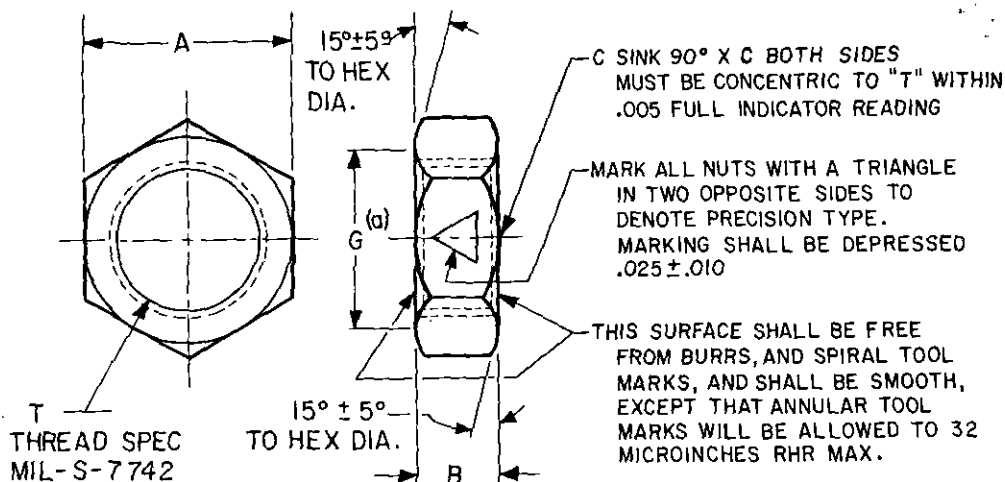


FED. SUP CLASS
5310REVIEWER:
USER:

a. FACE OF HEX SHALL BE SQUARE TO THREAD WITHIN TOLERANCES SPECIFIED IN COLUMN H.

© CANCELLED AFTER 15 MAY 1967

SUPERSEDED BY AN 924. MS24400 NUTS AND AN924 NUTS OF LIKE MATERIAL AND THREAD SIZE ARE UNIVERSALLY INTERCHANGEABLE. SUPPLIES OF MS24400 NUTS ARE TO BE USED UNTIL STOCKS ARE EXHAUSTED. SEE INTERCHANGEABILITY TABLE FOR LIMITATIONS.

DASH NOS.	STEEL	ALUM ALLOY	TUBING O.D.	THREAD T	A	B	C $\pm .010$ DIA	G $\pm .010$ DIA	H MAX.
2	D2		1/8	5/16 - 24 UNF - 3B	.563	7/32	.313	.500	
3	D3		3/16	3/8 - 24 UNF - 3B	.625		.375	.562	
4	D4		1/4	7/16 - 20 UNF - 3B	.688	1/4	.438	.625	
5	D5		5/16	1/2 - 20 UNF - 3B	.750		.500	.687	
6	D6		3/8	9/16 - 18 UNF - 3B	.813	17/64	.563	.750	.005
8	D8		1/2	3/4 - 16 UNF - 3B	1.000	5/16	.750	.937	
10	D10		5/8	7/8 - 14 UNF - 3B	1.125	23/64	.875	1.062	
12	D12		3/4	1 1/16 - 12 UN - 3B	1.375		1.063	1.274	
16	D16		1	5/8 - 12 UN - 3B	1.625		1.313	1.524	
20	D20		1 1/4	1 5/8 - 12 UN - 3B	1.938	13/32	1.625	1.838	.008
24	D24		1 1/2	1 7/8 - 12 UN - 3B	2.188		1.875	2.093	
28	D28		1 3/4	2 1/4 - 12 UN - 3B	2.563		2.250	2.468	
32	D32		2	2 1/2 - 12 UN - 3B	2.813		2.500	2.718	

MATERIAL: STEEL, ALUMINUM ALLOY, OR CORROSION RESISTANT STEEL AS SPECIFIED; IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

FINISH: IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

MARKING: IMPRESSION STAMPED AS SPECIFIED ON THIS STANDARD, AND MARKED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

TOLERANCES: FRACTIONS $\pm 1/64$, ANGLES $\pm 1/2^\circ$ UNLESS OTHERWISE SPECIFIED.

NOTES: (1) DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

(2) FOR SURFACE ROUGHNESS, SEE MIL-STD-10.

