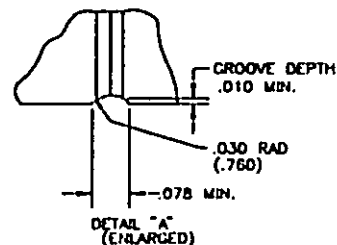
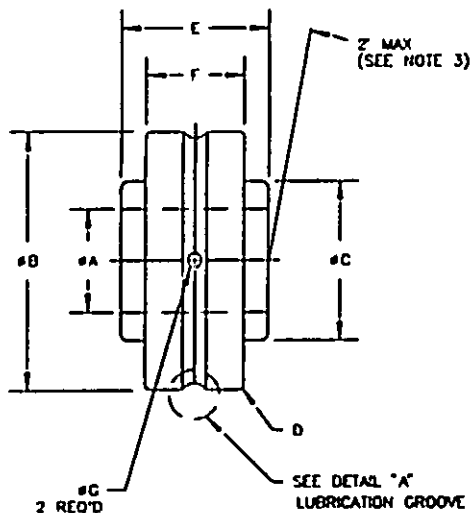


Form Approved  
OMB No. 0704-0185

DASH NO.	#A +.0000 -.0005 BORE	#B +.0000 -.0005 O.D.	#C MIN.	D +.015 -.000 RADIUS	E +.000 -.005 WIDTH INNER RING	F +.000 -.005 WIDTH INNER RING	#C LUBRICATION HOLE	WEIGHT MAX. POUNDS	STATIC LIMIT LOAD POUNDS		DYNAMIC LOAD RATING POUNDS
									RADIAL	AXIAL	RADIAL
-25	1.5360	2.5000	1.800	.030	.670	.580	.060	.41	12,400	1,000	8,600
-28	1.7500	2.6880	1.980					.49	13,700	1,100	7,000
-33	2.0630	3.0000	2.300					.54	15,800	1,300	7,600
-37	2.3130	3.2500	2.560					.58	17,000	1,400	8,000
-47	2.9380	3.8750	3.200					.75	21,000	1,700	9,000
-49	3.0630	4.0000	3.330					.78	21,900	1,800	9,100

## REQUIREMENTS:

1. MATERIAL: RETAINER: CARBON STEEL, ONE PIECE.  
RINGS AND ROLLERS, STEEL, MCL-S-7420, PER FED. STD. NO. 60, STEEL AMS 6440.  
SEALS: GLASS FIBER REINFORCED PTFE.
2. FINISH: ALL EXTERNAL SURFACES, AS MOUNTED, ZINC-NICKEL PLATE PER AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE 1, CLASS 2, THICKNESS .0003 TO .0006 INCHES.
3. SURFACE ROUGHNESS: RACEWAYS 8 MICRONS  $R_a$ , ROLLER 6 MICRONS  $R_a$ , OTHER GROUND SURFACES 32 MICRONS  $R_a$  IN ACCORDANCE WITH AMS/ASME D46.1, REMOVE BURRS AND SHARP EDGES.
4. DIMENSIONS: ALL DIMENSIONS ARE AFTER PLATING AND ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.
5. TOLERANCES-DECIMALS: +.010(.250) TO -.000(0), UNLESS OTHERWISE SPECIFIED.
6. RADIAL INTERNAL CLEARANCE: .0006 TO .0017.
7. LUBRICANT: MCL-G-23827 OR MCL-G-81322. ALL BEARINGS SHALL BE PACKED WITH GREASE CONFORMING TO MIL-G-81322 UNLESS OTHERWISE SPECIFIED. ALL BEARINGS SHALL BE FILLED 80% MINIMUM WITH GREASE. MCL-G-23827 SHALL NOT BE USED WHERE TEMPERATURES EXCEED 250°. IF MCL-G-23827 IS REQUIRED, ADD LETTER "G" AFTER MS21446 DASH NUMBER.
8. MARKING: THE MARKING SHALL CONSIST OF THE US PART NO. AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.
9. PART NO: EXAMPLE, MS21446-47 = BEARING, ROLLER, SELF-ALIGNING, 2.0380 BORE WITH MCL-G-81322 LUBRICANT.
10. PACKAGING: BEARINGS SHALL BE INDIVIDUALLY PACKAGED TO THE REQUIREMENTS OF MCL-P-197, PACKAGE MARKED WITH MANUFACTURER'S NAME OR TRADEMARK AND DATE OF LUBRICATION BY MONTH AND YEAR.

## NOTES:

1. DESIGN FEATURES: FOR DESIGN FEATURE PURPOSES, THIS SPECIFICATION TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
2. REFERENCED DOCUMENTS: REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INITIATION FOR BID.
3. SELF-ALIGNING TO Z MAX IN EITHER DIRECTION.

(A) DENOTES CHANGE

INCH-POUND

PREPARING ACTIVITY: NAVY-AS  
CUSTODIANS: ARMY-A7 NAVY-AS  
AIR FORCE-09 DLA-  
REVIEW AS, AV, IS, 09  
USER:  
PROJECT NUMBER: 3110-0893  
DISTRIBUTION STATEMENT

## MILITARY SPECIFICATION SHEET

TITLE  
BEARING, ROLLER, SELF-ALIGNING SINGLE ROW,  
BARREL ROLLER, TORQUE TUBE, AIRFRAME,  
ANTIFRICTION, SEALED TYPE V.

## SPECIFICATION SHEET NUMBER

MS21446

05 DEC 94  
REV A

## SUPERSEDING

MS21446

12 SEPT 84

## AMSC-

N/A

FSC 3110

A. Approved for public release; distribution is unlimited.

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DD Form 672, MAY 88

PREVIOUS EDITIONS ARE OBSOLETE

PROPOSED

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 CODES SPECIFIED IN THE SOLUTION: MCL-B-8-8914

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