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REV.  
D

SAE AS5972

FEDERAL SUPPLY CLASS  
4730

## RATIONALE

ADD CODE LETTER A OPTION FOR FITTINGS WITHOUT BLUE PTFE COATING OR PAINT ON THE RING. FITTINGS WITH UNCOATED/UNPAINTED RINGS ARE NEEDED TO PREVENT COATING/PAINT DEBRIS IN CONTAMINATION SENSITIVE SYSTEMS. REFORMATTED TABLES. CORRECTED ERRORS.

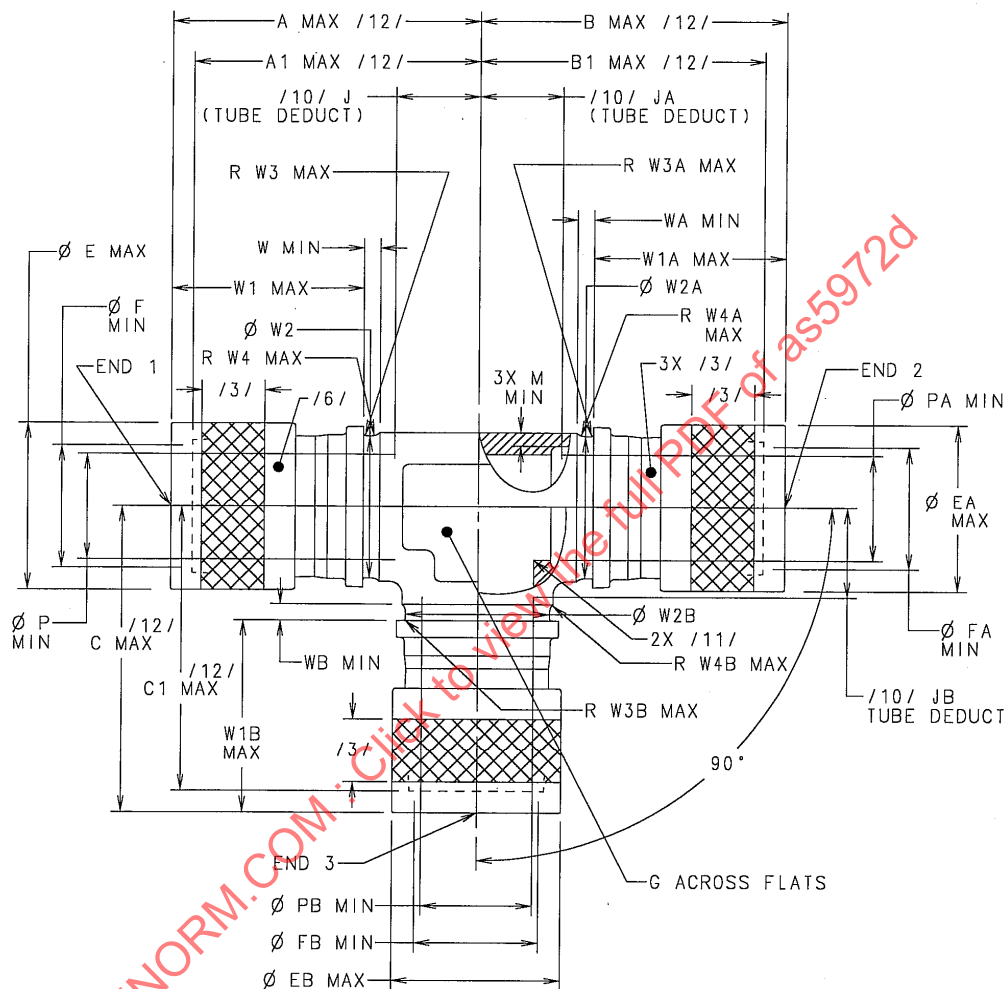
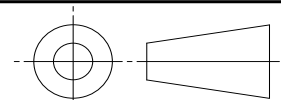


FIGURE 1 - TEE, SWAGE  
SEE TABLES 1A, 1B, 1C, 1D, 1E AND 1F FOR DIMENSIONAL AND WEIGHT INFORMATION

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/

**SAE Aerospace**  
An SAE International Group

## AEROSPACE STANDARD

FITTING ASSEMBLY, TEE  
AXIALLY SWAGED, HYDRAULIC  
5080 PSI

**SAE AS5972**  
SHEET 1 OF 15

REV.  
D

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ISSUED 2006-01 REVISED 2012-05

