

RATIONALE

GRAPHICS REDRAWN. MATERIAL AND FINISH NOTE REFORMATTED. PACKAGING NOTE 6 ADDED TO REQUIREMENT SECTION. EXAMPLE OF PART NUMBER NOTE 7 REFORMATTED. LOAD RATING AND TEMPERATURE NOTE MOVED TO NOTES SECTION. NOTE 4 REVISED. NOTE 5 ADDED TO CLARIFY APPLICATION OF CODE "A." NEW NOTE 16 ADDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39901.

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AS5929™

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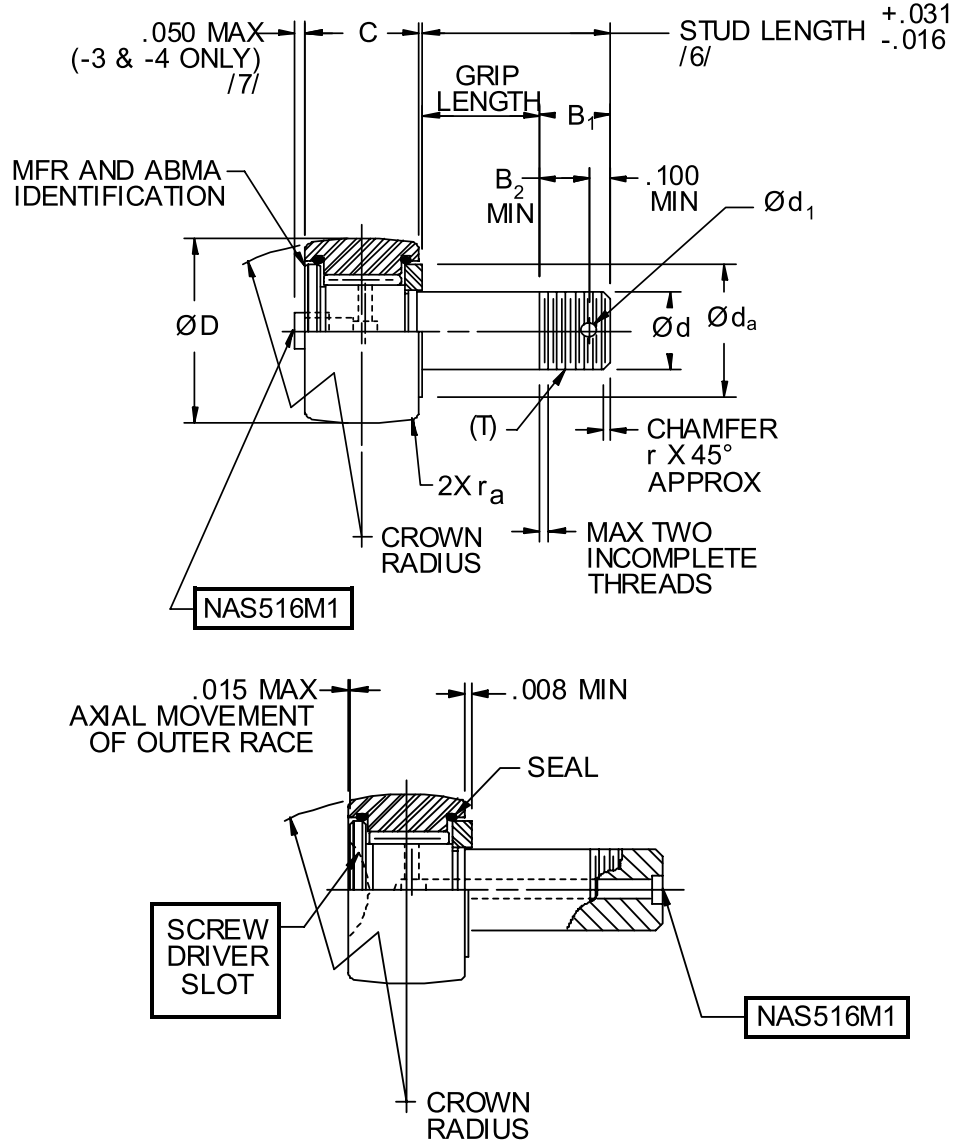
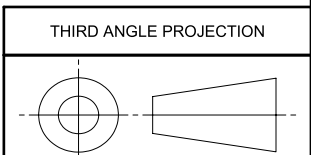


