

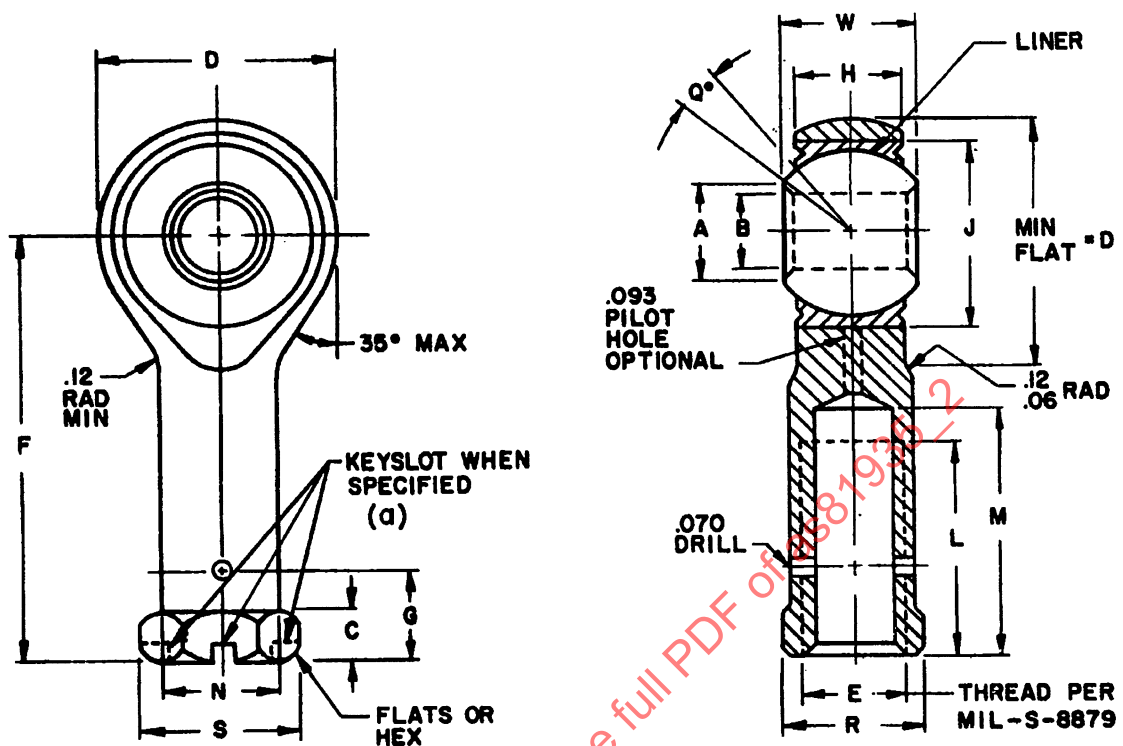
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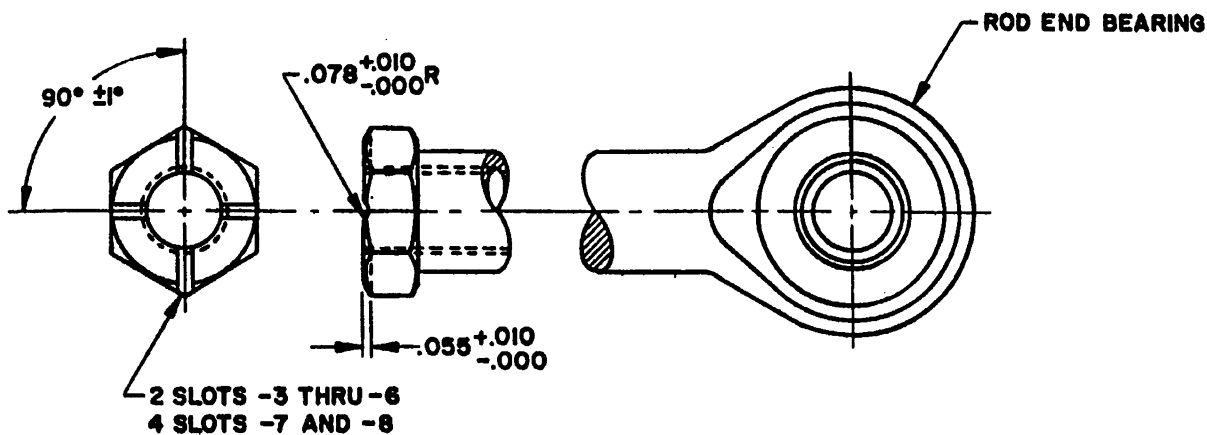
AS81935/2	Submitted for recognition as an American National Standard		FEDERAL SUPPLY CLASS 3120							
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PREPARED BY AIRFRAME CONTROL BEARINGS GROUP (ACBG) <table border="1" style="width: 100%;"> <tr> <td rowspan="2">  SAE The Engineering Society For Advancing Mobility Land Sea Air and Space® 400 Commonwealth Drive, Warrendale, PA 15096-0001 </td> <td style="text-align: center;"> AEROSPACE STANDARD BEARING, PLAIN, ROD END, SELF-ALIGNING, SELF-LUBRICATING, WIDE, INTERNALLY THREADED, -65°F TO +325°F </td> <td style="text-align: center;"> AS81935/2 SHEET 1 OF 6 </td> <td></td> </tr> <tr> <td colspan="3"></td> </tr> </table>				 SAE The Engineering Society For Advancing Mobility Land Sea Air and Space® 400 Commonwealth Drive, Warrendale, PA 15096-0001	AEROSPACE STANDARD BEARING, PLAIN, ROD END, SELF-ALIGNING, SELF-LUBRICATING, WIDE, INTERNALLY THREADED, -65°F TO +325°F	AS81935/2 SHEET 1 OF 6				
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ISSUED 1998-03