TABLE 1A - DIMENSIONS A THROUGH E

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | A<br>MAX | A1<br>MAX | B<br>MAX | B1<br>MAX | C<br>MAX | C1<br>MAX | E<br>MAX |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|
| 040404                                | .2500                         | .2500                         | .2500                         | .935     | .848      | .935     | .848      | .935     | .848      | .466     |
| 040406                                | .2500                         | .2500                         | .3750                         | .998     | .911      | .998     | .911      | 1.215    | 1.099     | .466     |
| 060404                                | .3750                         | .2500                         | .2500                         | 1.215    | 1.099     | .998     | .911      | .998     | .911      | .609     |
| 060406                                | .3750                         | .2500                         | .3750                         | 1.215    | 1.099     | .998     | .911      | 1.215    | 1.099     | .609     |
| 060604                                | .3750                         | .3750                         | .2500                         | 1.215    | 1.099     | 1.215    | 1.099     | .998     | .911      | .609     |
| 060606                                | .3750                         | .3750                         | .3750                         | 1.215    | 1.099     | 1.215    | 1.099     | 1.215    | 1.099     | .609     |
| 060608                                | .3750                         | .3750                         | .5000                         | 1.308    | 1.192     | 1.308    | 1.192     | 1.516    | 1.370     | .609     |
| 080408                                | .5000                         | .2500                         | .5000                         | 1.516    | 1.370     | 1.091    | 1.004     | 1.516    | 1.370     | .783     |
| 080604                                | .5000                         | .3750                         | .2500                         | 1.516    | 1.370     | 1.308    | 1.192     | 1.091    | 1.004     | .783     |
| 080606                                | .6250                         | .3750                         | .3750                         | 1.516    | 1.370     | 1.308    | 1.192     | 1.308    | 1.192     | .783     |
| 080608                                | .5000                         | .3750                         | .5000                         | 1.516    | 1.370     | 1.308    | 1.192     | 1.516    | 1.370     | .783     |
| 080610                                | .5000                         | .3750                         | .6250                         | 1.579    | 1.433     | 1.371    | 1.255     | 1.873    | 1.669     | .783     |
| 080804                                | .5000                         | .5000                         | .2500                         | 1.516    | 1.370     | 1.516    | 1.370     | 1.091    | 1.004     | .783     |
| 080806                                | .5000                         | .5000                         | .3750                         | 1.516    | 1.370     | 1.516    | 1.370     | 1.308    | 1.192     | .783     |
| 080808                                | .5000                         | .5000                         | .5000                         | 1.516    | 1.370     | 1.516    | 1.370     | 1.516    | 1.370     | .783     |
| 080810                                | .5000                         | .5000                         | .6250                         | 1.579    | 1.433     | 1.579    | 1.433     | 1.873    | 1.669     | .783     |
| 100410                                | .6250                         | .2500                         | .6250                         | 1.873    | 1.669     | 1.154    | 1.067     | 1.873    | 1.669     | .939     |
| 100412                                | .6250                         | .2500                         | .7500                         | 1.998    | 1.794     | 1.279    | 1.192     | 2.149    | 1.944     | .939     |
| 100604                                | .6250                         | .3750                         | .2500                         | 1.873    | 1.669     | 1.371    | 1.255     | 1.154    | 1.067     | .939     |
| 100606                                | .6250                         | .3750                         | .3750                         | 1.873    | 1.669     | 1.371    | 1.255     | 1.371    | 1.255     | .939     |
| 100608                                | .6250                         | .3750                         | .5000                         | 1.873    | 1.669     | 1.371    | 1.255     | 1.579    | 1.433     | .939     |
| 100610                                | .6250                         | .3750                         | .6250                         | 1.873    | 1.669     | 1.371    | 1.255     | 1.873    | 1.669     | .939     |
| 100612                                | .6250                         | .3750                         | .7500                         | 1.998    | 1.794     | 1.496    | 1.380     | 2.149    | 1.944     | .939     |
| 100806                                | .6250                         | .5000                         | .3750                         | 1.873    | 1.669     | 1.579    | 1.433     | 1.371    | 1.255     | .939     |
| 100808                                | .6250                         | .5000                         | .5000                         | 1.873    | 1.669     | 1.579    | 1.433     | 1.579    | 1.433     | .939     |
| 100810                                | .6250                         | .5000                         | .6250                         | 1.873    | 1.669     | 1.579    | 1.433     | 1.873    | 1.669     | .939     |
| 101004                                | .6250                         | .6250                         | .2500                         | 1.873    | 1.669     | 1.873    | 1.669     | 1.154    | 1.067     | .939     |
| 101006                                | .6250                         | .6250                         | .3750                         | 1.873    | 1.669     | 1.873    | 1.669     | 1.371    | 1.255     | .939     |
| 101008                                | .6250                         | .6250                         | .5000                         | 1.873    | 1.669     | 1.873    | 1.669     | 1.579    | 1.433     | .939     |
| 101010                                | .6250                         | .6250                         | .6250                         | 1.873    | 1.669     | 1.873    | 1.669     | 1.873    | 1.669     | .939     |
| 101012                                | .6250                         | .6250                         | .7500                         | 1.998    | 1.794     | 1.998    | 1.794     | 2.149    | 1.944     | .939     |
| 101016                                | .6250                         | .6250                         | 1.0000                        | 2.157    | 1.953     | 2.157    | 1.953     | 2.606    | 2.392     | .939     |
| 120612                                | .7500                         | .3750                         | .7500                         | 2.149    | 1.944     | 1.496    | 1.380     | 2.149    | 1.944     | 1.122    |
| 120806                                | .7500                         | .5000                         | .3750                         | 2.149    | 1.944     | 1.704    | 1.558     | 1.496    | 1.380     | 1.122    |
| 120808                                | .7500                         | .5000                         | .5000                         | 2.149    | 1.944     | 1.704    | 1.558     | 1.704    | 1.558     | 1.122    |
| 120812                                | .7500                         | .5000                         | .7500                         | 2.149    | 1.944     | 1.704    | 1.558     | 2.149    | 1.944     | 1.122    |
| 120816                                | .7500                         | .5000                         | 1.0000                        | 2.308    | 2.103     | 1.863    | 1.717     | 2.606    | 2.392     | 1.122    |
| 121004                                | .7500                         | .6250                         | .2500                         | 2.149    | 1.944     | 1.998    | 1.794     | 1.279    | 1.192     | 1.122    |
| 121006                                | .7500                         | .6250                         | .3750                         | 2.149    | 1.944     | 1.998    | 1.794     | 1.496    | 1.380     | 1.122    |
| 121008                                | .7500                         | .6250                         | .5000                         | 2.149    | 1.944     | 1.998    | 1.794     | 1.704    | 1.558     | 1.122    |
| 121010                                | .7500                         | .6250                         | .6250                         | 2.149    | 1.944     | 1.998    | 1.794     | 1.998    | 1.794     | 1.122    |
| 121012                                | .7500                         | .6250                         | .7500                         | 2.149    | 1.944     | 1.998    | 1.794     | 2.149    | 1.944     | 1.122    |
| 121016                                | .7500                         | .6250                         | 1.0000                        | 2.308    | 2.103     | 2.157    | 1.953     | 2.606    | 2.392     | 1.122    |
| 121204                                | .7500                         | .7500                         | .2500                         | 2.149    | 1.944     | 2.149    | 1.944     | 1.279    | 1.192     | 1.122    |
| 121206                                | .7500                         | .7500                         | .3750                         | 2.149    | 1.944     | 2.149    | 1.944     | 1.496    | 1.380     | 1.122    |
| 121208                                | .7500                         | .7500                         | .5000                         | 2.149    | 1.944     | 2.149    | 1.944     | 1.704    | 1.558     | 1.122    |
| 121210                                | .7500                         | .7500                         | .6250                         | 2.149    | 1.944     | 2.149    | 1.944     | 1.998    | 1.794     | 1.122    |
| 121212                                | .7500                         | .7500                         | .7500                         | 2.149    | 1.944     | 2.149    | 1.944     | 2.149    | 1.944     | 1.122    |

