

REV.
B

SAE AS21431

RATIONALE

FEDERAL SUPPLY CLASS
3110

THE REASON FOR UPDATING THIS SPECIFICATION IS TO ADD IDENTIFICATION LETTERS FOR CAD PLATING (OPTION "P") AND ZINC NICKEL PLATING (OPTION "E"), AND TO ADD IDENTIFICATION LETTERS FOR MIL-PRF-23827 TYPE I OR TYPE II (OPTION "G"), TYPE I (OPTION "H"), AND TYPE II (OPTION "J").

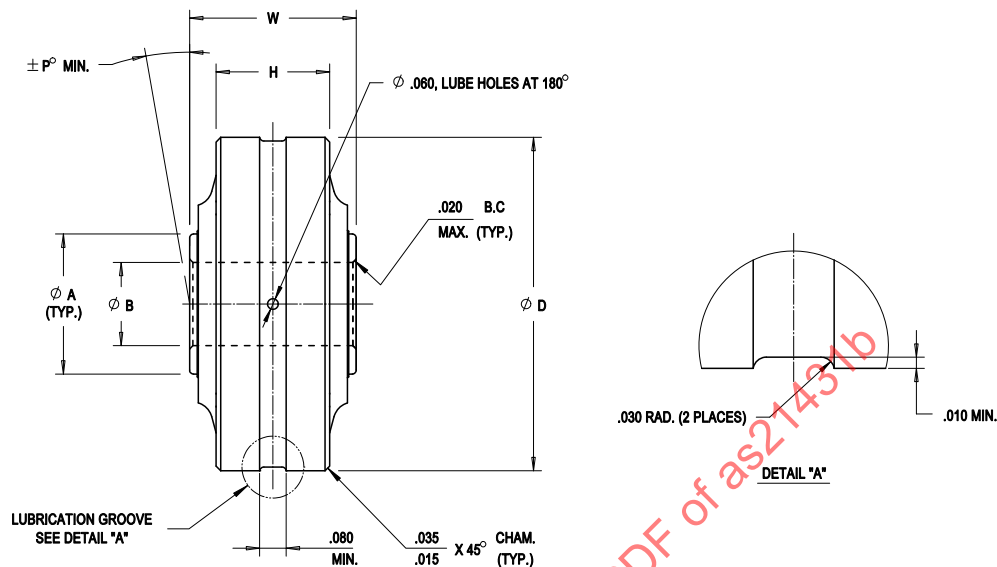


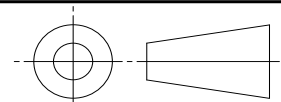
TABLE 1

DASH NO.	φ B +.0000 -.0005	φ D +.0000 -.0005	W +.000 -.005	H +.000 -.005	φ A +.005 -.005	P°	WT LB	LIMIT LOAD - LB		RADIAL DYNAMIC LOAD. LB
								RADIAL	THRUST	
-3	.1900	1.0000	.500	.344	.420	10°	.07	2720	270	2260
-4	.2500	1.0000	.500	.344	.420	10°	.06	2720	270	2260
-5	.3125	1.2500	.588	.375	.550	10°	.12	4210	420	3490
-6	.3750	1.4375	.620	.469	.660	10°	.17	6160	610	5120
-7	.4375	1.5000	.812	.625	.660	10°	.30	7900	790	6550
-8	.5000	1.6250	.750	.687	.810	2.5°	.37	11 900	1190	9940

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

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS21431B>

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AIRFRAME CONTROL BEARINGS GROUP

PROCUREMENT SPECIFICATION: AS8914

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS21431
SHEET 1 OF 2

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