



# KBDE-242 Series

**QPL APPROVED**  
MIL-B-8948

MILITARY STANDARD MS21242

## SPECIFICATIONS

TABLE 1



Basic Rod End Bearing Number	B	W	T	D	O	A	C	N	M°
	Bore Dia. + .0000 - .0005	Ball Width + .000 - .002	Body Width ± .005	Head Dia. ± .010	Flat Dia. Min.	± .010	Thd. Length ± .031	Thd. Size UNJF-3A	Mis-alignment Min.
KBDE 3-242	0.1900	0.437	0.337	0.806	0.30	1.562	0.968	5/16-24	15°
KBDE 4-242	0.2500	0.437	0.337	0.806	0.30	1.562	0.968	5/16-24	15°
KBDE 5-242	0.3125	0.437	0.327	0.900	0.36	1.875	1.187	5/16-24	14°
KBDE 6-242	0.3750	0.500	0.416	1.025	0.47	1.938	1.187	3/8-24	8°
KBDE 7-242	0.4375	0.562	0.452	1.150	0.54	2.125	1.281	7/16-20	10°
KBDE 8-242	0.5000	0.625	0.515	1.337	0.61	2.438	1.468	1/2-20	9°
KBDE 10-242	0.6250	0.750	0.577	1.525	0.75	2.625	1.562	5/8-18	12°
KBDE 12-242	0.7500	0.875	0.640	1.775	0.85	2.875	1.687	3/4-16	13°
KBDE 14-242	0.8750	0.875	0.765	2.025	1.00	3.375	2.000	7/8-14	6°
KBDE 16-242	1.0000	1.375	1.015	2.775	1.27	4.125	2.343	1 1/4-12	12°

TABLE 2

Basic Rod End Bearing Number	Dynamic Load Pounds	Ultimate Static Load Pounds	Fatigue Load Pounds	Axial Proof Load Pounds	Weight Max. Pounds	No-Load Breakaway Torque In. Lbs.
KBDE 3-242	1,470	2,360	1,470	1,000	0.072	0.5 to 6
KBDE 4-242	3,420	4,860	2,380	1,000	0.072	
KBDE 5-242	3,590	7,180	2,770	1,100	0.087	
KBDE 6-242	5,120	8,550	3,570	1,660	0.136	1 to 10
KBDE 7-242	6,130	12,000	4,800	1,850	0.183	
KBDE 8-242	8,370	19,500	7,680	2,040	0.278	
KBDE 10-242	10,700	21,900	9,180	2,430	0.424	
KBDE 12-242	13,200	29,300	11,600	2,810	0.639	
KBDE 14-242	16,500	34,500	13,100	3,320	0.963	2 to 16
KBDE 16-242	26,600	80,300	30,400	4,340	2.546	

SEE MATERIAL CODE AND NOTES 1 THROUGH 7 ON NEXT PAGE