

SPHERICAL BUSHINGS

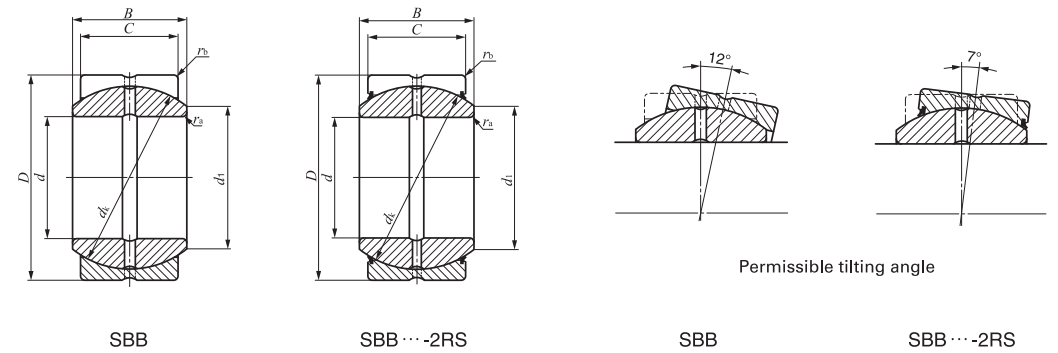
Steel-on-steel Spherical Bushings **Inch Series**



Shaft dia. 12.700 – 63.500mm

Shaft dia. mm (inch)	Identification number		Mass (Ref.) kg	Boundary dimensions mm(inch)			
	Without seal	With seals		<i>d</i>	<i>D</i>	<i>B</i>	<i>C</i>
12.700 (1/2)	SBB 8	—	0.020	12.700 (1/2)	22.225 (7/8)	11.10(.437)	9.52(.375)
15.875 (5/8)	SBB 10	—	0.036	15.875 (5/8)	26.988 (1 1/16)	13.89(.547)	11.91(.469)
19.050 (3/4)	SBB 12	SBB 12-2RS	0.057	19.050 (3/4)	31.750 (1 1/4)	16.66(.656)	14.27(.562)
22.225 (7/8)	SBB 14	SBB 14-2RS	0.088	22.225 (7/8)	36.512 (1 7/16)	19.43(.765)	16.66(.656)
25.400 (1)	SBB 16	SBB 16-2RS	0.125	25.400 (1)	41.275 (1 5/8)	22.22(.875)	19.05(.750)
31.750 (1 1/4)	SBB 20	SBB 20-2RS	0.234	31.750 (1 1/4)	50.800 (2)	27.76(1.093)	23.80(.937)
34.925 (1 3/8)	SBB 22	SBB 22-2RS	0.349	34.925 (1 3/8)	55.562 (2 3/16)	30.15(1.187)	26.19(1.031)
38.100 (1 1/2)	SBB 24	SBB 24-2RS	0.424	38.100 (1 1/2)	61.912 (2 7/16)	33.32(1.312)	28.58(1.125)
44.450 (1 3/4)	SBB 28	SBB 28-2RS	0.649	44.450 (1 3/4)	71.438 (2 13/16)	38.89(1.531)	33.32(1.312)
50.800 (2)	SBB 32	SBB 32-2RS	0.939	50.800 (2)	80.962 (3 3/16)	44.45(1.750)	38.10(1.500)
57.150 (2 1/4)	SBB 36	SBB 36-2RS	1.32	57.150 (2 1/4)	90.488 (3 9/16)	50.01(1.969)	42.85(1.687)
63.500 (2 1/2)	SBB 40	SBB 40-2RS	1.85	63.500 (2 1/2)	100.012 (3 15/16)	55.55(2.187)	47.62(1.875)

Note(1) Maximum allowable corner radius of the shaft or housing
 Remarks1. The value with mark * is applicable to types without seals. For types with seals, the value is 0.4 mm.
 2. The inner ring and the outer ring have an oil groove and two oil holes, respectively.
 3. No grease is prepacked. Perform proper lubrication.



<i>d_k</i>	Radial internal clearance mm Min./Max.	Mounting dimensions mm			Dynamic load capacity <i>C_d</i> N	Static load capacity <i>C_s</i> N
		<i>d₁</i>	⁽¹⁾ <i>r_{as} max</i> Max.	⁽¹⁾ <i>r_{bs} max</i> Max.		
18 (.709)	0.05 / 0.15	14.0	0.2	0.6	16 800	101 000
23 (.906)	0.05 / 0.15	17.9	0.2	0.8	26 900	161 000
27.5(1.083)	0.08 / 0.18	21.4	0.6	*0.8	38 500	231 000
32 (1.260)	0.08 / 0.18	25.0	0.6	*0.8	52 300	314 000
36 (1.417)	0.08 / 0.18	28.0	0.6	*0.8	67 300	404 000
45 (1.772)	0.08 / 0.18	35.1	0.6	0.8	105 000	630 000
49 (1.929)	0.08 / 0.18	38.5	0.6	0.8	126 000	755 000
55 (2.165)	0.08 / 0.18	43.3	0.6	0.8	154 000	925 000
64 (2.520)	0.08 / 0.18	50.4	0.6	0.8	209 000	1 250 000
73 (2.874)	0.08 / 0.18	57.6	0.6	0.8	273 000	1 640 000
82 (3.228)	0.10 / 0.20	64.9	0.6	0.8	345 000	2 070 000
91 (3.583)	0.10 / 0.20	72.0	0.6	0.8	425 000	2 550 000

K

SB
GE
SBB