

REV.  
A

AS24405

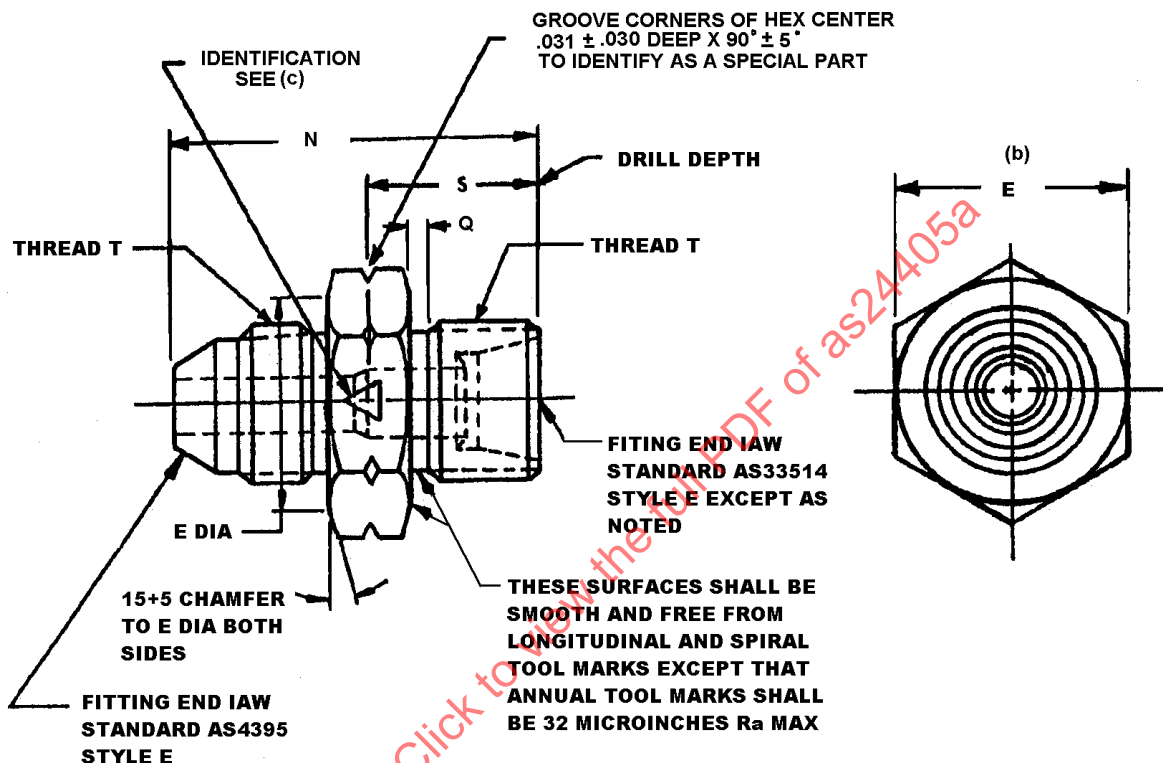
FEDERAL SUPPLY CLASS  
4730

# RATIONALE

CHANGED THE PROCUREMENT SPECIFICATION FROM MIL-F-18280 TO AS18280, DELETED THE PREAMBLE NOTICE ON PAGE 1, ADDED PRI-QPL REQUIREMENT, ADDED TABLE 2 AND UPDATED FORMAT.

## NOTICE

THE INITIAL PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS24405.

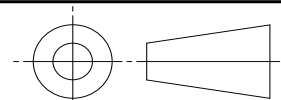


- (b) FOR HEX DIMENSIONS AND TOLERANCES, SEE AS4395 DESIGN STANDARD STYLE E.
- (c) MARK ON TWO OPPOSITE HEX FLATS WITH AN EQUILATERAL TRIANGLE TO DENOTE PRECISION TYPE AND MARKING SHALL BE DEPRESSED .025 + .010.

FIGURE 1 - ADAPTER, FLARELESS TUBE TO FLARED TUBE, PRECISION TYPE

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS24405A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /9/



