

REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THE SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION: MIL-B-7949

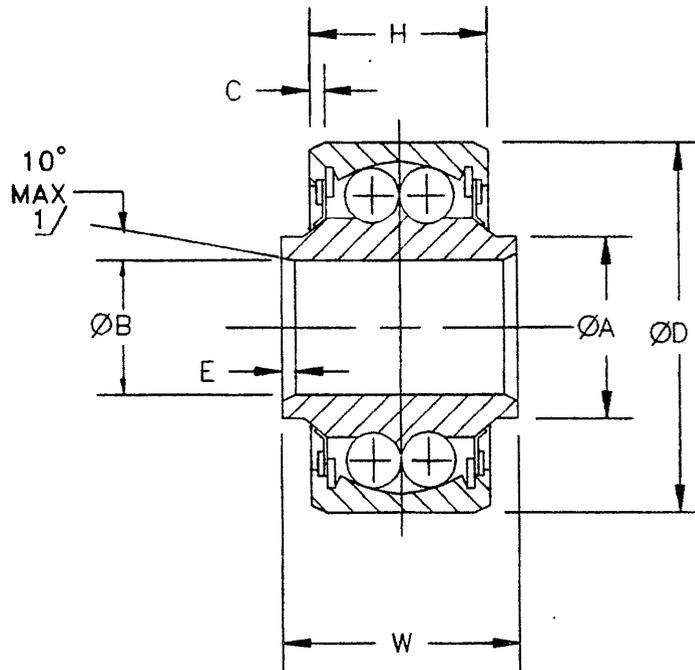


TABLE I. DIMENSIONS AND LOADS

MS DASH NO.	ØB	ØD	W		H	ØA	C		E		LIMIT LOAD RATING	AXIAL INTERNAL CLEARANCE (MAX)	7/ RADIAL LOAD RATING (LBS.) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)
	BORE	OUTSIDE DIAMETER	WIDTH INNER RING	WIDTH OUTER RING	SHOULDER DIAMETER INNER RING (APPROX)	5/ OUTER RING CORNER CHAMFER	4/ INNER RING CORNER CHAMFER	RADIAL (LB)	THRUST (LB)	6/ CASE I			8/ CASE II		
	+ .0000 - .0005	+ .0000 - .0005	+ .000 - .005	+ .000 - .005		+ .015 - .000	+ .015 - .000								
-3	.1900	.7774	.500	.392	.304	.022			1420	200	.0055	1420	1220	.04	
-4	.2500	.9014	.687	.464	.430		.005	1780	300	1780		1600	.06		
-5	.3125	1.2500	.812	.656	.515	.032		3740	600	.006	3740	3300	.16		
-6	.3750	1.4375	.937	.750	.564		.015	5100	800		4980	4370	.24		
-8	.5000	1.6875	1.000	.812	.775	.044		7120	1000	.007	6340	5570	.36		
-10	.6250	1.9375	1.125	.937	.869			9000	1300		7780	6860	.53		

(TABLE I, CONTINUED)

MS DASH NO.	MAXIMUM STARTING TORQUE (INCH-OZ)	MINIMUM TORQUE TO DISLODGE SEAL (IN/LB)
-3	1	8
-4	1	12
-5	2	28
-6	2	45
-8	3	60
-10	3	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.
- 8/ CASE II - LOAD FIXED WITH RESPECT TO INNER RING.
- 7/ THESE RATINGS ARE FOR OPERATION UP TO 250°F. FOR OPERATION UP TO 350°F, THE RATINGS SHALL BE REDUCED BY 20%.

(F) DENOTES CHANGE

INCH-POUND

PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
CUSTODIANS: ARMY-AV NAVY-AS	TITLE	MS27643 21 JUNE 95 REV F
AIR FORCE-99 DLA-	BEARING, BALL, AIRFRAME, ANTI-FRICTION, SELF-ALIGNING, DOUBLE ROW, HEAVY DUTY	SUPERSEDING MS27643 E 05 DEC 94
REVIEW: ARMY-AR, AT, ME, MI AF-84, DLA-IS		AMSC- N/A FSC 3110
USER:		
PROJECT NUMBER: 3110-0929		

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