

**AS21431**

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THIRD ANGLE PROJECTION



ISSUED 1998-07

PREPARED BY AIRFRAME CONTROL BEARINGS GROUP

**SAE** The Engineering Society  
For Advancing Mobility  
Land Sea Air and Space  
**INTERNATIONAL**  
400 Commonwealth Drive, Warrendale, PA 15096-0001

**AEROSPACE STANDARD**

BEARING, ROLLER, SELF-ALIGNING SINGLE ROW  
ANTI-FRICTION, SEALED -65 TO 350 F, TYPE I

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SHEET 1 OF 3

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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.

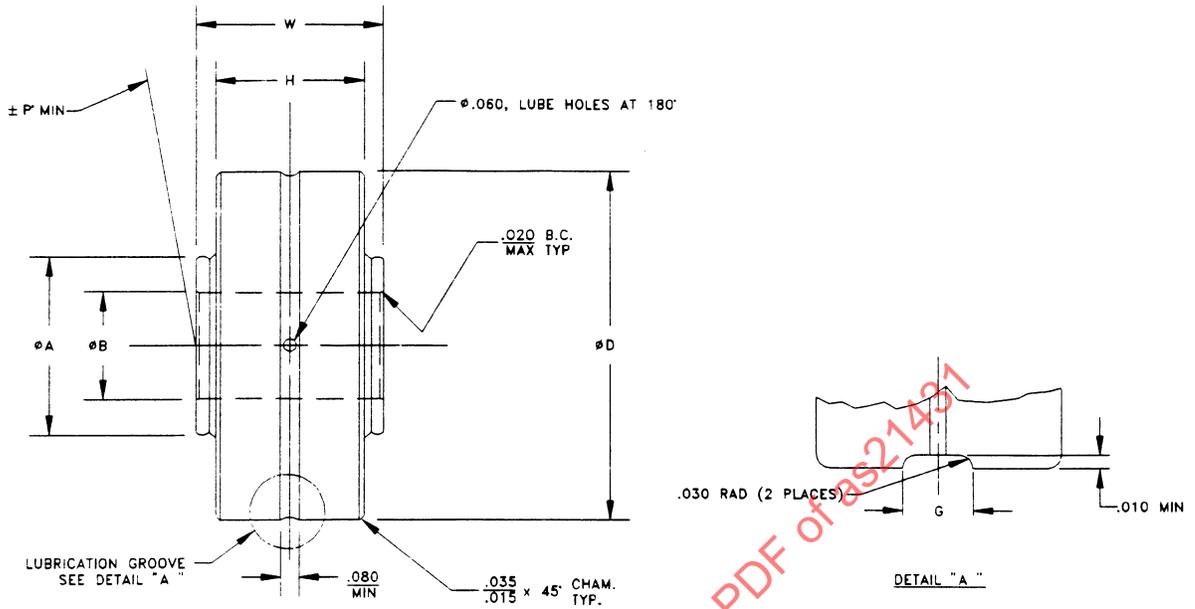


TABLE 1

MS DASH NO.	REFERENCE NUMBER	∅B +.0000 -.0005	∅D +.0000 -.0005	W +.000 -.005	H +.000 -.005	∅A +.005 -.005	P'	WT LB	LIMIT LOAD, LB		RADIAL DYNAMIC LOAD, LB
									RADIAL	THRUST	
-3	SA3-16A-42	.1900	1.0000	.500	.344	.420	10'	.07	2,720	270	2,260
-4	SA4-16A-42	.2500	1.0000	.500	.344	.420	10'	.06	2,720	270	2,260
-5	SA5-20A-42	.3125	1.2500	.588	.375	.550	10'	.12	4,210	420	3,490
-6	SA6-23A-42	.3750	1.4375	.620	.469	.660	10'	.17	6,160	610	5,120
-7	SA7-24A-42	.4375	1.5000	.812	.625	.660	10'	.30	7,900	790	6,550
-8	SA8-26A-42	.5000	1.6250	.750	.687	.810	2.5'	.37	11,900	1,190	9,940

BASIC (NOMINAL) DIAMETER		BEARING ROUNDNESS LIMITS							
		BORE ACCEPTANCE LIMITS				O.D. ACCEPTANCE LIMITS			
		MEAN DIAMETER		MEAN DIAMETER		MEAN DIAMETER		MEAN DIAMETER	
OVER	INCL	d MIN	LOW	HIGH	d MAX	D MIN	LOW	HIGH	D MAX
	2.0000	-.0005	-.005	+.00000	+.0001	-.0008	-.0005	+.0000	+.0003