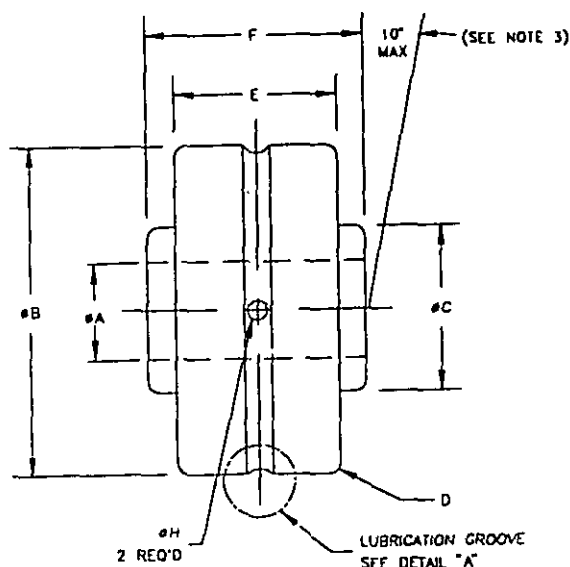


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-B-8914

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
-4C	.06	3080	1690	2580	1380
-5C	.17	7590	4300	6300	3570
-6C	.28	10100	5790	8390	4800
-8C	.40	12700	8380	10600	5300
-10C	.60	18900	9450	15700	7840
-12C	1.04	31400	15400	26000	12800

MS DASH	ØA +.0000 (.000) -.0005 (.013)	ØB +.0000 (.000) -.0005 (.013)	ØC +.0005 (.127) -.0005 (.127)	D +.015 (.381) -.000 (.000)	E +.000 (.000) -.005 (.127)	F +.000 (.000) -.005 (.127)	G GROOVE WIDTH	ØH LUBRICATION HOLE
	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)	IN. (mm)
-4C	.2500 (6.350)	.9014 (22.896)	.450 (11.430)	.050 (1.270)	.464 (11.780)	.625 (15.880)	.050 (1.270)	.047 (1.194)
-5C	.3125 (7.938)	1.2500 (31.750)	.520 (13.210)		.656 (16.660)	.812 (20.620)	.080 (2.032)	.060 (1.524)
-6C	.3750 (9.525)	1.4375 (36.512)	.610 (15.490)		.750 (19.050)	.937 (23.800)		
-8C	.5000 (12.700)	1.6875 (42.862)	.820 (20.830)		.812 (20.620)	1.000 (25.400)		
-10C	.6250 (15.875)	1.9375 (49.212)	.940 (23.860)		.937 (23.800)	1.125 (28.580)		
-12C	.7500 (19.050)	2.3750 (60.325)	1.120 (28.450)		1.125 (28.580)	1.312 (33.320)	.110 (2.790)	.090 (2.286)

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 -12C O.D., IS +.0000 (.000) TO -.0007 (.018)

ⓐ DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY- AT NAVY- AS
AIR FORCE- 99 DLA-
REVIEW: ARMY-AV,AT,ME,MI AF-84 DLA-IS
USER: NAVY-MC,CG
PROJECT NUMBER: 3110-0872

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

SPECIFICATION SHEET NUMBER
MS28913
05 DEC 94
REV D
SUPERSEDING
MS28914 C 13 MAY 1973
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

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

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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-66.
- (D) 2. LUBRICANT: MIL-G-81322 OR MIL-G-23827. ALL BEARINGS SHALL BE PACKED WITH GREASE CONFORMING TO MIL-G-81322 UNLESS OTHERWISE SPECIFIED. ALL BEARINGS SHALL BE FILLED 80% MINIMUM WITH GREASE. IF MIL-G-23827 IS REQUIRED, ADD THE LETTER "G" AFTER THE MS28913 DASH NUMBER. GREASE MIL-G-23827 SHALL NOT BE USED WHERE TEMPERATURE EXCEEDS 250° F MAX.
3. RADIAL INTERNAL CLEARANCE: RADIAL .0002 (.005) TO (.025).
- (D) 4. FINISH: ZINC-NICKEL, AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE I, CLASS 2, TO A THICKNESS OF .0003 TO .0006 INCHES.
- (D) 5. SURFACE ROUGHNESS: RACEWAYS 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.
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 THE ISSUE EFFECT ON DATE OF INVITATION FOR BIDS.
- (D) 3. SELF-ALIGNED TO 10° MAX IN EITHER DIRECTION.

PREPARING ACTIVITY: NAVY-AS

CUSTODIANS: ARMY- AT NAVY- AS

AIR FORCE- 11 OLA-

REVIEW: ARMY-AV,AT,ME,MI, AF-B4, OLA-IS

USER: NAVY-MC,CG

PROJECT NUMBER: 3110-0872

MILITARY SPECIFICATION SHEET

TITLE

BEARING, BALL, SELF-ALIGNING, DOUBLE ROW
AIRFRAME, ANTI-FRICTION, SEALED, TYPE II

SPECIFICATION SHEET NUMBER

MS28913

05 DEC 94
REV D

SUPERSEDING

MS28913 C

13 MAY 1973

AMSC- N/A

FSC -3110

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