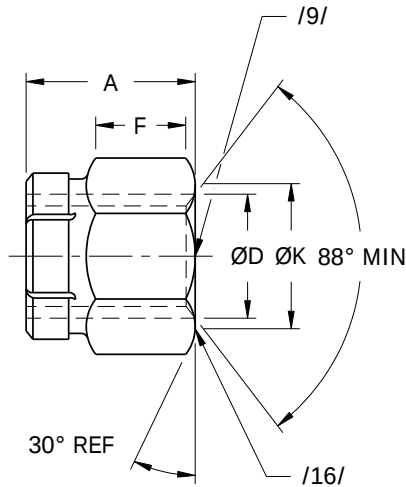
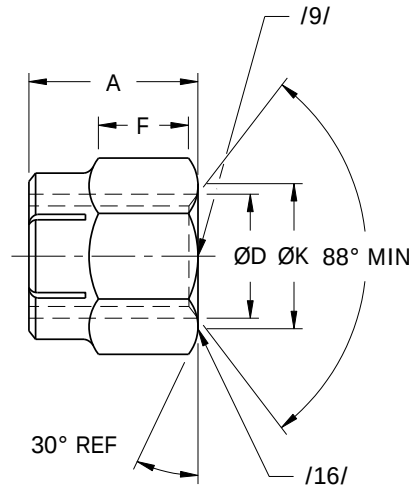


FED. SUPPLY CLASS

5310

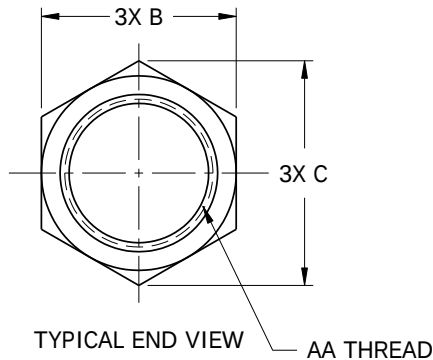


SEGMENTED
BEAM LOCK
STYLE A



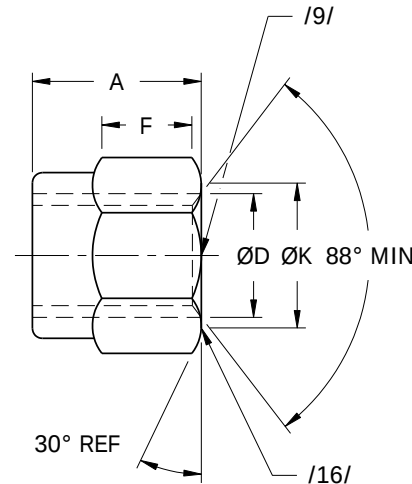
SEGMENTED
BEAM LOCK
STYLE B

SEGMENTED BEAM LOCK /15//16/



TYPICAL END VIEW

AA THREAD



DEFORMED LOCK /14/

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REVISION DATE.

ISSUE DATE: AUGUST 31, 2018

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION NEW
PROCUREMENT SPECIFICATION NASM25027	TITLE NUT, SELF-LOCKING, ALLOY STEEL AND CRES, ALL METAL, HEX AND HEAVY HEX, 800 °F	CLASSIFICATION PART STANDARD NAS9929 SHEET 1 OF 7

TABLE I – DIMENSIONS, HEX

AA NOMINAL THREAD SIZE	A		B /6/		C	ØD	F	BEARING SURFACE REQUIREMENTS /5/	ØK
	MAX	MIN	MAX	MIN	MIN	± 0.020	MIN		MIN
.2500	.328	.240	.439	.430	.482	.273	.116	.005	.410
.3125	.360	.271	.502	.492	.552	.336	.123	.006	.472
.3750	.469	.318	.564	.553	.622	.398	.153	.006	.533
.4375	.469	.435	.690	.679	.766	.467	.178	.007	.659
.5000	.610	.575	.752	.741	.837	.531	.221	.007	.721
.6250	.766	.732	.940	.928	1.051	.656	.274	.008	.908
.7500	.891	.855	1.064	1.052	1.191	.787	.316	.009	1.032
.8750	1.016	.965	1.252	1.239	1.403	.918	.570	.010	1.219
1.0000	1.141	1.010	1.440	1.427	1.615	1.044	.635	.011	1.407
1.1250	1.266	1.130	1.627	1.614	1.826	1.171	.710	.012	1.594
1.2500	1.454	1.300	1.814	1.801	2.038	1.295	.795	.013	1.781
1.3750	1.609	1.547	2.008	1.973	2.232	1.447	.890	.015	1.953
1.5000	1.640	1.578	2.197	2.159	2.444	1.568	.980	.016	2.139

