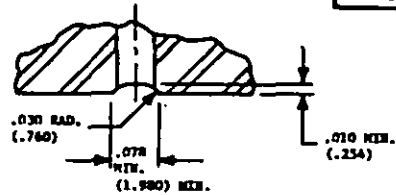
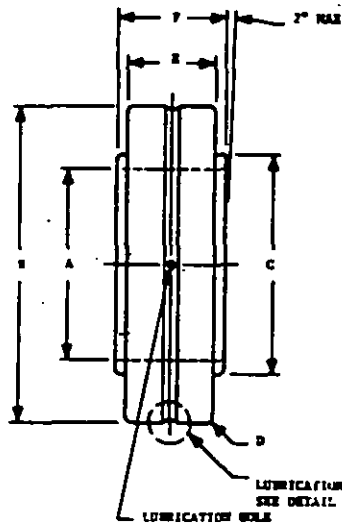


Proj. No. 3110-0442

PER. SUP. CLASS
3110

DETAIL "A"

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	2200	234
-25C	.41	6000	540	2750	348
-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

DASH NO.	A +.0000 (.000) -.0011 (.028) BORE		B +.0000 (.000) -.0011 (.028) O.D.		C +.0001 (.127) +.0005 (.127) DIA.		D +.0001 (.508) -.0001 (.000) RAD.		E +.0001 (.000) -.0005 (.127) WIDTH OUTER RING		F +.0001 (.000) -.0005 (.127) WIDTH INNER RING		LUBRICATION HOLE SIZE	NUMBER OF LUBRICATION HOLES
	IN.	(MM)	IN.	(MM)	IN.	(MM)	IN.	(MM)	IN.	(MM)	IN.	(MM)		
	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)	.020 (.508)		.450	(11.430)	.500	(12.700)	.060 (1.524)	2
-20C	1.2500	(31.750)	1.7500	(44.625)	1.790	(45.710)			.580	(14.730)	.670	(17.020)		
-25C	1.5360	(39.014)	2.5000	(63.500)	1.800	(45.700)			.580	(14.730)	.670	(17.020)		3
-28C	1.7500	(44.450)	2.4800	(62.750)	1.980	(50.290)			.580	(14.730)	.670	(17.020)		
-33C	2.0630	(52.600)	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	(64.920)			.580	(14.730)	.670	(17.020)		
-47C	2.9380	(74.625)	3.8750	(98.425)	3.200	(81.280)								
-49C	3.0630	(77.800)	4.0000	(101.600)	3.330	(84.400)								

BASIC (NOMINAL) DIAMETER		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS			
		NEAR DIAMETER		FAR DIAMETER		NEAR DIAMETER		FAR DIAMETER	
OVER	UNDER	A MIN	A MAX	B MIN	B MAX	C MIN	C MAX	D MIN	D MAX
1.0000 (25.400)	1.0000 (25.400)	-.0008 (.020)	+.0001 (.010)	-.0001 (.000)	+.0001 (.000)	-.0001 (.000)	+.0001 (.000)	-.0001 (.000)	+.0001 (.000)
1.0000 (25.400)	2.0000 (50.800)	-.0011 (.028)	+.0008 (.020)	+.0001 (.000)	+.0001 (.000)	-.0001 (.000)	+.0001 (.000)	-.0001 (.000)	+.0001 (.000)
2.0000 (50.800)	4.0000 (101.600)	-.0014 (.036)	+.0011 (.028)	+.0001 (.000)	+.0001 (.000)	-.0001 (.000)	+.0001 (.000)	-.0001 (.000)	+.0001 (.000)

TOLERANCE ON -16 BORE, IS $\pm .0000$ (.000) TO $-.0005$ (.013)
 TOLERANCE ON -20, -25 AND -28 BORE, IS $\pm .0000$ (.000) TO $-.0008$ (.020)
 TOLERANCE ON -16 AND -20 O.D., IS $\pm .0000$ (.000) TO $-.0010$ (.025)
 TOLERANCE ON -33, -37, -47 AND -49 OUTER RING WIDTH AND INNER RING WIDTH, IS $\pm .000$ (.000) TO $-.008$ (.203)

MATERIAL: RETAINERS: STEEL, MIL-S-9428

COPPER, ACRYLON PER QQ-C-390

RINGS AND ROLLERS: STEEL, MIL-S-7420 PER FED. STD. NO. 44

FINISH: CARNITON PLATE, QQ-P-414, TYPE I, CLASS 2

SURFACE ROUGHNESS: RACEWAYS 8 RM, ROLLERS 400, IN ACCORDANCE WITH ANSI B46.1. ALL OTHER SURFACES 32 RM, EDGES 63 AND SHARP EDGES.

DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SPECIFIED

TOLERANCES: DECIMALS $\pm .010$ (.250) TO $-.001$ (.000)

DIMENSIONS TO BE MET AFTER FINISH

INTERNAL CLEARANCE: TOTAL PLAY, RADIAL $.0004$ (.010) TO $.0010$ (.025)

ENTIRE STANDARD REVISED

LUBRICATION: MIL-C-81122

FOR DESIGN PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PREVIOUS EDITIONS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

P.A.	USAP -11	TITLE	MILITARY STANDARD
Other Code		BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW, TORQUE TUBE, AIRFRAME, ANTI-FRICTION, SEALED, TYPE IV	MS28915
	ARMY -47 NAVY -45		
PROCUREMENT SPECIFICATION	SUPERSEDED		SHEET 1 OF 1
	MIL-S-8914		

DD FORM 672-1

PREPARED OFFICE OF THE JUDGE ADVOCATE GENERAL

User activities: Navy - MC, 08

Review activities: Army - AV, MG, MI
Air Force - 84
DIA - 18

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.

APPROVED 6 Nov 62 REVISED 4 Dec 66 10 Nov 73