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REV.  
A

AS5973

FEDERAL SUPPLY CLASS  
4730

RATIONALE

ADDED SUFFIX LETTER CODE "B" FOR FITTING ASSEMBLIES WITH BLUE ANODIZED RINGS AND NOTE 15 AS AN OPTION FOR FUTURE REPLACEMENT OF CURRENT BLUE COLOR CODING. ADDED SIZE -20 AND NOTE /13/. REFORMATTED TABLES, CORRECTED ERRORS, REVISED NOTE 7 AND UPDATED WEIGHTS.

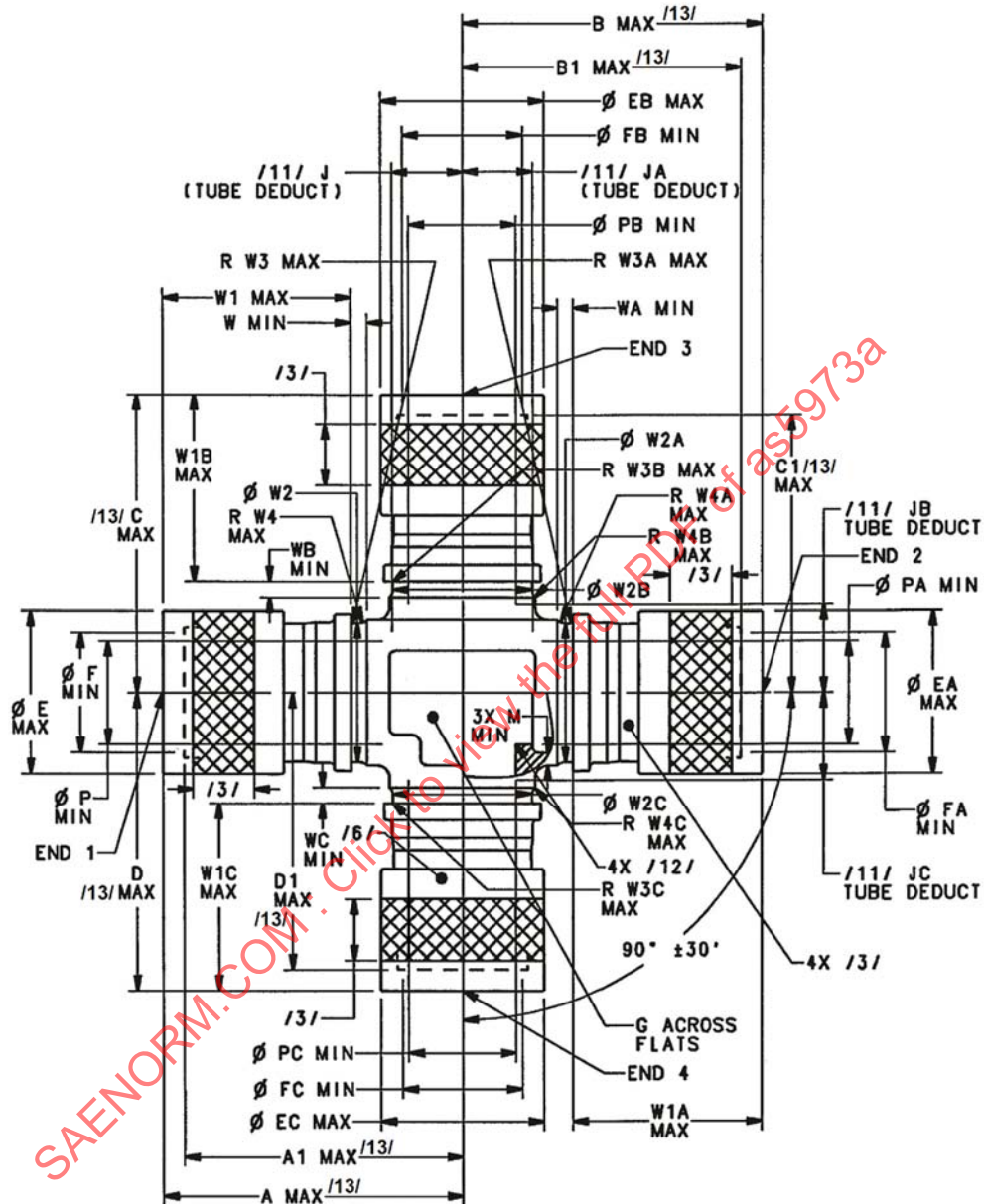
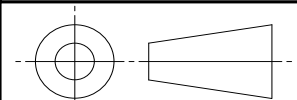


FIGURE 1 - CROSS, AXIAL SWAGE

(SEE TABLE 1A, 1B, 1C, 1D AND 1F FOR DIMENSIONAL INFORMATION)

