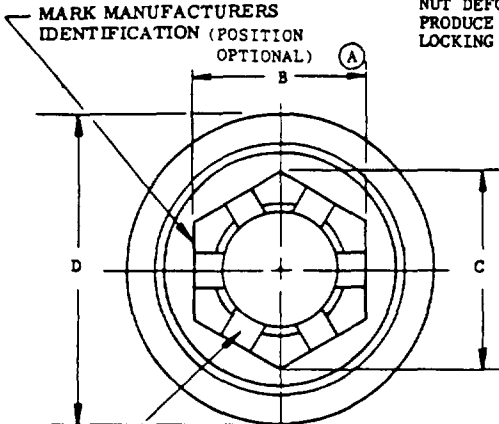
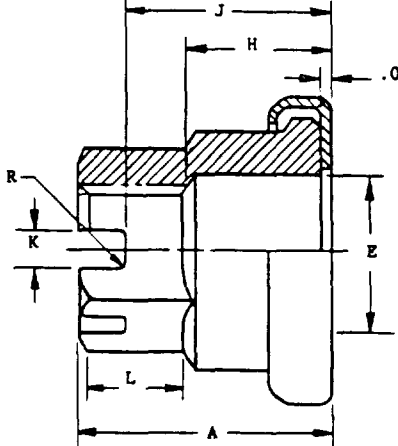


USER SYMBOLS:

REVIEWER SYMBOLS:

"Notation/user information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current DD0155."

AMSC N/A
DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
This military standard is approved for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

MARK MANUFACTURERS IDENTIFICATION (POSITION OPTIONAL)		UPPER PORTION OF NUT DEFORMED TO PRODUCE SELF-LOCKING ACTION		FED. SUP CLASS 5310											
															
SIZE DASH NO.	(a) THREAD	A		B	C	D	(b)(c) E		H	J	K	L			
		MAX	MIN	MAX	MIN	MIN	± .015	DIA		MAX	MIN	MAX	MIN	± .015	MIN
-3	.1900-32UNJF-3B	.374	.344	.252	.243	.277	.475	.240	.230	.161	.141	.279	.259	.065	.110
-4	.2500-28UNJF-3B	.405	.375	.316	.306	.347	.545	.309	.299	.192	.172	.316	.296	.085	.125
-5	.3125-24UNJF-3B	.436	.406	.378	.367	.419	.625	.395	.385	.223	.203	.347	.327		.130
-6	.3750-24UNJF-3B	.482	.452	.440	.430	.491	.695	.460	.450	.238	.218	.378	.358		.130
-7	.4375-20UNJF-3B	.513	.483	.504	.494	.562	.770	.529	.519	.269	.249	.409	.389	.140	.130
-8	.5000-20UNJF-3B	.576	.546	.566	.556	.633	.910	.614	.604	.301	.281	.472	.452		.150
-9	.5625-18UNJF-3B	.670	.640	.692	.680	.775	1.065	.686	.676	.332	.312	.550	.530		.165
-10	.6250-18UNJF-3B	.819	.789	.755	.743	.846	1.128	.758	.748	.406	.386	.633	.613		.185
-12	.7500-16UNJF-3B	.951	.921	.880	.868	.987	1.268	.915	.905	.450	.430	.765	.745	.171	.220
-14	.8750-14UNJF-3B	1.058	1.028	1.005	.993	1.130	1.480	1.065	1.055	.495	.475	.871	.851		.288
-16	1.0000-12UNJF-3B	1.202	1.162	1.130	1.118	1.272	1.692	1.215	1.205	.544	.524	.984	.964		.333
<p>(a) THREADS PER MIL-S-8879 (b) CONCENTRICITY: "E" DIAMETER TO BE CONCENTRIC TO THREAD P.D. WITHIN .005-TIR (c) WASHER I.D. MAY BE .005 LESS THAN "E" MIN.</p>															
SIZE DASH NO.	R MAX	ULTIMATE TENSILE STRENGTH LB, MIN		MAX WEIGHT LB/100											
-3	.035	1.230		.62											
-4		2.290		.81											
-5		3.700		1.00											
-6		5.720		1.30											
-7		7.720		1.60											
-8	.053	10.550		2.50											
-9		13.400		4.40											
-10		17.060		5.60											
-12		25.010		7.20											
-14		34.220		11.00											
-16	.062	45.000		14.00											
<p>FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.</p>															
(A) DENOTES CHANGES															
P.A. NAVY - AS Other Cust		TITLE													
USAF - 99 ARMY - AV		NUT, SELF-LOCKING, CASTELLATED, HEXAGON, C'BORED, CAPTIVE WASHER, 450° F													
PROCUREMENT SPECIFICATION *MIL-N-25027		SUPERSEDES													
		MILITARY STANDARD MS14146													
		SHEET 1 OF 2													