THE REQUIREMENTS FOR ACQUIRING THE BEARINGS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF MIL-B-81935.



- (a) FOR -3 THRU -6, THE KEYSLOT SHALL BE ORIENTED PERPENDICULAR TO THE PLANE MADE BY THE FACE OF THE ROD END HOOP (SEE PAGE 3 FOR ADDITIONAL DETAILS).

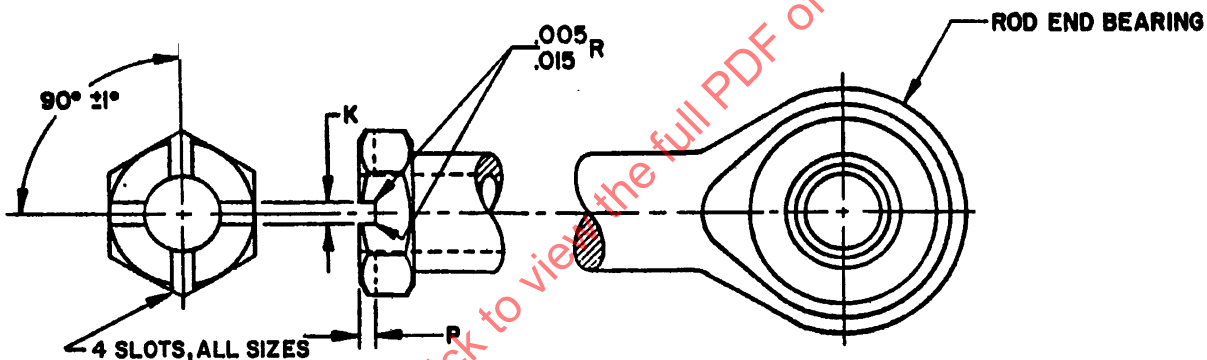


KEYSLOT DESIGNATION "K."

SIZES -3 THRU -8 (ROUNDED SLOT).

KEYSLOT, WHEN SPECIFIED, IS COMPATIBLE WITH MIL-B-81935/3 LOCKING DEVICE.

2 SLOTS SHALL BE ORIENTED PERPENDICULAR TO ROD END HOOP FACE.



KEYSLOT DESIGNATION "K."

SIZES -10 THRU -16 (SQUARE SLOT).

KEYSLOT, WHEN SPECIFIED, IS COMPATIBLE WITH MS14227, NAS 513 AND NAS 1193.

