

**REV.
A****AS27648**

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EXTRA LIGHT DUTY

AS27648
SHEET 1 OF 3

**REV.
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AS27648

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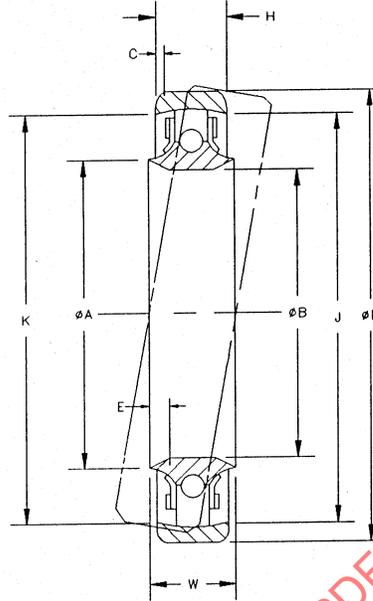


TABLE I. DIMENSIONS AND LOADS

MS DASH NO.	ØB		ØD		W	H	ØA	E AND C		K	L' MAX	RADIAL LIMIT LOAD RATING LBS	THRUST LIMIT LOAD RATING LBS	6/ RADIAL LOAD RATING (LBS.) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)	MAXIMUM STARTING TORQUE (INCH-OZ)	
	1/	2/	1/	2/				3/	4/					TO SHARP CORNER (REF)	BRG SPHERE O.D.			PERMISSIBLE MISALIGNMENT EITHER DIRECTION
	BORE	DIAMETER	INNER RING	OUTER RING	INNER & OUTER RING CORNER CHAMFER APPROX.	INNER & OUTER RING CORNER CHAMFER APPROX.												
-16	+0.000	+0.000	+0.000	+0.000	.437	.375	1.141	.024	±0.015 -.000	1.709	1.740	7° 25'	8085	1600	4260	3960	.18	5
-21	+0.000	+0.000	+0.000	+0.000			1.477			2.028	2.052	6° 30'	9840	2000	4590	4290	.20	7
-23	+0.000	+0.000	+0.000	+0.000			1.675			2.155	2.178	6°	10500	2200	4650	4360	.22	8
-25	+0.000	+0.000	+0.000	+0.000			1.693			2.282	2.302	5° 45'	11300	2300	4680	4420	.25	9
-29	+0.000	+0.000	+0.000	+0.000			1.931			2.535	2.552	5°	12700	2600	4760	4530	.27	12
-33	+0.000	+0.000	+0.000	+0.000			2.247			2.787	2.802	5°	14400	2900	4820	4630	.30	14
-37	+0.000	+0.000	+0.000	+0.000	2.468	3.039	3.052	4° 30'	15600	3200	4880	4690	.33	17				
-47	+0.000	+0.000	+0.000	+0.000	3.093	.039	3.846	3.865	4° 30'	24700	5000	6660	6390	.64	24			
-48	+0.000	+0.000	+0.000	+0.000	3.222		3.972	3.990	4°	27500	5500	8150	7840	.69	25			
-49	+0.000	+0.000	+0.000	+0.000	3.222		3.972	3.990	4°	27500	5500	8150	7840	.69	26			

- 1/ ALL DIMENSIONS TO BE MET AFTER PLATING.
- 2/ OUT-OF-ROUNDNESS: BORE: +.0003, -.0013 OUTER DIAMETER: +.0010, -.0020.
- 3/ A RADIUS GIVING APPROXIMATELY THE SAME GRIP FOR STAKING THE BEARING IN THE HOUSING IS ACCEPTABLE IN LIEU OF THE 45° FLAT SURFACE CHAMFER FOR DIMENSION C.
- 4/ A RADIUS GIVING APPROXIMATELY THE SAME FILLET CLEARANCE IS ACCEPTABLE IN LIEU OF THE 45° FLAT SURFACE CHAMFER FOR DIMENSION E.
- 5/ CASE I = LOAD IS FIXED WITH RESPECT TO THE OUTER RING.
CASE II = LOAD IS FIXED WITH RESPECT TO THE INNER RING.
- 6/ THESE RATINGS ARE FOR OPERATION UP TO 250°F. WHEN SUBJECT TO OPERATION UP TO 350°F, THE RATINGS SHALL BE REDUCED BY 20%.
- 7/ BORE TOLERANCE FOR -16 IS +.0000 -.0005.

(E) DENOTES CHANGES