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT NO. 5310-1298

PLATE NO 23065

APPROVED 7 DEC 73 REVISED (A) 30 NOV 88

FED. SUP CLASS
5310

NOTES:

- (A) 1. MATERIAL: NUT - STEEL UNS G10420 (AISI C1042)
WASHER - CRES UNS S30200 (AISI 302) PER AMS 5515, 5516, 5636, 5637, 5688
UNS S32100 (AISI 321) PER AMS 5510, 5557, 5559, 5570, 5645, 5689
2. PROTECTIVE TREATMENT: NUT-CADMIUM PLATE PER QQ-P-416,
PLUS MOLYBDENUM DISULFIDE DRY FILM
LUBRICANT, PLATING TYPE AND CLASS OPTIONAL
IF THE NUTS MEET SALT SPRAY REQUIREMENT OF
QQ-P-416, TYPE II
WASHER - PASSIVATE IN ACCORDANCE WITH QQ-P-35.
3. THREADED ELEMENT SHALL ROTATE FREELY IN AND AGAINST THE WASHER.
4. BREAK ALL SHARP EDGES AND REMOVE BURRS AND SLIVERS.
5. SURFACE TEXTURE IN ACCORDANCE WITH ANSI B46.1 SHALL NOT EXCEED
125 MICRO INCHES.
6. DIMENSIONS IN INCHES.
7. THESE NUTS ARE FOR USE WITH SELF-RETAINING SHEAR BOLTS AND MAY BE USED AT
TEMPERATURE 450°F AND BELOW. FOR DESIGN USAGE LIMITATIONS SEE MS33602.
NUTS ARE TO BE INSTALLED IN ACCORDANCE WITH MS33540.
- * 8. PERFORMANCE: PER MIL-N-25027, EXCEPT NUTS SHALL MEET THE LOCKING
TORQUE REQUIREMENTS OF MIL-N-25027 FOR 5 CYCLES AT
ROOM TEMPERATURE AND AFTER BAKE AT 450°F WHEN TESTED
ON BOLTS OR STUDS CROSS DRILLED IN THREADS PER NAS 1103
SERIES.

EXAMPLE OF PART NUMBER.

MS14146-4 = .2500-28 NUT, CADMIUM PLATED WITH CRES, CAPTIVE WASHER.

9. QUALIFIED PRODUCTS: ONLY NUTS FOR WHICH THERE ARE QUALIFIED PRODUCTS
LISTED ON QPL 25027 SHALL BE USED FOR DESIGN.

- (A) BIDS SHALL BE SOLICITED ONLY FROM THE MANUFACTURERS OR DISTRIBUTORS LISTED ON QPL-25027.

P. A. NAVY - AS Other Cust USAF - 99 ARMY - AV	TITLE NUT, SELF-LOCKING, CASTELLATED, HEXAGON. C'BORED. CAPTIVE WASHER. 450 F	MILITARY STANDARD MS14146
PROCUREMENT SPECIFICATION * MIL-N-25027	SUPERSEDES	SHEET 2 OF 2

DD FORM 672-1 (Coordinated)
MAR 72

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PLATE NO 23085

"Review/revise information is current as of the date of this document.
 For future coordination of changes to this document, draft circulation
 should be based on the information in the current DODISS."

AMSC N/A
 DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE. DISTRIBUTION IS UNLIMITED.
 This military standard is approved for use by all Departments &
 Agencies of the Department of Defense. Selection for all new
 engineering and design applications and for repetitive use shall be
 made from this document.

USER SYMBOLS:

REVIEWER SYMBOLS:

APPROVED 7 DEC 73
 REVISED (A) FOR CHANGES SEE SHEET 2