

FED. SUPPLY CLASS

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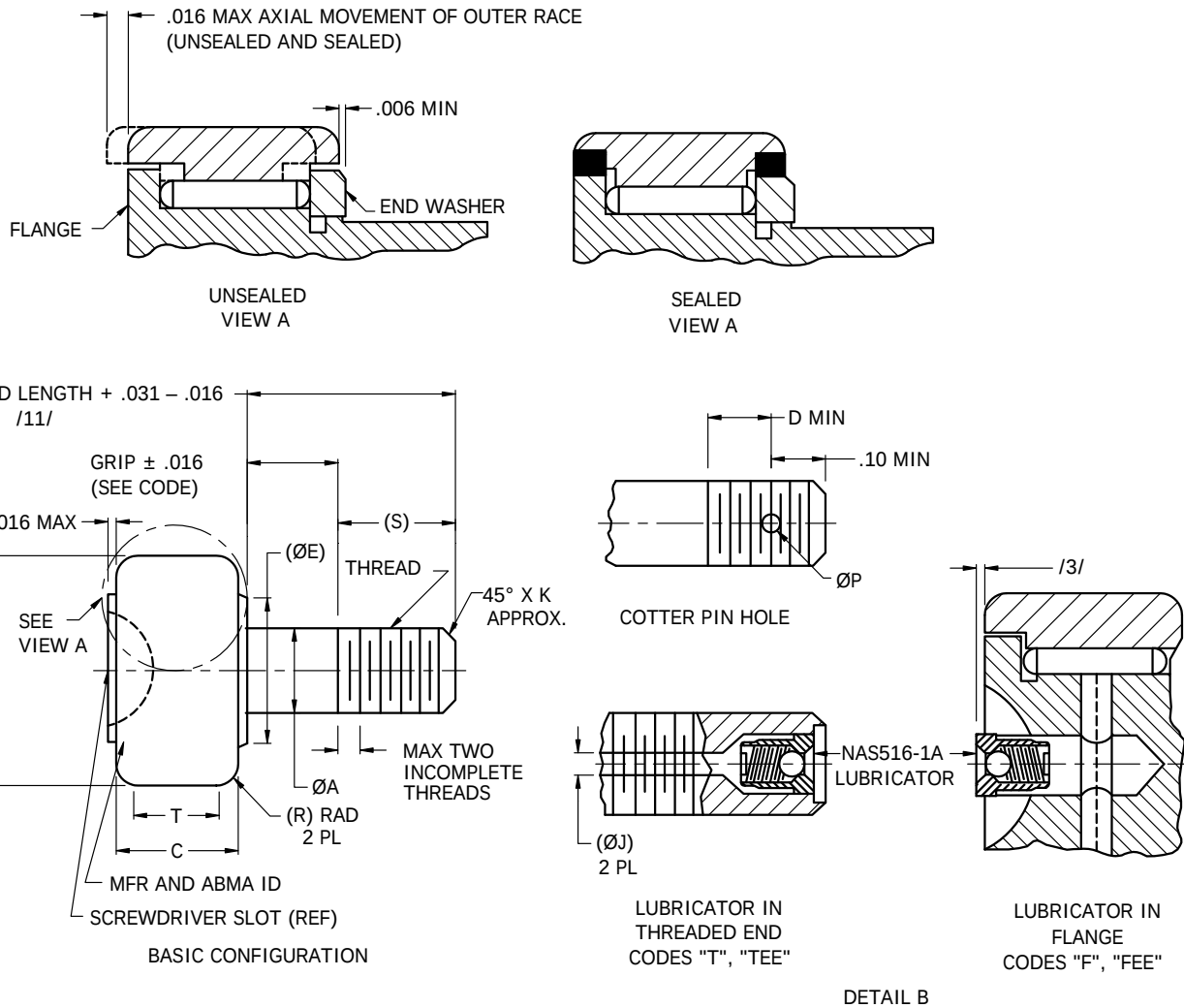


FIGURE 1 – CAM FOLLOWER NEEDLE BEARING

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

REVISION DATE: JANUARY 30, 2015

ISSUE DATE: MARCH 1955

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 9
PROCUREMENT SPECIFICATION NONE	TITLE CAM FOLLOWER NEEDLE BEARING, HIGH STRENGTH STUD	CLASSIFICATION PART STANDARD



NAS562
SHEET 1 OF 5

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TABLE I – DIMENSIONS

NAS562 DASH NO.	ABMA NO /1/ /2/	ØA STUD DIA +.0000 -.0015	THREAD UNJF-3A PER AS8879	ØB OD +.0010 -.0005	C WIDTH +.000 -.005	D (MIN)	(ØE) FLANGE & WASHER OD	(ØJ)	K CHAMFER +.010 -.000	ØP +.010 -.000	(R) RAD	(S) THREAD LENGTH
3	HRS1C	.190	.1900-32	.5000	.281	.211	.390	NONE	.031	.070	.031	.344
4	HRS2C	.250	.2500-28	.6875	.281	.224	.500	.076	.031	.076	.031	.344
5	HRS3C	.312	.3125-24	.7500	.344	.234	.562	.076	.047	.076	.031	.359
6	HRS4C	.375	.3750-24	.8750	.469	.265	.687	.106	.047	.106	.046	.359
7	HRS5C	.437	.4375-20	1.0000	.531	.283	.750	.106	.047	.106	.062	.422
8	HRS6C	.500	.5000-20	1.1250	.656	.314	.812	.106	.047	.106	.062	.422
NAS562 DASH NO.	T TRACK CONTACT LENGTH MIN	STEEL TRACK 40 HRC /4/ CAPACITY LBF	CAPACITY AS A ROLLER /5/ LBF	LIMIT LOAD /6/ LBF	WEIGHT LBS MAX							
3	.230	385	395	790	.014 + GRIP LENGTH NUMBER x .0005							
4	.230	525	470	940	.031 + GRIP LENGTH NUMBER x .0009							
5	.290	725	830	1660	.043 + GRIP LENGTH NUMBER x .0014							
6	.380	1100	1360	2720	.081 + GRIP LENGTH NUMBER x .0020							
7	.430	1425	1930	3860	.125 + GRIP LENGTH NUMBER x .0026							
8	.530	1975	3040	6080	.190 + GRIP LENGTH NUMBER x .0035							

MATERIAL:

OUTER RING AND NEEDLES – 52100 STEEL (UNS G52986) PER AMS6440.
 END WASHER – STEEL HARDENED AND DRAWN TO 51-59 HRC.
 STUD – 52100 STEEL (UNS G52986) PER AMS6440, OR 8620 (UNS G86200) PER AMS6274.
 SEALS – ACETAL RESIN, NYLON, OR EQUIVALENT. CONSTRUCTION OPTIONAL.

HEAT TREATMENT:

RACEWAY – HEAT TREATED TO 60 HRC MINIMUM.
 CORE AND STUD LENGTH – HEAT TREATED TO 36-44 HRC.

FINISH:

OUTER RING OD AND SIDES CHROME PLATED IN ACCORDANCE WITH AMS2460, CLASS 2, EXCEPT THICKNESS TO BE .0004 TO .0007 INCH. EXPOSED SURFACES OF OTHER PARTS AS MOUNTED, CADMIUM PLATED IN ACCORDANCE WITH AMS-QQ-P-416, TYPE I, CLASS 2, INCLUDING THE UNTHREADED PORTION OF THE STUD ~~121~~.

REVISION

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