TABLE 1A - DIMENSIONS A THROUGH E (CONTINUED)

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | A<br>MAX | A1<br>MAX | B<br>MAX | B1<br>MAX | C<br>MAX | C1<br>MAX | E<br>MAX |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|
| 121216                                | .7500                         | .7500                         | 1.0000                        | 2.308    | 2.103     | 2.308    | 2.103     | 2.606    | 2.392     | 1.122    |
| 160816                                | 1.0000                        | .5000                         | 1.0000                        | 2.606    | 2.392     | 1.863    | 1.717     | 2.606    | 2.392     | 1.495    |
| 161008                                | 1.0000                        | .6250                         | .5000                         | 2.606    | 2.392     | 2.157    | 1.953     | 1.863    | 1.717     | 1.495    |
| 161016                                | 1.0000                        | .6250                         | 1.0000                        | 2.606    | 2.392     | 2.157    | 1.953     | 2.606    | 2.392     | 1.495    |
| 161208                                | 1.0000                        | .7500                         | .5000                         | 2.606    | 2.392     | 2.308    | 2.103     | 1.863    | 1.717     | 1.495    |
| 161210                                | 1.0000                        | .7500                         | .6250                         | 2.606    | 2.392     | 2.308    | 2.103     | 2.157    | 1.953     | 1.495    |
| 161212                                | 1.0000                        | .7500                         | .7500                         | 2.606    | 2.392     | 2.308    | 2.103     | 2.308    | 2.103     | 1.495    |
| 161216                                | 1.0000                        | .7500                         | 1.0000                        | 2.606    | 2.392     | 2.308    | 2.103     | 2.606    | 2.392     | 1.495    |
| 161608                                | 1.0000                        | 1.0000                        | .5000                         | 2.606    | 2.392     | 2.606    | 2.392     | 1.863    | 1.717     | 1.495    |
| 161610                                | 1.0000                        | 1.0000                        | .6250                         | 2.606    | 2.392     | 2.606    | 2.392     | 2.157    | 1.953     | 1.495    |
| 161612                                | 1.0000                        | 1.0000                        | .7500                         | 2.606    | 2.392     | 2.606    | 2.392     | 2.308    | 2.103     | 1.495    |
| 161616                                | 1.0000                        | 1.0000                        | 1.0000                        | 2.606    | 2.392     | 2.606    | 2.392     | 2.606    | 2.392     | 1.495    |
| 201020                                | 1.2500                        | .6250                         | 1.2500                        | 3.020    | 2.796     | 2.279    | 2.075     | 3.020    | 2.796     | 1.758    |
| 201210                                | 1.2500                        | .7500                         | .6250                         | 3.020    | 2.796     | 2.430    | 2.225     | 2.279    | 2.075     | 1.758    |
| 201220                                | 1.2500                        | .7500                         | 1.2500                        | 3.020    | 2.796     | 2.430    | 2.225     | 3.020    | 2.796     | 1.758    |
| 201610                                | 1.2500                        | 1.0000                        | .6250                         | 3.020    | 2.796     | 2.728    | 2.514     | 2.279    | 2.075     | 1.758    |
| 201612                                | 1.2500                        | 1.0000                        | .7500                         | 3.020    | 2.796     | 2.728    | 2.514     | 2.430    | 2.225     | 1.758    |
| 201616                                | 1.2500                        | 1.0000                        | 1.0000                        | 3.020    | 2.796     | 2.728    | 2.514     | 2.728    | 2.514     | 1.758    |
| 201620                                | 1.2500                        | 1.0000                        | 1.2500                        | 3.020    | 2.796     | 2.728    | 2.514     | 3.020    | 2.796     | 1.758    |
| 202010                                | 1.2500                        | 1.2500                        | .6250                         | 3.020    | 2.796     | 3.020    | 2.796     | 2.279    | 2.075     | 1.758    |
| 202012                                | 1.2500                        | 1.2500                        | .7500                         | 3.020    | 2.796     | 3.020    | 2.796     | 2.430    | 2.225     | 1.758    |
| 202016                                | 1.2500                        | 1.2500                        | 1.0000                        | 3.020    | 2.796     | 3.020    | 2.796     | 2.728    | 2.514     | 1.758    |
| 202020                                | 1.2500                        | 1.2500                        | 1.2500                        | 3.020    | 2.796     | 3.020    | 2.796     | 3.020    | 2.796     | 1.758    |

TABLE 1B - DIMENSIONS EA THROUGH G

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | EA<br>MAX | EB<br>MAX | F<br>MIN | FA<br>MIN | FB<br>MIN | G         |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|-----------|----------|-----------|-----------|-----------|
| 040404                                | .2500                         | .2500                         | .2500                         | .466      | .466      | .253     | .253      | .253      | .380-.348 |
| 040406                                | .2500                         | .2500                         | .3750                         | .466      | .609      | .253     | .253      | .378      | .509-.477 |
| 060404                                | .3750                         | .2500                         | .2500                         | .466      | .466      | .378     | .253      | .253      | .509-.477 |
| 060406                                | .3750                         | .2500                         | .3750                         | .466      | .609      | .378     | .253      | .378      | .509-.477 |
| 060604                                | .3750                         | .3750                         | .2500                         | .609      | .466      | .378     | .378      | .253      | .509-.477 |
| 060606                                | .3750                         | .3750                         | .3750                         | .609      | .609      | .378     | .378      | .378      | .509-.477 |
| 060608                                | .3750                         | .3750                         | .5000                         | .609      | .783      | .378     | .378      | .504      | .647-.615 |
| 080408                                | .5000                         | .2500                         | .5000                         | .466      | .783      | .504     | .253      | .504      | .647-.615 |
| 080604                                | .5000                         | .3750                         | .2500                         | .609      | .466      | .504     | .378      | .253      | .647-.615 |
| 080606                                | .5000                         | .3750                         | .3750                         | .609      | .609      | .504     | .378      | .378      | .647-.615 |
| 080608                                | .5000                         | .3750                         | .5000                         | .609      | .783      | .504     | .378      | .504      | .647-.615 |
| 080610                                | .5000                         | .3750                         | .6250                         | .609      | .939      | .504     | .378      | .629      | .783-.751 |
| 080804                                | .5000                         | .5000                         | .2500                         | .783      | .466      | .504     | .504      | .253      | .647-.615 |
| 080806                                | .5000                         | .5000                         | .3750                         | .783      | .609      | .504     | .504      | .378      | .647-.615 |
| 080808                                | .5000                         | .5000                         | .5000                         | .783      | .783      | .504     | .504      | .504      | .647-.615 |
| 080810                                | .5000                         | .5000                         | .6250                         | .783      | .939      | .504     | .504      | .629      | .783-.751 |
| 100410                                | .6250                         | .2500                         | .6250                         | .466      | .939      | .629     | .253      | .629      | .783-.751 |
| 100412                                | .6250                         | .2500                         | .7500                         | .466      | 1.122     | .629     | .253      | .754      | .925-.893 |

