

**REV.
B**

AS27643

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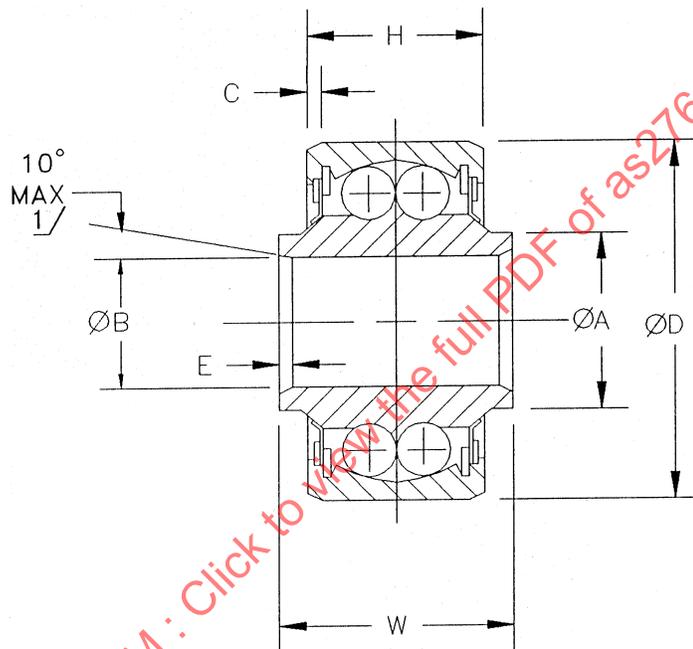


FIGURE 1

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ISSUED 1998-04 REVISED 2002-06

PREPARED BY AIRFRAME CONTROL BEARINGS GROUP (ACBG)



AEROSPACE STANDARD

(R) BEARING, BALL, AIRFRAME,
ANTI-FRICTION, SELF-ALIGNING,
DOUBLE ROW, HEAVY DUTY

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SHEET 1 OF 3

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TABLE 1 - DIMENSIONS AND LOADS

MS DASH NO.	BEARING PART NO. REF. ONLY	øB BORE DIAMETER	W WIDTH	H WIDTH	øA SHOULDER DIAMETER	C OUTER RING CORNER CHAMFER	E INNER RING CORNER CHAMFER	LIMIT LOAD RATING		AXIAL INTERNAL CLEARANCE (MAX)	RADIAL LOAD RATING (LB) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)
								RADIAL (LB)	THRUST (LB)		6/	7/	
-3	DSP3	.1900	.7774	.500	.392	.304	.022	.005	1420	200	1420	1220	.04
-4	DSP4	.2500	.9014	.687	.464	.430			1780	300	1780	1600	.06
-5	DSP5	.3125	1.2500	.812	.656	.515	.032		3740	600	3740	3300	.16
-6	DSP6	.3750	1.4375	.937	.750	.564		.015	5100	800	4980	4370	.24
-8	DSP8	.5000	1.6875	1.000	.812	.775	.044		7120	1000	6340	5570	.36
-10	DSP10	.6250	1.9375	1.125	.937	.869			9000	1300	7780	6860	.53

TABLE 1 - (CONTINUED)

MS DASH NO.	8/ MAXIMUM STARTING TORQUE (IN-OZ)	9/ MINIMUM TORQUE TO DISLODGE SEAL (IN/LB)
-3	1	8
-4	1	12
-5	3	28
-6	4	45
-8	5	60
-10	6	78

1/ THESE BEARINGS ARE INTERNAL SELF-ALIGNING FOR 10° IN EITHER DIRECTION.

2/ DIMENSIONS TO BE MET AFTER PLATING.

3/ OUT-OF-ROUND TOLERANCES: BORE: +.0002, -.0007; OUTER DIA: +.0005, -.0010.

4/ 45° CHAMFER OR A RADIUS GIVING APPROXIMATELY THE SAME FILLET CLEARANCE WILL BE ACCEPTABLE.

5/ 45° CHAMFER OR A RADIUS GIVING APPROXIMATELY THE SAME GRIP FOR STAKING THE BEARING IN THE HOUSING WILL BE ACCEPTABLE.

6/ CASE I - LOAD FIXED WITH RESPECT TO OUTER RING.

CASE II - LOAD FIXED WITH RESPECT TO INNER RING.

7/ THESE RATINGS ARE FOR BEARINGS LUBRICATED WITH MIL-PRF-81322 GREASE. FOR BEARINGS LUBRICATED WITH MIL-PRF-23827 GREASE, THE TORQUE

8/ SPECIFIED LIMITS ARE FOR BEARINGS LUBRICATED WITH MIL-PRF-81322 GREASE. FOR BEARINGS LUBRICATED WITH MIL-PRF-23827 GREASE, THE TORQUE LIMIT SHALL BE THE SPECIFIED VALUE IN THE TABLE MULTIPLIED BY 1.2.