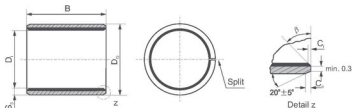


SB-BM Cylindrical Bushing, Metric Size List



Available bimetal materials:

- SB-BM1: Steel + CuSn12/SL
- SB-BM2: Steel + CuSn10Pb10/SL
- SB-BM3: Stainless Steel + CuSn12/SL
- SB-BM4: Bronze + CuSn12/SL

Material specification please see PAGE No.12

ID and OD chamfers

S ₁	C ₀	C ₁	β	S ₁	C ₀	C ₁	β
0.75	0.5±0.3	0.25±0.2	35° ±5°	2.00	1.2±0.4	0.50±0.3	35° ±5°
1.00	0.8±0.3	0.30±0.2	35° ±5°	2.50	1.8±0.6	0.60±0.3	45° ±5°
1.50	0.7±0.3	0.50±0.3	35° ±5°				

Unit:mm

D ₁	D ₀	Shaft D _s h8	Housing D _h H7	ID after fixed D _s	Clearance C ₀	Wall thickness S ₁	Sinter layer S ₂	B _{0.40}						
								10	15	20	25	30	40	50
10	12	10 _{-0.022}	12 ^{+0.018}		0.170 0.010	0.995 0.935	0.4	SB-BM 1010	SB-BM 1015	SB-BM 1020				
12	14	12 _{-0.027}	14 ^{+0.018}					SB-BM 1210	SB-BM 1215	SB-BM 1220				
14	16	14 _{-0.027}	16 ^{+0.018}	+0.148 +0.010	0.175 0.010			SB-BM 1410	SB-BM 1415	SB-BM 1420				
15	17	15 _{-0.027}	17 ^{+0.018}					SB-BM 1510	SB-BM 1515	SB-BM 1520				
16	18	16 _{-0.027}	18 ^{+0.018}			SB-BM 1610	SB-BM 1615	SB-BM 1620						
18	20	18 _{-0.027}	20 ^{+0.021}	+0.151 +0.010	0.178 0.010	SB-BM 1810	SB-BM 1815	SB-BM 1820	SB-BM 1825					
20	23	20 _{-0.033}	23 ^{+0.021}			SB-BM 2010	SB-BM 2015	SB-BM 2020	SB-BM 2025					
22	25	22 _{-0.033}	25 ^{+0.021}	+0.161 +0.020	0.194 0.020	1.490 1.430	0.5	SB-BM 2210	SB-BM 2215	SB-BM 2220	SB-BM 2225			
24	27	24 _{-0.033}	27 ^{+0.021}			SB-BM 2410	SB-BM 2415	SB-BM 2420	SB-BM 2425	SB-BM 2430				
25	28	25 _{-0.033}	28 ^{+0.021}			SB-BM 2515	SB-BM 2520	SB-BM 2525	SB-BM 2530					
26	30	26 _{-0.033}	30 ^{+0.021}	+0.181 +0.040	0.214 0.040		0.6	SB-BM 2615	SB-BM 2620	SB-BM 2625	SB-BM 2630			
28	32	28 _{-0.033}	32 ^{+0.025}		0.218 0.040		SB-BM 2815	SB-BM 2820	SB-BM 2825	SB-BM 2830	SB-BM 2840			
30	34	30 _{-0.033}	34 ^{+0.025}				SB-BM 3015	SB-BM 3020	SB-BM 3025	SB-BM 3030	SB-BM 3040			
32	36	32 _{-0.039}	36 ^{+0.025}	+0.185 +0.040		1.980 1.920	0.6	SB-BM 3215	SB-BM 3220	SB-BM 3225	SB-BM 3230	SB-BM 3240		
35	39	35 _{-0.039}	39 ^{+0.025}		0.224 0.040		SB-BM 3520	SB-BM 3525	SB-BM 3530	SB-BM 3540	SB-BM 3550			
38	42	38 _{-0.039}	42 ^{+0.025}				SB-BM 3820	SB-BM 3825	SB-BM 3830	SB-BM 3840	SB-BM 3850			
40	44	40 _{-0.039}	44 ^{+0.025}				SB-BM 4020	SB-BM 4025	SB-BM 4030	SB-BM 4040	SB-BM 4050			