(3) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

(4) REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(5) THE MS PART NUMBER CONSISTS OF THE DASH NUMBER PLUS THE MS NUMBER. EXAMPLE: MS24400-D3, IS THE NUMBER FOR ALUMINUM NUT FOR 3/16 TUBING. FOR CORROSION-RESISTANT STEEL, TYPE 304L AND 347 ADD S IN PLACE OF D AND FOR TYPES 302, 303, 304, 316 AND 321 ADD C IN PLACE OF D.

(6) THIS STANDARD SHALL BECOME EFFECTIVE NO LATER THAN 90 DAYS AFTER THE LATEST DATE OF APPROVAL SHOWN.

© CANCELLED - SEE SHEET 2

This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

P.A.	ARMY - ORD	TITLE	MILITARY STANDARD
Other Cust	AF - ARD N - WEP	NUT, PLAIN, HEXAGON-BULKHEAD AND UNIVERSAL FITTING MOUNTING, PRECISION TYPE	MS24400
PROCUREMENT SPECIFICATION	MIL-F-5509	SUPERSEDES:	

APPROVED 12 FEB 57 REVISED (A) 10 SEP 59 (B) 3 APR 61 (C) 15 MAY 67

FED. SUP CLASS
5310

REPLACED AFTER 15 MAY 1967

SUPERSEDED BY AN924. MS24400 NUTS AND AN924 NUTS OF LIKE MATERIAL AND
 THREAD SIZE ARE UNIVERSALLY INTERCHANGEABLE. SUPPLIES OF MS24400 NUTS
 ARE TO BE USED UNTIL STOCKS ARE EXHAUSTED. SEE INTERCHANGEABILITY TABLE
 FOR LIMITATIONS.

INTERCHANGEABILITY TABLE

SUPERSEDED MS24400 STEEL	REPLACING AN924 STEEL	SUPERSEDED MS24400 AL ALLOY	REPLACING AN924 AL ALLOY	SUPERSEDED MS24400 * CRES 304 L, 347	REPLACING AN924 CRES 347	SUPERSEDED MS24400 ⊗ CRES 302, 303,304,316, 321	REPLACING AN924 CRES J= 304 K= 316
-2	-2	-D2	-2D	-S2	-2S	-C2	-2J OR -2K
-3	-3	-D3	-3D	-S3	-3S	-C3	-3J OR -3K
-4	-4	-D4	-4D	-S4	-4S	-C4	-4J OR -4K
-5	-5	-D5	-5D	-S5	-5S	-C5	-5J OR -5K
-6	-6	-D6	-6D	-S6	-6S	-C6	-6J OR -6K
-8	-8	-D8	-8D	-S8	-8S	-C8	-8J OR -8K
-10	-10	-D10	-10D	-S10	-10S	-C10	-10J OR -10K
-12	-12	-D12	-12D	-S12	-12S	-C12	-12J OR -12K
-16	-16	-D16	-16D	-S16	-16S	-C16	-16J OR -16K
-20	-20	-D20	-20D	-S20	-20S	-C20	-20J OR -20K
-24	-24	-D24	-24D	-S24	-24S	-C24	-24J OR -24K
-28	-28	-D28	-28D	-S28	-28S	-C28	-28J OR -28K
-32	-32	-D32	-32D	-S32	-32S	-C32	-32J OR -32K

* AN924 NUTS CODED S REPLACE MS24400 NUTS CODED S, BUT MS24400 NUTS CANNOT
 ALWAYS REPLACE AN924 NUTS CODED S.

⊗ AN924 AND MS24400 CRES NUTS OF LIKE SIZE ARE PHYSICALLY INTERCHANGEABLE.
 AN924 NUTS CODED J OR K REPLACE MS24400 NUTS CODED C BUT MS24400 NUTS
 CANNOT ALWAYS REPLACE AN924 NUTS CODED J OR K.

REVISED 15 MAY 67

APPROVED

P.A. Other Cust	ARMY — ORD AF — ARD N — WEP	TITLE NUT, PLAIN, HEX AGON-BULKHEAD AND UNIVERSAL FITTING MOUNTING, PRECISION TYPE	MILITARY STANDARD MS24400
PROCUREMENT SPECIFICATION MIL-F-5509	SUPERSEDES:		

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 applications and for repetitive use shall be made from this document.