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

(R) FITTING ASSEMBLY, CROSS,  
AXIALLY SWAGED,  
HYDRAULIC, 5080 PSI

AS5973  
SHEET 1 OF 9

REV.  
A

TABLE 1A - DIMENSIONS A THROUGH D1

| BASIC NO.<br>AS5973 /14/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>PORT 1 | NOMINAL<br>TUBE SIZE<br>PORT 2 | NOMINAL<br>TUBE SIZE<br>PORT 3 | NOMINAL<br>TUBE SIZE<br>PORT 4 | A<br>MAX | A1<br>MAX | B<br>MAX | B1<br>MAX | C<br>MAX | C1<br>MAX | D<br>MAX | D1<br>MAX |
|---------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
| 04040404                              | .2500                          | .2500                          | .2500                          | .2500                          | .935     | .848      | .935     | .848      | .935     | .848      | .935     | .848      |
| 06040404                              | .3750                          | .2500                          | .2500                          | .2500                          | 1.215    | 1.099     | .998     | .911      | .998     | .911      | .998     | .911      |
| 06060404                              | .3750                          | .3750                          | .2500                          | .2500                          | 1.215    | 1.099     | 1.215    | 1.099     | .998     | .911      | .998     | .911      |
| 06040604                              | .3750                          | .2500                          | .3750                          | .2500                          | 1.215    | 1.099     | .998     | .911      | 1.215    | 1.099     | .998     | .911      |
| 06060604                              | .3750                          | .3750                          | .3750                          | .2500                          | 1.215    | 1.099     | 1.215    | 1.099     | 1.215    | 1.099     | .998     | .911      |
| 06060606                              | .3750                          | .3750                          | .3750                          | .3750                          | 1.215    | 1.099     | 1.215    | 1.099     | 1.215    | 1.099     | 1.215    | 1.099     |
| 08060606                              | .5000                          | .3750                          | .3750                          | .3750                          | 1.516    | 1.370     | 1.308    | 1.192     | 1.308    | 1.192     | 1.308    | 1.192     |
| 08080606                              | .5000                          | .5000                          | .3750                          | .3750                          | 1.516    | 1.370     | 1.516    | 1.370     | 1.308    | 1.192     | 1.308    | 1.192     |
| 08060806                              | .5000                          | .3750                          | .5000                          | .3750                          | 1.516    | 1.370     | 1.308    | 1.192     | 1.516    | 1.370     | 1.308    | 1.192     |
| 08080806                              | .5000                          | .5000                          | .5000                          | .3750                          | 1.516    | 1.370     | 1.516    | 1.370     | 1.516    | 1.370     | 1.308    | 1.192     |
| 08080808                              | .5000                          | .5000                          | .5000                          | .5000                          | 1.516    | 1.370     | 1.516    | 1.370     | 1.516    | 1.370     | 1.516    | 1.370     |
| 10080808                              | .6250                          | .5000                          | .5000                          | .5000                          | 1.873    | 1.669     | 1.579    | 1.433     | 1.579    | 1.433     | 1.579    | 1.433     |
| 10100808                              | .6250                          | .6250                          | .5000                          | .5000                          | 1.873    | 1.669     | 1.873    | 1.669     | 1.579    | 1.433     | 1.579    | 1.433     |
| 10081008                              | .6250                          | .5000                          | .6250                          | .5000                          | 1.873    | 1.669     | 1.579    | 1.433     | 1.873    | 1.669     | 1.579    | 1.433     |
| 10101008                              | .6250                          | .6250                          | .6250                          | .5000                          | 1.873    | 1.669     | 1.873    | 1.669     | 1.873    | 1.669     | 1.579    | 1.433     |
| 10101010                              | .6250                          | .6250                          | .6250                          | .6250                          | 1.873    | 1.669     | 1.873    | 1.669     | 1.873    | 1.669     | 1.873    | 1.669     |
| 12101010                              | .7500                          | .6250                          | .6250                          | .6250                          | 2.149    | 1.944     | 1.998    | 1.794     | 1.998    | 1.794     | 1.998    | 1.794     |
| 12121010                              | .7500                          | .7500                          | .6250                          | .6250                          | 2.149    | 1.944     | 2.149    | 1.944     | 1.998    | 1.794     | 1.998    | 1.794     |
| 12101210                              | .7500                          | .6250                          | .7500                          | .6250                          | 2.149    | 1.944     | 1.998    | 1.794     | 2.149    | 1.944     | 1.998    | 1.794     |
| 12121210                              | .7500                          | .7500                          | .7500                          | .6250                          | 2.149    | 1.944     | 2.149    | 1.944     | 2.149    | 1.944     | 1.998    | 1.794     |
| 12121212                              | .7500                          | .7500                          | .7500                          | .7500                          | 2.149    | 1.944     | 2.149    | 1.944     | 2.149    | 1.944     | 2.149    | 1.944     |
| 16121212                              | 1.0000                         | .7500                          | .7500                          | .7500                          | 2.606    | 2.392     | 2.308    | 2.103     | 2.308    | 2.103     | 2.308    | 2.103     |
| 16161212                              | 1.0000                         | 1.0000                         | .7500                          | .7500                          | 2.606    | 2.392     | 2.606    | 2.392     | 2.308    | 2.103     | 2.308    | 2.103     |
| 16121612                              | 1.0000                         | .7500                          | 1.0000                         | .7500                          | 2.606    | 2.392     | 2.308    | 2.103     | 2.606    | 2.392     | 2.308    | 2.103     |
| 16161612                              | 1.0000                         | 1.0000                         | 1.0000                         | .7500                          | 2.606    | 2.392     | 2.606    | 2.392     | 2.608    | 2.392     | 2.308    | 2.103     |
| 16161616                              | 1.0000                         | 1.0000                         | 1.0000                         | 1.0000                         | 2.606    | 2.392     | 2.606    | 2.392     | 2.606    | 2.392     | 2.606    | 2.392     |
| 20202020                              | 1.2500                         | 1.2500                         | 1.2500                         | 1.2500                         | 3.020    | 2.796     | 3.020    | 2.796     | 3.020    | 2.796     | 3.020    | 2.796     |



