

AS81935/2

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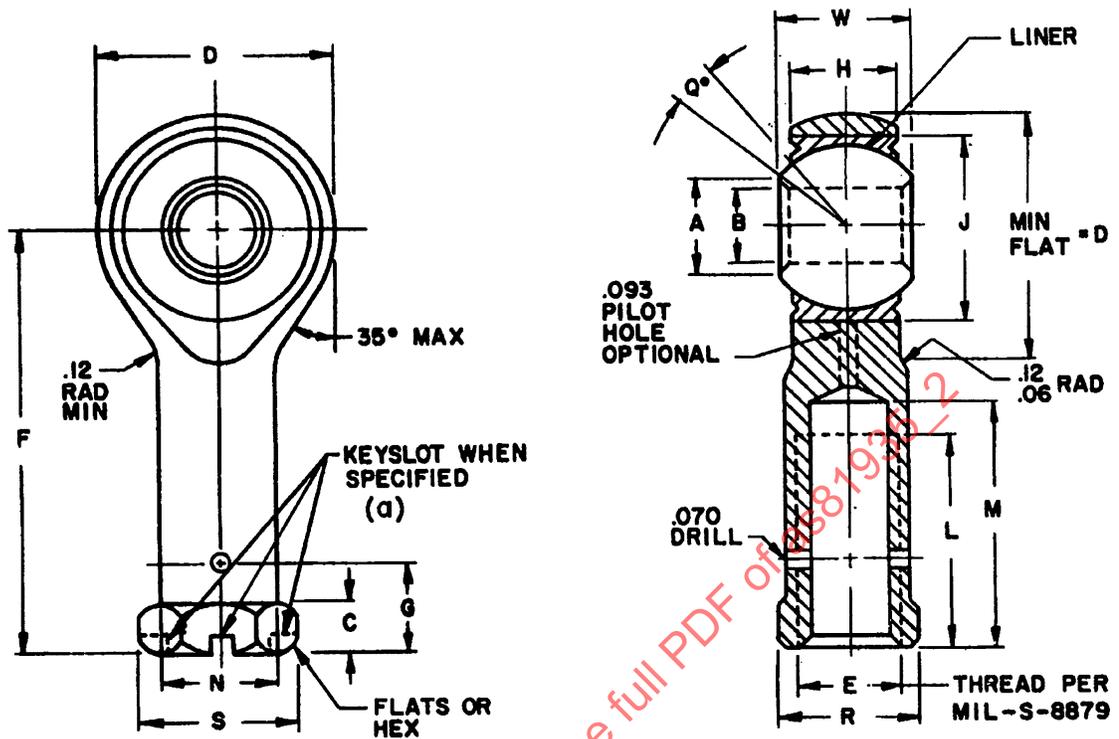
AEROSPACE STANDARD

BEARING, PLAIN, ROD END, SELF-ALIGNING,
SELF-LUBRICATING, WIDE, INTERNALLY THREADED,
-65°F TO +325°F

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SHEET 1 OF 6

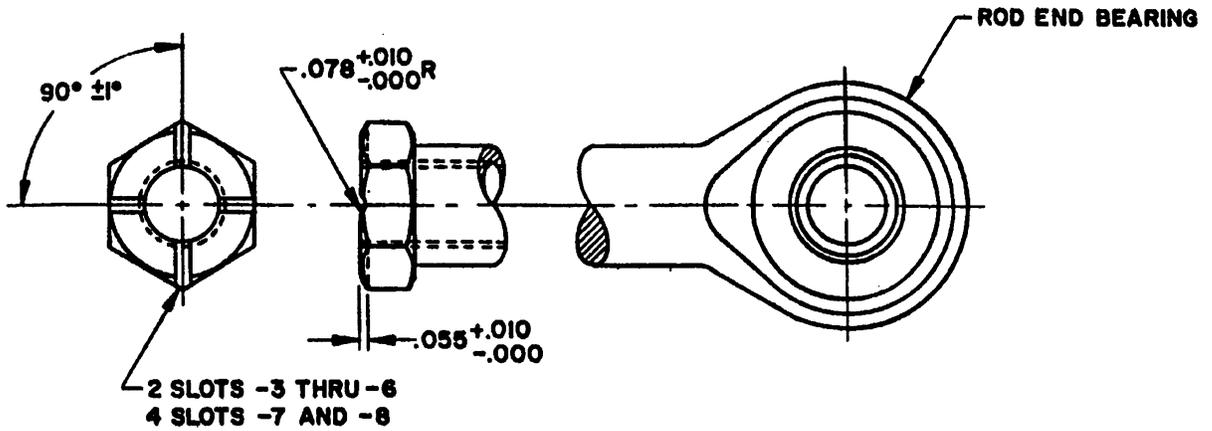
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THE REQUIREMENTS FOR ACQUIRING THE BEARINGS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF MIL-B-81935.