TABLE 1B - DIMENSIONS EA THROUGH G (CONTINUED)

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | EA<br>MAX | EB<br>MAX | F<br>MIN | FA<br>MIN | FB<br>MIN | G           |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|-----------|----------|-----------|-----------|-------------|
| 100604                                | .6250                         | .3750                         | .2500                         | .609      | .466      | .629     | .378      | .253      | .783-.751   |
| 100606                                | .6250                         | .3750                         | .3750                         | .609      | .609      | .629     | .378      | .378      | .783-.751   |
| 100608                                | .6250                         | .3750                         | .5000                         | .609      | .783      | .629     | .378      | .504      | .783-.751   |
| 100610                                | .6250                         | .3750                         | .6250                         | .609      | .939      | .629     | .378      | .629      | .783-.751   |
| 100612                                | .6250                         | .3750                         | .7500                         | .609      | 1.122     | .629     | .378      | .754      | .925-.893   |
| 100806                                | .6250                         | .5000                         | .3750                         | .783      | .609      | .629     | .504      | .378      | .783-.751   |
| 100808                                | .6250                         | .5000                         | .5000                         | .783      | .783      | .629     | .504      | .504      | .783-.751   |
| 100810                                | .6250                         | .5000                         | .6250                         | .783      | .939      | .629     | .504      | .629      | .783-.751   |
| 101004                                | .6250                         | .6250                         | .2500                         | .939      | .466      | .629     | .629      | .253      | .783-.751   |
| 101006                                | .6250                         | .6250                         | .3750                         | .939      | .609      | .629     | .629      | .378      | .783-.751   |
| 101008                                | .6250                         | .6250                         | .5000                         | .939      | .783      | .629     | .629      | .504      | .783-.751   |
| 101010                                | .6250                         | .6250                         | .6250                         | .939      | .939      | .629     | .629      | .629      | .783-.751   |
| 101012                                | .6250                         | .6250                         | .7500                         | .939      | 1.122     | .629     | .629      | .754      | .925-.893   |
| 101016                                | .6250                         | .6250                         | 1.0000                        | .939      | 1.495     | .629     | .629      | 1.004     | 1.213-1.181 |
| 120612                                | .7500                         | .3750                         | .7500                         | .609      | 1.122     | .754     | .378      | .754      | .925-.893   |
| 120806                                | .7500                         | .5000                         | .3750                         | .783      | .609      | .754     | .504      | .378      | .925-.893   |
| 120808                                | .7500                         | .5000                         | .5000                         | .783      | .783      | .754     | .504      | .504      | .925-.893   |
| 120812                                | .7500                         | .5000                         | .7500                         | .783      | 1.122     | .754     | .504      | .754      | .925-.893   |
| 120816                                | .7500                         | .5000                         | 1.0000                        | .783      | 1.495     | .754     | .504      | 1.004     | 1.213-1.181 |
| 121004                                | .7500                         | .6250                         | .2500                         | .939      | .466      | .754     | .629      | .253      | .925-.893   |
| 121006                                | .7500                         | .6250                         | .3750                         | .939      | .609      | .754     | .629      | .378      | .925-.893   |
| 121008                                | .7500                         | .6250                         | .5000                         | .939      | .783      | .754     | .629      | .504      | .925-.893   |

TABLE 1B - DIMENSIONS EA THROUGH G (CONTINUED)