## AEROSPACE STANDARD

(R) FITTING ASSEMBLY, CROSS,  
AXIALLY SWAGED,  
HYDRAULIC, 5080 PSIAS5973  
SHEET 2 OF 9REV.  
A

TABLE 1B - DIMENSIONS E THROUGH FC

| BASIC NO.<br>AS5973 /14/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>PORT 1 | NOMINAL<br>TUBE SIZE<br>PORT 2 | NOMINAL<br>TUBE SIZE<br>PORT 3 | NOMINAL<br>TUBE SIZE<br>PORT 4 | E<br>MAX | EA<br>MAX | EB<br>MAX | EC<br>MAX | F<br>MIN | FA<br>MIN | FB<br>MIN | FC<br>MIN |
|---------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| 04040404                              | .2500                          | .2500                          | .2500                          | .2500                          | .466     | .466      | .466      | .466      | .253     | .253      | .253      | .253      |
| 06040404                              | .3750                          | .2500                          | .2500                          | .2500                          | .609     | .466      | .466      | .466      | .378     | .253      | .253      | .253      |
| 06060404                              | .3750                          | .3750                          | .2500                          | .2500                          | .609     | .609      | .466      | .466      | .378     | .378      | .253      | .253      |
| 06040604                              | .3750                          | .2500                          | .3750                          | .2500                          | .609     | .466      | .609      | .466      | .378     | .253      | .378      | .253      |
| 06060604                              | .3750                          | .3750                          | .3750                          | .2500                          | .609     | .609      | .609      | .466      | .378     | .378      | .378      | .253      |
| 06060606                              | .3750                          | .3750                          | .3750                          | .3750                          | .609     | .609      | .609      | .609      | .378     | .378      | .378      | .378      |
| 08060606                              | .5000                          | .3750                          | .3750                          | .3750                          | .783     | .609      | .609      | .609      | .504     | .378      | .378      | .378      |
| 08080606                              | .5000                          | .5000                          | .3750                          | .3750                          | .783     | .783      | .609      | .609      | .504     | .504      | .378      | .378      |
| 08060806                              | .5000                          | .3750                          | .5000                          | .3750                          | .783     | .609      | .783      | .609      | .504     | .378      | .504      | .378      |
| 08080806                              | .5000                          | .5000                          | .5000                          | .3750                          | .783     | .783      | .783      | .609      | .504     | .504      | .504      | .378      |
| 08080808                              | .5000                          | .5000                          | .5000                          | .5000                          | .783     | .783      | .783      | .783      | .504     | .504      | .504      | .504      |
| 10080808                              | .6250                          | .5000                          | .5000                          | .5000                          | .939     | .783      | .783      | .783      | .629     | .504      | .504      | .504      |
| 10100808                              | .6250                          | .6250                          | .5000                          | .5000                          | .939     | .939      | .783      | .783      | .629     | .629      | .504      | .504      |
| 10081008                              | .6250                          | .5000                          | .6250                          | .5000                          | .939     | .783      | .939      | .783      | .629     | .504      | .629      | .504      |
| 10101008                              | .6250                          | .6250                          | .6250                          | .5000                          | .939     | .939      | .939      | .783      | .629     | .629      | .629      | .504      |
| 10101010                              | .6250                          | .6250                          | .6250                          | .6250                          | .939     | .939      | .939      | .939      | .629     | .629      | .629      | .629      |
| 12101010                              | .7500                          | .6250                          | .6250                          | .6250                          | 1.122    | .939      | .939      | .939      | .754     | .629      | .629      | .629      |
| 12121010                              | .7500                          | .7500                          | .6250                          | .6250                          | 1.122    | 1.122     | .939      | .939      | .754     | .754      | .629      | .629      |
| 12101210                              | .7500                          | .6250                          | .7500                          | .6250                          | 1.122    | .939      | 1.122     | .939      | .754     | .629      | .754      | .629      |
| 12121210                              | .7500                          | .7500                          | .7500                          | .6250                          | 1.122    | 1.122     | 1.122     | .939      | .754     | .754      | .754      | .629      |
| 12121212                              | .7500                          | .7500                          | .7500                          | .7500                          | 1.122    | 1.122     | 1.122     | 1.122     | .754     | .754      | .754      | .754      |
| 16121212                              | 1.0000                         | .7500                          | .7500                          | .7500                          | 1.495    | 1.122     | 1.122     | 1.122     | 1.004    | .754      | .754      | .754      |
| 16161212                              | 1.0000                         | 1.0000                         | .7500                          | .7500                          | 1.495    | 1.495     | 1.122     | 1.122     | 1.004    | 1.004     | .754      | .754      |
| 16121612                              | 1.0000                         | .7500                          | 1.0000                         | .7500                          | 1.495    | 1.122     | 1.495     | 1.122     | 1.004    | .754      | 1.004     | .754      |
| 16161612                              | 1.0000                         | 1.0000                         | 1.0000                         | .7500                          | 1.495    | 1.495     | 1.495     | 1.122     | 1.004    | 1.004     | 1.004     | .754      |
| 16161616                              | 1.0000                         | 1.0000                         | 1.0000                         | 1.0000                         | 1.495    | 1.495     | 1.495     | 1.495     | 1.004    | 1.004     | 1.004     | 1.004     |
| 20202020                              | 1.2500                         | 1.2500                         | 1.2500                         | 1.2500                         | 1.758    | 1.758     | 1.758     | 1.758     | 1.255    | 1.255     | 1.255     | 1.255     |



