

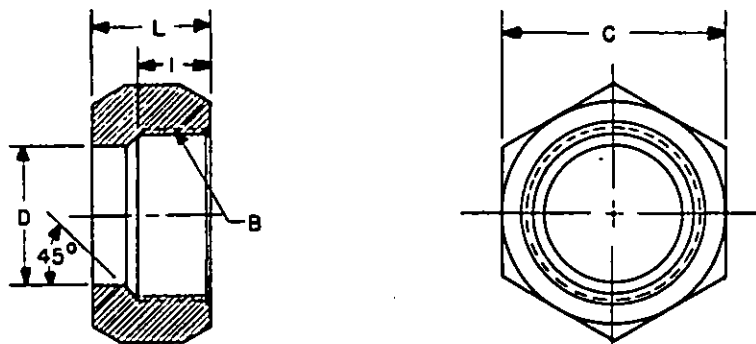
FED. SUP CLASS
4730

TABLE I

* DASH NUMBER	TUBE O.D. NOM	B STRAIGHT THREAD CLASS 2B	C HEX FLAT NOM	D DIA +.003 -.000	I +.015 -.000	L +.02
1	1/8	5/16-24UNF	3/8	0.130	.388	0.53
2	3/16	3/8-24UNF	7/16	0.193	.459	0.61
3	1/4	7/16-20UNF	9/16	0.253	.537	0.70
4	5/16	1/2-20UNF	5/8	0.318	.552	0.72
5	3/8	9/16-18UNF	11/16	0.380	.568	0.75
6	1/2	3/4-16UNF	7/8	0.503	.599	0.84
7	5/8	7/8-14UNF	1	0.631	.677	0.92
8	3/4	1-1/16-12UN	1-1/4	0.756	.677	0.97
9	7/8	1-3/16-12UN	1-3/8	0.881	.677	1.00
10	1	1-5/16-12UN	1-1/2	1.006	.677	1.03
11	1-1/4	1-5/8-12UN	2	1.260	.645	1.05
12	1-1/2	1-7/8-12UN	2-1/4	1.510	.639	1.03
13	2	2-1/2-12UN	2-7/8	2.014	.615	1.12

For notes see sheet 2.

(E) Denotes changes.

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, when applicable.

P.A. AR Other Cust 99	TITLE NUT, TUBE COUPLING, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD MS51823
PROCUREMENT SPECIFICATION MIL-F-18866	SUPERSEDES: CNHXB in part	SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

4730-0362

APPROVED 29 DEC 67 REVISED (A) 7 NOV 68 (B) 30 DEC 70 (C) 22 NOV 1974 (D) 13 MAY 77 (E) 17 JUNE 1982

User Activities:
Army - AV
Navy - OS, NC

Review Activities:
Army - AT, GL, ME
DLA - CS

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NOTES:

1. **MATERIAL:** Steel, carbon in accordance with procurement specification.
Steel, corrosion-resisting in accordance with procurement specification.
2. **PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
Zinc plated in accordance with procurement specification.
Phosphate coating in accordance with procurement specification.
Passivation treatment in accordance with procurement specification.
3. **DIMENSIONS AND TOLERANCES:** Dimensions and tolerances not shown shall be in accordance with the SAE Standard for Flareless Tube Fittings (SAE J514).
4. **THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, FED-STD-H28.
5. **PART NUMBER:** The MS part number consists of the MS number, plus the dash number.
 - A. For cadmium plated nuts use the MS number, plus the dash number.
Example: MS51823-1
 - B. For zinc plated nuts add (Z) to the dash number. Example: MS51823-1Z
 - C. For phosphate coated nuts add (P) to the dash number. Example: MS51823-1P
 - D. For corrosion-resisting steel nuts add (SS) to the dash number.
Example: MS51823-1SS
6. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
7. Reference documents shall be of the issue in effect on date of invitations for bid.
9. The illustration is for identification and is not intended to restrict designs or shapes not dimensioned.
- * 9. After 22 NOV 1974, nuts will be used for production only and SHALL NOT be stocked for maintenance. Existing stock of nuts should be used until depleted.
- ⑩ 10. CAUTION: The following data is furnished for the purpose of new design only and is not intended to imply interchangeability.

MS51823 will replace MS39210 for new design after approval date on this document. Table II below gives reference data for coordination of equivalent tube sizes, in both compression and hydraulic type tees. Assembly replacement is authorized.

TABLE II (FOR INFORMATION ONLY)
ASSEMBLY EQUIVALENCY

PART NUMBER		PART NUMBER		PART NUMBER	
COMPRESSION	HYDRAULIC	COMPRESSION	HYDRAULIC	COMPRESSION	HYDRAULIC
MS39210-1	MS51823-1	MS39210-5	MS51823-5	MS39210-9	MS51823-9
-2	-2	-6	-6	-10	-10
-3	-3	-7	-7	-11	-11
-4	-4	-8	-8	-12	-12

P.A. AR Other Cust 99	TITLE NUT, TUBE COUPLING, FLARELESS TYPE, HYDRAULIC	MILITARY STANDARD MS51823
PROCUREMENT SPECIFICATION MIL-F-18966	SUPERSEDES: CHXIS in part	SHEET 2 OF 2

DD FORM 672-1 (Coordinated)

4730 -3382

APPROVED 29 DE 1967 REVISED 7 NOV 1968 ③ 30 DEC 1970 ④ FOR CHANGES SEE SHEET 1 ⑤ FOR CHANGES SEE SHEET 2 ⑥ 17 June 1982

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Review Activities:
Army - AF, GL, HE
DLA - CS

User Activities:
Army - AV
Navy - DE, MC