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REV.
B

AS27644

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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: SAE AS7949.

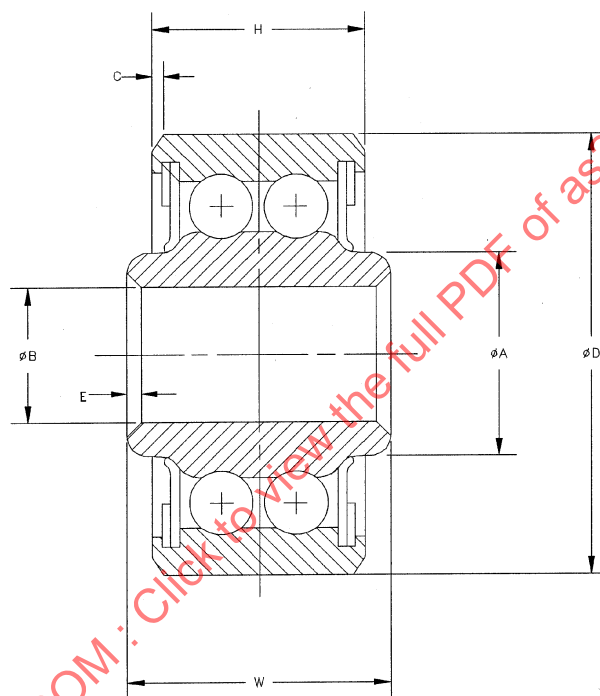


FIGURE 1

PREPARED BY AIRFRAME CONTROL BEARINGS GROUP (ACBG)

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AEROSPACE STANDARD

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

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TABLE 1 - DIMENSIONS AND LOADS

MS DASH NO.	BEARING PART NO. REF. ONLY	øB	øD	W	H	øA	E	C		AXIAL INTER- NAL CLEAR- ANCE MAX	RADIAL LIMIT LOAD RATING LB	THRUST LIMIT LOAD RATING LB	5/ RADIAL LOAD RATING (LB) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)	9/ MAXIMUM STARTING TORQUE (IN-OZ)	
								3/ OUTER RING CORNER CHAMFER	4/ INNER RING CORNER CHAMFER				CASE I	CASE II			
-3	DPP3	.1900	.7774	.495	.473	.302	.005	.018		.005	8/ 2950	1700	2950	2830	.04	1	
-4	DPP4	.2500	.9014	.620	.491	.410					8/ 5370	1800	3550	3020	.06	1	
-5	DPP5	.3125	1.2500	.745	.687	.469		.032	.006		7/ 11000	4000	7360	6250	.17	1.5	
-6	DPP6	.3750	1.4375	.870	.794	.551	.015				7/ 15760	5300	9690	8120	.26	2	
-8	DPP8	.5000	1.6875	.932	.856	.735			.044	.007		23600	7800	14100	11600	.38	3
-10	DPP10	.6250	1.9375	.995	.920	.890						28400	9400	15300	13100	.53	4.5

- 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/ BOLTS OF 180,000 PSI TENSILE STRENGTH ARE REQUIRED TO DEVELOP THE RADIAL LIMIT LOAD SHOWN.
- 8/ BOLTS OF 160,000 PSI TENSILE STRENGTH ARE REQUIRED TO DEVELOP THE RADIAL LIMIT LOAD SHOWN.
- 9/ 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.