



KWB Series

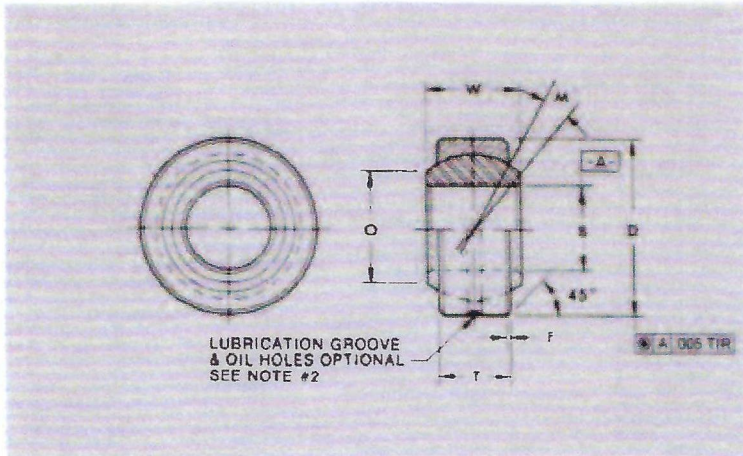
SPECIFICATIONS

Basic Spherical Bearing Number	Bore Dia. .0005	O Shoulder Dia. Ref.	D Outside Dia. +.0000	F Chamfer +.015	T Outer Race Width +.010	W Ball Width -.005	Ball Dia. Ref.	Recommend Housing Bore Dia. +.0000	Alum. Bronze Race	Static Radial Load Yield Allowable in Pounds	Stainless Steel Race	M Approx. Weight in Pounds	Mis-align-ment
KWB3-1	0.1900	0.301	0.6250	0.010	0.322	0.437	0.531	0.6250	7.000	13,200	0.031	17°	
KWB3	0.1900	0.249	0.5000	0.010	0.281	0.359	0.437	0.5000	5.000	7,400	0.015	14°	
KWB4	0.2500	0.301	0.6250	0.010	0.322	0.437	0.531	0.6250	7.000	13,200	0.029	17°	
KWB5	0.3125	0.401	0.6875	0.010	0.312	0.437	0.593	0.6875	8.000	21,000	0.033	15°	
KWB6	0.3750	0.471	0.8125	0.010	0.401	0.500	0.667	0.8125	12.000	30,000	0.053	11°	
KWB7	0.4375	0.542	0.9375	0.010	0.437	0.562	0.781	0.9375	15.000	40,000	0.073	12°	
KWB8	0.5000	0.612	1.0000	0.020	0.500	0.625	0.875	1.0000	19.000	53,000	0.097	10°	
KWB9	0.5625	0.726	1.1250	0.020	0.531	0.687	1.000	1.1250	21.000	65,000	0.125	11°	
KWB10	0.6250	0.752	1.1875	0.020	0.562	0.750	1.062	1.1875	24.000	73,500	0.155	12°	
KWB12	0.7500	0.892	1.3750	0.020	0.625	0.875	1.250	1.3750	30.000	81,000	0.232	14°	
KWB14	0.8750	1.061	1.6250	0.020	0.750	0.875	1.375	1.6250	41.000	108,000	0.346	6°	
KWB15	0.9375	1.099	1.3750	0.010	0.350	0.450	1.188	1.3750	16.000	41,000	0.092	5°	
KWB16-1	1.0000	1.275	2.1250	0.020	1.000	1.375	1.875	2.1250	75.000	202,000	0.970	15°	
KWB20	1.2500	1.464	2.3750	0.020	1.125	1.500	2.093	2.3750	95.000	252,000	1.244	13°	
KWB20-1	1.2500	1.408	2.0000	0.020	0.937	1.093	1.781	2.0000	67.000	179,000	0.564	6°	
KWB22	1.3750	1.539	2.5625	0.020	1.218	1.687	2.281	2.5625	111.000	295,000	1.592	15°	
KWB24-1	1.5000	1.697	2.6875	0.030	1.218	1.687	2.390	2.6875	118.000	310,000	1.693	14°	
KWB28	1.7500	1.966	2.9990	0.030	1.312	1.812	2.672	2.9992	126.000	380,000	2.517	13°	
KWB32	1.9992	2.211	3.2490	0.030	1.375	1.937	2.937	3.2492	147.000	440,000	2.990	13°	
KWB36	2.2492	2.444	3.6240	0.030	1.406	2.000	3.156	3.6242	162.000	480,000	3.286	13°	
KWB40	2.500	2.752	3.9362	0.030	1.437	2.062	3.437	3.9365	182.000	540,000	3.560	12°	
KWB44	2.749	2.971	4.1237	0.030	1.500	2.187	3.687	4.1240	206.000	610,000	3.930	12°	
KWB48	2.999	3.190	4.3737	0.030	1.562	2.312	3.937	4.3740	230.000	680,000	4.270	12°	

SEE MATERIAL CODE AND NOTES 1 THROUGH 5 ON NEXT PAGE

Dimensions apply after cadmium plating
(where specified).

DESIGNER'S NOTES



MATERIAL CODE

PART NO.	BALL	RACE
Basic Bearing Number as Shown	5 52100 Steel H.T. & Chrome Plated	3 Alum Bronze
Basic Bearing Number +SSB	Beryllium Copper Heat Treated	Stainless Steel Heat Treated
Basic Bearing Number +CR	440C Stainless Steel Heat Treated	Stainless Steel Heat Treated

NOTES

- 1 For Ordering Instructions, please refer to Section 5, page 5-3
- 2 Add suffix "G" after material code designation for lubrication groove in race O.D. & (3) oil holes thru race (e.g.) KWB8SSG, KWB8SSBG
- 3 If cadmium plating is required, specify with suffix "C" (e.g.) KWB8C
- 4 All dimensions & tolerances are met after cadmium plating
- 5 At Kahr's option 440C stainless steel may be used as substitute ball material.