## AEROSPACE STANDARD

(R) ADAPTER, FLARELESS TUBE TO FLARED TUBE PRECISION TYPE

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TABLE 1 - DIMENSIONS

| DASH<br>NO.<br>/5/ | TUBE<br>OD | THREAD T<br>AS8879<br>CLASS 3A | E<br>(REF)<br>(b) | N<br>$\pm .016$ | S<br>$\pm .031$ | Q<br>$\pm .010$<br>-.000 | WT LB/EA<br>APPROX |             |             |
|--------------------|------------|--------------------------------|-------------------|-----------------|-----------------|--------------------------|--------------------|-------------|-------------|
|                    |            |                                |                   |                 |                 |                          | CRES               | AL<br>ALLOY | TI<br>ALLOY |
| -3                 | .188       | .3750-24 UNJF                  | .625              | 1.156           | thru            | .093                     | .044               | .015        | .025        |
| -4                 | .250       | .4375-20 UNJF                  | .688              | 1.266           | .563            | .109                     | .053               | .019        | .030        |
| -5                 | .313       | .5000-20 UNJF                  | .750              | 1.266           | thru            | .109                     | .060               | .021        | .034        |
| -6                 | .375       | .5625-18 UNJF                  | .813              | 1.281           | thru            | .125                     | .073               | .026        | .042        |
| -8                 | .500       | .7500-16 UNJF                  | 1.000             | 1.469           | .688            | .140                     | .133               | .046        | .076        |
| -10                | .625       | .8750-14 UNJF                  | 1.125             | 1.688           | .781            | .140                     | .182               | .065        | .105        |
| -12                | .750       | 1.0625-12 UNJ                  | 1.375             | 1.938           | .875            | .156                     | .305               | .109        | .175        |
| -16                | 1.000      | 1.3125-12 UNJ                  | 1.625             | 1.969           | .844            | .156                     | .414               | .145        | .328        |
| -20                | 1.250      | 1.6250-12 UNJ                  | 1.875             | 2.000           | .875            | .156                     | .625               | .209        | .360        |
| -24                | 1.500      | 1.8750-12 UNF                  | 2.125             | 2.156           | .875            | .156                     | .820               | .280        | .473        |
| -32                | 2.000      | 2.5000-12 UNJ                  | 2.750             | 2.469           | .906            | .156                     | 1.596              | .510        | .920        |

## NOTES:

## NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM USE.

1. MATERIALS: SEE PROCUREMENT SPECIFICATION.

ALLOY STEEL  
ALUMINUM ALLOY  
CORROSION RESISTANT STEEL  
TITANIUM ALLOY

2. FINISH: SEE PROCUREMENT SPECIFICATION.
3. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS  $\pm .015$ , ANGLES  $\pm 0^{\circ}30'$ .
4. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

## /5/ PART NUMBERS:

CODE LETTER "-" IN PART NUMBER FOR 4130 ALLOY STEEL IS REPLACED BY CODE LETTER "F" SEE TABLE 2 /A/  
ADD "F" IN PLACE OF "-" FOR 4130 ALLOY STEEL IS REPLACEMENT FOR CODE "-"  
ADD "V(SIZE)P" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED  
ADD "V" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED  
ADD "D" IN PLACE OF DASH FOR ALUMINUM ALLOY (2024) IS INACTIVE FOR NEW DESIGN SEE TABLE 2 /C/  
ADD "W" IN PLACE OF DASH FOR ALUMINUM ALLOY (7075)  
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 "R" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 321)  
ADD "S" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 347) IS REPLACED BY CODE "R" (TYPE 321) SEE TABLE 2 /D/  
ADD "T" AFTER DASH NUMBER FOR TITANIUM ALLY (6AL-4V)

## EXAMPLES OF PART NUMBERS:

MS24405-4 ADAPTER, .250 TUBING, "-" CODE FOR 4130 ALLOY STEEL IS REPLACED SEE TABLE 2 /A/  
MS24405F4 ADAPTER, .250 TUBING, 4130 ALLOY STEEL  
MS24405V4P ADAPTER, .250 TUBING, CRES (15-5PH), CADMIUM PLATED  
MS24405V4 ADAPTER, .250 TUBING, CRES (15-5PH), NOT CADMIUM PLATED  
MS24405D4 ADAPTER, .250 TUBING, ALUMINUM ALLOY (2024) IS REPLACED SEE TABLE 2 /C/  
MS24405W4 ADAPTER, .250 TUBING, ALUMINUM ALLOY (7075)  
MS24405J4 ADAPTER, .250 TUBING, (TYPE 304)  
MS24405K4 ADAPTER, .250 TUBING, (TYPE 316)  
MS24405R4 ADAPTER, .250 TUBING, (TYPE 321)  
MS24405S4 ADAPTER, .250 TUBING, (TYPE 347) IS REPLACED BY CODE "R" SEE TABLE 2 /D/  
MS24405-4T ADAPTER, .250 TUBING, TITANIUM ALLOY (6AL-4V)

|                                                                                     |                                                              |  |                                |                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|--|--------------------------------|-------------------------|
|  | <b>AEROSPACE STANDARD</b>                                    |  | <b>AS24405</b><br>SHEET 2 OF 3 | <b>REV.</b><br><b>A</b> |
|                                                                                     | (R) ADAPTER, FLARELESS TUBE TO FLARED<br>TUBE PRECISION TYPE |  |                                |                         |