## AEROSPACE STANDARD

(R) FITTING ASSEMBLY, CROSS,  
AXIALLY SWAGED,  
HYDRAULIC, 5080 PSIAS5973  
SHEET 3 OF 9REV.  
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TABLE 1C - DIMENSIONS G THROUGH JC

| BASIC NO.<br>AS5973 /14/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>PORT 1 | NOMINAL<br>TUBE SIZE<br>PORT 2 | NOMINAL<br>TUBE SIZE<br>PORT 3 | NOMINAL<br>TUBE SIZE<br>PORT 4 | G             | J /11/<br>TUBE<br>DEDUCT | JA /11/<br>TUBE<br>DEDUCT | JB /11/<br>TUBE<br>DEDUCT | JC /11/<br>TUBE<br>DEDUCT |
|---------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------|--------------------------|---------------------------|---------------------------|---------------------------|
| 04040404                              | .2500                          | .2500                          | .2500                          | .2500                          | .348 - .380   | .353 ± .150              | .353 ± .150               | .353 ± .150               | .353 ± .150               |
| 06040404                              | .3750                          | .2500                          | .2500                          | .2500                          | .477 - .509   | .416 ± .150              | .416 ± .150               | .416 ± .150               | .416 ± .150               |
| 06060404                              | .3750                          | .3750                          | .2500                          | .2500                          | .477 - .509   | .416 ± .150              | .416 ± .150               | .416 ± .150               | .416 ± .150               |
| 06040604                              | .3750                          | .2500                          | .3750                          | .2500                          | .477 - .509   | .416 ± .150              | .416 ± .150               | .416 ± .150               | .416 ± .150               |
| 06060604                              | .3750                          | .3750                          | .3750                          | .2500                          | .477 - .509   | .416 ± .150              | .416 ± .150               | .416 ± .150               | .416 ± .150               |
| 06060606                              | .3750                          | .3750                          | .3750                          | .3750                          | .477 - .509   | .416 ± .150              | .416 ± .150               | .416 ± .150               | .416 ± .150               |
| 08060606                              | .5000                          | .3750                          | .3750                          | .3750                          | .615 - .647   | .517 ± .175              | .509 ± .150               | .509 ± .150               | .509 ± .150               |
| 08080606                              | .5000                          | .5000                          | .3750                          | .3750                          | .615 - .647   | .517 ± .175              | .517 ± .175               | .509 ± .150               | .509 ± .150               |
| 08060806                              | .5000                          | .3750                          | .5000                          | .3750                          | .615 - .647   | .517 ± .175              | .509 ± .150               | .517 ± .175               | .509 ± .150               |
| 08080806                              | .5000                          | .5000                          | .5000                          | .3750                          | .615 - .647   | .517 ± .175              | .517 ± .175               | .517 ± .175               | .509 ± .150               |
| 08080808                              | .5000                          | .5000                          | .5000                          | .5000                          | .615 - .647   | .517 ± .175              | .517 ± .175               | .517 ± .175               | .517 ± .175               |
| 10080808                              | .6250                          | .5000                          | .5000                          | .5000                          | .751 - .783   | .580 ± .175              | .580 ± .175               | .580 ± .175               | .580 ± .175               |
