



ACCEPTABLE DESIGNS

TABLE I

NOMINAL SIZE OR BASIC MAJOR DIAMETER OF THREAD		1/4 .2500	5/16 .3125	3/8 .3750	7/16 .4375	1/2 .5000	9/16 .5625	5/8 .6250
THREADS PER INCH		28	24	24	20	20	18	18
F WIDTH ACROSS FLATS	NOM	7/16	1/2	9/16	11/16	3/4	7/8	15/16
	MAX MIN	.4375 .6280	.5000 .6890	.5625 .7510	.6875 .8750	.7500 .9360	.8750 .9810	.9375 1.1220
G WIDTH ACROSS CORNERS	MAX	.505	.577	.650	.794	.866	1.010	1.083
	MIN	.488	.557	.628	.768	.840	.982	1.051
H THICKNESS	NOM	7/32	17/64	21/64	3/8	7/16	31/64	35/64
	MAX	.226	.273	.337	.385	.448	.496	.559
	MIN	.212	.258	.320	.365	.427	.473	.535
MATERIAL	DASH NO.							
STEEL, CORROSION RESISTING		1	2	3	4	5	6	7
NOMINAL SIZE OR BASIC MAJOR DIAMETER OF THREAD		3/4 .7500	7/8 .8750	1 1.0000	1-1/8 1.1250	1-1/4 1.2500	1-3/8 1.375	1-1/2 1.5000
THREADS PER INCH		16	14	12	12	12	12	12
F WIDTH ACROSS FLATS	NOM	1-1/8	1-5/16	1-1/2	1-11/16	1-7/8	2-1/16	2-1/4
	MAX MIN	1.1250 1.0880	1.3125 1.2690	1.5000 1.4500	1.6875 1.6310	1.8750 1.8120	2.0625 1.9940	2.2500 2.1750
G WIDTH ACROSS CORNERS	MAX	1.299	1.516	1.732	1.949	2.165	2.382	2.598
	MIN	1.240	1.447	1.653	1.859	2.066	2.273	2.480
H THICKNESS	NOM	41/64	3/4	55/64	31/32	1-1/16	1-11/64	1-9/32
	MAX	.665	.776	.887	.999	1.094	1.206	1.317
	MIN	.617	.724	.831	.939	1.050	1.138	1.245
MATERIAL	DASH NO.							
STEEL, CORROSION RESISTING		8	9	10	11	12	13	14

NOTE: For material, protective coating, and other pertinent data see sheet 2.

Ⓐ For changes see sheet 1 and 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.

REVIEWER: MI, AT, ME, AV, MU, GL, 85, IS, NSA
USER: SH, NC

APPROVED 20 JAN 1964 REVISED 28 JAN 1968

P.A. WC Other Cust 82 Ⓐ	TITLE NUT, PLAIN, HEXAGON-STEEL, CORROSION RESISTING, 300 SERIES, PASSIVATED, UNF-2B	MILITARY STANDARD MS51972
PROCUREMENT SPECIFICATION FF-K-836	SUPERSEDES: MSJ569G in part, BUNX2 in part Ⓐ	SHEET 1 OF 2

REVIEWER: MI, AT, ME, AV, MU, GL, BS, IS, NSA
RISPR: SH, MC

MATERIAL: (A) Steel, Corrosion Resisting, 300 series in accordance with procurement specification.

PROTECTIVE COATING: Passivate in accordance with Specification QQ-P-35

MAGNETIC PERMEABILITY: These fasteners have a magnetic permeability of 2.0 maximum (air=1.0) for a field strength of H=200 Oersteds using a magnetic indicator per MIL-I-17214.

THREADS: Threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H-28.

DIMENSIONS: All dimensions are in inches unless otherwise specified.

PART NUMBER: The MS part number consists of the MS number plus the dash number.
Example: MS51972-1.

- NOTES:**
- (1) Referenced documents shall be of the issue in effect on date of invitationS for bid.
 - (2) For design feature purposes, this standard takes precedence over procurement documents referenced herein.

INTERCHANGEABILITY TABLE

The following nuts covered by dash numbers given in MS35690 are cancelled after the date indicated on the cancelled document. Use the dash numbers given in the preceding sheet. The cancelled nuts cannot always replace the new nuts and should be used until existing stocks are depleted. Use only the new nuts for design and replacement. Replacement shall be in accordance with TABLE II. Interchangeability information regarding part numbers on the superseded drawing is also contained in this table.

TABLE II

PART NUMBERS

CANCELLED MS35690	NEW MS51972	CANCELLED MS35690	NEW MS51972	CANCELLED MS35690	NEW MS51972
DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER
430	1	930	6	1830	11
530	2	1030	7	2030	12
630	3	1230	8	2230	13
730	4	1430	9	2430	14
830	5	1630	10		

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APPROVED 20 JAN 1964 REVISED (A) For changes see sheet 1 and 2.

P.A. WC (A) Other Cont 82	TITLE NUT, PLAIN, HEXAGON-STEEL, CORROSION RESISTING, 300 SERIES, PASSIVATED, UNF-2B	MILITARY STANDARD MS 51972
PROCUREMENT SPECIFICATION FF-N-875	SUPERSEDES: MS35690 in part, 6UNX2 in part (A)	SHEET 2 OF