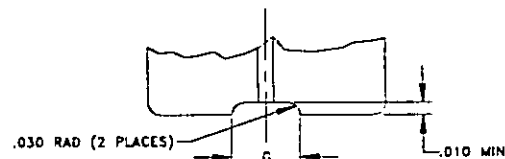
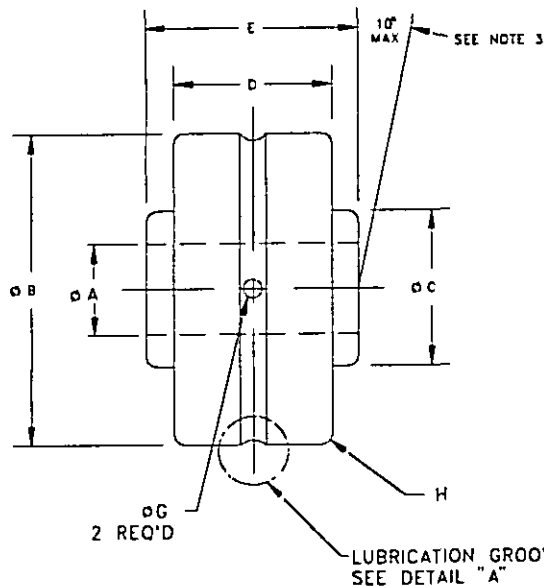


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDS SPECIFIED IN THE SOLICITATION: MIL-B-4914

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

Form Approved
OMB No. 0704-0168



DETAIL "A"

MS DASH NO.	WT MAX LBS	STATIC LIMIT LOAD - LBS		DYNAMIC LOAD RATING - LBS	
		RADIAL	AXIAL	RADIAL	AXIAL
-4C	.21	6870	4250	5700	3525
-5C	.38	12300	7100	10200	5890
-6C	.36				
-7C	.74	19100	10400	15800	8600
-8C	.74				
-9C	1.15	29000	14500	24000	12000
-10C	1.14				
-12C	1.50	38300	18600	31700	15395
-14C	2.28	59100	29500	49000	25150

MS DASH NO.	CA +.0000 (.000) -.0005 (.013) BORE	CB +.0000 (.000) -.0005 (.013) O.D. 1/	CC +.005 (.127) -.005 (.127) DIA	RADIAL INTERNAL CLEARANCE	D +.000 (.000) -.005 (.127) WIDTH OUTER FING	E +.000 (.000) -.005 (.127) WIDTH INNER RING	F GROOVE WIDTH MIN	G LUBRICATION HOLE SIZE	H +.015 (.381) -.000 (.000)	
	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	
-4C	.2500 (6.350)	1.2500 (31.750)	.480 (12.450)	.0002(.005) .0010(.025)	.750 (19.050)	1.000 (25.400)	.090 (2.032)	.060 (1.524)	.050(1.270)	
-5C	.3125 (7.938)	1.5625 (39.688)	.670 (17.020)		.844 (21.440)	1.187 (30.150)				
-6C	.3750 (9.525)	2.0000 (50.800)	.920 (23.370)		1.000 (25.400)	1.500 (38.100)				
-7C	.4375 (11.112)		.0004(.010) .0012(.030)	1.000 (25.400)	1.500 (38.100)	.110 (2.794)	.090(2.286)			
-8C	.5000 (12.700)			1.125 (28.580)	1.687 (42.850)					
-9C	.5625 (14.288)	1.250 (31.750)		1.875 (47.620)						
-10C	.6250 (15.875)	1.350 (34.290)		2.000 (50.800)						
-12C	.7500 (19.050)	2.6250 (66.675)	1.230 (31.240)							
-14C	.8750 (22.225)	3.0000 (76.200)	1.350 (34.290)							
BASIC (NOMINAL) DIAMETER		BEARING ROUNDNESS LIMITS								
		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS				
		OVER	INCL	MEAN DIAMETER		d MAX	D MIN	MEAN DIAMETER		D MAX
				d MIN	LOW			HIGH	LOW	
.0000(.000)	2.0000(50.800)	-.0005(.015)	-.0005(.013)	+.0000(.000)	+.0001(.002)	-.0008(.020)	-.0005(.013)	+.0000(.000)	+.0003(.008)	
2.0000(50.800)	4.0000(101.600)	-.0009(.023)	-.0007(.018)	+.0000(.000)	+.0002(.005)	-.0012(.030)	-.0007(.018)	+.0000(.000)	+.0005(.013)	

BEARING ROUNDNESS LIMITS									
BASIC (NOMINAL) DIAMETER		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS			
		MEAN DIAMETER		d MAX	D MIN	MEAN DIAMETER		D MAX	
OVER	INCL	d MIN	LOW	HIGH		LOW	HIGH		
.0000(.000)	2.0000(50.800)	-.0006(.015)	-.0005(.013)	+.0000(.000)	+.0001(.002)	-.0008(.020)	-.0005(.013)	+.0000(.000)	+.0003(.008)
2.0000(50.800)	4.0000(101.600)	-.0009(.023)	-.0007(.018)	+.0000(.000)	+.0002(.005)	-.0012(.030)	-.0007(.018)	+.0000(.000)	+.0005(.013)

1/ TOLERANCE ON -10C, -12C and -14C O.D., IS +.0000 (.000) TO -.0007 (.018)

Ⓢ DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS
CUSTODIANS ARMY- AT NAVY- AS
AIR FORCE- 11.99 DLA-
REVIEW ARMY-AV,AT,ME,M AF-84 DLA-IS
USER: NAVY-MC,CG
PROJECT NUMBER 3110-0873

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

SPECIFICATION SHEET NUMBER
MS28914
05 DEC 94
REV D
SUPERSEDING
MS28914 C 15 NOV 73
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 DOD/SS SPECIFIED IN THE SOLICITATION MIL-B-8914

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

REQUIREMENTS: (D) 1. MATERIAL: RETAINERS: STEEL, MIL-S-5828 OR COPPER, BERYLLIUM PER QQ-C-390. RINGS AND ROLLERS: STEEL, MIL-S-7420 PER FED-STD-66. (D) 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 MS28914 DASH NUMBER. (D) 3. FINISH: ZINC-NICKEL, AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE 1, CLASS 2, THICKNESS .0003 TO .0006 INCHES. (D) 4. SURFACE ROUGHNESS: FACEWAYS 8 MICROINCHES Ra, ROLLERS 6 MICROINCHES Ra. ALL OTHER SURFACES 32 MICROINCHES Ra IN ACCORDANCE WITH ANSI/ASME B46.1. REMOVE BURRS AND SHARP EDGES. 5. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. 6. TOLERANCES: DECIMALS +.010 (.250) TO -.000 (.000), UNLESS OTHERWISE SPECIFIED. 7. DIMENSIONS TO BE MET AFTER FLATING.		Form Approved OMB No. 0704-0168	
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. (D) 3. SELF-ALIGNING TO 10° MAX IN EITHER DIRECTION.			
PREPARING ACTIVITY NAVY-AS CUSTODIANS ARMY-AT NAVY-AS AIR FORCE-11,99 DLA- REVIEW ARMY-AV,AT,ME,MI AF-B4 DLA-IS USER NAVY-MC,CG PROJECT NUMBER 3110-0873		TITLE BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW AIRFRAME, ANTI-FRICTION, SEALED, TYPE III	
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Page 2 of 2		Page 2 of 2	

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