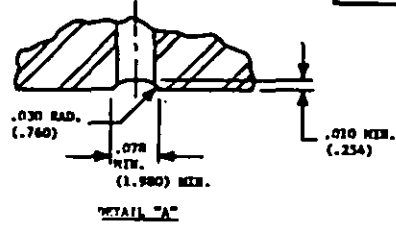
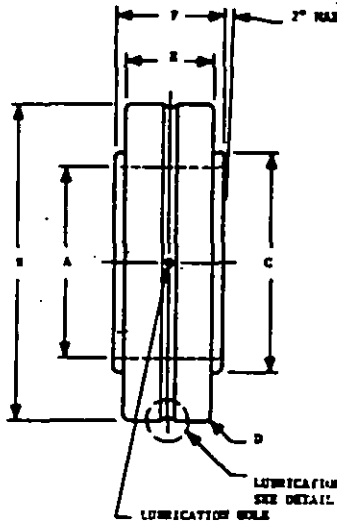


Proj. No. 3110-0442

FED. SUP. CLASS  
3110



DASH NO.	WT. LB.	STATIC LIMIT LOAD-POUNDS		DYNAMIC LOAD RATING-POUNDS	
		RADIAL	AXIAL	RADIAL	AXIAL
-16C	.18	3500	440	1700	213
-20C	.19	4300	490	2230	234
-23C	.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	6210	646
-49C	.78	13700	1150	6980	734

User activities: Revy - MC, 08

Review activities: ARS - AV, ME, MI, Air Tech - 84, DSA - 18

DASH NO.	A (.000) BORE		B (.000) O.D.		C (.127) DIA.		D (.508) RAD.		E (.000) WIDTH OUTER RING		F (.000) WIDTH INNER RING		LUBRICATION HOLE SIZE	NUMBER OF LUBRICATION HOLES
	IN.	(MM)	IN.	(MM)	IN.	(MM)	IN.	(MM)	IN.	(MM)	IN.	(MM)		
-16C	1.0000	(25.400)	1.6250	(41.275)	1.120	(28.450)								2
-20C	1.2500	(31.750)	1.750	(44.625)	1.740	(39.110)			.450	(11.430)	.500	(12.700)		
-23C	1.5360	(39.014)	2.5000	(63.500)	1.800	(45.700)			.580	(14.730)	.670	(17.020)		
-28C	1.7500	(44.450)	2.4800	(62.735)	1.980	(50.290)	.020	(.508)						
-33C	2.0630	(52.400)	3.0000	(76.200)	2.300	(58.420)			.580	(14.730)	.670	(17.020)		
-37C	2.3130	(58.750)	3.2500	(82.550)	2.560	(64.770)								3
-47C	2.9380	(74.625)	3.8750	(98.425)	3.200	(81.280)								
-49C	3.0830	(77.800)	4.0000	(101.600)	3.330	(84.400)								

BASIC (NOMINAL) DIAMETER		BORE ACCEPTANCE LIMITS						O.D. ACCEPTANCE LIMITS		
OVER	INCL.	NEAR DIAMETER			FAR DIAMETER			NEAR DIAMETER		
		A MIN	L/M	STGE	A MAX	D MIN	L/M	STGE	D MAX	
.0000 (.000)	1.0000 (25.400)	-.0008 (.020)	-.0005 (.013)	+.0000 (.000)	+.0003 (.008)	-.0000 (.000)	-.0000 (.000)	+.0000 (.000)	+.0010 (.025)	
1.0000 (25.400)	2.0000 (50.800)	-.0011 (.028)	-.0008 (.020)	+.0000 (.000)	+.0003 (.008)	-.0000 (.000)	-.0000 (.000)	+.0000 (.000)	+.0010 (.025)	
2.0000 (50.800)	4.0000 (101.600)	-.0014 (.036)	-.0011 (.028)	+.0000 (.000)	+.0003 (.008)	-.0000 (.000)	-.0000 (.000)	+.0000 (.000)	+.0010 (.025)	

① TOLERANCE ON -16 BORE, IS +.0000 (.000) TO -.0005 (.013)  
 ② TOLERANCE ON -20, -23 AND -28 BORE, IS +.0000 (.000) TO -.0008 (.020)  
 ③ TOLERANCE ON -16 AND -20 O.D., IS +.0000 (.000) TO -.0010 (.025)  
 ④ TOLERANCE ON -33, -37, -47 AND -49 OUTER RING WIDTH AND INNER-RING WIDTH, IS +.000 (.000) TO -.008 (.203)

MATERIAL: RETAINERS: STEEL, MIL-S-9428  
 COPPER, BERYLLIUM PER QQ-C-390  
 RINGS AND ROLLERS: STEEL, MIL-S-7470 PER FED. STD. NO. 44  
 FINISH: CALCIUM PLATE, QQ-P-414, TYPE 1, CLASS 2  
 SURFACE ROUGHNESS: RACEWAYS 8 RM, ROLLERS 6RM, IN ACCORDANCE WITH ANSI B46.1. ALL OTHER SURFACES 32 RM, REMOVE BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SPECIFIED  
 TOLERANCES: DECIMALS +.010 (.250) TO -.001 (.001)  
 DIMENSIONS TO BE MET AFTER PLATING

⑤ INTERNAL CLEARANCE: TOTAL PLAY, RADIAL .0004 (.010) TO .0010 (.025)  
 ENTIRE STANDARD REVISED.  
 LUBRICATION: MIL-C-81322  
 FOR DESIGN PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PREVIOUS EDITIONS REFERENCED HEREIN.  
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

P.A. USAP -11 Other Cont	TITLE	MILITARY STANDARD
ARMY -AT NAVY -AS	BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW, TORQUE TUBE, AIRFRAME, ANTI-FRICTION, SEALED, TYPE IV	MS28915
PROCUREMENT SPECIFICATION MIL-S-8914	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1

PREPARED OFFICE OF THE JUDGE AND QUARTERMASTER

APPROVED 6 Nov 62 REVISED 4 20 Dec 66 6 24 Dec 66 TO C 10 Nov 73