	1.00m/s	0.5m/s	1.00m/s	0.5m/s

Value in () is the allowable static surface pressure.



Part Number		Unit Price															
Type	d	L8	L10	L12	L15	L16	L19	L20	L25	L30	L35	L40	L50	L60	L70	L80	L100
C-MPBZ	8																
	10																
	12																
	13																
	15																
	16																
	18																
	20																
	25																
	30																
	35																
	40																
	50																

Ordering Example
Part Number - L
C-MPBZ10 - 15