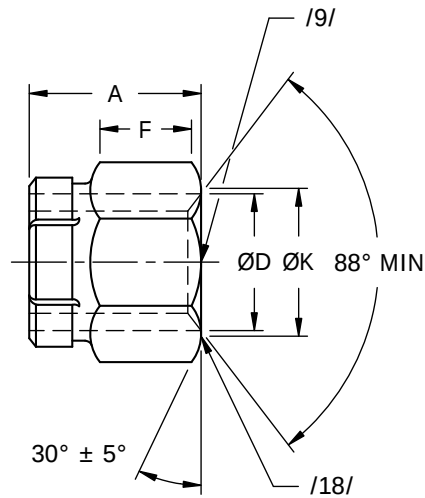
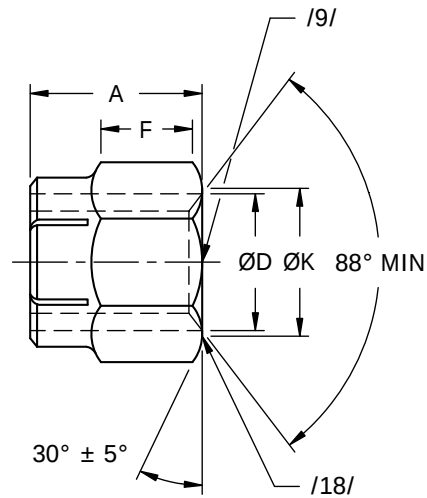


FED. SUPPLY CLASS

5310

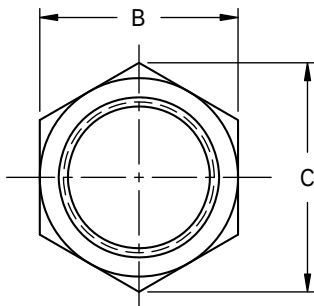


SEGMENTED
BEAM LOCK
STYLE A

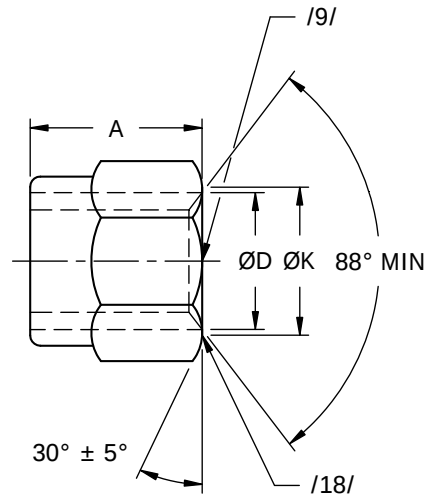


SEGMENTED
BEAM LOCK
STYLE B

SEGMENTED BEAM LOCK /16//17/



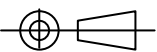
TYPICAL END VIEW



ELLIPTICAL LOCK /16/

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THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

3

PROCUREMENT
SPECIFICATION

NASM25027

TITLE

**NUT, SELF-LOCKING, HEXAGON,
REGULAR HEIGHT, 450 °F, 125 KSI FtU**

CLASSIFICATION
PART STANDARD

NASM21045

SHEET 1 OF 5



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TABLE I – DIMENSIONS AND TOLERANCES

