

TABLE 1 - DIMENSIONS

DASH NUMBER		φB	φD	φE	H		φK	L	φM	N	P	Q°	R	S	W
LUBE GROOVES AND HOLES IN RACE ONLY	LUBE GROOVES AND HOLES IN BALL AND RACE	BORE +.0000 -.0005	OUTSIDE DIA +.0000 -.0005		RACE WIDTH +.000 -.005		LUBE HOLE DIA THRU RACE AND BALL DIA MAX	GROOVE WIDTH ID & OD OF RACE & ID OF BALL		GROOVE DEPTH ID & OD OF RACE & ID OF BALL	+.000 -.015	REF	GROOVE RADIUS ID & OD OF RACE & ID OF BALL	+.000 -.010	BALL WIDTH +.000 -.005
4R	4	.2500	.6562	.596	.250	.501	.032/.062	.042/.078	.357	.010/.015	.030	12	.030/.062	.020	.343
5R	5	.3125	.7500	.652	.281	.563	.042/.062	.042/.078	.413	.010/.015	.040	11	.030/.062	.030	.375
6R	6	.3750	.8125	.714	.312	.657	.042/.062	.042/.078	.509	.010/.015	.040	9	.030/.062	.030	.406
7R	7	.4375	.9062	.808	.343	.719	.052/.062	.065/.094	.563	.010/.015	.040	8	.060/.094	.030	.437
8R	8	.5000	1.0000	.878	.390	.814	.052/.062	.065/.094	.634	.010/.015	.060	8	.060/.094	.030	.500
9R	9	.5625	1.0937	.972	.437	.876	.052/.062	.065/.094	.664	.010/.015	.060	8	.060/.094	.030	.562
10R	10	.6250	1.1875	1.065	.500	.969	.062/.078	.073/.109	.732	.010/.015	.060	8	.070/.125	.030	.625
12R	12	.7500	1.4375	1.315	.593	1.188	.062/.078	.073/.109	.913	.010/.015	.060	8	.070/.125	.030	.750
13R	13	.8125	1.5625	1.440	.650	1.282	.062/.078	.073/.109	.984	.010/.015	.060	8	.070/.125	.030	.812
14R	14	.8750	1.6562	1.534	.703	1.376	.062/.078	.073/.109	1.054	.010/.015	.060	8	.070/.125	.030	.875
16R	16	1.0000	1.8750	1.753	.797	1.563	.078/.093	.082/.109	1.193	.010/.015	.060	8	.090/.125	.030	1.000
18R	18	1.1250	2.1250	2.003	.900	1.751	.078/.093	.082/.109	1.334	.010/.015	.060	8	.090/.125	.030	1.125
20R	20	1.2500	2.3125	2.190	1.000	1.938	.078/.093	.082/.109	1.473	.010/.015	.060	8	.090/.125	.030	1.250
22R	22	1.3750	2.5625	2.440	1.100	2.157	.078/.093	.082/.109	1.654	.010/.015	.060	8	.090/.125	.030	1.375
24R	24	1.5000	2.8125	2.690	1.200	2.345	.078/.093	.082/.109	1.794	.010/.015	.060	8	.090/.125	.030	1.500

TABLE 2 - STRENGTHS

DASH NUMBER		RADIAL STATIC LIMIT LOAD LB	AXIAL STATIC LIMIT LOAD LB	PEAK RADIAL LOAD MODE I LB	PEAK RADIAL LOAD MODE II LB
4R	4	6,330	1,930	2,570	5,000
5R	5	8,460	2,450	3,520	6,300
6R	6	11,400	3,090	4,570	8,200
7R	7	14,800	3,740	5,750	9,900
8R	8	20,400	4,860	7,500	12,650
9R	9	26,700	6,100	9,500	15,300
10R	10	33,100	8,080	11,750	19,300
12R	12	50,000	11,440	16,900	28,200
13R	13	59,000	13,800	19,800	33,400
14R	14	70,300	16,160	23,000	38,700
16R	16	77,700	20,850	30,000	49,800
18R	18	121,500	26,740	38,000	63,000
20R	20	152,000	33,065	46,900	77,500
22R	22	186,000	40,120	56,900	95,000
24R	24	224,000	47,820	67,500	112,500