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | EA<br>MAX | EB<br>MAX | F<br>MIN | FA<br>MIN | FB<br>MIN | G           |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|-----------|----------|-----------|-----------|-------------|
| 121010                                | .7500                         | .6250                         | .6250                         | .939      | .939      | .754     | .629      | .629      | .925-.893   |
| 121012                                | .7500                         | .6250                         | .7500                         | .939      | 1.122     | .754     | .629      | .754      | .925-.893   |
| 121016                                | .7500                         | .6250                         | 1.0000                        | .939      | 1.495     | .754     | .629      | 1.004     | 1.213-1.181 |
| 121204                                | .7500                         | .7500                         | .2500                         | 1.122     | .466      | .754     | .754      | .253      | .925-.893   |
| 121206                                | .7500                         | .7500                         | .3750                         | 1.122     | .609      | .754     | .754      | .378      | .925-.893   |
| 121208                                | .7500                         | .7500                         | .5000                         | 1.122     | .783      | .754     | .754      | .504      | .925-.893   |
| 121210                                | .7500                         | .7500                         | .6250                         | 1.122     | .939      | .754     | .754      | .629      | .925-.893   |
| 121212                                | .7500                         | .7500                         | .7500                         | 1.122     | 1.122     | .754     | .754      | .754      | .925-.893   |
| 121216                                | .7500                         | .7500                         | 1.0000                        | 1.122     | 1.495     | .754     | .754      | 1.004     | 1.213-1.181 |
| 160816                                | 1.0000                        | .5000                         | 1.0000                        | .783      | 1.495     | 1.004    | .504      | 1.004     | 1.213-1.181 |
| 161008                                | 1.0000                        | .6250                         | .5000                         | .939      | .783      | 1.004    | .629      | .504      | 1.213-1.181 |
| 161016                                | 1.0000                        | .6250                         | 1.0000                        | .939      | 1.495     | 1.004    | .629      | 1.004     | 1.213-1.181 |
| 161208                                | 1.0000                        | .7500                         | .5000                         | 1.122     | .783      | 1.004    | .754      | .504      | 1.213-1.181 |
| 161210                                | 1.0000                        | .7500                         | .6250                         | 1.122     | .939      | 1.004    | .754      | .629      | 1.213-1.181 |
| 161212                                | 1.0000                        | .7500                         | .7500                         | 1.122     | 1.122     | 1.004    | .754      | .754      | 1.213-1.181 |
| 161216                                | 1.0000                        | .7500                         | 1.0000                        | 1.122     | 1.495     | 1.004    | .754      | 1.004     | 1.213-1.181 |
| 161608                                | 1.0000                        | 1.0000                        | .5000                         | 1.495     | .783      | 1.004    | 1.004     | .504      | 1.213-1.181 |
| 161610                                | 1.0000                        | 1.0000                        | .6250                         | 1.495     | .939      | 1.004    | 1.004     | .629      | 1.213-1.181 |
| 161612                                | 1.0000                        | 1.0000                        | .7500                         | 1.495     | 1.122     | 1.004    | 1.004     | .754      | 1.213-1.181 |
| 161616                                | 1.0000                        | 1.0000                        | 1.0000                        | 1.495     | 1.495     | 1.004    | 1.004     | 1.004     | 1.213-1.181 |
| 201020                                | 1.2500                        | .6250                         | 1.2500                        | .939      | 1.758     | 1.255    | .629      | 1.255     | 1.641-1.609 |
| 201210                                | 1.2500                        | .7500                         | .6250                         | 1.122     | .939      | 1.255    | .754      | .629      | 1.641-1.609 |
| 201220                                | 1.2500                        | .7500                         | 1.2500                        | 1.122     | 1.758     | 1.255    | .754      | 1.255     | 1.641-1.609 |
| 201610                                | 1.2500                        | 1.0000                        | .6250                         | 1.495     | .939      | 1.255    | 1.004     | .629      | 1.641-1.609 |
| 201612                                | 1.2500                        | 1.0000                        | .7500                         | 1.495     | 1.122     | 1.255    | 1.004     | .754      | 1.641-1.609 |
| 201616                                | 1.2500                        | 1.0000                        | 1.0000                        | 1.495     | 1.495     | 1.255    | 1.004     | 1.004     | 1.641-1.609 |
| 201620                                | 1.2500                        | 1.0000                        | 1.2500                        | 1.495     | 1.758     | 1.255    | 1.004     | 1.255     | 1.641-1.609 |
| 202010                                | 1.2500                        | 1.2500                        | .6250                         | 1.758     | .939      | 1.255    | 1.255     | .629      | 1.641-1.609 |
| 202012                                | 1.2500                        | 1.2500                        | .7500                         | 1.758     | 1.122     | 1.255    | 1.255     | .754      | 1.641-1.609 |
| 202016                                | 1.2500                        | 1.2500                        | 1.0000                        | 1.758     | 1.495     | 1.255    | 1.255     | 1.004     | 1.641-1.609 |
| 202020                                | 1.2500                        | 1.2500                        | 1.2500                        | 1.758     | 1.758     | 1.255    | 1.255     | 1.255     | 1.641-1.609 |

