

SAE-AS27640

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ISSUED 1998-04

PREPARED BY AIRFRAME CONTROL BEARINGS GROUP (ACBG)



AEROSPACE STANDARD

BEARING, BALL, AIRFRAME,
ANTI-FRICTION, HEAVY DUTY

AS27640
SHEET 1 OF 3

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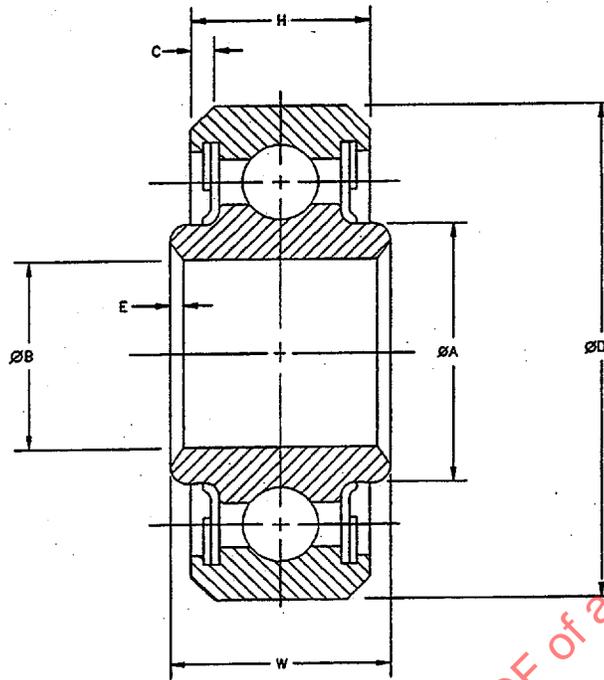


TABLE I. DIMENSIONS AND LOADS

MS DASH NO.	ØB	ØD	W		H		ØA	E	C	RADIAL LOAD LIMIT RATING	THRUST LOAD RATING	5/ 6/ RADIAL LOAD RATING (LBS.) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)	MAXIMUM STARTING TORQUE (INCH-OZ)			
	2/ BORE DIAMETER	1/ 2/ RING DIAMETER	INNER RING	OUTER RING	SHOULDER DIAMETER	4/ INNER RING CORNER CHAMFER	3/ OUTER RING CORNER CHAMFER	CASE I	CASE II									
	+ .0000 - .0005	+ .0000 - .0005	+ .000 - .005	+ .000 - .005	(APPROX) RING	+ .015 - .000	+ .015 - .000					LBS	LBS					
-3A	.1900	.6250	.245	.203	.280	.005	.010	1560	700	1520	1260	.01	1					
-3	.1900	.7774	.297	.270	.331					.022	1880			900	1700	1450	.03	1
-4	.2500	.9014	.484	.335	.390					.032	2680			1200	2410	2030		
-6	.3125	1.2500	.558	.375	.469	5620	2500	4900	3970		.09	1						
-6	.3750	1.4375	.620	.469	.591	7910	3500	6540	5410									
-8	.5000	1.6875	.620	.500	.768	.044	11800	5200	9320		7700	.21	3					
-10	.6250	1.9375	.620	.500	.850		14100	6200	11000		9060			.28	3			

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%.

(F) DENOTES CHANGES