

REVIEWER: AT, AV, IS, ME, NSA, II
USER: GL, MC, NI, YD

This military standard is approved 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.

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. MAX. MIN.	7/16 .4375 .4280	1/2 .5000 .4890	9/16 .5625 .5510	11/16 .6875 .6750	3/4 .7500 .7360	7/8 .8750 .8610	15/16 .9375 .9220
G	WIDTH ACROSS CORNERS	MAX. MIN.	.505 .488	.577 .557	.650 .628	.794 .768	.866 .840	1.010 .982	1.083 1.051
H	THICKNESS	NOM. MAX. MIN.	7/32 .226 .212	17/64 .273 .258	21/64 .337 .320	3/8 .385 .365	7/16 .448 .427	31/64 .496 .479	35/64 .559 .535
MATERIAL			DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
BRASS			1	2	3	4	5	6	7
NOMINAL SIZE OR BASIC MAJOR DIAMETER OF THREAD			3/4 .7500	7/8 .8750	1 1.000	1-1/8 1.1250	1-1/4 1.2500	1-3/8 1.3750	1-1/2 1.5000
THREADS PER INCH			16	14	12	12	12	12	12
F	WIDTH ACROSS FLATS	NOM. MAX. MIN.	1-1/8 1.1250 1.0880	1-5/16 1.3125 1.2690	1-1/2 1.5000 1.4500	1-11/16 1.6875 1.6310	1-7/8 1.8750 1.8120	2-1/16 2.0625 1.9940	2-1/4 2.2500 2.1750
G	WIDTH ACROSS CORNERS	MAX. MIN.	1.299 1.240	1.516 1.447	1.732 1.653	1.949 1.859	2.165 2.066	2.382 2.273	2.598 2.480
H	THICKNESS	NOM. MAX. MIN.	41/64 .665 .617	3/4 .774 .724	55/64 .887 .831	31/32 .999 .939	1-1/16 1.064 1.030	1-11/64 1.206 1.138	1-9/32 1.317 1.245
MATERIAL			DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
BRASS			8	9	10	11	12	13	14
NOTE: For material, protective coating, and other pertinent data see sheet 2.									
(A) For changes see sheets 1 and 2.									
P.A. WC Other Cust SH R2			TITLE NUT, PLAIN, HEXAGON-BRASS, (A) BLACK CHEMICAL FINISH, UNF-2B				MILITARY STANDARD MS 51970		
PROCUREMENT SPECIFICATION FED-STD-202			SUPERSEDES: MS35690 1st part				SHEET 1 OF 2		

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 20 JAN 1984 REVISED (A) 24 JUL 1972

FED. SUP CLASS
5310

NOTES:

1. **MATERIAL:** Brass, Naval. In accordance with QQ-B-637, alloy no. 462, hard or alloy no. 464, half-hard.
2. **PROTECTIVE COATING:** Black chemical finish in accordance with MIL-F-495.
3. **THREADS:** The threads shall be in accordance with Screw-Thread Standards For Federal Services, Handbook H28.
4. **DIMENSIONS:** All dimensions are in inches, unless otherwise specified.
5. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
Example: MS51970-1.
6. Referenced documents shall be of the issue in effect on date of invitations for bid.
7. 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 document is also contained in Table II.

TABLE II

CANCELLED MS35690	NEW MS51970	CANCELLED MS35690	NEW MS51970	CANCELLED MS35690	NEW MS51970
DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
431	1	731	4	1631	10
432	1	831	5	1831	11
531	2	931	6	2031	12
532	2	1031	7	2231	13
631	3	1231	8	2431	14
632	3	1431	9		

☆ U. S. GOVERNMENT PRINTING OFFICE: 1972-714-536/650

P.A. WC Other Cost SH 82	TITLE NUT, PLAIN, HEXAGON - BRASS, ① BLACK CHEMICAL FINISH, UNF-2B	MILITARY STANDARD MS51970
DOCUMENT SPECIFICATION FF-N-R36	SUPERSEDES: MS35690 in part	SHEET 2 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

REVIEWER: AT, AV, IS, ME, NSA, 11
USER: CI, MC, MI, YD

This military standard is approved 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.

APPROVED 20 JAN 1964 REVISED ① FOR CHANGES SEE SHEETS 1 AND 2.

