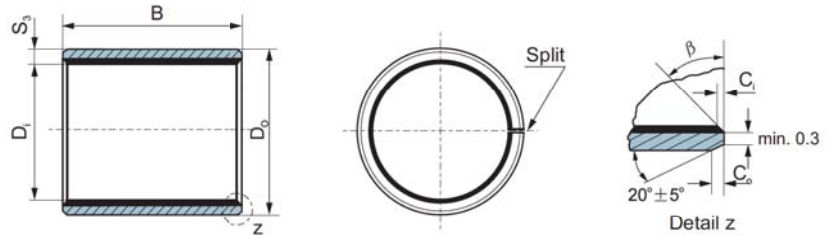


CSB-50 Metric Cylindrical Bushes



ID and OD chamfers

S ₃	C ₀	C ₁	β	S ₃	C ₀	C ₁	β
0.75	0.5±0.3	0.25±0.2	30° ±5°	2.00	1.2±0.4	0.50±0.3	30° ±5°
1.00	0.6±0.3	0.30±0.2	30° ±5°	2.50	1.8±0.6	0.60±0.3	45° ±5°
1.50	0.7±0.3	0.50±0.3	30° ±5°				

Unit:mm

Shaft D _s	Housing H7 D _H	OD tolerance D ₀	ID after fixed D _{1a}	Clearance C ₀	Wall thick- ness S ₃	B ⁰ (d ≤ φ30 B-0.3) -0.40 (d > φ30 B-0.4)																
						6	8	10	12	15	20	25	30	40	50							
6 -0.010 -0.022	8 +0.015	8 +0.055 +0.025	6.055 5.990	0.077 0.000	1.005 0.980	CSB-50 0606	CSB-50 0608	CSB-50 0610														
8 -0.013 -0.028	10 +0.015	10 +0.055 +0.025	8.055 7.990	0.083 0.003		CSB-50 0806	CSB-50 0808	CSB-50 0810	CSB-50 0812	CSB-50 0815												
10 -0.013 -0.028	12 +0.018	12 +0.065 +0.030	10.058 9.990	0.086 0.003		CSB-50 1006	CSB-50 1008	CSB-50 1010	CSB-50 1012	CSB-50 1015	CSB-50 1020											
12 -0.016 -0.034	14 +0.018	14 +0.065 +0.030	12.058 11.990	0.092 0.006		CSB-50 1206	CSB-50 1208	CSB-50 1210	CSB-50 1212	CSB-50 1215	CSB-50 1220	CSB-50 1225										
13 -0.016 -0.034	15 +0.018	15 +0.065 +0.030	13.058 12.990			CSB-50 1310					CSB-50 1320											
14 -0.016 -0.034	16 +0.018	16 +0.065 +0.030	14.058 13.990			CSB-50 1410	CSB-50 1412	CSB-50 1415	CSB-50 1420	CSB-50 1425												
15 -0.016 -0.034	17 +0.018	17 +0.065 +0.030	15.058 14.990			CSB-50 1510	CSB-50 1512	CSB-50 1515	CSB-50 1520	CSB-50 1525												
16 -0.016 -0.034	18 +0.018	18 +0.065 +0.030	16.058 15.990			CSB-50 1610	CSB-50 1612	CSB-50 1615	CSB-50 1620	CSB-50 1625												
17 -0.016 -0.034	19 +0.021	19 +0.075 +0.035	17.061 16.990			0.095 0.006	CSB-50 1710	CSB-50 1712		CSB-50 1720												
18 -0.016 -0.034	20 +0.021	20 +0.075 +0.035	18.061 17.990			CSB-50 1810	CSB-50 1812	CSB-50 1815	CSB-50 1820	CSB-50 1825												
20 -0.020 -0.041	23 +0.021	23 +0.075 +0.035	20.071 19.990	0.112 0.010	1.505 1.475	CSB-50 2010	CSB-50 2012	CSB-50 2015	CSB-50 2020	CSB-50 2025	CSB-50 2030											
22 -0.020 -0.041	25 +0.021	25 +0.075 +0.035	22.071 21.990			CSB-50 2210	CSB-50 2212	CSB-50 2215	CSB-50 2220	CSB-50 2225	CSB-50 2230											
24 -0.020 -0.041	27 +0.021	27 +0.075 +0.035	24.071 23.990						CSB-50 2415	CSB-50 2420	CSB-50 2425	CSB-50 2430										
25 -0.020 -0.041	28 +0.021	28 +0.075 +0.035	25.071 24.990					CSB-50 2510	CSB-50 2512	CSB-50 2515	CSB-50 2520	CSB-50 2525	CSB-50 2530	CSB-50 2540	CSB-50 2550							
28 -0.020 -0.041	32 +0.025	32 +0.085 +0.045	28.085 27.990			0.126 0.010				CSB-50 2815	CSB-50 2820	CSB-50 2825	CSB-50 2830	CSB-50 2840								
30 -0.020 -0.041	34 +0.025	34 +0.085 +0.045	30.085 29.990	0.135 0.015	2.005 1.970		CSB-50 3012	CSB-50 3015	CSB-50 3020	CSB-50 3025	CSB-50 3030	CSB-50 3040										
32 -0.025 -0.050	36 +0.025	36 +0.085 +0.045	32.085 31.990							CSB-50 3220		CSB-50 3230	CSB-50 3240									
35 -0.025 -0.050	39 +0.025	39 +0.085 +0.045	35.085 34.990					CSB-50 3512	CSB-50 3515	CSB-50 3520	CSB-50 3525	CSB-50 3530	CSB-50 3540	CSB-50 3550								
38 -0.025 -0.050	42 +0.025	42 +0.085 +0.045	38.085 37.990							CSB-50 3815			CSB-50 3830	CSB-50 3840								
40 -0.025 -0.050	44 +0.025	44 +0.085 +0.045	40.085 39.990						CSB-50 4012		CSB-50 4020	CSB-50 4025	CSB-50 4030	CSB-50 4040	CSB-50 4050							

