

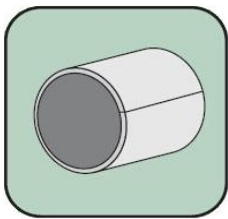
BM Bi-metal Bearing is made of steel-bronze-compound material with indents as reservoir for the grease. It has high load capacity, very good resistance to fatigue strength at higher temperatures. It is applicable in rough operation conditions. The products are widely used in mechanical handling and lifting equipment, hydraulic cylinders, agricultural equipment, off highway equipment.

Technical Data

	BM800	BM801	BM700	BM701
Material	Steel+CuSn6Zn6Pb3	Steel+CuPb10Sn10	Steel+CuPb30	Steel+CuPb24Sn4
Bronze Hardness	HB70-HB100	HB60-HB90	HB30-HB45	HB45-HB70
Max. Load Pressure	150 N/mm ²	150 N/mm ²	120 N/mm ²	130 N/mm ²
Max. Linear Speed	4m/s	5m/s	15m/s	10m/s
Max. PV	8 N/mm ² · m/s	10 N/mm ² · m/s	8 N/mm ² · m/s	10 N/mm ² · m/s
Tensile Strength	185 N/mm ²	185 N/mm ²	200 N/mm ²	150 N/mm ²

Products Standard: ISO3547 (Replaces DIN1494)

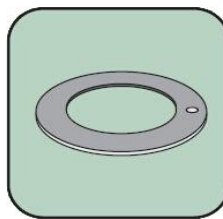
Available Structures



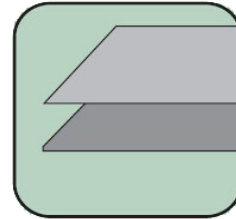
S Sleeve Bushing



WF Flanged Bushing



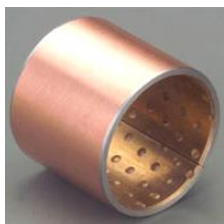
W Thrust Washer



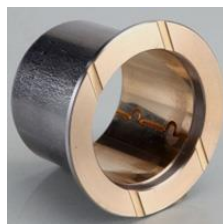
P Slide Plate

= ordering code

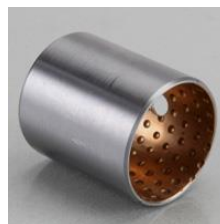
Typical Models



Plain Bush



Flanged Bush



Knuckle Bush



Balance Shaft Bush



Plate Lug Bush



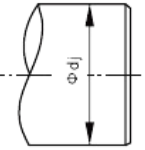
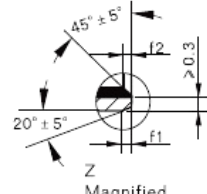
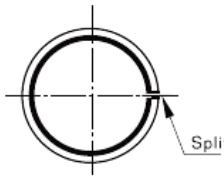
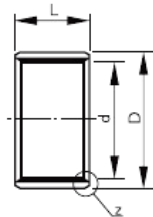
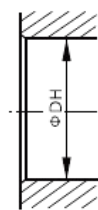
Truck Bush



