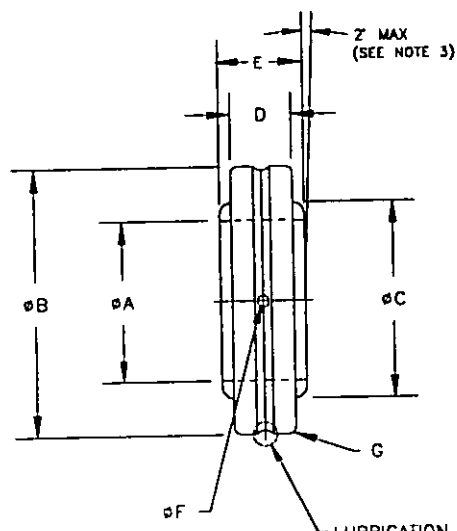


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DOORS SPECIFIED IN THE SOLICITATION: MIL-B-8914

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

Form Approved  
OMB No. 0704-0188



DETAIL "A"

MS DASH NO.	WT MAX LBS	STATIC LIMIT LOAD - LBS		DYNAMIC LOAD RATING - LBS	
		RADIAL	AXIAL	RADIAL	AXIAL
-16C	.16	3500	440	1700	215
-20C	.19	4800	490	2230	254
-25C	.41	6000	540	2750	248
-28C	.49	9000	890	4320	427
-33C	.54	10200	950	5250	489
-37C	.58	10900	980	5850	526
-47C	.75	12800	1070	8210	686
-49C	.78	13700	1150	8980	754

MS DASH NO.	ØA + .0000 (.000) - .0011 (.028) BORE	ØB + .0000 (.000) - .0011 (.028) O.D.	ØC + .005 (.127) - .005 (.127) DIA	D + .000 (.000) - .005 (.127) WIDTH OUTER RING	E + .000 (.000) - .005 (.127) WIDTH INNER RING	ØF LUBRICATION HOLE	G + .020 (.508) - .000 (.000)	NUMBER OF LUBRICATION HOLES
	1/ IN. (mm)	2/ IN. (mm)	3/ IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	
-16C	1.0000 (25.400)	1.6250 (41.275)	1.120 (28.450)	.450 (11.430)	.500 (12.700)			2
-20C	1.2500 (31.750)	1.8750 (47.625)	1.390 (35.310)					
-25C	1.5380 (39.014)	2.5000 (63.500)	1.800 (45.720)	.580 (14.730)	.670 (17.020)			
-28C	1.7500 (44.450)	2.6880 (68.275)	1.980 (50.290)					
-33C	2.0630 (52.400)	3.0000 (76.200)	2.300 (58.420)	.580 (14.730)	.670 (17.020)	.080 (1.524)	.020 (.508)	3
-37C	2.3130 (58.750)	3.2500 (82.550)	2.560 (65.020)					
-47C	2.9380 (74.625)	3.8750 (98.425)	3.200 (81.280)					
-49C	3.0630 (77.800)	4.0000 (101.600)	3.330 (84.580)					

BASIC (NOMINAL) DIAMETER		BEARING ROUNDNESS LIMITS							
		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS			
		MEAN DIAMETER		D MAX		MEAN DIAMETER		D MAX	
OVER	INCL	d MIN	LOW	HIGH	d MAX	D MIN	LOW	HIGH	D MAX
.0000 (.000)	1.0000 (25.400)	-.0008 (.020)	-.0005 (.013)	+.0000 (.000)	+.0003 (.008)	-.0020 (.051)	-.0010 (.025)	+.0000 (.000)	+.0010 (.025)
1.0000 (25.400)	2.0000 (50.800)	-.0011 (.028)	-.0008 (.020)	+.0000 (.000)	+.0003 (.008)	-.0020 (.051)	-.0011 (.028)	+.0000 (.000)	+.0010 (.025)
2.0000 (50.800)	4.0000 (101.600)	-.0014 (.036)	-.0011 (.028)	+.0000 (.000)	+.0003 (.008)	-.0021 (.054)	-.0011 (.028)	+.0000 (.000)	+.0010 (.025)

