FEDERAL SUPPLY CLASS
4730

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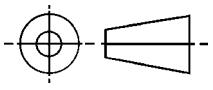
ISSUED 1998-08 REAFFIRMED 2004-04

THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE G-3

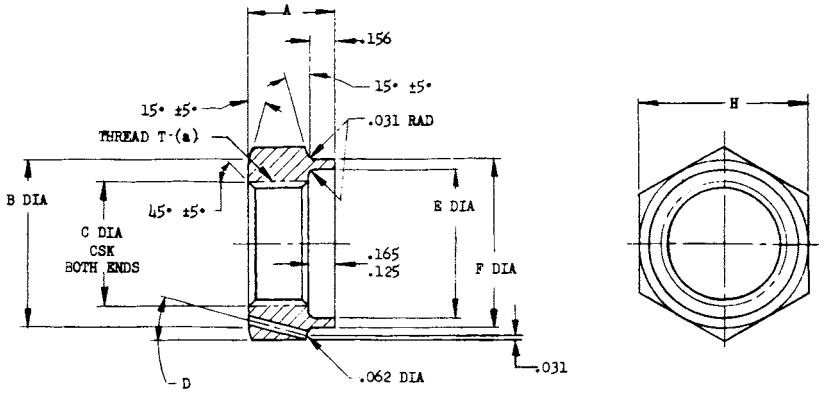
PROCUREMENT SPECIFICATION: MIL-F-18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

NUT, CLUSTER FITTING, RETAINER

AS21937
SHEET 1 OF 3



LOW FLOW SIZE DASH NO.	TUBE OD	THREAD T (a) MIL-S-8879	A	B	C +.015 -.000	D ±2°	E	F	H	WT LB MAX
-4L	1/4	.4375-20 UNJF-3B	.406	.687	.437	14°	.562	.687	.687	.008

HIGH FLOW SIZE DASH NO.	TUBE OD	THREAD T	A	B	C +.015 -.000	D ±2°	E	F	H	WT LB MAX
-4H	1/4	.4375-20 UNJF-3B	.500	1.000	.437	13°	.875	1.000	1.000	.011
-5H	5/16	.5000-20 UNJF-3B			.500					
-6H	3/8	.5625-18 UNJF-3B			.562					.023
-8H	1/2	.7500-16 UNJF-3B			.750					.011

(a) PARTS WITH THREADS IN ACCORDANCE WITH MIL-S-7742 OF THE SAME THREAD SIZE, PITCH AND TOLERANCE CLASS ARE ACCEPTABLE FOR PROCUREMENT UNTIL 1 JULY 1971, BUT PARTS WITH MIL-S-7742 THREADS WILL NOT BE PROCURED THEREAFTER. EXISTING STOCKS ARE TO BE USED UNTIL EXHAUSTED.

1. MATERIAL: ALUMINUM ALLOY - BARS. SEE PROCUREMENT SPECIFICATION.
   ALUMINUM ALLOY - BARS, QQ-A-225/4, TEMPER T6.

2. FINISH: SEE PROCUREMENT SPECIFICATION.
   SURFACE FINISH IN ACCORDANCE WITH ANSI B46.1 - 1962.
   ALL MACHINED SURFACES 125 MICROINCHES RHR MAX., UNLESS OTHERWISE NOTED.

3. NUTS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS.

4. DIMENSIONS INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.010, ANGLES ±1/2°.

5. PART NUMBERS:

   NO CODE LETTER IN PART NUMBER FOR ALUMINUM ALLOY (2024), (2014).
   ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).

   EXAMPLES OF PART NUMBERS:

   MS21937-8H - NUT, 1/2 TUBING, HIGH FLOW ALUMINUM ALLOY (2024), (2014).
   MS21937W8H - NUT, 1/2 TUBING, HIGH FLOW ALUMINUM ALLOY (7075).