| 10100808                              | .6250                          | .6250                          | .5000                          | .5000                          | .751 - .783   | .580 ± .175              | .580 ± .175               | .580 ± .175               | .580 ± .175               |
| 10081008                              | .6250                          | .5000                          | .6250                          | .5000                          | .751 - .783   | .580 ± .175              | .580 ± .175               | .580 ± .175               | .580 ± .175               |
| 10101008                              | .6250                          | .6250                          | .6250                          | .5000                          | .751 - .783   | .580 ± .175              | .580 ± .175               | .580 ± .175               | .580 ± .175               |
| 10101010                              | .6250                          | .6250                          | .6250                          | .6250                          | .751 - .783   | .580 ± .175              | .580 ± .175               | .580 ± .175               | .580 ± .175               |
| 12101010                              | .7500                          | .6250                          | .6250                          | .6250                          | .893 - .925   | .712 ± .175              | .705 ± .175               | .705 ± .175               | .705 ± .175               |
| 12121010                              | .7500                          | .7500                          | .6250                          | .6250                          | .893 - .925   | .712 ± .175              | .712 ± .175               | .705 ± .175               | .705 ± .175               |
| 12101210                              | .7500                          | .6250                          | .7500                          | .6250                          | .893 - .925   | .712 ± .175              | .705 ± .175               | .712 ± .175               | .705 ± .175               |
| 12121210                              | .7500                          | .7500                          | .7500                          | .6250                          | .893 - .925   | .712 ± .175              | .712 ± .175               | .712 ± .175               | .705 ± .175               |
| 12121212                              | .7500                          | .7500                          | .7500                          | .7500                          | .893 - .925   | .712 ± .175              | .712 ± .175               | .712 ± .175               | .712 ± .175               |
| 16121212                              | 1.0000                         | .7500                          | .7500                          | .7500                          | 1.181 - 1.213 | .878 ± .200              | .871 ± .175               | .871 ± .175               | .871 ± .175               |
| 16161212                              | 1.0000                         | 1.0000                         | .7500                          | .7500                          | 1.181 - 1.213 | .878 ± .200              | .878 ± .200               | .871 ± .175               | .871 ± .175               |
| 16121612                              | 1.0000                         | .7500                          | 1.0000                         | .7500                          | 1.181 - 1.213 | .878 ± .200              | .871 ± .175               | .878 ± .200               | .871 ± .175               |
| 16161612                              | 1.0000                         | 1.0000                         | 1.0000                         | .7500                          | 1.181 - 1.213 | .878 ± .200              | .878 ± .200               | .878 ± .200               | .871 ± .175               |
| 16161616                              | 1.0000                         | 1.0000                         | 1.0000                         | 1.0000                         | 1.181 - 1.213 | .878 ± .200              | .878 ± .200               | .878 ± .200               | .878 ± .200               |
| 20202020                              | 1.2500                         | 1.2500                         | 1.2500                         | 1.2500                         | 1.609 - 1.641 | 1.009 ± .200             | 1.009 ± .200              | 1.009 ± .200              | 1.009 ± .200              |