TABLE 1C - DIMENSIONS J THROUGH JB

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | J /10/<br>TUBE DEDUCT. | JA /10/<br>TUBE DEDUCT. | JB /10/<br>TUBE DEDUCT. |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|-------------------------|-------------------------|
| 040404                                | .2500                         | .2500                         | .2500                         | .353 ±.150             | .353 ±.150              | .353 ±.150              |
| 040406                                | .2500                         | .2500                         | .3750                         | .416 ±.150             | .416 ±.150              | .416 ±.150              |
| 060404                                | .3750                         | .2500                         | .2500                         | .416 ±.150             | .416 ±.150              | .416 ±.150              |
| 060406                                | .3750                         | .2500                         | .3750                         | .416 ±.150             | .416 ±.150              | .416 ±.150              |
| 060604                                | .3750                         | .3750                         | .2500                         | .416 ±.150             | .416 ±.150              | .416 ±.150              |
| 060606                                | .3750                         | .3750                         | .3750                         | .416 ±.150             | .416 ±.150              | .416 ±.150              |
| 060608                                | .3750                         | .3750                         | .5000                         | .509 ±.150             | .509 ±.150              | .517 ±.175              |
| 080408                                | .5000                         | .2500                         | .5000                         | .517 ±.175             | .509 ±.150              | .517 ±.175              |
| 080604                                | .5000                         | .3750                         | .2500                         | .517 ±.175             | .509 ±.150              | .509 ±.150              |
| 080606                                | .5000                         | .3750                         | .3750                         | .517 ±.175             | .509 ±.150              | .509 ±.150              |
| 080608                                | .5000                         | .3750                         | .5000                         | .517 ±.175             | .509 ±.150              | .517 ±.175              |
| 080610                                | .5000                         | .3750                         | .6250                         | .580 ±.175             | .572 ±.150              | .580 ±.175              |
| 080804                                | .5000                         | .5000                         | .2500                         | .517 ±.175             | .517 ±.175              | .509 ±.150              |
| 080806                                | .5000                         | .5000                         | .3750                         | .517 ±.175             | .517 ±.175              | .509 ±.150              |
| 080808                                | .5000                         | .5000                         | .5000                         | .517 ±.175             | .517 ±.175              | .517 ±.175              |
| 080810                                | .5000                         | .5000                         | .6250                         | .580 ±.175             | .580 ±.175              | .580 ±.175              |
| 100410                                | .6250                         | .2500                         | .6250                         | .580 ±.175             | .572 ±.150              | .580 ±.175              |
| 100412                                | .6250                         | .2500                         | .7500                         | .705 ±.175             | .697 ±.150              | .712 ±.175              |
| 100604                                | .6250                         | .3750                         | .2500                         | .580 ±.175             | .572 ±.150              | .572 ±.150              |
| 100606                                | .6250                         | .3750                         | .3750                         | .580 ±.175             | .572 ±.150              | .572 ±.150              |
| 100608                                | .6250                         | .3750                         | .5000                         | .580 ±.175             | .572 ±.150              | .580 ±.175              |
| 100610                                | .6250                         | .3750                         | .6250                         | .580 ±.175             | .572 ±.150              | .580 ±.175              |
| 100612                                | .6250                         | .3750                         | .7500                         | .705 ±.175             | .697 ±.150              | .712 ±.175              |
| 100806                                | .6250                         | .5000                         | .3750                         | .580 ±.175             | .580 ±.175              | .572 ±.150              |
| 100808                                | .6250                         | .5000                         | .5000                         | .580 ±.175             | .580 ±.175              | .580 ±.175              |
| 100810                                | .6250                         | .5000                         | .6250                         | .580 ±.175             | .580 ±.175              | .580 ±.175              |
| 101004                                | .6250                         | .6250                         | .2500                         | .580 ±.175             | .580 ±.175              | .572 ±.150              |
| 101006                                | .6250                         | .6250                         | .3750                         | .580 ±.175             | .580 ±.175              | .572 ±.150              |
| 101008                                | .6250                         | .6250                         | .5000                         | .580 ±.175             | .580 ±.175              | .580 ±.175              |
| 101010                                | .6250                         | .6250                         | .6250                         | .580 ±.175             | .580 ±.175              | .580 ±.175              |
| 101012                                | .6250                         | .6250                         | .7500                         | .705 ±.175             | .705 ±.175              | .712 ±.175              |
| 101016                                | .6250                         | .6250                         | 1.0000                        | .864 ±.175             | .864 ±.175              | .878 ±.200              |
| 120612                                | .7500                         | .3750                         | .7500                         | .712 ±.175             | .697 ±.150              | .712 ±.175              |
| 120806                                | .7500                         | .5000                         | .3850                         | .712 ±.175             | .705 ±.175              | .697 ±.150              |
| 120808                                | .7500                         | .5000                         | .5000                         | .712 ±.175             | .705 ±.175              | .705 ±.175              |
| 120812                                | .7500                         | .5000                         | .7500                         | .712 ±.175             | .705 ±.175              | .712 ±.175              |
| 120816                                | .7500                         | .5000                         | 1.0000                        | .878 ±.175             | .864 ±.175              | .878 ±.200              |
| 121004                                | .7500                         | .6250                         | .2500                         | .712 ±.175             | .705 ±.175              | .697 ±.150              |
| 121006                                | .7500                         | .6250                         | .3750                         | .712 ±.175             | .705 ±.175              | .697 ±.150              |
| 121008                                | .7500                         | .6250                         | .5000                         | .712 ±.175             | .705 ±.175              | .705 ±.175              |
| 121010                                | .7500                         | .6250                         | .6250                         | .712 ±.175             | .705 ±.175              | .705 ±.175              |
| 121012                                | .7500                         | .6250                         | .7500                         | .712 ±.175             | .705 ±.175              | .712 ±.175              |
| 121016                                | .7500                         | .6250                         | 1.0000                        | .878 ±.175             | .864 ±.175              | .878 ±.200              |
| 121204                                | .7500                         | .7500                         | .2500                         | .712 ±.175             | .712 ±.175              | .697 ±.150              |
| 121206                                | .7500                         | .7500                         | .3750                         | .712 ±.175             | .712 ±.175              | .697 ±.150              |
| 121208                                | .7500                         | .7500                         | .5000                         | .712 ±.175             | .712 ±.175              | .705 ±.175              |
| 121210                                | .7500                         | .7500                         | .6250                         | .712 ±.175             | .712 ±.175              | .705 ±.175              |
| 121212                                | .7500                         | .7500                         | .7500                         | .712 ±.175             | .712 ±.175              | .712 ±.175              |

TABLE 1C - DIMENSIONS J THROUGH JB (CONTINUED)

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | J /10/<br>TUBE DEDUCT. |       | JA /10/<br>TUBE DEDUCT. |       | JB /10/<br>TUBE DEDUCT. |       |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|-------|-------------------------|-------|-------------------------|-------|
| 121216                                | .7500                         | .7500                         | 1.0000                        | .878                   | ±.175 | .878                    | ±.175 | .878                    | ±.200 |
| 160816                                | 1.0000                        | .5000                         | 1.0000                        | .878                   | ±.200 | .864                    | ±.175 | .878                    | ±.200 |
| 161008                                | 1.0000                        | .6250                         | .5000                         | .878                   | ±.200 | .864                    | ±.175 | .864                    | ±.175 |
| 161016                                | 1.0000                        | .6250                         | 1.0000                        | .878                   | ±.200 | .864                    | ±.175 | .878                    | ±.200 |
| 161208                                | 1.0000                        | .7500                         | .5000                         | .878                   | ±.200 | .864                    | ±.175 | .864                    | ±.175 |
| 161210                                | 1.0000                        | .7500                         | .6250                         | .878                   | ±.200 | .878                    | ±.175 | .864                    | ±.175 |
| 161212                                | 1.0000                        | .7500                         | .7500                         | .878                   | ±.200 | .878                    | ±.175 | .878                    | ±.175 |
| 161216                                | 1.0000                        | .7500                         | 1.0000                        | .878                   | ±.200 | .878                    | ±.175 | .878                    | ±.175 |
| 161608                                | 1.0000                        | 1.0000                        | .5000                         | .878                   | ±.200 | .878                    | ±.200 | .864                    | ±.175 |
| 161610                                | 1.0000                        | 1.0000                        | .6250                         | .878                   | ±.200 | .878                    | ±.200 | .864                    | ±.175 |
| 161612                                | 1.0000                        | 1.0000                        | .7500                         | .878                   | ±.200 | .878                    | ±.200 | .878                    | ±.175 |
| 161616                                | 1.0000                        | 1.0000                        | 1.0000                        | .878                   | ±.200 | .878                    | ±.200 | .878                    | ±.200 |
| 201020                                | 1.2500                        | .6250                         | 1.2500                        | 1.009                  | ±.200 | .986                    | ±.175 | 1.009                   | ±.200 |
| 201210                                | 1.2500                        | .7500                         | .6250                         | 1.009                  | ±.200 | .993                    | ±.175 | .986                    | ±.175 |
| 201220                                | 1.2500                        | .7500                         | 1.2500                        | 1.009                  | ±.200 | .993                    | ±.175 | 1.009                   | ±.200 |
| 201610                                | 1.2500                        | 1.0000                        | .6250                         | 1.009                  | ±.200 | 1.000                   | ±.200 | .986                    | ±.175 |
| 201612                                | 1.2500                        | 1.0000                        | .7500                         | 1.009                  | ±.200 | 1.000                   | ±.200 | .993                    | ±.175 |
| 201616                                | 1.2500                        | 1.0000                        | 1.0000                        | 1.009                  | ±.200 | 1.000                   | ±.200 | 1.000                   | ±.200 |
| 201620                                | 1.2500                        | 1.0000                        | 1.2500                        | 1.009                  | ±.200 | 1.000                   | ±.200 | 1.009                   | ±.200 |
| 202010                                | 1.2500                        | 1.2500                        | .6250                         | 1.009                  | ±.200 | 1.009                   | ±.200 | .986                    | ±.175 |
| 202012                                | 1.2500                        | 1.2500                        | .7500                         | 1.009                  | ±.200 | 1.009                   | ±.200 | .993                    | ±.175 |
| 202016                                | 1.2500                        | 1.2500                        | 1.0000                        | 1.009                  | ±.200 | 1.009                   | ±.200 | 1.000                   | ±.200 |
| 202020                                | 1.2500                        | 1.2500                        | 1.2500                        | 1.009                  | ±.200 | 1.009                   | ±.200 | 1.009                   | ±.200 |

