

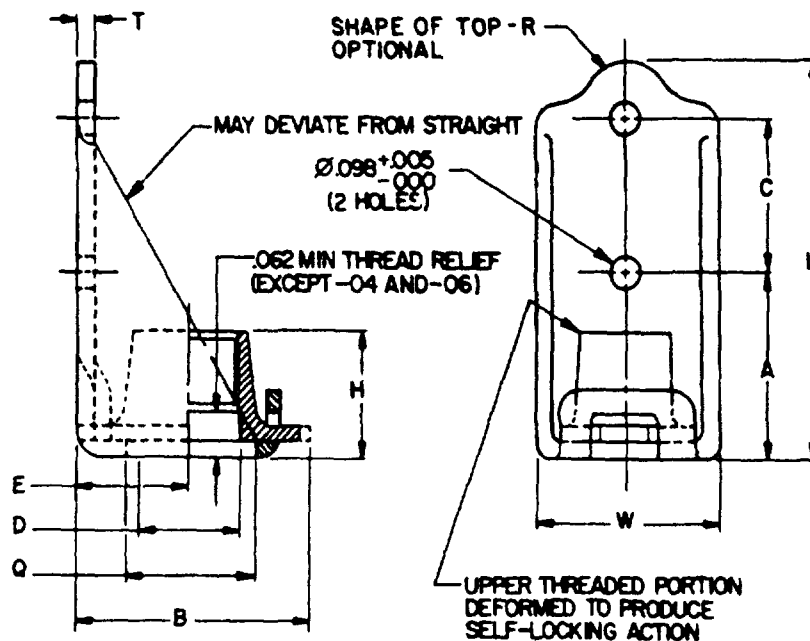
FED SUP CLASS  
5310

TABLE I

THREAD SIZE	A ± .005	B (MAX)	C ± .002	D (MIN)	E ± .005	H (MAX)	L (MAX)	Q (REF)	T + .010 - .005	W (MAX)	AXIAL STRENGTH LBS/MIN	APPROX WEIGHT LBS/100
1120-40UNC-3B	325	347	219	-	170	153	684	.180	.025	325	750	30
1380-32UNC-3B	325	347	219	-	170	170	684	.180	.025	325	1,130	32
1640-32UNC-3B	375	425	219	168	210	250	734	.230	.032	415	1,720	52
1900-32UNF-3B	375	425	219	194	210	250	734	.230	.032	415	2,460	54

TABLE II DASH NUMBERS

THREAD SIZE	DASH NUMBERS		
	STEEL		CRES
	NON DRY FILM LUBE	DRY FILM LUBE	DRY FILM LUBE
1120-40UNC-3B	N04	L04	CL04
1380-32UNC-3B	N06	L06	CL06
1640-32UNC-3B	N08	L08	CL08
1900-32UNF-3B	N3	L3	CL3

ARMY-AR	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
NAVY-AS		NUT, SELF-LOCKING, PLATE, RIGHT ANGLE	MS51552
AIR FORCE-99		FLOATING, 125 KSI F <sub>tu</sub> 450°F	
PROCUREMENT SPECIFICATION	SUPERSEDES	PAGE	OF
MIL-N-25027		1	2

UNPR ACTIVITIES  
AIR FORCE-80-84REVIEWER ACTIVITIES  
ARMY-AT, AV, CR, ER, M  
DLA-1S

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Selection for all new engineering and design applications and for repetitive use shall be made from this  
document when applicable

AMSC N/A

DD FORM 672-1 (COORDINATED)

PRELIMINARY

5310-1461

REVISED  
15 SEP 87

USER ACTIVITIES  
AIR FORCE - 80, 84

REVIEWER ACTIVITIES  
ARMY - AT, AV, CR, ER, MI  
DLA - IS

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# REQUIREMENTS

- MATERIAL** CARBON STEEL, GRADES 1035 (UNS G10350), 1040 (UNS G10400) OR 1050 (UNS G10500) IN ACCORDANCE WITH ASTM A29  
ALLOY STEEL, GRADES 4130 (UNS G41300), 4340 (UNS G43400), OR 8740 (UNS G87400) IN ACCORDANCE WITH ASTM A29  
CORROSION-RESISTANT STEEL, NUT AND BASKET, TYPE A286 (UNS S66286) IN ACCORDANCE WITH AMS 5525, AMS 5732, AMS 5737, OR BASKET TYPE 321 (UNS S32100), IN ACCORDANCE WITH AMS 5510
- PROTECTIVE COATING AND SURFACE TREATMENT** STEEL NUTS, CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE 11, CLASS 2 CRES NUTS SHALL BE CLEANED, DESCALED AND PASSIVATED IN ACCORDANCE WITH ASTM A380
- HARDNESS** 49 HRC, MAX
- LUBRICANT** MOLYBDENUM DISULFIDE DRY FILM LUBRICANT IN ACCORDANCE WITH MIL-N-25027 OTHER LUBRICANTS SOLUBLE IN CLEANER SPECIFIED IN THE PROCUREMENT SPECIFICATION  
CRES NUTS LIMITED TO FIVE (5) REUSE CYCLES
- SURFACE TEXTURE** SURFACE TEXTURE SHALL NOT EXCEED 125 MICRO INCHES IN ACCORDANCE WITH AMS1/ASME B46.1
- FLOAT OF NUT ELEMENT** FLOAT OF NUT ELEMENT PORTION OF ASSEMBLY SHALL NOT BE LESS THAN .020 RADIIALLY FROM CENTERED POSITION NUT ELEMENT SHALL BE CAPABLE OF ENGAGEMENT WITH BOLT IN THE MAXIMUM MISALIGNED POSITION
- THREADS** THREADS SHALL BE IN ACCORDANCE WITH MIL-S-8879 BEFORE LUBRICATION
- PART NUMBERS** THE PART NUMBER SHALL CONSIST OF THE BASIC MS SHEET NUMBER FOLLOWED BY A MATERIAL CODE AND DASH NUMBER FROM TABLE 11

EXAMPLE MS51552CL3

DASH NUMBER

BASIC MS SHEET NUMBER

MS51552CL3 - INDICATES NUT, SELF-LOCKING, PLATE, RIGHT ANGLE, CRES, 125 KSI Ftu, 450° DRY FILM LUBRICATED, THREAD SIZE, 1900-32 UNF-3B

## NOTES

- DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED
- DESIGN AND USAGE LIMITATIONS THESE NUTS ARE DESIGNED TO DEVELOP THE TENSILE STRENGTH OF 125 KSI BASED ON THE CROSS SECTIONAL AREA AT THE BASIC ROOT DIAMETER OF THE THREAD THESE NUTS ARE DESIGNED TO BE USED WITH CLASS 3 THREADS THESE NUTS SHALL BE USED IN ACCORDANCE WITH THE LIMITATIONS OF MSJ3588
- THERE IS NO QPL ASSOCIATED WITH MS51552
- IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE
- REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN

REVISED

APPROVED 15 SEP 87

PA <b>ARMY-AR</b>	INTERNATIONAL INTEREST	TITLE <b>NUT, SELF-LOCKING, PLATE, RIGHT ANGLE FLOATING, 125 KSI Ftu, 450° F</b>	<b>MILITARY STANDARD</b>
Other Cont <b>NAVY-AS AIR FORCE-99</b>			<b>MS51552</b>
PROCUREMENT SPECIFICATION <b>MIL-N-25027</b>	SUPERSEDES	PAGE <b>2</b>	OF <b>2</b>

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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