Gear Pump Plate



Graphite Filled Bush



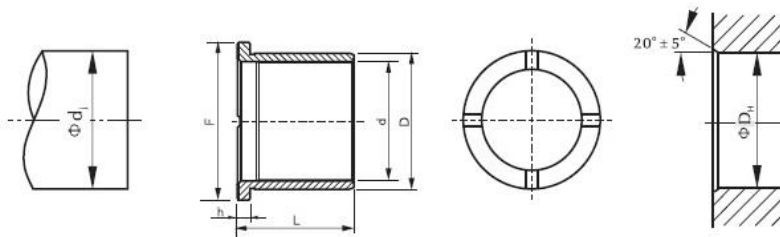
Unit: mm

Shaft dj	ID d	Housing	OD D	L															
				10	12	15	20	25	30	40	50	60	70	80	90	100	110		
9.957 9.984	10	+0.043 +0.000	12.018 12.000	12	+0.065 +0.030	●	●	●											
11.957 11.984	12	+0.043 +0.000	14.018 14.000	14	+0.065 +0.030	●	●	●											
13.957 13.984	14	+0.043 +0.000	16.018 16.000	16	+0.065 +0.030	●	●	●	●	●									
14.957 14.984	15	+0.043 0.000	17.018 17.000	17	+0.065 +0.030		●	●	●	●									
15.957 15.984	16	+0.043 +0.000	18.018 18.000	18	+0.065 +0.030		●	●	●	●									
16.957 16.984	17	+0.043 +0.000	19.021 19.000	19	+0.075 +0.035		●	●	●	●	●								
17.957 17.984	18	+0.043 +0.000	20.021 20.000	20	+0.075 +0.035		●	●	●	●	●								
19.947 19.980	20	+0.052 +0.000	23.021 23.000	23	+0.075 +0.035			●	●	●	●								
21.947 21.980	22	+0.052 +0.000	25.021 25.000	25	+0.075 +0.035			●	●	●	●	●							
23.947 23.980	24	+0.052 +0.000	27.021 27.000	27	+0.075 +0.035			●	●	●	●	●							
24.947 24.980	25	+0.052 +0.000	28.021 28.000	28	+0.075 +0.035				●	●	●	●							
27.947 27.980	28	+0.052 +0.000	32.025 32.000	32	+0.085 +0.045				●	●	●	●							
29.947 29.980	30	+0.052 +0.000	34.025 34.000	34	+0.085 +0.045				●	●	●	●							
31.936 31.975	32	+0.062 +0.000	36.025 36.000	36	+0.085 +0.045				●	●	●	●	●						
34.936 34.975	35	+0.062 +0.000	39.025 39.000	39	+0.085 +0.045				●	●	●	●	●						
37.936 37.975	38	+0.062 +0.000	42.025 42.000	42	+0.085 +0.045					●	●	●	●						
39.936 39.975	40	+0.062 +0.000	44.025 44.000	44	+0.085 +0.045					●	●	●	●	●					
44.936 44.975	45	+0.062 +0.000	50.025 50.000	50	+0.085 +0.045					●	●	●	●	●					
49.936 49.975	50	+0.062 +0.000	55.030 55.000	55	+0.100 +0.055					●	●	●	●	●					
54.924 54.970	55	+0.074 +0.000	60.030 60.000	60	+0.100 +0.055					●	●	●	●	●					
59.924 59.970	60	+0.074 +0.000	65.030 65.000	65	+0.100 +0.055						●	●	●	●	●				
64.924 64.970	65	+0.074 +0.000	70.030 70.000	70	+0.100 +0.055						●	●	●	●	●				
59.924 59.970	70	+0.074 +0.000	75.030 75.000	75	+0.100 +0.055							●	●	●	●	●			
74.924 74.970	75	+0.074 +0.000	80.030 80.000	80	+0.100 +0.055								●	●	●	●	●	●	●
79.910 79.964	80	+0.087 +0.000	85.035 85.000	85	+0.120 +0.070									●	●	●	●	●	●
84.910 84.964	85	+0.087 +0.000	90.035 90.000	90	+0.120 +0.070										●	●	●	●	●
89.910 89.964	90	+0.087 +0.000	95.035 95.000	95	+0.120 +0.070											●	●	●	●

Shaft d _j	ID d	Housing	OD D	L -0.00 -0.40 (d<28L -0.30)													
				40	45	50	55	60	65	70	75	80	90	100	110	120	
94.910 94.964	95	+0.087 +0.000	100.035 100.000	100	+0.120 +0.070	●	●	●	●	●	●	●	●	●	●		
99.910 99.964	100	+0.087 +0.000	105.035 105.000	105	+0.120 +0.070		●	●	●	●	●	●	●	●	●	●	
104.910 104.964	105	+0.087 +0.000	110.035 110.000	110	+0.120 +0.070		●	●	●	●	●	●	●	●	●	●	●
109.910 109.964	110	+0.087 +0.000	115.035 115.000	115	+0.120 +0.070			●	●	●	●	●	●	●	●	●	●
114.910 114.964	115	+0.087 +0.000	120.035 120.000	120	+0.170 +0.100				●	●	●	●	●	●	●	●	●
119.894 119.957	120	+0.100 +0.000	125.035 125.000	125	+0.170 +0.100				●	●	●	●	●	●	●	●	●
124.894 124.957	125	+0.100 +0.000	130.040 130.000	130	+0.170 +0.100					●	●	●	●	●	●	●	●

Customized sizes also can be produced

Ordering : - x x = pcs



Unit: mm

Shaft d _j	ID d	Housing D _h	OD D	F	L -0.00 -0.40 (d<28L -0.30)												
					35	40	45	50	55	60	65	70	75	80	85	90	95
39.936 39.975	40	+0.062 +0.000	44.025 44.000	46	+0.085 +0.045	60	●	●	●								
44.936 44.975	45	+0.062 +0.000	50.025 50.000	55	+0.085 +0.045	68		●	●	●							
49.936 49.975	50	+0.062 +0.000	55.030 55.000	57	+0.100 +0.055	70			●	●	●						
54.924 54.970	54	+0.074 +0.000	60.030 60.000	60	+0.100 +0.055	75				●	●	●					
59.924 59.970	60	+0.074 +0.000	65.030 65.000	68	+0.100 +0.055	77					●	●	●				
64.924 64.970	65	+0.074 +0.000	70.030 70.000	72	+0.100 +0.055	85						●	●	●			
59.924 59.970	70	+0.074 +0.000	75.030 75.000	80	+0.100 +0.055	93								●	●	●	
74.924 74.970	75	+0.074 +0.000	80.030 80.000	82	+0.100 +0.055	100									●	●	●
79.910 79.964	80	+0.087 +0.000	85.035 85.000	87	+0.120 +0.070	105										●	●

Customized sizes also can be produced

Ordering : - x x x = pcs