2 SLOTS SHALL BE ORIENTED PERPENDICULAR TO ROD END HOOP FACE.

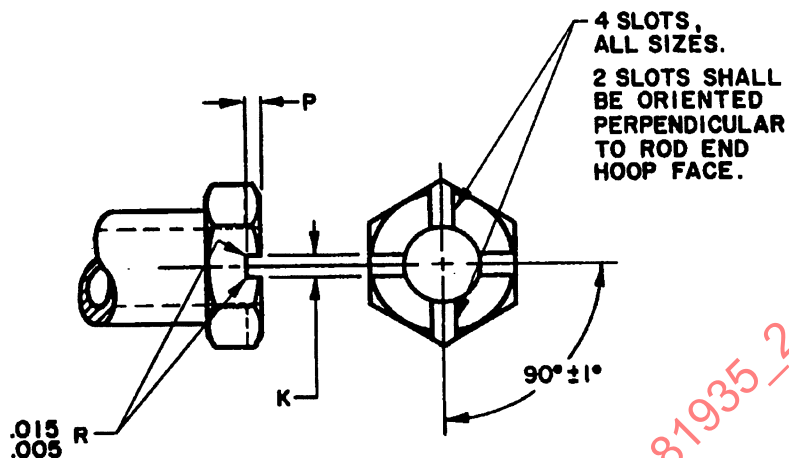
DASH NO. (REF)	K +.005 -.000	P +.005 -.000
-10	.125	.077
-12	.125	.077
-14	.156	.086
-16	.187	.116

KEYSLOT DESIGNATION "W" (DEEP SQUARE SLOT).

SIZES -3 THRU -16

KEYSLOT, WHEN SPECIFIED IS COMPATIBLE WITH MS 14198, MS 14227, NAS 1193, NAS 513 AND NAS 559.

NOTE: DESIGN USAGE RESTRICTIONS APPLY AGAINST NAS 513 AND NAS 559.



DASH NO.	TERMINAL THREAD	$\begin{matrix} +.005 \\ -.000 \end{matrix}$	$\begin{matrix} P \\ +.005 \\ -.000 \end{matrix}$
3 & 4	5/16 - 24UNJF-3A	.062	.110
5 & 6	3/8 - 24UNJF-3A	.093	.110
7	7/16 - 20UNJF-3A	.093	.110
8	1/2 - 20UNJF-3A	.093	.110
10	5/8 - 18UNJF-3A	.125	.110
12	3/4 - 16UNJF-3A	.125	.110
14	7/8 - 14UNJF-3A	.156	.110
16	1-1/4 - 12UNJF-3A	.187	.116

TABLE I. DIMENSIONS.

DASH NO.	B BORE +.0000 -.0005	D OUTSIDE DIA ±.010	L COMPLETED THREAD MIN	E THREAD SIZE UNJF-3B	F CTR LINE BALL TO END ±.010	G CTR LINE DRILL TO END ±.020	N SHANK DIA ±.010	W BALL WIDTH +.000 -.002	H BODY WIDTH ±.005	A MIN	J MAX HOUSING I.D.	M MAX	C HT OF WRENCHING SURFACES +.010 -.062	R WIDTH ACROSS FLATS +.002 -.010	Q MIN	S REF. ACROSS CORNERS OR DIA.
-3	.1900	.806	.750	.3125-24	1.375	.375	.422	.437	.337	.30	.6250	.875	.188	.437	15	.500
-4	.2500	.900	.875	.3750-24	1.469	.437	.485	.500	.327	.36	.6875	1.000	.250	.500	14	.580
-5	.3125	1.025	1.000	.4375-20	1.625	.500	.547	.562	.416	.47	.8125	1.125	.375	.562	8	.660
-6	.3750	1.150	1.125	.5000-20	1.812	.562	.610	.625	.452	.54	.9062	1.250	.500	.625	10	.720
-7	.4375	1.337	1.250	.6250-18	2.000	.687	.735	.750	.515	.61	1.0000	1.375	.625	.750	9	.880
-8	.5000	1.525	1.375	.7500-16	2.250	.735	.860	.875	.577	.75	1.1875	1.500	.750	.875	12	1.020
-10	.6250	1.775	1.625	.8750-14	2.500	.812	.985	.937	.640	.85	1.3750	1.750	.875	1.000	13	1.160
-12	.7500	2.025	1.875	1.2500-12	2.875	.937	1.110	1.015	.765	1.00	1.6250	2.062	.500	1.125	6	1.300
-14	.8750	2.125	2.125		3.375	1.312	1.688	1.375	1.015	1.27	2.1250	2.312	.563	1.750	12	2.020
-16	1.0000				4.125											