DASH NUMBERS			AS8879 THREAD /13/	A		B /15/		C MIN	ØD ±.020	F MIN	BEARING SURFACE SQUARENESS /14/	AXIAL STRENGTH LBF MIN	WEIGHT LBS/100 REF	ØK MIN
STEEL		CRES												
NON DRY LUBE	DRY LUBE				MAX	MIN	MAX	MIN						
-04	L04	C04	.1120-40 UNJC-3B	.167	.133	.251	.243	.268	.136	.044	.004	750	.16	.223
-06	L06	C06	.1380-32 UNJC-3B	.188	.160	.313	.305	.339	.161	.072	.004	1,130	.30	.285
-08	L08	C08	.1640-32 UNJC-3B	.250	.219	.345	.336	.374	.188	.091	.004	1,720	.50	.316
-3	L3	C3	.1900-32 UNJF-3B	.250	.208	.376	.367	.410	.210	.085	.004	2,460	.58	.347
-4	L4	C4	.2500-28 UNJF-3B	.328	.240	.439	.430	.482	.273	.116	.005	4,580	.99	.410
-5	L5	C5	.3125-24 UNJF-3B	.360	.271	.502	.492	.552	.336	.123	.006	7,390	1.40	.472
-6	L6	C6	.3750-24 UNJF-3B	.469	.318	.564	.553	.622	.390	.153	.006	11,450	2.15	.533
-7	L7	C7	.4375-20 UNJF-3B	.469	.435	.690	.679	.766	.467	.178	.007	16,450	3.40	.669
-8	L8	C8	.5000-20 UNJF-3B	.610	.575	.752	.741	.837	.531	.221	.007	21,110	4.70	.721
-9	L9	C9	.5625-18 UNJF-3B	.704	.623	.877	.865	.978	.594	.243	.008	26,810	7.80	.845
-10	L10	C10	.6250-18 UNJF-3B	.766	.732	.940	.928	1.051	.656	.274	.008	34,130	9.50	.908
-12	L12	C12	.7500-16 UNJF-3B	.891	.855	1.064	1.052	1.191	.787	.316	.009	50,020	13.60	1.032
-14	L14	C14	.8750-14 UNJF-3B	1.016	.965	1.252	1.239	1.403	.918	.570	.010	68,440	21.00	1.219
-16	L16	C16	1.0000-12 UNJF-3B	1.141	1.010	1.440	1.427	1.615	1.044	.635	.011	92,180	31.00	1.407
-18	L18	C18	1.1250-12 UNJF-3B	1.266	1.130	1.627	1.614	1.826	1.171	.710	.012	116,700	46.00	1.594
-20	L20	C20	1.2500-12 UNJF-3B	1.454	1.300	1.814	1.801	2.038	1.295	.795	.013	147,940	65.00	1.781

MATERIAL: ③ ALLOY STEEL GRADE 4037 (UNS G40370) PER AMS6300, ASTM A 108, A 322, A 519, OR A 547
 ALLOY STEEL GRADE 8740 (UNS G87400) PER AMS6322
 CARBON STEEL GRADE 1008 (UNS G10080) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 1010 (UNS G10100) PER AMS5050
 CARBON STEEL GRADE 1015 (UNS G10150) PER AMS5060
 CARBON STEEL GRADE 1018 (UNS G10180) PER AMS5069
 CARBON STEEL GRADE 1021 (UNS G10210) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 1022 (UNS G10220) PER AMS5070
 CARBON STEEL GRADE 1030 (UNS G10300) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 1035 (UNS G10350) PER AMS5080
 CARBON STEEL GRADE 1046 (UNS G10460) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 1110 (UNS G11100) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 1117 (UNS G11170) PER AMS5022
 CARBON STEEL GRADE 1118 (UNS G11180) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 1137 (UNS G11370) PER AMS5024
 CARBON STEEL GRADE 11L37 (UNS G11374) PER AMS5020
 CARBON STEEL GRADE 1213 (UNS G12130) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 12L14 (UNS G12144) PER ASTM A 29/A 29M
 CARBON STEEL GRADE 15B21H (UNS H15211) PER SAE J1268
 CORROSION RESISTANT STEEL 303 (UNS S30300) PER AMS5640
 CORROSION RESISTANT STEEL TYPE XM-7 OR 18-9LW (UNS S30430) PER ASTM A493
 CORROSION RESISTANT STEEL XM21 (UNS S30452) PER ASTM A 276
 CORROSION RESISTANT STEEL 304L (UNS S30403) PER AMS5647
 CORROSION RESISTANT STEEL A286 (UNS S66286) CONFORMING TO THE CHEMISTRY OF AMS5732 OR AMS5737
 CORROSION RESISTANT STEEL 305 (UNS S30500) PER AMS5686

REVISION

3

NASM21045

SHEET 2



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