CSB-50 Metric Cylindrical Bushes

Unit:mm

Shaft D _s	Housing H7 D _h	OD tolerance D _o	ID after fixed D _{1a}	Clearance C _D	Wall thick- ness S ₃	B ⁰ _{-0.40}												
						20	25	30	40	50	60	70	80	100	115			
45 ^{-0.050} _{-0.025}	50 ^{+0.025}	50 ^{+0.085} _{+0.045}	45.105 44.990	0.155 0.015	2.505 2.460	CSB-50 4520	CSB-50 4525	CSB-50 4530	CSB-50 4540	CSB-50 4550								
50 ^{-0.050} _{-0.025}	55 ^{+0.030}	55 ^{+0.100} _{+0.055}	50.110 49.990	0.160 0.015		CSB-50 5020		CSB-50 5030	CSB-50 5040	CSB-50 5050	CSB-50 5060							
55 ^{-0.060} _{-0.030}	60 ^{+0.030}	60 ^{+0.100} _{+0.055}	55.110 54.990	0.170 0.020				CSB-50 5530	CSB-50 5540	CSB-50 5550	CSB-50 5560							
60 ^{-0.060} _{-0.030}	65 ^{+0.030}	65 ^{+0.100} _{+0.055}	60.110 59.990						CSB-50 6030	CSB-50 6040	CSB-50 6050	CSB-50 6060	CSB-50 6070					
65 ^{-0.060} _{-0.030}	70 ^{+0.030}	70 ^{+0.100} _{+0.055}	65.110 64.990						CSB-50 6530	CSB-50 6540	CSB-50 6550	CSB-50 6560	CSB-50 6570					
70 ^{-0.060} _{-0.030}	75 ^{+0.030}	75 ^{+0.100} _{+0.055}	70.110 69.990							CSB-50 7040	CSB-50 7050	CSB-50 7060	CSB-50 7070	CSB-50 7080				
75 ^{-0.060} _{-0.030}	80 ^{+0.030}	80 ^{+0.100} _{+0.055}	75.110 74.990							CSB-50 7530	CSB-50 7540	CSB-50 7550	CSB-50 7560	CSB-50 7570	CSB-50 7580			
80 ^{-0.046}	85 ^{+0.035}	85 ^{+0.120} _{+0.070}	80.155 80.020	0.201 0.020	2.490 2.440				CSB-50 8040	CSB-50 8050	CSB-50 8060	CSB-50 8070	CSB-50 8080	CSB-50 80100				
85 ^{-0.054}	90 ^{+0.035}	90 ^{+0.120} _{+0.070}	85.155 85.020	0.209 0.020						CSB-50 8540		CSB-50 8560		CSB-50 8580	CSB-50 85100			
90 ^{-0.054}	95 ^{+0.035}	95 ^{+0.120} _{+0.070}	90.155 90.020							CSB-50 9040	CSB-50 9050	CSB-50 9060		CSB-50 9080	CSB-50 90100			
95 ^{-0.054}	100 ^{+0.035}	100 ^{+0.120} _{+0.070}	95.155 95.020								CSB-50 9550	CSB-50 9560		CSB-50 9580	CSB-50 95100			
100 ^{-0.054}	105 ^{+0.035}	105 ^{+0.120} _{+0.070}	100.155 100.020								CSB-50 10050	CSB-50 10060		CSB-50 10080		CSB-50 100115		