TABLE 1D - DIMENSIONS M THROUGH WC

| BASIC NO.<br>AS5973 /14/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>PORT 1 | NOMINAL<br>TUBE SIZE<br>PORT 2 | NOMINAL<br>TUBE SIZE<br>PORT 3 | NOMINAL<br>TUBE SIZE<br>PORT 4 | M<br>MIN | P<br>MIN | PA<br>MIN | PB<br>MIN | PC<br>MIN | W<br>MIN | WA<br>MIN | WB<br>MIN | WC<br>MIN |
|---------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| 04040404                              | .2500                          | .2500                          | .2500                          | .2500                          | .043     | .198     | .198      | .198      | .198      | .123     | .123      | .123      | .123      |
| 06040404                              | .3750                          | .2500                          | .2500                          | .2500                          | .045     | .302     | .198      | .198      | .198      | .153     | .123      | .123      | .123      |
| 06060404                              | .3750                          | .3750                          | .2500                          | .2500                          | .045     | .302     | .302      | .198      | .198      | .153     | .153      | .123      | .123      |
| 06040604                              | .3750                          | .2500                          | .3750                          | .2500                          | .045     | .302     | .198      | .302      | .198      | .153     | .123      | .153      | .123      |
| 06060604                              | .3750                          | .3750                          | .3750                          | .2500                          | .045     | .302     | .302      | .302      | .198      | .153     | .153      | .153      | .123      |
| 06060606                              | .3750                          | .3750                          | .3750                          | .3750                          | .045     | .302     | .302      | .302      | .302      | .153     | .153      | .153      | .153      |
| 08060606                              | .5000                          | .3750                          | .3750                          | .3750                          | .052     | .401     | .302      | .302      | .302      | .165     | .153      | .153      | .153      |
| 08080606                              | .5000                          | .5000                          | .3750                          | .3750                          | .052     | .401     | .401      | .302      | .302      | .165     | .165      | .153      | .153      |
| 08060806                              | .5000                          | .3750                          | .5000                          | .3750                          | .052     | .401     | .302      | .401      | .302      | .165     | .153      | .165      | .153      |
| 08080806                              | .5000                          | .5000                          | .5000                          | .3750                          | .052     | .401     | .401      | .401      | .302      | .165     | .165      | .165      | .153      |
| 08080808                              | .5000                          | .5000                          | .5000                          | .5000                          | .052     | .401     | .401      | .401      | .401      | .165     | .165      | .165      | .165      |
| 10080808                              | .6250                          | .5000                          | .5000                          | .5000                          | .057     | .507     | .401      | .401      | .401      | .140     | .165      | .165      | .165      |
| 10100808                              | .6250                          | .6250                          | .5000                          | .5000                          | .057     | .507     | .507      | .401      | .401      | .140     | .140      | .165      | .165      |
| 10081008                              | .6250                          | .5000                          | .6250                          | .5000                          | .057     | .507     | .401      | .507      | .401      | .140     | .165      | .140      | .165      |
| 10101008                              | .6250                          | .6250                          | .6250                          | .5000                          | .057     | .507     | .507      | .507      | .401      | .140     | .140      | .140      | .165      |
| 10101010                              | .6250                          | .6250                          | .6250                          | .6250                          | .057     | .507     | .507      | .507      | .507      | .140     | .140      | .140      | .140      |
| 12101010                              | .7500                          | .6250                          | .6250                          | .6250                          | .065     | .604     | .507      | .507      | .507      | .154     | .140      | .140      | .140      |
| 12121010                              | .7500                          | .7500                          | .6250                          | .6250                          | .065     | .604     | .604      | .507      | .507      | .154     | .154      | .140      | .140      |
| 12101210                              | .7500                          | .6250                          | .7500                          | .6250                          | .065     | .604     | .507      | .604      | .507      | .154     | .140      | .154      | .140      |
| 12121210                              | .7500                          | .7500                          | .7500                          | .6250                          | .065     | .604     | .604      | .604      | .507      | .154     | .154      | .154      | .140      |
| 12121212                              | .7500                          | .7500                          | .7500                          | .7500                          | .065     | .604     | .604      | .604      | .604      | .154     | .154      | .154      | .154      |
| 16121212                              | 1.0000                         | .7500                          | .7500                          | .7500                          | .084     | .802     | .604      | .604      | .604      | .167     | .154      | .154      | .154      |
| 16161212                              | 1.0000                         | 1.0000                         | .7500                          | .7500                          | .084     | .802     | .802      | .604      | .604      | .167     | .167      | .154      | .154      |
| 16121612                              | 1.0000                         | .7500                          | 1.0000                         | .7500                          | .084     | .802     | .604      | .802      | .604      | .167     | .154      | .167      | .154      |
| 16161612                              | 1.0000                         | 1.0000                         | 1.0000                         | .7500                          | .084     | .802     | .802      | .802      | .604      | .167     | .167      | .167      | .154      |
| 16161616                              | 1.0000                         | 1.0000                         | 1.0000                         | 1.0000                         | .084     | .802     | .802      | .802      | .802      | .167     | .167      | .167      | .167      |
| 20202020                              | 1.2500                         | 1.2500                         | 1.2500                         | 1.2500                         | .174     | 1.011    | 1.011     | 1.011     | 1.011     | .185     | .185      | .185      | .185      |



