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REV.  
D

AS5176™

## RATIONALE

FEDERAL SUPPLY CLASS  
4730

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.

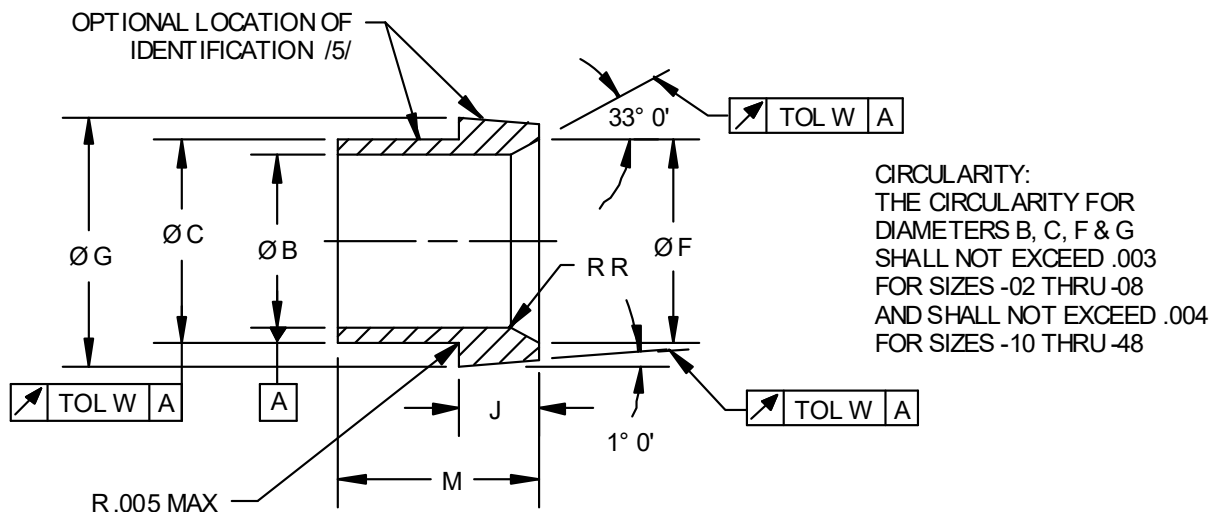
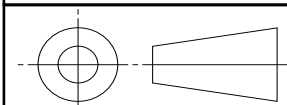


FIGURE 1 - FITTING, SLEEVE

NOT RECOMMENDED IN PART /17/

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

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS4841 /4/



## AEROSPACE STANDARD

(R) FITTING, SLEEVE, FLARED

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TABLE 1A - DIMENSIONS B-J

| BASIC NO.<br>AS5176<br>/15/<br>SIZE CODE | (NOMINAL<br>TUBE<br>SIZE) | B<br>+.003<br>-.000 | C<br>+.000<br>-.003 | F<br>±.005 | G<br>+.000<br>-.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.<br>AS5176<br>/15/<br>SIZE CODE | M     | R    | W    | LB/EA<br>APPROX<br>REF<br>COPPER | LB/EA<br>APPROX<br>REF<br>STEEL | LB/EA<br>APPROX<br>REF<br>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                               |



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