

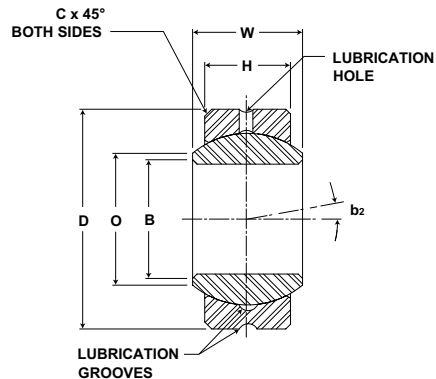
Spherical Plain Bearings **SEALMASTER®**



Basic Construction Type: 2 pc. General Purpose, Precision

Race Material: Variable, See Below

Ball Material: Variable, See Below



SBG, SBG-S, SBG-SA, SBG-SS Series Spherical Plain Bearings

Part No.	Part No.	Part No.	Part No.	Dimensions inch / mm							Max Static Radial Load lb/N				Misalignment Angle b ₂	Unit Wt. lb/kg
				B	D	W	H	C	Ball Diam.	O	SBG	SBG-S	SBG-SA	SBG-SS	Deg. +/-	
				+0.0000 -0.0005	+0.0000 -0.0005	+0.000 -0.005	+0.005 -0.005	Ref.	Ref.	Ref.						
SBG-3	SBG-3S	-	SBG-3SS	.1900	.5625	.281	.218	.025	.406	.293	2750	6480	-	4400	11 1/2	.020
				4.826	14.288	7.14	5.54	.64	10.31	7.44	12233	28824	-	19572		.009
SBG-4	SBG-4S	-	SBG-4SS	.2500	.6562	.343	.250	.025	.500	.364	4200	10000	-	6700	13 1/2	.020
				6.350	16.667	8.71	6.35	.64	12.70	9.25	18683	44482	-	29803		.009
SBG-5	SBG-5S	-	SBG-5SS	.3125	.7500	.375	.281	.025	.562	.419	5800	13900	-	9200	12	.030
				7.938	19.050	9.53	7.14	.64	14.27	10.64	25800	61830	-	40924		.014
SBG-6	SBG-6S	-	SBG-6SS	.3750	.8125	.406	.312	.030	.656	.515	7750	18700	-	12400	10	.040
				9.525	20.638	10.31	7.92	.76	16.66	13.08	34474	83182	-	55158		.018
SBG-7	SBG-7S	-	SBG-7SS	.4375	.9062	.437	.343	.035	.687	.530	9300	22300	-	14900	9 1/2	.050
				11.113	23.017	11.10	8.71	.89	17.45	13.46	41368	99195	-	66279		.023
SBG-8	SBG-8S	SBG-8SA	SBG-8SS	.5000	1.0000	.500	.390	.035	.781	.600	11200	26900	26900	17900	10	.070
				12.700	25.400	12.70	9.91	.89	19.84	15.24	49820	119657	119657	79623		.032
SBG-10	SBG-10S	SBG-10SA	SBG-10SS	.6250	1.1875	.625	.500	.035	.968	.739	20000	48000	48000	32000	9	.120
				15.875	30.163	15.88	12.70	.89	24.59	18.77	88964	213515	213515	142343		.054
SBG-12	SBG-12S	SBG-12SA	SBG-12SS	.7500	1.4375	.750	.593	.045	1.187	.920	30000	78000	78000	48000	9	.210
				19.050	36.513	19.05	15.06	1.14	30.15	23.37	133447	346961	346961	213515		.095
SBG-14	SBG-14S	SBG-14SA	SBG-14SS	.8750	1.5625	.875	.703	.045	1.312	.980	43000	103000	103000	69000	9 1/2	.270
				22.225	39.688	22.23	17.86	1.14	33.32	24.89	191274	458167	458167	306927		.122
SBG-16	SBG-16S	SBG-16SA	SBG-16SS	1.0000	1.7500	1.000	.797	.045	1.500	1.118	52000	125000	125000	83000	9 1/2	.380
				25.400	44.450	25.40	20.24	1.14	38.10	28.40	231308	556028	556028	369202		.172

NOTES:

1. Add letter "A" to suffix to indicate cross drilled oil hole in ball and race and a grooved I.D. on ball.
2. For design modifications, see page J-31.
3. For mounting information, see Recommended Housing Bore Diameters page J-43.

Material Specifications

SBG

Outer Race - Aluminum bronze
Ball - Alloy steel, heat treated, chrome plated

SBG-S

Outer Race - Alloy steel, heat treated with protective plating for corrosion resistance
Ball - Alloy steel, heat treated, chrome plated

SBG-SA

Outer Race - Alloy steel, heat treated with protective plating for corrosion resistance
Ball - Alloy steel, heat treated, chrome plated

SBG-SS

Outer Race - 300 series stainless steel
Ball - Stainless steel, heat treated

Metric dimensions for reference only.

Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.