## AEROSPACE STANDARD

 (R) FITTING ASSEMBLY, CROSS,  
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TABLE 1E - DIMENSIONS W1 THROUGH W2C

| BASIC NO.<br>AS5973 /14/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>PORT 1 | NOMINAL<br>TUBE SIZE<br>PORT 2 | NOMINAL<br>TUBE SIZE<br>PORT 3 | NOMINAL<br>TUBE SIZE<br>PORT 4 | W1<br>MAX | W1A<br>MAX | W1B<br>MAX | W1C<br>MAX | W2<br>±.0015 | W2A<br>±.0015 | W2B<br>±.0015 | W2C<br>±.0015 |
|---------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------|------------|------------|------------|--------------|---------------|---------------|---------------|
| 04040404                              | .2500                          | .2500                          | .2500                          | .2500                          | .488      | .488       | .488       | .488       | .3005        | .3005         | .3005         | .3005         |
| 06040404                              | .3750                          | .2500                          | .2500                          | .2500                          | .675      | .488       | .488       | .488       | .4475        | .3005         | .3005         | .3005         |
| 06060404                              | .3750                          | .3750                          | .2500                          | .2500                          | .675      | .675       | .488       | .488       | .4475        | .4475         | .3005         | .3005         |
| 06040604                              | .3750                          | .2500                          | .3750                          | .2500                          | .675      | .488       | .675       | .488       | .4475        | .3005         | .4475         | .3005         |
| 06060604                              | .3750                          | .3750                          | .3750                          | .2500                          | .675      | .675       | .675       | .488       | .4475        | .4475         | .4475         | .3005         |
| 06060606                              | .3750                          | .3750                          | .3750                          | .3750                          | .675      | .675       | .675       | .675       | .4475        | .4475         | .4475         | .4475         |
| 08060606                              | .5000                          | .3750                          | .3750                          | .3750                          | .871      | .675       | .675       | .675       | .5945        | .4475         | .4475         | .4475         |
| 08080606                              | .5000                          | .5000                          | .3750                          | .3750                          | .871      | .871       | .675       | .675       | .5945        | .5945         | .4475         | .4475         |
| 08060806                              | .5000                          | .3750                          | .5000                          | .3750                          | .871      | .675       | .871       | .675       | .5945        | .4475         | .5945         | .4475         |
| 08080806                              | .5000                          | .5000                          | .5000                          | .3750                          | .871      | .871       | .871       | .675       | .5945        | .5945         | .5945         | .4475         |
| 08080808                              | .5000                          | .5000                          | .5000                          | .5000                          | .871      | .871       | .871       | .871       | .5945        | .5945         | .5945         | .5945         |
| 10080808                              | .6250                          | .5000                          | .5000                          | .5000                          | 1.190     | .871       | .871       | .871       | .7365        | .5945         | .5945         | .5945         |
| 10100808                              | .6250                          | .6250                          | .5000                          | .5000                          | 1.190     | 1.190      | .871       | .871       | .7365        | .7365         | .5945         | .5945         |
| 10081008                              | .6250                          | .5000                          | .6250                          | .5000                          | 1.190     | .871       | 1.190      | .871       | .7365        | .5945         | .7365         | .5945         |
| 10101008                              | .6250                          | .6250                          | .6250                          | .5000                          | 1.190     | 1.190      | 1.190      | .871       | .7365        | .7365         | .7365         | .5945         |
| 10101010                              | .6250                          | .6250                          | .6250                          | .6250                          | 1.190     | 1.190      | 1.190      | 1.190      | .7365        | .7365         | .7365         | .7365         |
| 12101010                              | .7500                          | .6250                          | .6250                          | .6250                          | 1.327     | 1.190      | 1.190      | 1.190      | .8805        | .7365         | .7365         | .7365         |
| 12121010                              | .7500                          | .7500                          | .6250                          | .6250                          | 1.327     | 1.327      | 1.190      | 1.190      | .8805        | .8805         | .7365         | .7365         |
| 12101210                              | .7500                          | .6250                          | .7500                          | .6250                          | 1.327     | 1.190      | 1.327      | 1.190      | .8805        | .7365         | .8805         | .7365         |
| 12121210                              | .7500                          | .7500                          | .7500                          | .6250                          | 1.327     | 1.327      | 1.327      | 1.190      | .8805        | .8805         | .8805         | .7365         |
| 12121212                              | .7500                          | .7500                          | .7500                          | .7500                          | 1.327     | 1.327      | 1.327      | 1.327      | .8805        | .8805         | .8805         | .8805         |
| 16121212                              | 1.0000                         | .7500                          | .7500                          | .7500                          | 1.612     | 1.327      | 1.327      | 1.327      | 1.1725       | .8805         | .8805         | .8805         |
| 16161212                              | 1.0000                         | 1.0000                         | .7500                          | .7500                          | 1.612     | 1.612      | 1.327      | 1.327      | 1.1725       | 1.1725        | .8805         | .8805         |
| 16121612                              | 1.0000                         | .7500                          | 1.0000                         | .7500                          | 1.612     | 1.327      | 1.612      | 1.327      | 1.1725       | .8805         | 1.1725        | .8805         |
| 16161612                              | 1.0000                         | 1.0000                         | 1.0000                         | .7500                          | 1.612     | 1.612      | 1.612      | 1.327      | 1.1725       | 1.1725        | 1.1725        | .8805         |
| 16161616                              | 1.0000                         | 1.0000                         | 1.0000                         | 1.0000                         | 1.612     | 1.612      | 1.612      | 1.612      | 1.1725       | 1.1725        | 1.1725        | 1.1725        |
| 20202020                              | 1.2500                         | 1.2500                         | 1.2500                         | 1.2500                         | 1.886     | 1.886      | 1.886      | 1.886      | 1.4345       | 1.4345        | 1.4345        | 1.4345        |



## AEROSPACE STANDARD

 (R) FITTING ASSEMBLY, CROSS,  
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TABLE 1F - DIMENSIONS W3 THROUGH W4C AND WEIGHTS

