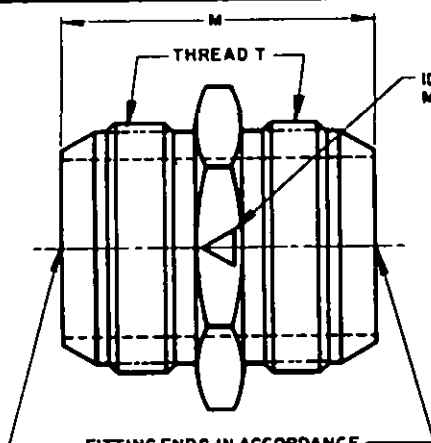


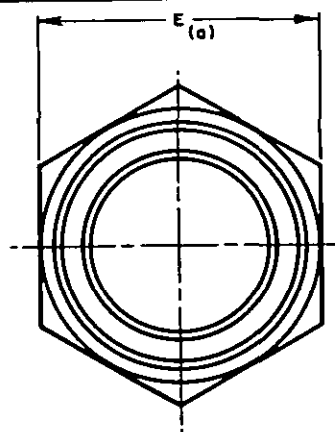
Review activities: ARMY - ME, AV  
NAVY - AS  
DSC - CS

User activities:

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FITTING ENDS IN ACCORDANCE WITH MS24385, STYLE E, FOR TUBE SIZE SPECIFIED.



FED. SUP CLASS  
4730

DASH NO.	TUBING OD	THREAD T (REF)	E	M
2	1/8	5/16-24UNJF-3A	.563	1- 7/32
3	3/16	3/8-24UNJF-3A	.625	1- 7/32
4	1/4	7/16-20UNJF-3A	.688	1- 1/4
5	5/16	1/2-20UNJF-3A	.750	1- 9/32
6	3/8	9/16-18UNJF-3A	.813	1- 3/8
8	1/2	3/4-16UNJF-3A	1.000	1- 9/16
10	5/8	7/8-14UNJF-3A	1.125	1-53/64
12	3/4	1-1/16-12UNJ-3A	1.375	2- 7/64
16	1	1-5/16-12UNJ-3A	1.625	2- 3/16
20	1-1/4	1-5/8-12UNJ-3A	1.875	2- 9/32
24	1-1/2	1-7/8-12UNJ-3A	2.125	2-17/32
28	1-3/4	2-1/4-12UNJ-3A	2.500	2-13/16
32	2	2-1/2-12UNJ-3A	2.750	3- 1/16
40	2-1/2	3- 12UNJ-3A	3.250	2- 7/8
48	3	3-1/2-12UNJ-3A	3.750	3- 1/16

(a) FOR HEX TOLERANCE SEE MS24385.  
MATERIAL: STEEL; ALUMINUM ALLOY; CORROSION RESISTANT STEEL (CRES); TITANIUM ALLOY; BARS, SHAPES, OR FORGINGS (SEE PROCUREMENT SPECIFICATION).  
FINISH: SEE PROCUREMENT SPECIFICATION.  
BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.  
NO CODE LETTER IN PART NUMBER FOR STEEL.  
ADD D IN PLACE OF DASH FOR ALUMINUM ALLOY (EXCEPT 7075-T73).  
ADD J IN PLACE OF DASH FOR CRES, TYPE 304.  
ADD K IN PLACE OF DASH FOR CRES, TYPE 316.  
ADD S IN PLACE OF DASH FOR CRES, TYPE 347.  
ADD T IN PLACE OF DASH FOR TITANIUM ALLOY.  
ADD U IN PLACE OF DASH FOR 7075-T73 ALUMINUM ALLOY.  
TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.  
EXAMPLE OF PART NUMBERS:  
MS24392-8 - NIPPLE, 1/2 TUBING, STEEL.  
MS24392D8 - NIPPLE, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).  
MS24392J8 - NIPPLE, 1/2 TUBING, CRES, TYPE 304.  
MS24392K8 - NIPPLE, 1/2 TUBING, CRES, TYPE 316.  
MS24392S8 - NIPPLE, 1/2 TUBING, CRES, TYPE 347.  
MS24392T8 - NIPPLE, 1/2 TUBING, TITANIUM ALLOY.  
MS24392U8 - NIPPLE, 1/2 TUBING, 7075-T73 ALUMINUM ALLOY.  
DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED. TOLERANCE ON FRACTIONS  $\pm 1/64$ .

F Denotes Changes

P.A. AIR FORCE-98 Other Case AIR FORCE-99	TITLE <b>NIPPLE, TUBE, PRECISION TYPE</b>	<b>MILITARY STANDARD</b> <b>MS24392</b>
PROCUREMENT SPECIFICATION MIL-F-8509	SUPERSEDES <b>AN-816</b>	SHEET 1 OF 2

DD FORM 672-1 Limited  
Coordination

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

4730-F273

APPROVED 12 FEB 57 REVISED A 6 MAR 58 B 10 FEB 67 C 7 OCT 68 D 16 JUN 76 E 22 MAR 79 F 16 APR 82

FED. SUP CLASS  
4730

IN ADDITION TO THE SAMPLING REQUIREMENTS OF THE PROCUREMENT SPECIFICATION, THE SURFACE OF THE CONE ENDS ON 100% OF THE NIPPLES OF A LOT SHALL BE INSPECTED.  
FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.  
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

User activities:

 Review activities: ARMY - ME, AV  
 NAVY - AS  
 DSC - CS

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APPROVED 12 FEB 87 REVISED (F) FOR CHANGES SEE PAGES 1 &amp; 2. 16 Apr 82

P.A. AIR FORCE-99 (F)	TITLE	MILITARY STANDARD
Other Code AIR FORCE-99	NIPPLE, TUBE, PRECISION TYPE	MS 24392
PROCUREMENT SPECIFICATION ML-F-5509	SUPERSEDES AN-918 (F)	SHEET 2 OF 2

DD FORM 672-1 Limited Coordination

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

4730-F273