



KWDB-7 Series

QPL APPROVED

Self-lubricated, low friction.
Has staking groove for retention in housing.

MILITARY STANDARD MS21230

SPECIFICATIONS

Basic Spherical Bearing Number	B	O	D	T	W	Groove Type (See Sect. 5, P. 5-6)	Approx. Bearing Weight Pounds	M° Misalignment ±	Static Limit Load in Pounds		Dynamic Load Pounds	No-Load Breakaway Torque In.-Lbs.
	Bore Dia.	Dia.	Outside Dia.	Outer Race Width	Ball Width				Radial	Axial		
Kahr	+ .0000 - .0005	Ref.	+ .0000 - .0005	+ .010 - .000	+ .000 - .002							
KWDB3-7	0.1900	0.301	0.6250	0.322	0.437	A	0.031	17°	9,000	1,770	3,770	.25-5.0
KWDB4-7	0.2500	0.301	0.6250	0.322	0.437	A	0.029	17°	9,000	1,770	3,770	.25-5.0
KWDB5-7	0.3125	0.401	0.6875	0.312	0.437	A	0.033	15°	9,400	1,640	4,650	1.0-15.0
KWDB6-7	0.3750	0.471	0.8125	0.401	0.500	B	0.053	11°	13,700	2,630	6,390	1.0-15.0
KWDB7-7	0.4375	0.542	0.9375	0.437	0.562	B	0.073	12°	20,700	3,650	9,390	1.0-15.0
KWDB7-1	0.4375	0.542	0.9062	0.437	0.562	B	0.070	12°	20,700	3,650	9,390	1.0-15.0
KWDB8-7	0.5000	0.612	1.0000	0.500	0.625	B	0.097	10°	27,500	4,970	12,150	1.0-15.0
KWDB9-7	0.5625	0.726	1.1250	0.531	0.687	B	0.125	11°	34,400	5,370	14,900	1.0-15.0
KWDB10-7	0.6250	0.752	1.1875	0.562	0.750	B	0.155	12°	39,000	6,130	16,700	1.0-15.0
KWDB12-7	0.7500	0.892	1.3750	0.625	0.875	C	0.232	14°	52,300	7,730	22,100	1.0-15.0
KWDB14-7	0.8750	1.061	1.6250	0.750	0.875	C	0.346	6°	67,300	10,800	28,200	1.0-24.0
KWDB16-7	1.0000	1.275	2.1250	1.000	1.375	C	0.970	15°	137,000	19,300	53,700	1.0-28.0

MATERIAL CODE

PART NO.	BALL	RACE
Number as Shown	440C Stainless Steel Heat Treated	Stainless Steel Heat Treated

NOTES

- For ordering instructions, please refer to Section 5, page 5-4
- Self-lubricating liner permanently bonded to race I.D.
- Loads are in accordance with MIL-B-8942.
- Bearings are qualified to MS21230 and MIL-B-8942.

