

# Oil Free Bushings

## Copper Alloy, Flanged, 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:** Flanged, less likely to pull-out.

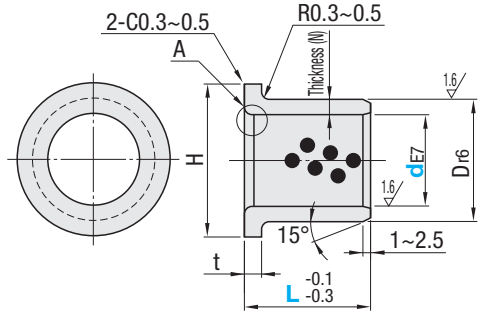
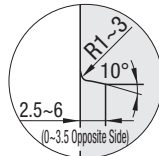
■ **Flanged, Standard**



**RoHS 10**

**MPFZ** (Standard)

Detail of A



⚠ Recommended Mating Shaft    d8: General Use (High-Load)    f8: High Precision Use    M Material: High Tensile Brass Alloy  
 e7: General Use (Light Load)    g6: High Precision Use (Intermittent Operation)    Solid Lubricant Embedded  
⚠ Press fitting is recommended to affix bushings.

Part Number		L							Dm6	Thickness (N)	H	0 t-0.1	Housing Dia. (Recommended Dimension)	Ref. Dim.	Tolerance (H7)
MPFZ	5	+0.032	10	12					9	2	14	2	9	+0.015 0	
	6	+0.020	10	12	15			10	16		10				
	8	+0.040	10	12	15	20		12	20		12				
	10	+0.025	10	12	15	20	25	30	14		14				
	12	+0.050 +0.032	10	12	15	20	25	30	18	3	25	3	18	+0.021 0	
	13		10	12	15	20	25	30	19		26		19		
	15		10	12	15	20	25	30	21		28		21		
	16		12	15	20	25	30	35	40		22		22		
	18	+0.061 +0.040	15	20	25	30	35	40	24	5	32	5	24	+0.025 0	
	20		15	20	25	30	35	40	30		40		30		
	25		15	20	25	30	35	40	50		35		35		
	30		20	25	30	35	40	50	40		50		40		
	35	+0.075 +0.050	20	25	30	35	40	50	45	5	60	5	45	+0.030 0	
	40		20	25	30	35	40	50	50		65		50		
	45		20	25	30	35	40	50	60		70		60		
	50		30	35	40	50	60	60	60		75		60		

**Ordering Example**    **Part Number** - **L**  
 MPFZ20 - 30

Part Number	Type	d	Unit Price										
			L10	L12	L15	L20	L25	L30	L35	L40	L50	L60	
MPFZ	5												
	6												
	8												
	10												
	12												
	13												
	15												
	16												
	18												
	20												
	25												
	30												
	35												
	40												
	50												

