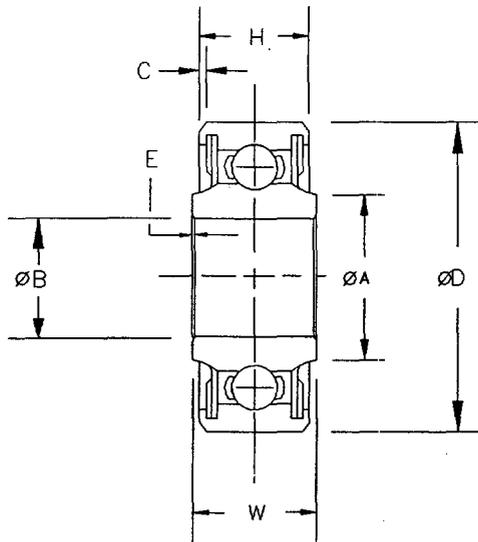


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-B-7949

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.



MS DASH NO.	ØB BORE +.0000 -.0005	ØD OUTSIDE DIAMETER +.0000 -.0005	W WIDTH INNER RING +.000 -.005	H WIDTH OUTER RING +.000 -.005	ØA SHOULDER DIAMETER INNER RING (APPROX)	CORNER CHAMFER x 45		RADIAL LIMIT LOAD RATING LBS.	THRUST LIMIT LOAD RATING LBS.	RADIAL LOAD RATING (lbs) FOR AVERAGE LIFE OF 10,000 COMPLETE 90° CYCLES		WEIGHT POUNDS (APPROX)		
						E 4/				C 3/			5/	6/
						INNER RING BORE +.015 -.000	OUTER RING O.D. +.015 -.000			CASE I	CASE II			
-3A	.1900	.6250	.297	.234	.297	.005	.016	705	385	705	705	.01		
-3B	.1900	.7774	.297	.270	.332	.005	.024	1090	600	1090	1090	.02		
-4A	.2500	.7500	.438	.312	.372	.005	.016	1090	600	1090	1090	.03		
-4B	.2500	.8750	.438	.375	.423	.005	.022	1710	800	1710	1710	.04		
-4C	.2500	.9014	.484	.335	.390	.005	.034	1710	800	1710	1710	.04		
-5A	.3125	.8750	.625	.375	.455	.005	.022	1710	800	1710	1710	.04		
-5B	.3125	.9375	.625	.563	.455	.005	.022	3420	1030	3250	2800	.07		
-8	.5000	1.6875	.750	.563	.768	.005	.032	11800	5200	9320	7730	.24		
-10	.6250	1.1875	.438	.375	.769	.005	.022	2440	1100	2420	2180	.06		

- ALL DIMENSIONS TO BE MET AFTER PLATING.
- OUT-OF-ROUND TOLERANCES: BORE: +.0002, -.0007; OUTER DIA.: +.0005, -.0010.
- A RADIUS GIVING APPROXIMATELY THE SAME GRIP FOR STAKING THE BEARING IN THE HOUSING WILL BE ACCEPTABLE.
- A RADIUS GIVING APPROXIMATELY THE SAME FILLET CLEARANCE WILL BE ACCEPTABLE.
- CASE I = LOAD FIXED WITH RESPECT TO OUTER RING.  
CASE II = LOAD FIXED WITH RESPECT TO INNER RING.
- THESE RATINGS ARE FOR OPERATION UP TO 250° F. FOR OPERATION UP TO 350° F, THE RATINGS SHALL BE REDUCED BY 20%.
- 5B ONLY - DOUBLE ROW.
- 8 ONLY - FULL TYPE - NO RETAINER.

ⓑ DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS  
CUSTODIANS: ARMY-Av NAVY-AS  
AIR FORCE-99 DLA-  
REVIEW: ARMY-AR, NAVY-SH, AF-84, DLA-IS  
PROJECT NUMBER: 3110-0924

MILITARY SPECIFICATION SHEET  
TITLE  
BEARING, BALL, AIRFRAME,  
ANTI-FRICTION, PULLEY

SPECIFICATION SHEET NUMBER  
**MS21443** 21 JUNE 95  
REV B  
SUPERSEDING  
MS21443A 05 DEC 94  
AMSC- N/A FSC 3110

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