

**REV.  
A****AS27645**

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ISSUED 1998-04 REVISED 1998-12

PREPARED BY AIRFRAME CONTROL BEARINGS GROUP (ACBG)

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LIGHT AND HEAVY DUTY

**AS27645**  
SHEET 1 OF 3

**REV.  
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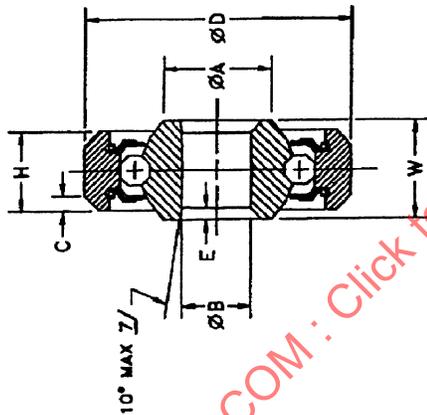


TABLE 1. DIMENSIONS AND LOADS

MS DASH NO.	OUTSIDE BORE	OUTSIDE DIAMETER	WIDTH	INNER RING	WIDTH	INNER RING CHAMFER	OUTER RING CHAMFER	INNER RING CHAMFER	OUTER RING CHAMFER	C	RADIAL LIFT LOAD RATING LBS	TANGENTIAL LOAD RATING LBS	RADIAL LOAD RATING (LBS) FOR AVERAGE LIFE OF 10,000 COMPLETE 90 DEGREE		ACTUAL INTERNAL CLEARANCE (MILS)	WEIGHT POUNDS (APPROX)	MAXIMUM STARTING TORQUE (INCH-OZ)	MAXIMUM TORQUE TO DIELOUGE SEAL (IF-LB)
													CASE I	CASE II				
-1A	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				850	300	550	480	.033	.01	1	4
-1B	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				850	300	550	480	.033	.01	1	4
-1C	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				850	300	550	480	.033	.01	1	4
-1D	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				850	300	550	480	.033	.01	1	4
-2	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				1100	390	710	610	.038	.02	2	10
-3	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				1300	450	830	710	.043	.03	3	14
-4	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				1500	510	950	810	.048	.04	4	18
-5	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				1700	570	1070	910	.053	.05	5	22
-6	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				1900	630	1190	1010	.058	.06	6	26
-7	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				2100	690	1310	1110	.063	.07	7	30
-8	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				2300	750	1430	1210	.068	.08	8	34
-9	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				2500	810	1550	1310	.073	.09	9	38
-10	+0.000	-0.0015	+0.000	-0.005	+0.000	+0.015	-0.020				2700	870	1670	1410	.078	.10	10	42

- 1/ Dimensions to be met after plating.
- 2/ Out-of-round tolerances: Bore: +.0002, -.0007; outer dia: +.0005, -.0010.
- 3/ 45 chamfer or a radius giving approximately the same grip for staking the bearing in the housing will be acceptable.
- 4/ 45 chamfer or a radius giving approximately the same fillet clearance will be acceptable.
- 5/ Case I = load fixed with respect to outer ring.  
Case II = load fixed with respect to inner ring.
- 6/ These ratings are for operation up to 250°F. For operation up to 350°F, the ratings shall be reduced by 20%.
- 7/ These bearings are internal self-aligning for 10 in either direction except MS-4A, -5A, and -6A which are self-aligning for 8 in either direction.