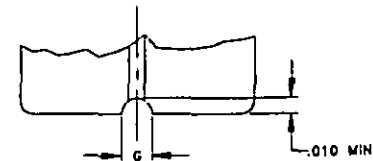
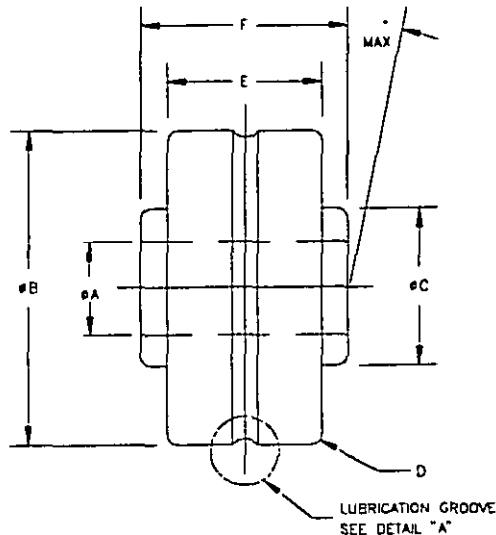


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODSS SPECIFIED IN THE SOLICITATION: MIL-B-8314



(E) DETAIL "A"

MS DASH NO.	G GROOVE WIDTH MIN		LUBRICATION HOLE Dia	
	IN.	(mm)	IN.	(mm)
-4C	.063	(1.575)	.038	1.085
-5C				(1.1941)
-6C				
-8C	.078	(1.981)	.035	1.307
-10C				
-12C				

MS DASH NO.	QA		QB		QC		D		E		F		STATIC LIMIT LOAD-POUNDS		WT. MAX. LBS.
	+.0000 (.000) -.0005 (.013) BORE		-.0000 (.000) -.0005 (.013) O.D.		+.005 (.127) -.005 (.127) DIA		+.015 (.381) -.000 (.000) RAD.		+.000 (.000) -.005 (.127) WIDTH OUTER RING		+.000 (.000) -.005 (.127) WIDTH INNER RING				
	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	IN.	(mm)	PADIAL	AXIAL	
-4C	.2500	(6.350)	.9014	(22.896)	.390	(9.500)	.032	(.813)	.464	(11.780)	.625	(15.880)	3025	910	.04
-5C	.3125	(7.938)	1.2500	(31.750)	.515	(13.080)			.636	(16.660)	.812	(20.620)	7350	2210	.17
-6C	.3750	(9.525)	1.4375	(36.512)	.550	(13.970)			.750	(19.050)	.937	(23.800)	9600	23.80	.26
-8C	.5000	(12.700)	1.6875	(42.862)	.775	(19.680)	.050	(1.118)	.812	(20.620)	1.000	(25.400)	12500	3750	.34
-10C	.6250	(15.875)	1.9375	(49.212)	.869	(22.070)			.937	(23.800)	1.125	(28.580)	17700	5310	.60
-12C	.7500	(19.050)	2.3750	(60.325)	1.090	(27.690)			1.125	(28.580)	1.312	(33.320)	26900	8070	1.04

BEARING ROUNDNESS LIMITS										
BASIC (NOMINAL) DIAMETER		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS				
		MEAN DIAMETER		D MAX	MEAN DIAMETER		D MAX			
		OVER	INCL		d MIN	LOW		HIGH		
		d MIN	LOW	HIGH	d MAX	D MIN	LOW	HIGH	D MAX	
	.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)

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 MAX
		d MIN	LOW	HIGH		LOW	HIGH		
.0000(.000)	2.0000(50.800)	-.0005(.013)	-.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 -12 O.D. +.0000 (.000) TO -.0007 (.018)

(E) DENOTES CHANGES

INCH-POUND

PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-AT NAVY-AS AIR FORCE-99 OLA- REVIEW: ARMY-AV,ME,WI AF-84 OLA-IS USER: NAVY-MC,CG PROJECT NUMBER: 3110-0911	MILITARY SPECIFICATION SHEET TITLE BEARING, ROLLER, SELF-ALIGNING, SINGLE ROW AIRFRAME, ANTI-FRICTION, SEALED, TYPE I	SPECIFICATION SHEET NUMBER MS28912 05 DEC 94 REV E SUPERSEDING MS28912 D 15 NOV 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.

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

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-5628, COPPER, BERYLLIUM PER QQ-C-390.
RINGS AND ROLLERS: STEEL, MIL-S-7420 PER FED-STD-68.
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 MS PART NUMBER. GREASE MIL-G-23827 SHALL BE USED FOR OPERATION UP TO 250° F MAX.
3. INTERNAL CLEARANCE: TOTAL PLAY, RADIAL .0002 (.005) TO .0010 (.025).
4. FINISH: ZINC-NICKEL, AMS 2417, TYPE 2, OR CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE 1, CLASS 2, TO A THICKNESS OF .0003 TO .0006 INCHES.
5. SURFACE ROUGHNESS: RACEWAYS 8 MICROINCHES Ra, ROLLERS 6 MICROINCHES Ra, IN ACCORDANCE WITH ANSI/ASME B46.1. ALL OTHER SURFACES 32 MICROINCHES Ra. REMOVE BURRS AND SHARP EDGES.
6. DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SPECIFIED.
7. TOLERANCES: DECIMALS +.010 (.250) TO -.000 (.000).
8. DIMENSIONS TO BE MET AFTER PLATING.

NOTES:

1. FOR DESIGN FEATURE PURPOSE, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.

PREPARING ACTMITY: 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: 3110-0911	MILITARY SPECIFICATION SHEET TITLE BEARING, ROLLER, SELF-ALIGNING, SINGLE ROW AIRFRAME, ANTI-FRICTION, SEALED, TYPE I	SPECIFICATION SHEET NUMBER MS28912 05 DEC 94 REV E SUPERSEDING MS28912 D 13 NOV 1973 AMSC- N/A FSC -3110
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