

INCH-POUND

AN363 REV 5
 1 November 2011
 SUPERSEDING
 AN363 REV 4
 17 June 1964

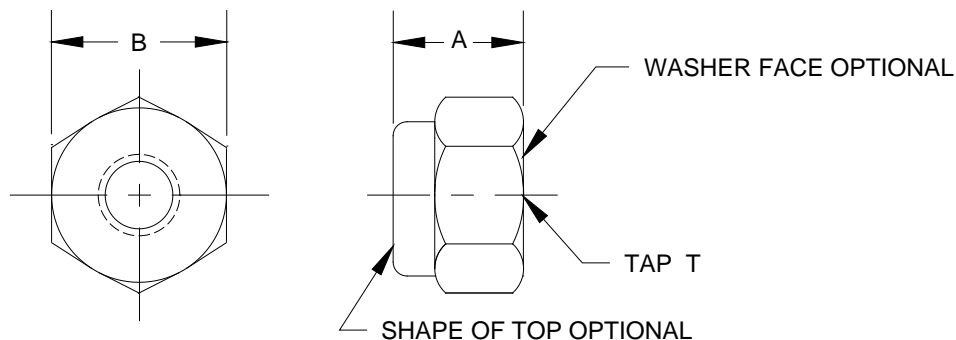
DETAIL SPECIFICATION SHEET

NUT, SELF-LOCKING, 550°F

Inactive for new design after 17 June 1964

This specification sheet is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product herein shall consist of this specification sheet



FINE THREAD

DASH NUMBERS			TAP T	(a) A +.016	B +.002 -.010
COR RES STEEL	STEEL	COPPER BASE ALLOY			
C1032	1032	B1032	(NO. 10) .190-32 NF-3B	.234	.375
C428	428	B428	(1/4) .250-28UNF-3B	.312	.438
C524	524	B524	(5/16) .312-24UNF-3B	.344	.500
C624	624	B624	(3/8) .375-24UNF-3B	.453	.563
C720	720	B720	(7/16) .437-20UNF-3B	.453	.625
C820	820	B820	(1/2) .500-20UNF-3B	.594	.750
C918	918	B918	(9/16) .562-18UNF-3B	.688	.875
C1018	1018	B1018	(5/8) .625-18UNF-3B	.750	.938
C1216	1216	B1216	(3/4) .750-16UNF-3B	.875	1.063

COARSE THREAD

C632	632	B632	(NO. 6) .138-32 NC-2B	.172	.312
C832	832	B832	(NO. 8) .164-32 NC-2B	.234	.344
C1024	1024	B1024	(NO. 10) .190-24 NC-2B	.234	.375
C420	420	B420	(1/4) .250-20UNC-3B	.312	.438
C518	518	B518	(5/16) .312-18UNC-3B	.344	.500
C616	616	B616	(3/8) .375-16UNC-3B	.453	.563
C714	714	B714	(7/16) .437-14UNC-3B	.453	.625
C813	813	B813	(1/2) .500-13UNC-3B	.594	.750
C913	913	B913	(9/16) .562-12UNC-3B	.688	.875
C1011	1011	B1011	(5/8) .625-11UNC-3B	.750	.938
C1210	1210	B1210	(3/4) .750-10UNC-3B	.875	1.063

(a) Minimum A not specified. Limited only by strength requirement of specification.

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- (b) Dash numbers C1024 through C1210, 1024 through 1210, and B1024 through B1210 for coarse thread nuts inactive for design after 14 April 1949.

FINE THREAD					
INACTIVE PARTS			SUBSTITUTE PARTS		
CRES	STEEL	COPPER BASE ALLOY	CRES	STEEL	COPPER BASE ALLOY
AN363C1032	AN363-1032	AN363B1032	MS21046C3	MS21045-3	MS21044E3
C428	-428	B428	C4	-4	E4
C524	-524	B524	C5	-5	E5
C624	-624	B624	C6	-6	E6
C720	-720	B720	(a)	(a)	(a)
C820	-820	B820	C8	-8	E8
C918	-918	B918	C9	-9	E9
C1018	-1018	B1018	C10	-10	E10
C1216	-1216	B1216	C12	-	E10
				12	E12
COARSE THREAD					
AN363C632	AN363-632	AN363B632	MS21046C06	MS21045-06	MS21044E06
C832	-832	B832	C08	-08	E08
C1024	-1024	B1024	(b)	(b)	(b)
C420	-420	B420	↑	↑	↑
C518	-518	B518	↑	↑	↑
C616	-616	B616	↑	↑	↑
C714	-714	B714	↑	↑	↑
C913	-913	B913	↑	↑	↑
C1011	-1011	B1011	↑	↑	↑
C1210	-1210	B1210	(b)	(b)	(b)

- (a) AN363 nuts with (7/16) .437-20 thread have no substitutive parts on MS21044, MS21045 and MS21046 because the corresponding MS nuts have a larger hex size to conform to international standard.
- (b) AN363 nuts with thread sizes (NO.10) .190-24 thru (3/4) .750-10 have no substitutive parts on MS21044, MS21045 and MS21046 because these are non-preferred thread sizes per MIL-S-7742.

NOTES:

- Interchangeability relationship: MS21044, MS21045 AND MS21046 can universally replace the inactivated AN363 nuts in accordance with table on sheet 2. AN363 nuts cannot universally replace MS21044, MS21045 or MS21046.
- Dimensions in inches.
- Example of part numbers:

AN363-428	=	(1/4) .250-28 Steel Nut.
AN363B632	=	(NO. 6) .138-32 Copper-Base Alloy Nut.
AN363C428	=	(1/4) .250-28 Corrosion-Resistant Steel Nut.
- For installation instructions, see NASM33588.

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Custodians:

Army - MI
Navy - OS
Air Force - 99

Preparing Activity:

DLA -IS

(Project 5310-2012-001)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.