SB-BM Cylindrical Bushing, Metric Size List

Unit:mm

D _i	D _o	Shaft D _s h8	Housing H7 D _h	ID after fixed D _{h,s}	Clearance C ₀	Wall thickness S _w	Sinter layer S _s	B ⁰ _{-0.40}												
								25	30	40	50	60	80	90	100					
45	50	45 ^{-0.039}	50 ^{+0.025}	+0.225 +0.080	0.264 0.080	2.460 2.400	0.7	SB-BM 4525	SB-BM 4530	SB-BM 4540	SB-BM 4550									
50	55	50 ^{-0.039}	55 ^{+0.030}	+0.230 +0.080	0.269 0.080			SB-BM 5030	SB-BM 5040	SB-BM 5050	SB-BM 5060									
55	60	55 ^{-0.046}	60 ^{+0.030}		SB-BM 5530			SB-BM 5540	SB-BM 5550	SB-BM 5560										
60	65	60 ^{-0.046}	65 ^{+0.030}		SB-BM 6030			SB-BM 6040	SB-BM 6050	SB-BM 6060										
65	70	65 ^{-0.046}	70 ^{+0.030}		SB-BM 6530			SB-BM 6540	SB-BM 6550	SB-BM 6560										
70	75	70 ^{-0.046}	75 ^{+0.030}		SB-BM 7030			SB-BM 7040	SB-BM 7050	SB-BM 7060	SB-BM 7080									
75	80	75 ^{-0.046}	80 ^{+0.030}	+0.235 +0.080	0.276 0.080			SB-BM 7530	SB-BM 7540	SB-BM 7550	SB-BM 7560									
80	85	80 ^{-0.046}	85 ^{+0.035}					0.281 0.080	SB-BM 8040	SB-BM 8050	SB-BM 8060	SB-BM 8080								
85	90	85 ^{-0.054}	90 ^{+0.035}					SB-BM 8530	SB-BM 8550	SB-BM 8560	SB-BM 8580									SB-BM 85100
90	95	90 ^{-0.054}	95 ^{+0.035}					SB-BM 9050	SB-BM 9060	SB-BM 9080	SB-BM 90100									
95	100	95 ^{-0.054}	100 ^{+0.035}					0.289 0.080	SB-BM 9560	SB-BM 9580	SB-BM 9590	SB-BM 95100								
100	105	100 ^{-0.054}	105 ^{+0.035}	+0.240 +0.080	0.303 0.080			SB-BM 10060	SB-BM 10080	SB-BM 10090	SB-BM 100100									
105	110	105 ^{-0.054}	110 ^{+0.035}					SB-BM 10560	SB-BM 10580		SB-BM 105100									
110	115	110 ^{-0.054}	115 ^{+0.035}					SB-BM 11060	SB-BM 11080		SB-BM 110100									
115	120	115 ^{-0.054}	120 ^{+0.035}					SB-BM 11550	SB-BM 11580											
120	125	120 ^{-0.054}	125 ^{+0.040}					SB-BM 12050	SB-BM 12060	SB-BM										SB-BM 120100
125	130	125 ^{-0.063}	130 ^{+0.040}	+0.240 +0.080	0.303 0.080													SB-BM 125100		
130	135	130 ^{-0.063}	135 ^{+0.040}					SB-BM 13060											SB-BM 130100	
135	140	135 ^{-0.063}	140 ^{+0.040}					SB-BM 13560	SB-BM 13580											
140	145	140 ^{-0.063}	145 ^{+0.040}					SB-BM 14060	SB-BM 14080											SB-BM 140100
150	155	150 ^{-0.063}	155 ^{+0.040}			SB-BM 15060	SB-BM 15080											SB-BM 150100		

● The above mentioned sizes are only for reference, SinoBronze can produce the parts according to the customers drawings.

SB-BM Cylindrical Bushing, Metric Size List

Unit:mm

Bushes tolerance

I.D.	10<d≤18	18<d≤30	30<d≤50	50<d≤80	80<d≤120	120<d≤180	180<d≤250	250<d≤300
O.D. tolerance	+0.065 +0.030	+0.075 +0.035	+0.085 +0.045	+0.100 +0.055	+0.120 +0.070	+0.170 +0.100	+0.210 +0.130	+0.260 +0.170
Installed I.D.H9	+0.043 0	+0.052 0	+0.062 0	+0.074 0	+0.087 0	+0.100 0	+0.115 0	+0.130 0

Housing: H7, Shaft: d7

Metric standard strip



Available bimetal materials:

SB-BM1: Steel + CuSn12/SL

SB-BM2: Steel + CuSn10Pb10/SL

SB-BM3: Stainless Steel + CuSn12/SL

SB-BM4: Bronze + CuSn12/SL

Material specification please see PAGE No.12

Unit:mm

Bimetal Plate	Wall thickness	Lining layer thickness	Length ± 1	Thickness -0.05
SB-BM-P100500	1.0	≥ 0.40	500	150
SB-BM-P150500	1.5	≥ 0.50	500	150
SB-BM-P200500	2.0	≥ 0.60	500	150
SB-BM-P250500	2.5	≥ 0.70	500	150
SB-BM-P300500	3.0	≥ 1.00	500	150
SB-BM-P500500	5.0	≥ 1.50	500	150

- The above mentioned sizes are only for reference, SinoBronze can produce the parts according to the customers drawings.