

SAE-AS28914

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Custodians:

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Adopting Activity

Navy - AS
(Project 3110-1116)

Review Activities:

Army - AR, AV, MI
Air Force - 84

FSC 3110

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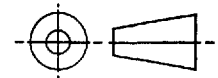
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THIRD ANGLE PROJECTION



PREPARED BY AIRFRAME CONTROL BEARINGS GROUP

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AEROSPACE STANDARD

BEARING, ROLLER, SELF-ALIGNING, DOUBLE ROW
AIRFRAME, ANTI-FRICTION, SEALED, TYPE III

AS28914
SHEET 1 OF 3

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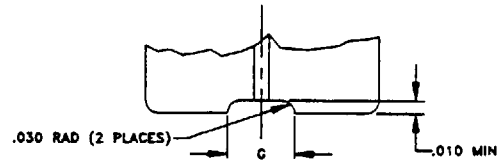
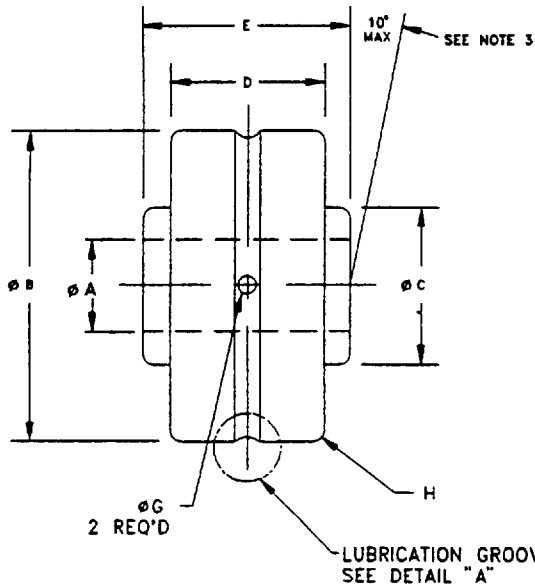
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ISSUED 1998-06

AS28914

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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	19100	10400	15800	8600
-7C	.74	29000	14500	24000	12000
-8C	.74	38300	18600	31700	15395
-9C	1.15	59100	29500	49000	25150
-10C	1.14				
-12C	1.50				
-14C	2.28				

MS DASH NO.	ØA +.0000 (.000) -.0005 (.013) BORE	ØB +.0000 (.000) -.0005 (.013) O.D.	ØC +.005 (.127) -.005 (.127) DIA	RADIAL INTERNAL CLEARANCE	ØD +.000 (.000) -.005 (.127) WIDTH OUTER RING	E +.000 (.000) -.005 (.127) WIDTH INNER RING	F GROOVE WIDTH MIN	ØG 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)	.490 (12.450)		.750 (19.050)	1.000 (25.400)			
-5C	.3125 (7.938)	1.5625 (39.688)	.670 (17.020)	.0002(.005)	.844 (21.0)	1.187 (30.150)	.080 (2.032)	.060 (1.524)	
-6C	.3750 (9.525)			.0010(.025)					
-7C	.4375 (11.112)	2.0000 (50.800)	.920 (23.370)		1.000 (25.0)	1.500 (38.100)			
-8C	.5000 (12.700)								
-9C	.5625 (14.288)	2.3750 (60.325)	1.000 (25.400)	.0004(.010)	1.125 (28.580)	1.687 (42.850)	.110 (2.794)	.090(2.286)	.050(1.270)
-10C	.6250 (15.875)			.0012(.030)	1.250 (31.750)	1.875 (47.620)			
-12C	.7500 (19.050)	2.6250 (66.675)	1.230 (31.240)		1.250 (31.750)	1.875 (47.620)			
-14C	.8750 (22.225)	3.0000 (76.200)	1.350 (34.290)		1.500 (38.100)	2.000 (50.800)			

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			LOW	HIGH		
		.0000(.000)	2.0000(50.800)	-.0006(.015)	-.0005(.013)	+.0000(.000)	+.0001(.002)	-.0008(.020)	-.0005(.013)
		2.0000(50.800)	4.0000(101.600)	-.0009(.023)	-.0007(.018)	+.0000(.000)	+.0002(.005)	-.0012(.030)	-.0007(.018)

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