

FEDERAL SUPPLY CLASS  
4730

RATIONALE

GRAPHICS REDRAWN FOR CLARITY. INACTIVE STATUS REPLACED BY "NOT RECOMMENDED". QML STATEMENT REVISED. "INTENDED USE" NOTE REVISED. TABLE 2 REMOVED. USE OF TITANIUM IN OXYGEN AND POTABLE WATER SYSTEM WARNING NOTE REMOVED. IMPLEMENTATION DATE ADDED FOR RECOMMENDED USAGE FOR MATERIAL CODE S. GENERAL UPDATES INCORPORATED.

REV.  
D

AS5176™

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

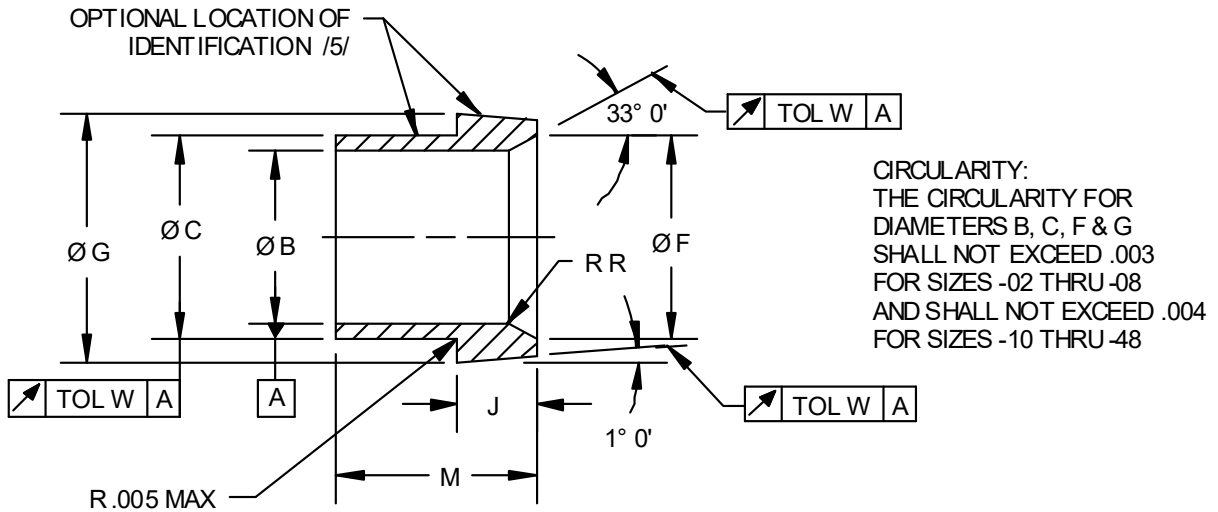
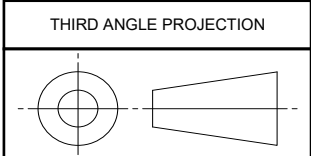


FIGURE 1 - FITTING, SLEEVE

NOT RECOMMENDED IN PART /17/

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS5176D>



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS4841 /4/



AEROSPACE STANDARD

(R) FITTING, SLEEVE, FLARED

AS5176™  
SHEET 1 OF 4

REV.  
D

ISSUED 1999-01 REAFFIRMED 2015-04 REVISED 2020-04

**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**

(R) FITTING, SLEEVE, FLARED

**AS5176™**  
SHEET 2 OF 4**REV.**  
**D**