105 ^{-0.054}	110 ^{+0.035}	110 ^{+0.120} _{+0.070}	105.155 105.020									CSB-50 10560		CSB-50 10580		CSB-50 105115		
110 ^{-0.054}	115 ^{+0.035}	115 ^{+0.120} _{+0.070}	110.155 110.020									CSB-50 11060		CSB-50 11080		CSB-50 110115		
120 ^{-0.054}	125 ^{+0.040}	125 ^{+0.170} _{+0.100}	120.210 120.070		0.264 0.070	2.465 2.415						CSB-50 12060		CSB-50 12080	CSB-50 120100			
125 ^{-0.063}	130 ^{+0.040}	130 ^{+0.170} _{+0.100}	125.210 125.070	0.273 0.070								CSB-50 12560			CSB-50 125100	CSB-50 125115		
130 ^{-0.063}	135 ^{+0.040}	135 ^{+0.170} _{+0.100}	130.210 130.070										CSB-50 13060		CSB-50 13080	CSB-50 130100		
140 ^{-0.063}	145 ^{+0.040}	145 ^{+0.170} _{+0.100}	140.210 140.070										CSB-50 14060		CSB-50 14080	CSB-50 140100		
150 ^{-0.063}	155 ^{+0.040}	155 ^{+0.170} _{+0.100}	150.210 150.070										CSB-50 15060		CSB-50 15080	CSB-50 150100		
160 ^{-0.063}	165 ^{+0.040}	165 ^{+0.170} _{+0.100}	160.210 160.070										CSB-50 16060		CSB-50 16080	CSB-50 160100	CSB-50 160115	
180 ^{-0.063}	185 ^{+0.046}	185 ^{+0.210} _{+0.130}	180.216 180.070		0.279 0.070		2.465 2.415								CSB-50 18080	CSB-50 180100		
190 ^{-0.072}	195 ^{+0.046}	195 ^{+0.210} _{+0.130}	190.216 190.070		0.288 0.070										CSB-50 19080	CSB-50 190100		
200 ^{-0.072}	205 ^{+0.046}	205 ^{+0.210} _{+0.130}	200.216 200.070									CSB-50 20060		CSB-50 20080	CSB-50 200100			
220 ^{-0.072}	225 ^{+0.046}	225 ^{+0.210} _{+0.130}	220.216 220.070											CSB-50 22080	CSB-50 220100			
250 ^{-0.072}	255 ^{+0.052}	255 ^{+0.260} _{+0.170}	250.222 250.070	0.294 0.070											CSB-50 25080	CSB-50 250100		
260 ^{-0.081}	265 ^{+0.052}	265 ^{+0.260} _{+0.170}	260.222 260.070	0.303 0.070		2.465 2.415								CSB-50 26080	CSB-50 260100			
280 ^{-0.081}	285 ^{+0.052}	285 ^{+0.260} _{+0.170}	280.222 280.070											CSB-50 28080	CSB-50 280100			
300 ^{-0.081}	305 ^{+0.052}	305 ^{+0.260} _{+0.170}	300.222 300.070											CSB-50 30080	CSB-50 300100			