

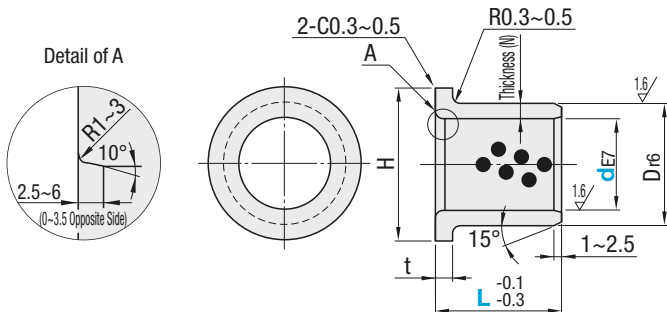
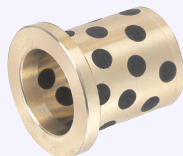
Oil Free Bushings
Copper Alloy, Flanged, Standard

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

MPFZ (Standard)

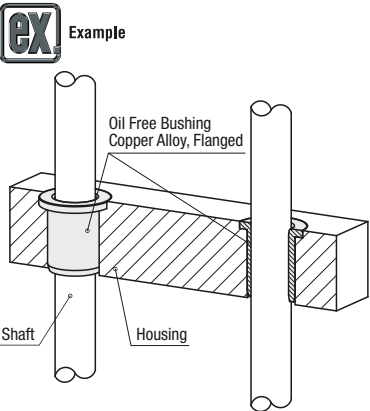


Recommended Mating Shaft: d8: General Use (High-Load), e7: General Use (Light Load), f8: High Precision Use, g6: High Precision Use (Intermittent Operation). Material: High Tensile Brass Alloy, Solid Lubricant Embedded.

Part Number			L										Dm6		Thickness (N)	H	0 t-0.1	Housing Dia. (Recommended Dimension)	
Type	dF7																	Ref. Dim.	Tolerance (H7)
MPFZ	5	+0.032 +0.020	10	12							9	+0.028 +0.019	2	14	2	9	+0.015 0		
	6		10	12	15					10		16		10					
	8	+0.040 +0.025	10	12	15	20				12	+0.034 +0.023	20		12		+0.018 0			
	10		10	12	15	20	25	30	14	22		14							
	12	+0.050 +0.032	10	12	15	20	25	30			18	+0.041 +0.028	3	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		29	22	
	18		15	20	25	30	35	40			24	32	24						
	20	+0.061 +0.040	15	20	25	30	35	40			30	+0.050 +0.034	5	5	30	+0.025 0			
	25		15	20	25	30	35	40	50						35		45	35	
	30		20	25	30	35	40	50			40				50		40		
	35	+0.075 +0.050	20	25	30	35	40	50			45	+0.060 +0.041	5	5	45	+0.030 0			
	40		20	25	30	35	40	50			50				65		50		
	50		30	35	40	50	60			60	75				60				

Ordering Example: Part Number MPFZ20 - L 30

Part Number		Unit Price									
Type	d	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	-	-	-	-	-					-



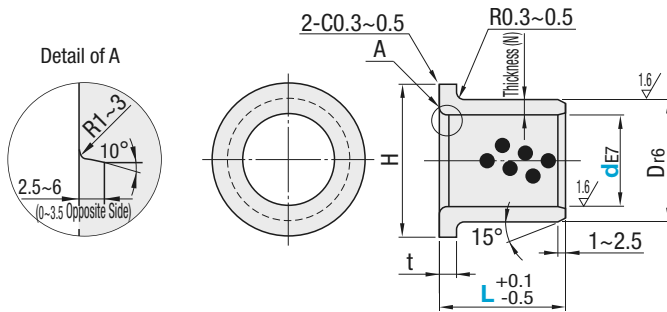
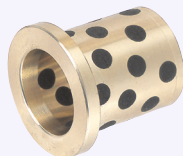
Oil Free Bushings
C-VALUE Products - Copper Alloy, Flanged, Standard

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: Flanged, less likely to pull-out.

Flanged, Standard

C-MPFZ (Standard)



Recommended Mating Shaft: 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)	H	t+0.1 t-0.2	Housing Dia. (Recommended Dimension)	
Type	dF7															Ref. Dim.	Tolerance (H7)
C-MPFZ	10	+0.045 +0.020	15	20						14	+0.040 +0.019	2	22	2	14	+0.018 0	
	12	+0.055 +0.027	15	20						18	+0.047 +0.024		3	25	3	18	+0.021 0
	13		15	20						19				26		19	
	15		15	20	25	30			21	28		21					
	16	+0.065 +0.035	15	20	25	30				22	+0.056 +0.030	5	29	5	22	+0.025 0	
	20		20	25	30	35			30	40			30				
	25		20	25	30	35	40			35			45		35		
	30	20	25	30	40		50	40	50	40							
	35	+0.080 +0.047	30			40	50			45			60		45		
	40		30			40	50			50			65		50		
	50		40			60				60	+0.060 +0.041	75	60	+0.030 0			

Ordering Example: Part Number C-MPFZ20 - L 30

Part Number		Unit Price							
Type	d	L15	L20	L25	L30	L35	L40	L50	L60
C-MPFZ	10			-	-	-	-	-	-
	12			-	-	-	-	-	-
	13			-	-	-	-	-	-
	15				-	-	-	-	-
	16					-	-	-	-
	20	-				-	-	-	-
	25	-					-	-	-
	30	-						-	-
	35	-	-	-					-
	40	-	-	-					-
	50	-	-	-	-	-			-