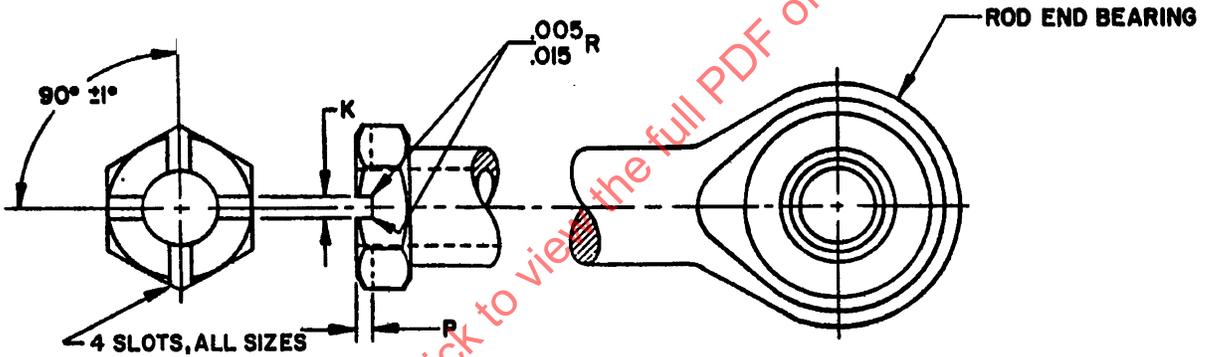


(a) FOR -3 THRU -6, THE KEYSLOT SHALL BE ORIENTED PERPENDICULAR TO THE PLANE MADE BY THE FACE OF THE ROD END HOOP (SEE PAGE 3 FOR ADDITIONAL DETAILS).

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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	P
	+ .005	+ .005
	- .000	- .000
-10	.125	.077
-12	.125	.077
-14	.156	.086
-16	.187	.116

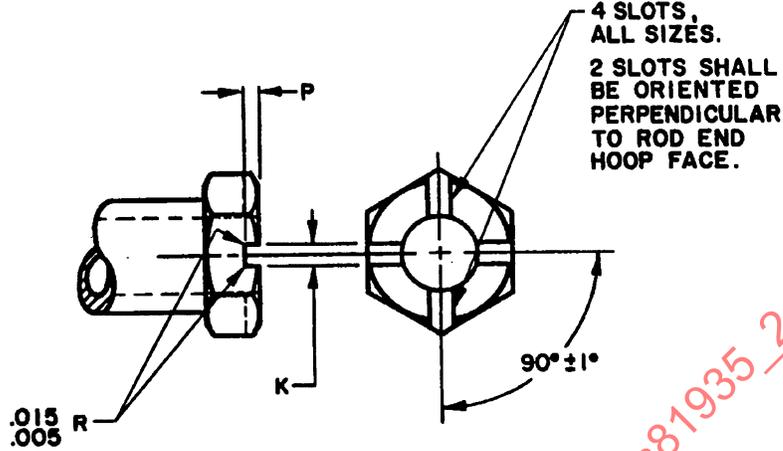
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KEYSLOT DESIGNATION "W" (DEEP SQUARE SLOT).

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	$\begin{matrix} + \\ - \end{matrix}$	P
		$\begin{matrix} +.005 \\ -.000 \end{matrix}$	$\begin{matrix} +.005 \\ -.000 \end{matrix}$
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 $\pm .010$	L COMPLETED THREAD MIN	E THREAD SIZE UNJF-3B	F CTR LINE BALL TO END $\pm .010$	G CTR LINE DRILL TO END $\pm .020$	N SHANK DIA $\pm .010$	W BALL WIDTH +.000 -.002	H BODY WIDTH $\pm .005$	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				1.469											
-5	.3125	.900	1.000	.3750-24	1.625	.437	.485	.500	.327	.36	.6875	1.000	.250	.500	14	.580
-6	.3750	1.025			1.812											
-7	.4375	1.150	1.125	.4375-20	2.000	.500	.610	.562	.452	.54	.9062	1.250	.250	.625	10	.720
-8	.5000	1.337	1.250	.5000-20	2.250	.562	.735	.625	.515	.61	1.0000	1.375		.750	9	.880
-10	.6250	1.525	1.375	.6250-18	2.500	.687	.860	.750	.577	.75	1.1875	1.500	.375	.875	12	1.020
-12	.7500	1.775	1.625	.7500-16	2.875	.812	.985	.875	.640	.85	1.3750	1.750		1.000	13	1.160
-14	.8750	2.025	1.875	.8750-14	3.375	.937	1.110	.875	.765	1.00	1.6250	2.062	.500	1.125	6	1.300
-16	1.0000	2.775	2.125	1.2500-12	4.125	1.312	1.688	1.375	1.015	1.27	2.1250	2.312	.563	1.750	12	2.020