

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 DODSS SPECIFIED IN THE SOLICITATION: MIL-9-7949

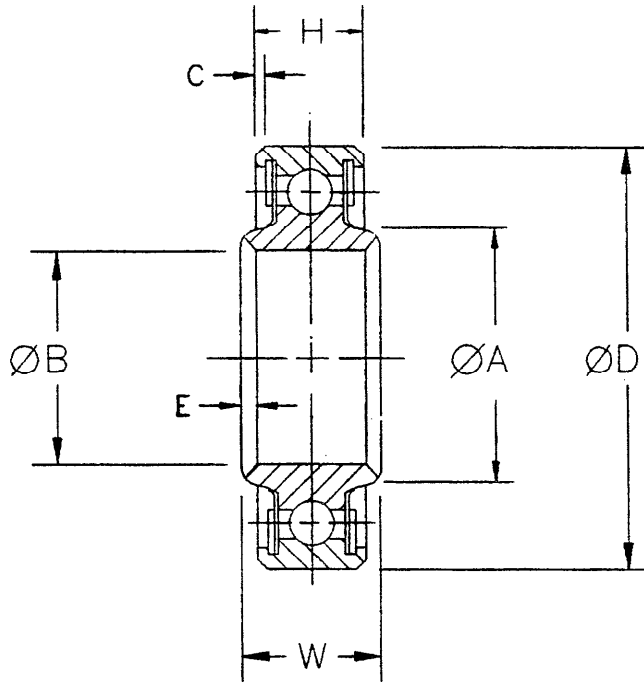


TABLE I. DIMENSIONS AND LOADS

MS DASH NO.	ØB	ØD	W	H	ØA	E	C	RADIAL LIMIT LOAD RATING LBS	THRUST LIMIT LOAD RATING LBS	5/ RADIAL LOAD RATING (LBS.) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)	MAXIMUM STARTING TORQUE (INCH-OZ)
	BORE 2/	OUTSIDE DIAMETER 1/ 2/	WIDTH INNER RING 1/	WIDTH OUTER RING 1/	SHOULDER DIAMETER INNER RING (APPROX)	4/ INNER RING CORNER CHAMFER +.015 -.000	3/ OUTER RING CORNER CHAMFER +.015 -.000			CASE I	CASE II		
-3	.1900	.6250	.297	.234	.297	.005		1560	700	1500	1250	.01	1.0
-4	.2500	.7500	.281	.219	.380			1880	900	1690	1450	.02	1.5
-5	.3125	.8125	.297	.234	.415	.015	.016	2190	1000	1820	1600	.02	1.5
-6	.3750	.8750	.313	.250	.495			2500	1100	1920	1710	.03	2.0
-8	.5000	1.1250	.375	.313	.616			3910	1700	2870	2550	.05	2.5
-10	.6250	1.3750	.406	.344	.768			6700	3000	4980	4360	.08	3.0
-12	.7500	1.6250	.437	.375	.919	.032	.032	8790	3900	5980	5320	.13	3.0
-16	1.0000	2.0000	.500	.438	1.241			11900	5200	7070	6400	.22	4.0
-20	1.2500	2.2500	.500	.438	1.478			13800	6100	7400	6810	.26	5.0

- 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%.

Ⓡ DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS  
CUSTODIANS: ARMY- AV NAVY-AS  
AIR FORCE-99 DLA-  
REVIEW: ARMY-AR,AT,MI AIR FORCE-84, DLA-IS  
ARMY-ME  
PROJECT NUMBER: 3110-0927

MILITARY SPECIFICATION SHEET  
TITLE  
BEARING, BALL, AIRFRAME,  
ANTI-FRICTION, INTERMEDIATE DUTY

SPECIFICATION SHEET NUMBER  
**MS27641** 21 JUNE 95  
REV F  
SUPERSEDING  
MS27641 E 05 DEC 94  
AMSC- N/A FSC 3110

DISTRIBUTION STATEMENT

A. Approved for public release, distribution is unlimited.

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