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5929C/>



ISSUED 2006-06 REVISED 2022-11

CUSTODIAN: ACBG

PROCUREMENT SPECIFICATION: AS39901



AEROSPACE STANDARD

BEARING, ROLLER, NEEDLE, TRACK-ROLLER, CROWN RADIUSED OD, INTEGRAL STUD, TYPE VII, ANTI-FRICTION, CORROSION RESISTANT NITROGEN (CREN) STEEL AND CORROSION RESISTANT (CRES) STEEL, INCH

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TABLE 1

FIRST DASH NO.	Ød STUD DIAMETER	ØD OUTER RING OD	C OUTER RING WIDTH	CROWN RADIUS REF	THREAD (T) SIZE UNJF-3A	B ₁ THREAD LENGTH REF	Ød _a CLAMPING DIAMETER MINIMUM	B ₂ MINIMUM	d ₁ COTTER PIN HOLE DIAMETER	r _a 1/ FILLET MAXIMUM	r CHAMFER	RADIAL INTERNAL CLEARANCE MAXIMUM
-3	.1900	.5000	.281	10.0	.1900-32	.344	.297	.211	.070	.010	.031	.0017
-4	.2500	.6875	.281	10.0	.2500-28	.344	.359	.224	.076	.010	.031	.0017
-5	.3125	.7500	.344	10.0	.3125-24	.359	.422	.234	.076	.010	.047	.0017
-6	.3750	.8750	.469	10.0	.3750-24	.359	.500	.265	.106	.025	.047	.0017
-7	.4375	1.0000	.531	10.0	.4375-20	.422	.562	.283	.106	.025	.047	.0017
-8	.5000	1.1250	.656	10.0	.5000-20	.422	.625	.314	.106	.040	.047	.0017

1/ THE OUTER RING OD CORNERS MUST CLEAR THE MAXIMUM FILLET RADIUS GIVEN IN TABLE 1. THIS SPECIFICATION DOES NOT CONTROL THE CORNER CONTOURS.

TABLE 2

Ød BASIC STUD DIAMETER		ALLOWABLE DEVIATION FROM Ød OF SINGLE MEAN DIAMETER d		ALLOWABLE DEVIATION FROM COTTER PIN DIAMETER d ₁		ØD BASIC OUTSIDE DIAMETER		ALLOWABLE DEVIATION FROM ØD OF SINGLE MEAN DIAMETER D		ALLOWABLE DEVIATION FROM OUTER RING WIDTH C	
OVER	INCL	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW
.1900	.5000	0	-.0015	+0.010	0	.5000	1.1250	+0.010	-.0005	0	-.005


TABLE 3

FIRST DASH NO.	LOAD RATING AS A TRACK ROLLER POUNDS	LIMIT LOAD RATING POUNDS	TRACK CAPACITY 40 HRC STEEL POUNDS	WEIGHT (APPROXIMATELY) POUNDS
-3	395	790	385	.014 + (GRIP LENGTH X.0005)
-4	470	940	525	.031 + (GRIP LENGTH X.0009)
-5	830	1660	725	.043 + (GRIP LENGTH X.0014)
-6	1360	2720	1100	.081 + (GRIP LENGTH X.0020)
-7	1930	3860	1425	.125 + (GRIP LENGTH X.0026)
-8	3040	6030	1975	.190 + (GRIP LENGTH X.0035)

TABLE 4

FIRST DASH NO.	SCREW DRIVER SLOT			INSTALLATION TORQUE IN-LB MAXIMUM 2/
	LENGTH MINIMUM	WIDTH MINIMUM	DEPTH MINIMUM	
-3	.220	.040	.035	8
-4				20
-5	.340	.055	.045	40
-6				55
-7				155
-8				205

2/ INSTALLATION TORQUE LUBRICATED THREADS.

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