TABLE 1D - DIMENSIONS M THROUGH WB

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | M<br>MIN | P<br>MIN | PA<br>MIN | PB<br>MIN | W<br>MIN | WA<br>MIN | WB<br>MIN |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|----------|----------|-----------|-----------|----------|-----------|-----------|
| 040404                                | .2500                         | .2500                         | .2500                         | .043     | .198     | .198      | .198      | .123     | .123      | .123      |
| 040406                                | .2500                         | .2500                         | .3750                         | .045     | .198     | .198      | .302      | .123     | .123      | .153      |
| 060404                                | .3750                         | .2500                         | .2500                         | .045     | .302     | .198      | .198      | .153     | .123      | .123      |
| 060406                                | .3750                         | .2500                         | .3750                         | .045     | .302     | .198      | .302      | .153     | .123      | .153      |
| 060604                                | .3750                         | .3750                         | .2500                         | .045     | .302     | .302      | .198      | .153     | .153      | .123      |
| 060606                                | .3750                         | .3750                         | .3750                         | .045     | .302     | .302      | .302      | .153     | .153      | .153      |
| 060608                                | .3750                         | .3750                         | .5000                         | .052     | .302     | .302      | .401      | .153     | .153      | .165      |
| 080408                                | .5000                         | .2500                         | .5000                         | .052     | .401     | .198      | .401      | .165     | .123      | .165      |
| 080604                                | .5000                         | .3750                         | .2500                         | .052     | .401     | .302      | .198      | .165     | .153      | .123      |
| 080606                                | .5000                         | .3750                         | .3750                         | .052     | .401     | .302      | .302      | .165     | .153      | .153      |
| 080608                                | .5000                         | .3750                         | .5000                         | .052     | .401     | .302      | .401      | .165     | .153      | .165      |
| 080610                                | .5000                         | .3750                         | .6250                         | .057     | .401     | .302      | .507      | .165     | .153      | .140      |
| 080804                                | .5000                         | .5000                         | .2500                         | .052     | .401     | .401      | .198      | .165     | .165      | .123      |
| 080806                                | .5000                         | .5000                         | .3750                         | .052     | .401     | .401      | .302      | .165     | .165      | .153      |
| 080808                                | .5000                         | .5000                         | .5000                         | .052     | .401     | .401      | .401      | .165     | .165      | .165      |
| 080810                                | .5000                         | .5000                         | .6250                         | .057     | .401     | .401      | .507      | .165     | .165      | .140      |
| 100410                                | .6250                         | .2500                         | .6250                         | .057     | .507     | .198      | .507      | .140     | .123      | .140      |
| 100412                                | .6250                         | .2500                         | .7500                         | .065     | .507     | .198      | .604      | .140     | .123      | .154      |
| 100604                                | .6250                         | .3750                         | .2500                         | .057     | .507     | .302      | .198      | .140     | .153      | .123      |
| 100606                                | .6250                         | .3750                         | .3750                         | .057     | .507     | .302      | .302      | .140     | .153      | .153      |
| 100608                                | .6250                         | .3750                         | .5000                         | .057     | .507     | .302      | .401      | .140     | .153      | .165      |
| 100610                                | .6250                         | .3750                         | .6250                         | .057     | .507     | .302      | .507      | .140     | .153      | .140      |
| 100612                                | .6250                         | .3750                         | .7500                         | .065     | .507     | .302      | .604      | .140     | .153      | .154      |
| 100806                                | .6250                         | .5000                         | .3750                         | .057     | .507     | .401      | .302      | .140     | .165      | .153      |
| 100808                                | .6250                         | .5000                         | .5000                         | .057     | .507     | .401      | .401      | .140     | .165      | .165      |
| 100810                                | .6250                         | .5000                         | .6250                         | .057     | .507     | .401      | .507      | .140     | .165      | .140      |
| 101004                                | .6250                         | .6250                         | .2500                         | .057     | .507     | .507      | .198      | .140     | .140      | .123      |
| 101006                                | .6250                         | .6250                         | .3750                         | .057     | .507     | .507      | .302      | .140     | .140      | .153      |
| 101008                                | .6250                         | .6250                         | .5000                         | .057     | .507     | .507      | .401      | .140     | .140      | .165      |
| 101010                                | .6250                         | .6250                         | .6250                         | .057     | .507     | .507      | .507      | .140     | .140      | .140      |
| 101012                                | .6250                         | .6250                         | .7500                         | .065     | .507     | .507      | .604      | .140     | .140      | .154      |
| 101016                                | .6250                         | .6250                         | 1.0000                        | .084     | .507     | .507      | .802      | .140     | .140      | .167      |
| 120612                                | .7500                         | .3750                         | .7500                         | .065     | .604     | .302      | .604      | .154     | .153      | .154      |
| 120806                                | .7500                         | .5000                         | .3750                         | .065     | .604     | .401      | .302      | .154     | .165      | .153      |
| 120808                                | .7500                         | .5000                         | .5000                         | .065     | .604     | .401      | .401      | .154     | .165      | .165      |
| 120812                                | .7500                         | .5000                         | .7500                         | .065     | .604     | .401      | .604      | .154     | .165      | .154      |
| 120816                                | .7500                         | .5000                         | 1.0000                        | .084     | .604     | .401      | .802      | .154     | .165      | .167      |
| 121004                                | .7500                         | .6250                         | .2500                         | .065     | .604     | .507      | .198      | .154     | .140      | .123      |
| 121006                                | .7500                         | .6250                         | .3750                         | .065     | .604     | .507      | .302      | .154     | .140      | .153      |
| 121008                                | .7500                         | .6250                         | .5000                         | .065     | .604     | .507      | .401      | .154     | .140      | .165      |

