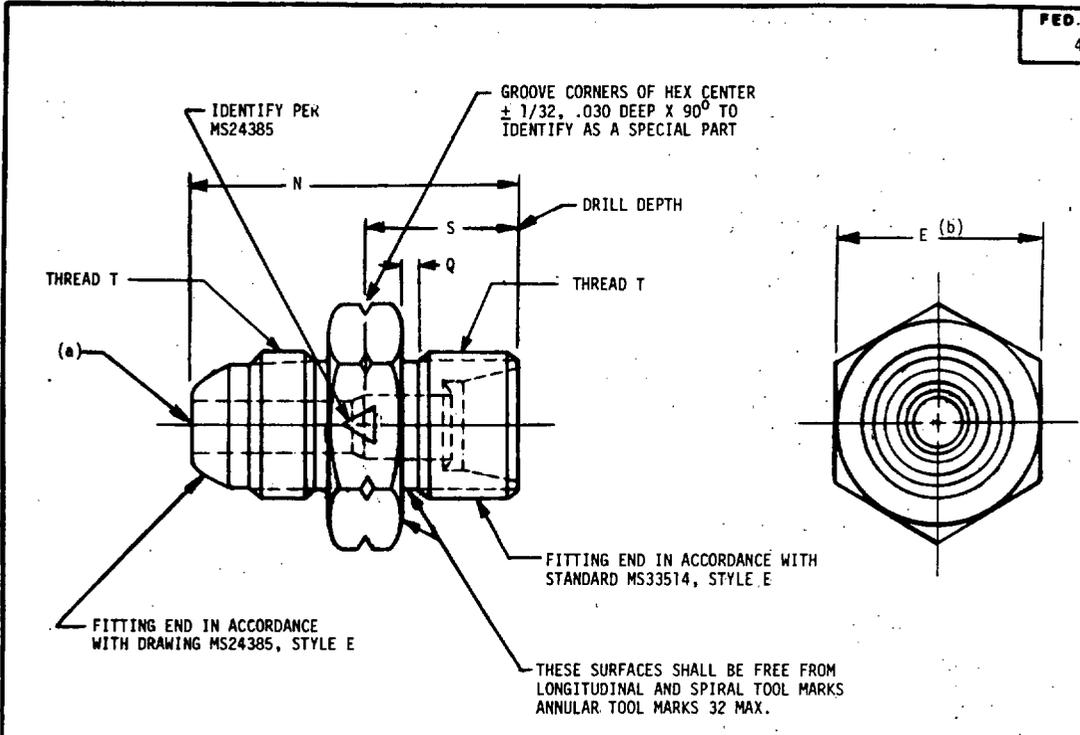


USER SYMBOLS:
NAVY - OS
ARMY - GL, CR, ME, AT

REVISOR SYMBOLS:
USAF - II, 69
ARMY - AR, MI
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DASH NO.	TUBE OD	THREAD T MIL-S-8879	E (b) (Ref)	N $\pm 1/64$	S $\pm 1/32$	Q + .010 - .000	WT LB MAX		
							STEEL	AL ALLOY	TI ALLOY
-3	3/16	.3750-24 UNJF-3A	5/8	1-5/32	Thru	.093	.044	.015	.025
-4	1/4	.4375-20 UNJF-3A	11/16	1-17/64	9/16	.109	.053	.019	.030
-5	5/16	.5000-20 UNJF-3A	3/4	1-17/64	Thru		.060	.021	.034
-6	3/8	.5625-18 UNJF-3A	13/16	1-9/32	11/16	.125	.073	.026	.042
-8	1/2	.7500-16 UNJF-3A	1	1-15/32		.140	.133	.046	.076
-10	5/8	.8750-14 UNJF-3A	1-1/8	1-11/16	25/32	.156	.182	.065	.105
-12	3/4	1.0625-12 UNJ -3A	1-3/8	1-15/16	7/8		.305	.109	.175
-16	1	1.3125-12 UNJ -3A	1-5/8	1-31/32	27/32	.156	.414	.145	.328
-20	1-1/4	1.6250-12 UNJ -3A	1-7/8	2	7/8		.625	.209	.360
-24	1-1/2	1.8750-12 UNF -3A	2-1/8	2-5/32	29/32	.156	.820	.280	.473
-32	2	2.5000-12 UNJ -3A	2-3/4	2-15/32			1.596	.510	.920

- (a) AT THE OPTION OF THE MANUFACTURER, THE SMALLER DIAMETER MAY BE DRILLED THROUGH THE FITTING FROM END TO END.
- (b) FOR HEX DIMENSIONS AND TOLERANCES AND TOLERANCES SEE MS24385, STYLE E.

(C) REVISED & REDRAWN

P.A. NAVY - AS Other Cust	INTER- NATIONAL INTEREST SEE NOTE 7	TITLE ADAPTER, FLARELESS TUBE TO FLARED TUBE PRECISION TYPE	MILITARY STANDARD MS 24405
USAF-99 ARMY-AV	PROCUREMENT SPECIFICATION MIL-F-18280	SUPERSEDES:	SHEET 1 OF 2

APPROVED 1 MAR 60 REVISED C 26 JUNE 1981

FED. SUP CLASS
4730

USER SYMBOLS:
NAVY - OS
ARMY - GL, CR, ME, AT

REVIEWER SYMBOLS:
USAF - 11, 69
ARMY - AR, MI
DLA - CS

NOTES:

1. MATERIAL: SEE PROCUREMENT SPECIFICATION.
2. FINISH: SEE PROCUREMENT SPECIFICATION.
3. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS $\pm 1/64$, ANGLES $\pm 1/2^\circ$.
4. BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
5. PART NUMBERS:
NO CODE LETTER IN PART NUMBER FOR CARBON STEEL.

ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY.
ADD J IN PLACE OF DASH FOR CORROSION RESISTANT STEEL TYPE 304.
ADD K IN PLACE OF DASH FOR CORROSION RESISTANT STEEL TYPE 316.
ADD S IN PLACE OF DASH FOR CORROSION RESISTANT STEEL TYPE 347.
ADD T AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V).

EXAMPLE OF PART NUMBER:

MS24405-4 - ADAPTER, 1/4 TUBING, CARBON STEEL.

MS24405W4 - ADAPTER, 1/4 TUBING, ALUMINUM ALLOY (7075).
MS24405J4 - ADAPTER, 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 304.
MS24405K4 - ADAPTER, 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 316.
MS24405S4 - ADAPTER, 1/4 TUBING, CORROSION RESISTANT STEEL, TYPE 347.
MS24405-4T - ADAPTER, 1/4 TUBING, TITANIUM ALLOY (6AL-4V).

6. TITANIUM NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.
7. CERTAIN PROVISIONS (SCREW THREADS, HEXAGON SIZE AND UNDERCUT DIMENSIONS) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASQC AIR STD 17/15. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.
8. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
9. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

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APPROVED 1 MAR 60 REVISED (C) FOR CHANGES SEE SHEETS 1 & 2

P.A. NAVY-AS Other Cust USAF-99 ARMY-AV	INTER- NATIONAL INTEREST SEE NOTE 7	TITLE ADAPTER, FLARELESS TUBE TO FLARED TUBE PRECISION TYPE	MILITARY STANDARD
			MS 24405
PROCUREMENT SPECIFICATION MIL-F-18280	SUPERSEDES:	SHEET 2	OF 2