TABLE II – DIMENSIONS, HEAVY HEX /21/

AA NOMINAL THREAD SIZE	A		B /6/		C	ØD	F	BEARING SURFACE REQUIREMENTS /5/	ØK
	MAX	MIN	MAX	MIN	MIN	± 0.020	MIN		MIN
.2500	.390	.360	.504	.492	.552	.273	.148	.005	.472
.3125	.453	.423	.566	.553	.622	.336	.166	.006	.533
.3750	.562	.532	.692	.679	.766	.398	.204	.006	.659
.4375	.625	.585	.781	.731	.867	.467	.219	.007	.711
.5000	.718	.688	.880	.865	.978	.531	.260	.007	.845
.6250	.874	.844	1.068	1.052	1.191	.656	.308	.008	1.032
.7500	1.015	.985	1.257	1.239	1.403	.787	.372	.009	1.219
.8750	1.140	1.110	1.446	1.427	1.615	.918	.428	.010	1.407
1.0000	1.312	1.250	1.634	1.614	1.826	1.044	.484	.011	1.594
1.1250	1.469	1.407	1.822	1.801	2.038	1.171	.540	.012	1.781
1.2500	1.672	1.610	2.011	1.973	2.232	1.295	.592	.013	1.953
1.3750	1.828	1.766	2.200	2.159	2.444	1.447	.648	.015	2.139
1.5000	1.953	1.891	2.388	2.344	2.622	1.568	.703	.016	2.324
1.6250	2.050	2.010	2.563	2.513	2.845	1.670	.754	.017	2.493
1.7500	2.276	2.250	2.766	2.715	3.075	1.818	.815	.018	2.695
1.8750	2.350	2.310	2.938	2.888	3.261	1.920	.866	.019	2.868
2.0000	2.469	2.343	3.142	3.086	3.497	2.065	.926	.020	3.066
2.2500	2.876	2.780	3.518	3.457	3.918	2.328	1.037	.020	3.437
2.5000	3.204	3.078	4.020	3.875	4.393	2.578	1.163	.020	3.855

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TABLE III – PROOF LOADS ^{/19/}

AA NOMINAL THREAD SIZE ^{/7/}	STRESS AREA (A _s) SQUARE INCHES	ALLOY STEEL		CRES SERIES 300		CRES A286	
		HEX	HEAVY HEX	HEX	HEAVY HEX	HEX	HEAVY HEX
		LBF MINIMUM	LBF MINIMUM	LBF MINIMUM	LBF MINIMUM	LBF MINIMUM	LBF MINIMUM
.2500-20 UNJC-3B	.0318	4,800	5,600	3,200	3,500	4,000	4,400
.3125-18 UNJC-3B	.0524	7,900	9,200	5,200	5,800	6,600	7,200
.3750-16 UNJC-3B	.0775	11,600	13,600	7,800	8,500	9,700	10,700
.4375-14 UNJC-3B	.1154	17,300	20,200	11,500	12,700	14,400	15,900
.5000-13 UNJC-3B	.1419	21,300	24,800	14,200	15,600	17,700	19,500
.6250-11 UNJC-3B	.2260	33,900	39,600	22,600	24,900	28,300	31,100
.7500-10 UNJC-3B	.3345	50,000	58,500	28,400	31,300	41,800	46,000
.8750-9 UNJC-3B	.4617	69,500	81,000	39,200	43,200	57,500	63,500
1.0000-8 UNJC-3B	.6057	91,000	106,000	51,500	56,500	75,500	83,500
1.1250-7 UNJC-3B	.7633	114,000	134,000	65,000	71,500	95,500	105,000
1.1250-8 UNJ-3B	.7905	119,000	138,000	67,000	74,000	99,000	109,000
1.2500-7 UNJC-3B	.9691	145,000	170,000	82,500	90,500	121,000	133,000
1.2500-8 UNJ-3B	.9997	150,000	175,000	85,000	93,500	125,000	137,000
1.3750-6 UNJC-3B	1.1549	173,000	202,000	98,000	108,000	144,000	159,000
1.3750-8 UNJ-3B	1.2335	185,000	216,000	105,000	115,000	154,000	170,000
1.5000-6 UNJC-3B	1.4053	211,000	246,000	119,000	131,000	176,000	193,000
1.5000-8 UNJ-3B	1.4918	224,000	261,000	127,000	139,000	186,000	205,000
1.6250-8 UNJ-3B	1.7747	-	311,000	-	166,000	-	244,000
1.7500-5 UNJC-3B	1.8995	-	332,000	-	178,000	-	261,000
1.7500-8 UNJ-3B	2.0822	-	364,000	-	195,000	-	286,000
1.8750-8 UNJ-3B	2.4141	-	422,000	-	226,000	-	332,000
2.0000-4.5 UNJC-3B	2.4982	-	437,000	-	234,000	-	344,000
2.0000-8 UNJ-3B	2.7706	-	485,000	-	259,000	-	381,000
2.2500-4.5 UNJC-3B	3.2477	-	568,000	-	304,000	-	447,000
2.2500-8 UNJ-3B	3.5573	-	623,000	-	333,000	-	489,000
2.5000-4 UNJC-3B	3.9988	-	700,000	-	374,000	-	550,000
2.5000-8 UNJ-3B	4.4421	-	777,000	-	415,000	-	610,000

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