| BASIC NO.<br>AS5973 /14/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>PORT 1 | NOMINAL<br>TUBE SIZE<br>PORT 2 | NOMINAL<br>TUBE SIZE<br>PORT 3 | NOMINAL<br>TUBE SIZE<br>PORT 4 | W3<br>MAX | W3A<br>MAX | W3B<br>MAX | W3C<br>MAX | W4<br>MAX | W4A<br>MAX | W4B<br>MAX | W4C<br>MAX | WEIGHT<br>LB/EA<br>APPROX.<br>REF. |
|---------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------------------------------|
| 04040404                              | .2500                          | .2500                          | .2500                          | .2500                          | .018      | .018       | .018       | .018       | .065      | .065       | .065       | .065       | .035                               |
| 06040404                              | .3750                          | .2500                          | .2500                          | .2500                          | .033      | .018       | .018       | .018       | .065      | .065       | .065       | .065       | .058                               |
| 06060404                              | .3750                          | .3750                          | .2500                          | .2500                          | .033      | .033       | .018       | .018       | .065      | .065       | .065       | .065       | .058                               |
| 06040604                              | .3750                          | .2500                          | .3750                          | .2500                          | .033      | .018       | .033       | .018       | .065      | .065       | .065       | .065       | .058                               |
| 06060604                              | .3750                          | .3750                          | .3750                          | .2500                          | .033      | .033       | .033       | .018       | .065      | .065       | .065       | .065       | .067                               |
| 06060606                              | .3750                          | .3750                          | .3750                          | .3750                          | .033      | .033       | .033       | .033       | .065      | .065       | .065       | .065       | .076                               |
| 08060606                              | .5000                          | .3750                          | .3750                          | .3750                          | .033      | .033       | .033       | .033       | .129      | .065       | .065       | .065       | .108                               |
| 08080606                              | .5000                          | .5000                          | .3750                          | .3750                          | .033      | .033       | .033       | .033       | .129      | .129       | .065       | .065       | .124                               |
| 08060806                              | .5000                          | .3750                          | .5000                          | .3750                          | .033      | .033       | .033       | .033       | .129      | .065       | .129       | .065       | .124                               |
| 08080806                              | .5000                          | .5000                          | .5000                          | .3750                          | .033      | .033       | .033       | .033       | .129      | .129       | .129       | .065       | .140                               |
| 08080808                              | .5000                          | .5000                          | .5000                          | .5000                          | .033      | .033       | .033       | .033       | .129      | .129       | .129       | .129       | .156                               |
| 10080808                              | .6250                          | .5000                          | .5000                          | .5000                          | .021      | .033       | .033       | .033       | .078      | .129       | .129       | .129       | .200                               |
| 10100808                              | .6250                          | .6250                          | .5000                          | .5000                          | .021      | .021       | .033       | .033       | .078      | .078       | .129       | .129       | .211                               |
| 10081008                              | .6250                          | .5000                          | .6250                          | .5000                          | .021      | .033       | .021       | .033       | .078      | .129       | .078       | .129       | .211                               |
| 10101008                              | .6250                          | .6250                          | .6250                          | .5000                          | .021      | .021       | .021       | .033       | .078      | .078       | .078       | .129       | .230                               |
| 10101010                              | .6250                          | .6250                          | .6250                          | .6250                          | .021      | .021       | .021       | .021       | .078      | .078       | .078       | .078       | .249                               |
| 12101010                              | .7500                          | .6250                          | .6250                          | .6250                          | .024      | .021       | .021       | .021       | .089      | .078       | .078       | .078       | .330                               |
| 12121010                              | .7500                          | .7500                          | .6250                          | .6250                          | .024      | .024       | .021       | .021       | .089      | .089       | .078       | .078       | .354                               |
| 12101210                              | .7500                          | .6250                          | .7500                          | .6250                          | .024      | .021       | .024       | .021       | .089      | .078       | .089       | .078       | .344                               |
| 12121210                              | .7500                          | .7500                          | .7500                          | .6250                          | .024      | .024       | .024       | .021       | .089      | .089       | .089       | .078       | .376                               |
| 12121212                              | .7500                          | .7500                          | .7500                          | .7500                          | .024      | .024       | .024       | .024       | .089      | .089       | .089       | .089       | .408                               |
| 16121212                              | 1.0000                         | .7500                          | .7500                          | .7500                          | .027      | .024       | .024       | .024       | .099      | .089       | .089       | .089       | .634                               |
| 16161212                              | 1.0000                         | 1.0000                         | .7500                          | .7500                          | .027      | .027       | .024       | .024       | .099      | .099       | .089       | .089       | .719                               |
| 16121612                              | 1.0000                         | .7500                          | 1.0000                         | .7500                          | .027      | .024       | .027       | .024       | .099      | .089       | .099       | .089       | .694                               |
| 16161612                              | 1.0000                         | 1.0000                         | 1.0000                         | .7500                          | .027      | .027       | .027       | .024       | .099      | .099       | .099       | .089       | .784                               |
| 16161616                              | 1.0000                         | 1.0000                         | 1.0000                         | 1.0000                         | .027      | .027       | .027       | .027       | .099      | .099       | .099       | .099       | .869                               |
| 20202020                              | 1.2500                         | 1.2500                         | 1.2500                         | 1.2500                         | .030      | .030       | .030       | .030       | .113      | .113       | .113       | .113       | 1.367                              |



## AEROSPACE STANDARD

(R) FITTING ASSEMBLY, CROSS,  
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