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REV.
C

AS5161™

FEDERAL SUPPLY CLASS
4730

RATIONALE

OPTIONAL MATERIALS ADDED TO NOTE 1. QML STATEMENT REVISED. "INTENDED USE" NOTE REVISED TO POINT THE USER TO THE PROCUREMENT SPECIFICATION FOR APPLICABLE PRESSURES. CHANGE BAR NOTE REVISED. TABLE 1 AND NOTE 11 REVISED TO REFLECT CURRENT SPECIFICATION CALLOUT. GENERAL NON-TECHNICAL UPDATES INCORPORATED. CADMIUM WARNING NOTE ADDED.

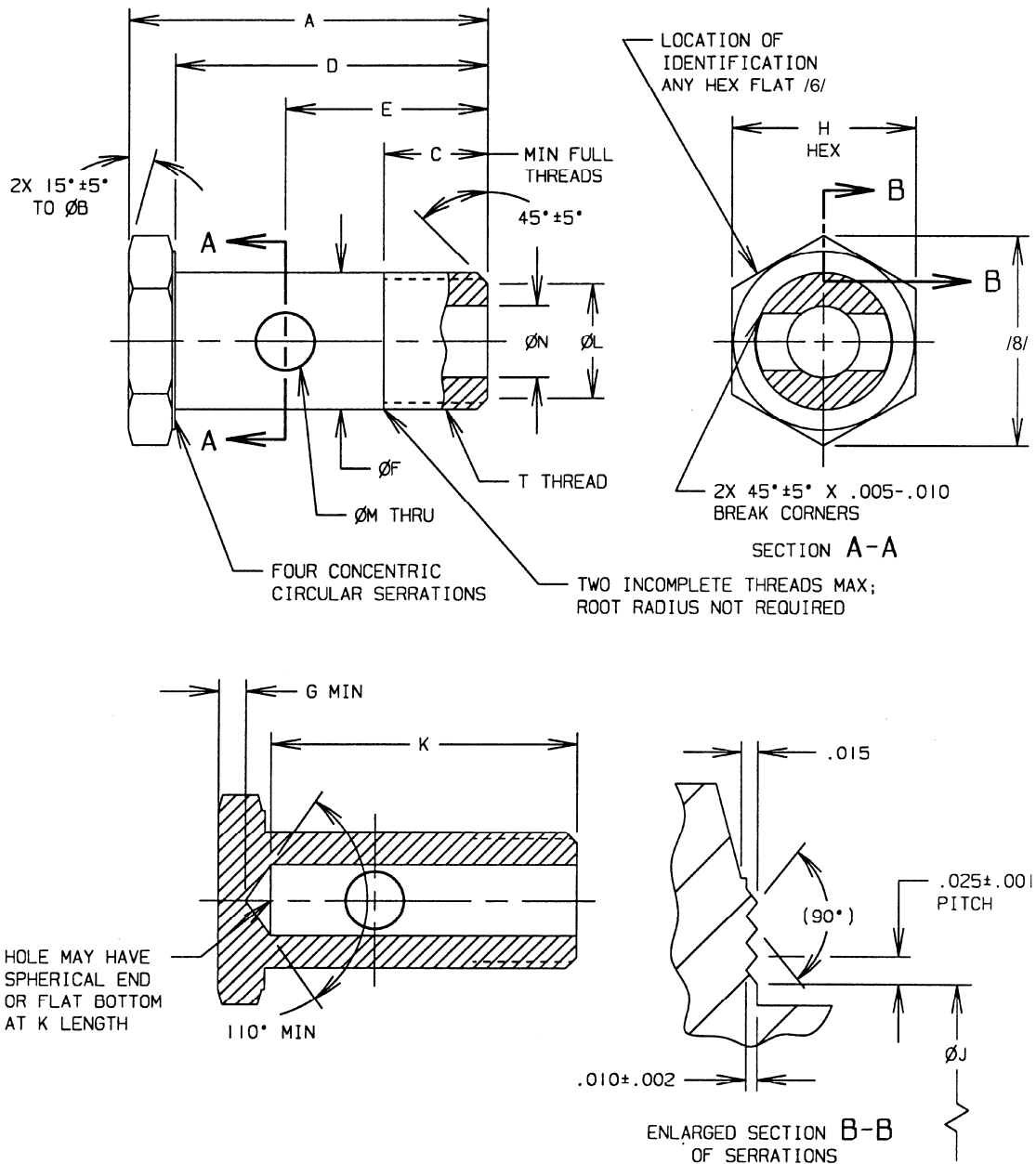
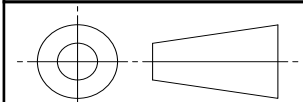


FIGURE 1 - FITTING, BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5161C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4875 /5/



AEROSPACE STANDARD

FITTING, BOLT, FLUID PASSAGE

AS5161™
SHEET 1 OF 4

REV.
C

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TABLE 1A - DIMENSIONS A-G

BASIC NO. AS5161 /16/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A	B ±.010	C	D	E ±.010	F ±.002	G
04	.250	.4375-20 UNJF	1.375	.668	.438	1.188	.781	.433	.109
05	.312	.5000-20 UNJF	1.375	.730	.438	1.188	.781	.496	.125
06	.375	.5625-18 UNJF	1.562	.792	.469	1.344	.875	.558	.125
08	.500	.7500-16 UNJF	1.938	.980	.562	1.688	1.094	.746	.156
10	.625	.8750-14 UNJF	2.250	1.103	.594	1.969	1.250	.871	.156
12	.750	1.0625-12 UNJ	2.625	1.352	.656	2.312	1.468	1.058	.188
16	1.000	1.3125-12 UNJ	3.188	1.603	.656	2.812	1.687	1.308	.188

TABLE 1B - DIMENSIONS H-N AND WEIGHTS

BASIC NO. AS5161 /16/ SIZE CODE	H	J ±.005	K	L	M	N	LB/EA MAX AL	LB/EA MAX STEEL	LB/EA MAX TI
04	.678-.691	.474	1.156	.344	.188	.168-.175	.0112	.0322	.0178
05	.740-.753	.536	1.156	.406	.219	.230-.237	.0152	.0438	.0242
06	.802-.815	.599	1.312	.469	.250	.293-.301	.0234	.0672	.0371
08	.990-1.003	.786	1.656	.625	.312	.387-.395	.0448	.128	.0709
10	1.113-1.128	.911	1.938	.750	.375	.480-.488	.0713	.205	.113
12	1.363-1.380	1.099	2.156	.938	.438	.604-.614	.135	.387	.213
16	1.613-1.630	1.349	2.578	1.188	.625	.839-.851	.276	.791	.437

NOTES:

NOTICE

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

/1/ MATERIAL:

- DASH AS CODE LETTER: TYPE 4130 CARBON STEEL BAR PER AMS-S-6758 OR AMS6370 OR TYPE 4140 PER AMS6349 OR AMS6382. /2/
- CODE LETTER D: TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4339.
- CODE LETTER J: TYPE 304 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS5639.
- CODE LETTER K: TYPE 316 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS5648.
- CODE LETTER R: TYPE 321 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS5645.
- CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928.
- CODE LETTER W: TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124.

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