- 1/ TOLERANCE ON -16C BORE IS +.0000 (.000) TO -.0005 (.013)  
 2/ TOLERANCE ON -20C, -25C AND -28C BORE, IS +.0000 (.000) TO -.0008 (.020)  
 3/ TOLERANCE ON -16C AND -20C O.D. IS +.0000 (.000) TO -.0010 (.025)  
 4/ TOLERANCE ON -33C, -37C, -47C AND -49C OUTER RING WIDTH AND INNER RING WIDTH IS +.000 (.000) TO -.008 (.203)

(D) DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS  
 CUSTODIANS: ARMY-AT NAVY-AS  
 AIR FORCE-99 DLA-  
 REVIEW: ARMY-AV, ME, MI AF-B4 DLA-IS  
 USER: NAVY-MC, CG  
 PROJECT NUMBER 3110-0574

MILITARY SPECIFICATION SHEET  
 TITLE  
 BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW  
 TORQUE TUBE, AIRFRAME, ANTI-FRICTION,  
 SEALED, TYPE IV

SPECIFICATION SHEET NUMBER  
**MS28915**  
 05 DEC 94  
 REV D  
 SUPERSEDING  
 MS28915 C 15 NOV 1985  
 AMSC- N/A FSC 3110

DISTRIBUTION STATEMENT A Approved for public release; distribution is unlimited.

Page 1 of 2

DD Form 672, MAY 88

PREVIOUS EDITIONS ARE OBSOLETE

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 DODDS SPECIFIED IN THE SOLICITATION: MIL-B-8914

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

Form Approved  
OMB No. 0704-0188

# REQUIREMENTS:

1. MATERIAL: RETAINERS: STEEL, MIL-S-5626 OR COPPER BERYLLIUM PER QQ-C-390.  
RINGS AND ROLLERS: STEEL, MIL-S-7420 PER FED-STD-88.
- ② 2. LUBRICANT: MIL-G-23827 OR MIL-G-81322. ALL BEARINGS SHALL BE PACKED WITH GREASE CONFORMING TO MIL-G-81322 UNLESS OTHERWISE SPECIFIED. GREASE MIL-G-23827 SHALL NOT BE USED WHERE TEMPERATURE EXCEEDS 250°F MAX. ALL BEARINGS SHALL BE FILLED 80% MINIMUM WITH GREASE. IF MIL-G-23827 IS REQUIRED, ADD LETTER "G" AFTER THE MS28915 DASH NUMBER.
- ③ 3. RADIAL INTERNAL CLEARANCE: .0004(.010) TO .0010(.025)
- ④ 4. FINISH: ZINC-NICKEL PLATING, AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE 1, CLASS 2, .0003 TO .0006 THICKNESS.
- ⑤ 5. SURFACE ROUGHNESS: RACEWAYS 8 MICROINCHES  $R_a$ , ROLLERS 6 MICROINCHES  $R_a$ , ALL OTHER SURFACES 32 MICROINCHES  $R_a$  IN ACCORDANCE WITH ANSI/ASME B46.1. REMOVE BURRS AND SHARP EDGES.
6. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.
7. TOLERANCES: DECIMALS +.010 (.250) TO -.000 (.000), UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONS TO BE MET AFTER PLATING.

## NOTES:

1. FOR DESIGN FEATURE PURPOSE, THIS SPECIFICATION TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
- ③ 3. SELF-ALIGNING TO 2" MAX IN EITHER DIRECTION.

PREPARING ACTIVITY NAVY-AS CUSTODIANS: ARMY-AT NAVY-AS AIR FORCE-99 DLA- REVIEW ARMY-AV,ME,MI AF-84 DLA-IS USER NAVY-MC,CG PROJECT NUMBER 3110-0874	MILITARY SPECIFICATION SHEET TITLE BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW, TORQUE TUBE, AIRFRAME, ANTI-FRICTION, SEALED, TYPE IV	SPECIFICATION SHEET NUMBER MS28915 05 DEC 94 REV D SUPERSEDING MS28915 C 13 MAY 1985 AMSC- N/A FSC -3110
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