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PREPARED BY AIRFRAME CONTROL BEARINGS GROUP	THIRD ANGLE PROJECTION			
 <p>400 Commonwealth Drive, Warrendale, PA 15098-0001</p>	<p><b>AEROSPACE STANDARD</b></p> <p>BEARING, ROLLER, NEEDLE-DOUBLE ROW, HEAVY DUTY, SELF-ALIGNING, TYPE IV, ANTIFRICTION, INCH</p>	<p><b>AS24464</b></p> <p>SHEET 1 OF 3</p>		

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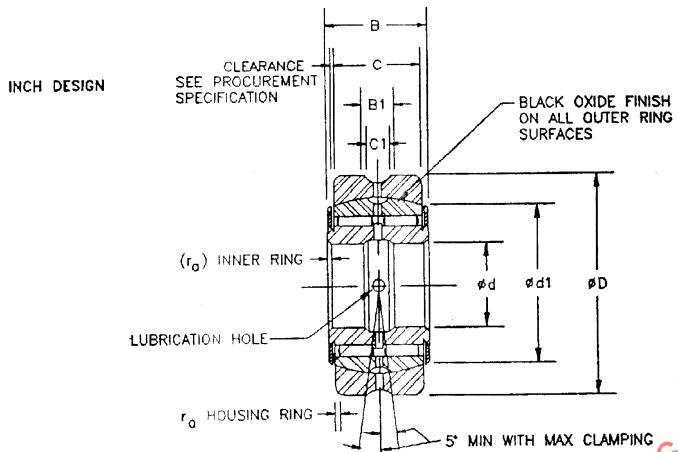


TABLE I

DIMENSIONS IN INCHES

Dash No	d Bare	d Housing Ring Outside Dia	Overall Width	D	C Outer Ring Width	d1 Washer Outside Dia	B1 Lubri-cation Groove Width	C1 Lubri-cation Groove Width	r0 1/ Fillet Max	Total Radial Clearance Max.	d2 Clamping Diameter		2/ Limit Load Rating lbf	Mass (Approx)	Housing Size Gage +0.0000 -0.0001	
											Max	Min			Low	High
-6	0.3750	1.1875	0.562	0.469	0.812	0.188	0.125	0.022	0.030	0.781	0.641	4530	0.130	1.1867	1.1872	
-7	0.4375	1.3125	0.625	0.531	0.875	0.188	0.125	0.032	0.031	0.844	0.703	5870	0.174	1.3116	1.3122	
-8	0.5000	1.5000	0.750	0.656	1.031	0.188	0.125	0.032	0.031	1.000	0.844	8570	0.293	1.4991	1.4997	
-9	0.5625	1.6875	0.875	0.781	1.093	0.188	0.156	0.032	0.031	1.062	0.891	11800	0.42	1.6866	1.6872	
-10	0.6250	1.7500	1.000	0.906	1.156	0.250	0.156	0.032	0.032	1.094	0.953	15500	0.52	1.7491	1.7497	
-12	0.7500	1.8750	1.125	1.000	1.281	0.250	0.156	0.032	0.034	1.156	1.070	20000	0.63	1.8741	1.8747	
-14	0.8750	2.1250	1.250	1.125	1.500	0.375	0.156	0.032	0.037	1.375	1.250	25800	0.87	2.1238	2.1246	
-16	1.0000	2.2500	1.250	1.125	1.625	0.375	0.156	0.032	0.041	1.500	1.375	28700	0.98	2.2488	2.2496	
-20	1.2500	2.5000	1.250	1.049	1.906	0.375	0.156	0.032	0.041	1.781	1.625	31400	1.07	2.4988	2.4995	
-24	1.5000	2.7500	1.250	1.049	2.156	0.375	0.156	0.032	0.041	2.062	1.875	36600	1.23	2.7488	2.7496	
-32	2.0000	3.2500	1.250	1.049	2.656	0.375	0.156	0.032	0.045	2.593	2.375	47100	1.49	3.2496	3.2496	
-40	2.5000	3.7500	1.250	1.049	3.154	0.375	0.156	0.032	0.046	3.062	2.875	57500	1.78	3.7485	3.7495	
-48	3.0000	4.2500	1.250	1.049	3.656	0.375	0.156	0.032	0.056	3.562	3.375	67900	2.06	4.2485	4.2495	
-56	3.5000	4.8750	1.250	1.049	4.219	0.375	0.156	0.044	0.057	4.141	3.969	80100	2.65	4.8735	4.8745	

TABLE II

DIMENSIONS IN MILLIMETERS

Dash No.	d Bare	d Housing Ring Outside Dia	Overall Width	D	C Outer Ring Width	d1 Washer Outside Dia	B1 Lubri-cation Groove Width	C1 Lubri-cation Groove Width	r0 1/ Fillet Max	Total Radial Clearance Max.	d2 Clamping Diameter		2/ Limit Load Rating N	Mass (Approx)	Housing Size Gage +0.0000 -0.0003	
											Max	Min			Low	High
-6	9.525	30.162	14.27	11.91	20.62	4.78	3.18	0.6	0.076	19.84	16.28	20100	0.059	30.142	30.155	
-7	11.112	33.338	15.88	13.49	22.22	4.78	3.18	0.8	0.079	21.44	17.86	26100	0.079	33.315	33.330	
-8	12.700	36.100	19.05	16.66	26.19	4.78	3.18	0.8	0.079	25.40	21.44	38500	0.135	38.079	38.092	
-9	14.288	42.862	22.22	19.04	27.76	4.78	3.96	0.8	0.079	26.97	22.63	52300	0.19	42.840	42.855	
-10	15.875	44.450	25.40	23.01	29.36	6.35	3.96	0.8	0.081	27.79	24.21	68700	0.24	44.427	44.442	
-12	19.050	47.625	28.58	25.40	32.54	6.35	3.96	0.8	0.086	29.36	27.38	88700	0.29	47.602	47.617	
-14	22.225	53.975	31.75	28.58	38.10	9.52	3.96	0.8	0.094	34.92	31.75	115000	0.39	53.945	53.965	
-16	25.400	57.150	31.75	28.58	41.28	9.52	3.96	0.8	0.104	38.10	34.92	127000	0.44	57.120	57.140	
-20	31.750	63.500	31.75	26.64	48.41	9.52	3.96	0.8	0.104	45.24	41.28	140000	0.49	63.470	63.490	
-24	38.100	69.850	31.75	26.64	54.76	9.52	3.96	0.8	0.104	52.37	47.62	163000	0.56	69.820	69.840	
-32	50.800	82.550	31.75	26.64	67.46	9.52	3.96	0.8	0.114	65.86	60.32	209000	0.68	82.512	82.540	
-40	63.500	95.250	31.75	26.64	80.16	9.52	3.96	0.8	0.117	77.77	73.02	255000	0.81	95.212	95.237	
-48	76.200	107.950	31.75	26.64	92.86	9.52	3.96	0.8	0.142	90.47	85.72	302000	0.94	107.912	107.937	
-56	88.900	123.825	31.75	26.64	107.16	9.52	3.96	1.1	0.145	105.18	100.81	357000	1.20	123.787	123.812	

1/ The chamfer on bearings must clear the maximum fillet radius given in the table. This specification does not control bearing chamfer contours.

2/ The limit load rating can be defined as the maximum radial load which can be applied to a bearing without impairing the subsequent functioning of the bearing in airframe applications.

The ultimate or static fracture load rating is not less than 1.5 times the limit load rating.