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REV.
C

AS5176

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS5176C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

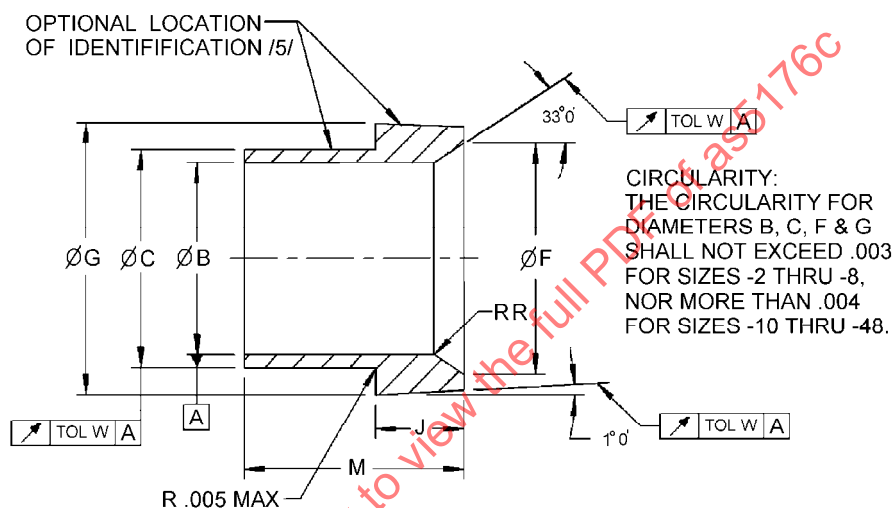
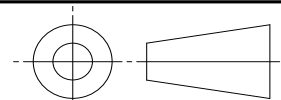


FIGURE 1 - FITTING, SLEEVE

INACTIVE IN PART /18/

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5176C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4841



AEROSPACE STANDARD

FITTING, SLEEVE, FLARED

AS5176
SHEET 1 OF 4

REV.
C

TABLE 1A - DIMENSIONS B - J

BASIC NO. AS5176 /15/ SIZE CODE	(NOMINAL TUBE SIZE)	B +.003 -.000	C +.000 -.003	F ±.005	G +.000 -.003	J
02	.125	.130	.172	.205	.267	.125
03	.188	.193	.234	.267	.329	.141
04	.250	.255	.297	.315	.383	.141
05	.312	.318	.366	.375	.445	.156
06	.375	.380	.432	.441	.502	.172
08	.500	.505	.562	.589	.682	.219
10	.625	.631	.690	.705	.797	.234
12	.750	.756	.826	.880	.972	.266
16	1.000	1.006	1.081	1.130	1.222	.281
20	1.250	1.260	1.339	1.412	1.534	.312
24	1.500	1.510	1.609	1.630	1.784	.344
28	1.750	1.762	1.882	1.945	2.159	.375
32	2.000	2.014	2.159	2.195	2.409	.406
40	2.500	2.516	2.659	2.695	2.911	.469
48	3.000	3.016	3.172	3.195	3.411	.531

TABLE 1B - DIMENSIONS M - W AND WEIGHTS

BASIC NO. AS5176 /15/ SIZE CODE	M	R	W	LB/EA APPROX REF COPPER	LB/EA APPROX REF STEEL	LB/EA APPROX REF TITANIUM
02	.344	.031	.005	.00215	.00203	.00112
03	.406	.031	.005	.00331	.00313	.00173
04	.406	.031	.005	.00407	.00385	.00212
05	.438	.031	.005	.00567	.00536	.00296
06	.500	.047	.005	.00753	.00711	.00392
08	.562	.062	.005	.0154	.0146	.00804
10	.656	.062	.005	.0206	.0195	.0108
12	.688	.078	.005	.0249	.0235	.0130
16	.781	.094	.010	.0485	.0458	.0253
20	.906	.094	.010	.0814	.0767	.0424
24	1.125	.109	.010	.129	.122	.0672
28	1.125	.109	.010	.208	.197	.109
32	1.188	.109	.010	.272	.257	.142
40	1.312	.109	.010	.378	.357	.197
48	1.375	.109	.010	.503	.475	.262



AEROSPACE STANDARD

FITTING, SLEEVE, FLARED

AS5176
SHEET 2 OF 4REV.
C

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:

- a. DASH AS CODE LETTER - TYPE 4130 STEEL BAR PER AMS6370 OR TYPE 4140 STEEL BAR PER AMS6382. /2/
- b. CODE LETTER B - TYPE 360 COPPER ALLOY BAR PER ASTM B 16/ B 16M OR AMS4610.
- c. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS5639.
- d. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS5648.
- e. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS5645.
- f. CODE LETTER S - TYPE 347 CORROSION RESISTANT STEEL BAR PER AMS5646. /18/
- g. CODE LETTER T - 6AL-4V TITANIUM ALLOY BAR PER AMS4928. /16/

/2/ HEAT TREATMENT:

- a. DASH AS CODE LETTER - SEE HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. OTHER MATERIAL CODE LETTERS - NONE.

3. FINISH:

- a. DASH AS CODE LETTER - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, DYE BLACK AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTER B - NONE.
- c. MATERIAL CODE LETTERS J, K, R AND S - PASSIVATE PER AMS2700, TYPE 6 OR 7.
- e. MATERIAL CODE LETTER T - ANODIZE PER AMS2488, TYPE 2 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486.

/4/ PROCUREMENT SPECIFICATION: AS4841 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE NATIONAL AEROSPACE AND DEFENSE CONTRACTORS ACCREDITATION PROGRAM (NADCAP) QUALIFIED MANUFACTURER LIST FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eAuditNet.com.

/5/ IDENTIFICATION AT LOCATION SHOWN: MARK MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK AND MATERIAL CODE LETTER PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3 OR 15B.

6. INTENDED USE: THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES AS SHOWN IN TABLE 2.

	AEROSPACE STANDARD	AS5176 SHEET 3 OF 4	REV. C
	FITTING, SLEEVE, FLARED		