

NOTICE

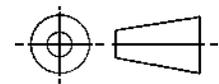
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THIRD ANGLE PROJECTION



ISSUED 2002-02

CUSTODIAN: SAE ACBG



AEROSPACE STANDARD

BEARING, ROLLER, NEEDLE, TRACK ROLLER,
INTEGRAL STUD, SEALED, TYPE VIII,
ANTIFRICTION, INCH

AS21440
SHEET 1 OF 3

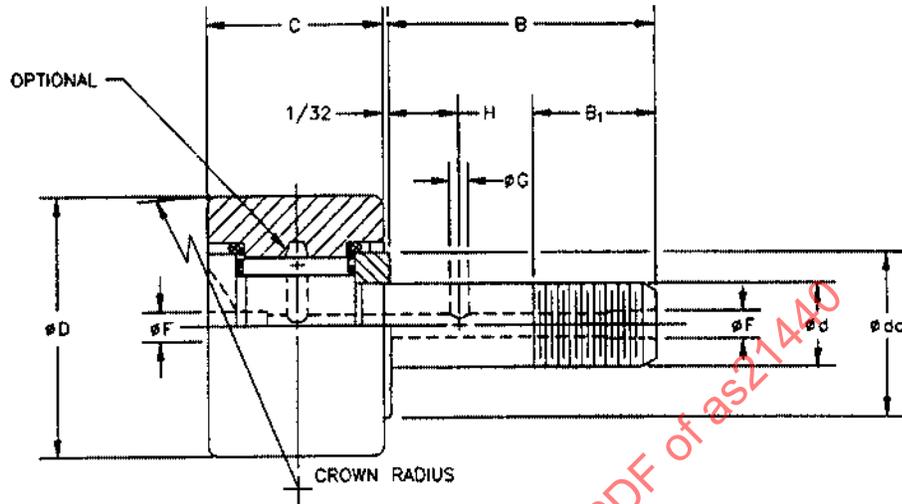
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THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.



Dimensions in inches

Dash No	#d Stud Diameter	#D Outside Diameter	C Outer Ring Width	E Stud Length	B ₁ Minimum Perfect Thread Length	Fine Threads UNF	Oil Hole #G Hole Dia	H Hole Center	#F Lub Fitting Size	Crown Radius Ret	Total Radial Clearance Max	phi da Clamp- ing Dia Min	1/ Lbf-in Max	Capacity As a Track Roller lbf	Track Capacity lbf	Limit Load Rating lbf	W Api
-080	0.1900	0.5000	0.344	0.500	0.2500	10-32	-	-	0.125*	6.00	0.0023	0.30	8.0	500	450	600	0
-081	0.1900	0.5000	0.375	0.625	0.2500	10-32	-	-	0.125*	7.00	0.0023	0.30	8.0	508	508	700	0
-0811	0.1900	0.5625	0.375	0.625	0.2500	10-32	-	-	0.125*	7.00	0.0023	0.30	8.0	700	575	700	0
-101	0.2500	0.6250	0.405	0.625	0.3125	1/4-28	-	-	0.125*	7.00	0.0023	0.36	10.0	1000	657	1000	0
-102	0.2500	0.6250	0.438	0.750	0.3125	1/4-28	-	-	0.125*	8.00	0.0023	0.36	10.0	1100	718	1100	0
-111	0.2500	0.6875	0.438	0.750	0.3125	1/4-28	-	-	0.125*	8.00	0.0023	0.36	10.0	1100	865	1100	0
-121	0.3750	0.7500	0.500	0.875	0.3750	3/8-24	0.094	0.250	0.188	10.00	0.0023	0.50	55.0	2000	1030	2000	0
-141	0.3750	0.8750	0.500	0.875	0.3750	3/8-24	0.094	0.250	0.188	10.00	0.0023	0.50	55.0	2000	1160	2000	0
-161	0.4375	1.0000	0.625	1.000	0.5000	7/16-20	0.125	0.250	0.188	12.00	0.0023	0.64	150.0	2900	1480	2900	0
-181	0.4375	1.1250	0.625	1.000	0.5000	7/16-20	0.125	0.250	0.188	12.00	0.0023	0.64	150.0	2900	1670	2900	0
-201	0.5000	1.2500	0.750	1.250	0.6250	1/2-20	0.125	0.312	0.188	14.00	0.0023	0.77	205.0	4100	2330	4100	0
-221	0.5000	1.3750	0.750	1.250	0.6250	1/2-20	0.125	0.312	0.188	14.00	0.0023	0.77	205.0	4100	2570	4100	0
-241	0.6250	1.5000	0.875	1.500	0.7500	5/8-18	0.157	0.375	0.188	20.00	0.0023	0.89	390.0	5500	3380	5500	0
-261	0.6250	1.6250	0.875	1.500	0.7500	5/8-18	0.157	0.375	0.188	20.00	0.0023	0.89	390.0	5500	3660	5500	0
-281	0.7500	1.7500	1.000	1.750	0.8750	3/4-16	0.157	0.438	0.188	20.00	0.0023	1.05	750.0	7700	4500	7700	0
-301	0.7500	1.8750	1.000	1.750	0.8750	3/4-16	0.157	0.438	0.188	20.00	0.0023	1.05	750.0	7700	4820	7700	0
-321	0.8750	2.0000	1.250	2.000	1.0000	7/8-14	0.188	0.500	0.188	24.00	0.0023	1.20	900.0	10400	6550	10400	1
-361	0.8750	2.2500	1.250	2.000	1.0000	7/8-14	0.188	0.500	0.188	24.00	0.0023	1.20	900.0	10400	7370	10400	1
-401	1.0000	2.5000	1.500	2.250	1.1250	1-14	0.188	0.562	0.188	30.00	0.0023	1.31	1350.0	15200	4250	16200	2
-441	1.0000	2.7500	1.500	2.250	1.1250	1-14	0.188	0.562	0.188	30.00	0.0023	1.31	1350.0	16200	10200	16200	2
-481	1.2500	3.0000	1.750	2.500	1.2500	1 1/4-12	0.188	0.625	0.250	30.00	0.0023	1.75	2050.0	24600	13400	24600	4
-521	1.2500	3.2500	1.750	2.500	1.2500	1 1/4-12	0.188	0.625	0.250	30.00	0.0023	1.75	2050.0	24600	14500	24600	4
-561	1.3750	3.5000	2.000	2.750	1.3750	1 3/8-12	0.188	0.688	0.250	30.00	0.0023	1.92	2500.0	31200	18300	31200	6
-641	1.5000	4.0000	2.250	3.500	1.5000	1 1/2-12	0.188	0.750	0.250	30.00	0.0023	2.28	3000.0	41000	24100	41000	8

* OIL HOLE "F" DRILLED FROM THE FLANGE END OF THE STUD TO THE RADIAL OIL HOLE ONLY
 1/ INSTALLATION TORQUE LUBRICATED THREADS

INCH-POUND