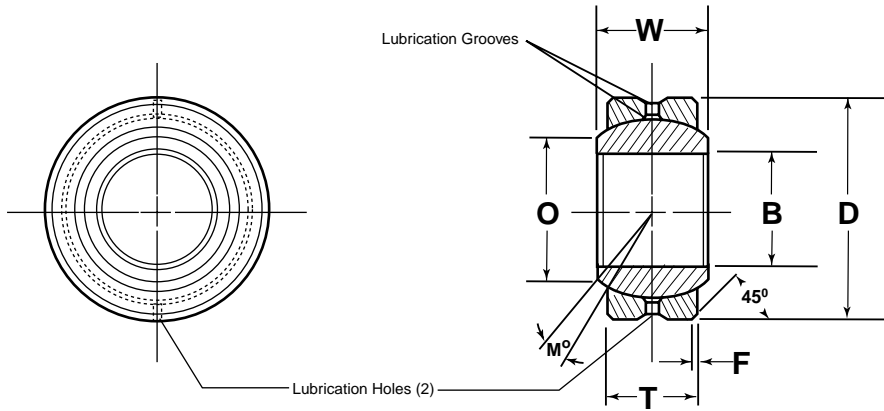


SPHERICAL BEARINGS/METAL TO METAL



Precision
Metal to Metal Series
Teflon* Liner Available

R / RB / RS / RSS / RCR / R-SS

RADIAL PART NO.	B	O	D	F	T	W	Ball Dia.	M°	HOUSING BORE Recommended Alum. or Steel	MAX. Static Radial Load (LBS)		Approx Weight (LBS)
	+0.000 -.0005	(REF.)	+0.000 -.0005	+0.000 -.010	±.005	+0.000 -.005	(REF.)	misalign angle		BRONZE RACE	ALLOY STEEL RACE	
-3	.1900	.293	.5625	.020	.218	.281	.406	11	.5623 .5618	2,700	5,400	.014
-4	.2500	.364	.6562	.022	.250	.343	.500	13	.6560 .6555	4,200	8,400	.022
-5	.3125	.419	.7500	.032	.281	.375	.562	12	.7498 .7493	5,800	11,600	.030
-6	.3750	.517	.8125	.032	.312	.406	.656	10	.8123 .8118	7,800	15,600	.038
-7	.4375	.572	.9062	.032	.343	.437	.718	9	.9060 .9055	9,300	18,600	.048
-8	.5000	.642	1.000	.032	.390	.500	.813	9	.9998 .9993	11,200	22,400	.065
-9	.5625	.672	1.0937	.031	.437	.562	.875	9	1.0935 1.0930	15,000	30,000	.086
-10	.6250	.739	1.1875	.032	.500	.625	.968	9	1.1873 1.1868	20,000	40,000	.110
-12	.7500	.920	1.4375	.044	.593	.750	1.187	9	1.4373 1.4368	30,000	78,000	.204
-14	.8750	.980	1.5625	.044	.703	.875	1.312	9	1.5623 1.5618	43,000	86,000	.263
-16	1.0000	1.118	1.7500	.044	.797	1.000	1.500	10	1.7498 1.7493	52,000	104,000	.386

Materials

PART #	BALL	RACE
R	52100 Steel H. T. & Chrome Plated	Alum. Bronze
RB	52100 Steel H. T. & Chrome Plated	Alum. Bronze Cad. Plated
RS	52100 Steel H. T. & Chrome Plated	4130 Steel or Equal H. T. Cad. Plated
RSS	52100 Steel H. T. & Chrome Plated	17-4 PH or Equal Stainless Steel Heat Treated
RCR	440C Stainless Steel H. T. & Chrome Plated	303 SS or Equal
R-SS	Type 440C Stainless Steel H. T. & Chrome Plated	303 SS or Equal

Notes

- Basic radial allowable load is determined from 0.20% permanent set based on the nominal ball diameter per ARTC recommendation.
- Basic axial yield allowable load is 20% of basic radial yield allowable load.
- Standard radial clearance between ball and outer race .003 max. Special clearance can be furnished upon request.
- Dim "B" and "D" are concentric within .005 total indicator reading.
- Add "A" after material code designation if groove in I. D. and oil holes are required in ball. Example: RB-10A
- All Dimensions and tolerances are met after plating. For RS series Cadmium plating on all surfaces exposed after installation. For Cad. plate on O. D. add "C" to the suffix. Example: RS-10AC.
- Load ratings are for parts as shown. Consult with Radial Engineering Dept. for ratings on lined parts.
- *Teflon Liner available. Add suffix "T". Example: RS-8T.

*A trade name of E. I. Dupont de Nemours & Co