TABLE 1D - DIMENSIONS M THROUGH WB (CONTINUED)

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | M<br>MIN | P<br>MIN | PA<br>MIN | PB<br>MIN | W<br>MIN | WA<br>MIN | WB<br>MIN |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|----------|----------|-----------|-----------|----------|-----------|-----------|
| 121010                                | .7500                         | .6250                         | .6250                         | .065     | .604     | .507      | .507      | .154     | .140      | .140      |
| 121012                                | .7500                         | .6250                         | .7500                         | .065     | .604     | .507      | .604      | .154     | .140      | .154      |
| 121016                                | .7500                         | .6250                         | 1.0000                        | .084     | .604     | .507      | .802      | .154     | .140      | .167      |
| 121204                                | .7500                         | .7500                         | .2500                         | .065     | .604     | .604      | .198      | .154     | .154      | .123      |
| 121206                                | .7500                         | .7500                         | .3750                         | .065     | .604     | .604      | .302      | .154     | .154      | .153      |
| 121208                                | .7500                         | .7500                         | .5000                         | .065     | .604     | .604      | .401      | .154     | .154      | .165      |
| 121210                                | .7500                         | .7500                         | .6250                         | .065     | .604     | .604      | .507      | .154     | .154      | .140      |
| 121212                                | .7500                         | .7500                         | .7500                         | .065     | .604     | .604      | .604      | .154     | .154      | .154      |
| 121216                                | .7500                         | .7500                         | 1.0000                        | .084     | .604     | .604      | .802      | .154     | .154      | .167      |
| 160816                                | 1.0000                        | .5000                         | 1.0000                        | .084     | .802     | .401      | .802      | .167     | .165      | .167      |
| 161008                                | 1.0000                        | .6250                         | .5000                         | .084     | .802     | .507      | .401      | .167     | .140      | .165      |
| 161016                                | 1.0000                        | .6250                         | 1.0000                        | .084     | .802     | .507      | .802      | .167     | .140      | .167      |
| 161208                                | 1.0000                        | .7500                         | .5000                         | .084     | .802     | .604      | .401      | .167     | .154      | .165      |
| 161210                                | 1.0000                        | .7500                         | .6250                         | .084     | .802     | .604      | .507      | .167     | .154      | .140      |
| 161212                                | 1.0000                        | .7500                         | .7500                         | .084     | .802     | .604      | .604      | .167     | .154      | .154      |
| 161216                                | 1.0000                        | .7500                         | 1.0000                        | .084     | .802     | .604      | .802      | .167     | .154      | .167      |
| 161608                                | 1.0000                        | 1.0000                        | .5000                         | .084     | .802     | .802      | .401      | .167     | .167      | .165      |
| 161610                                | 1.0000                        | 1.0000                        | .6250                         | .084     | .802     | .802      | .507      | .167     | .167      | .140      |
| 161612                                | 1.0000                        | 1.0000                        | .7500                         | .084     | .802     | .802      | .604      | .167     | .167      | .154      |
| 161616                                | 1.0000                        | 1.0000                        | 1.0000                        | .084     | .802     | .802      | .802      | .167     | .167      | .167      |
| 201020                                | 1.2500                        | .6250                         | 1.2500                        | .174     | 1.011    | .507      | 1.011     | .185     | .140      | .185      |
| 201210                                | 1.2500                        | .7500                         | .6250                         | .174     | 1.011    | .604      | .507      | .185     | .154      | .140      |
| 201220                                | 1.2500                        | .7500                         | 1.2500                        | .174     | 1.011    | .604      | 1.011     | .185     | .154      | .185      |
| 201610                                | 1.2500                        | 1.0000                        | .6250                         | .174     | 1.011    | .802      | .507      | .185     | .167      | .140      |
| 201612                                | 1.2500                        | 1.0000                        | .7500                         | .174     | 1.011    | .802      | .604      | .185     | .167      | .154      |
| 201616                                | 1.2500                        | 1.0000                        | 1.0000                        | .174     | 1.011    | .802      | .802      | .185     | .167      | .167      |
| 201620                                | 1.2500                        | 1.0000                        | 1.2500                        | .174     | 1.011    | .802      | 1.011     | .185     | .167      | .185      |
| 202010                                | 1.2500                        | 1.2500                        | .6250                         | .174     | 1.011    | 1.011     | .507      | .185     | .185      | .140      |
| 202012                                | 1.2500                        | 1.2500                        | .7500                         | .174     | 1.011    | 1.011     | .604      | .185     | .185      | .154      |
| 202016                                | 1.2500                        | 1.2500                        | 1.0000                        | .174     | 1.011    | 1.011     | .802      | .185     | .185      | .167      |
| 202020                                | 1.2500                        | 1.2500                        | 1.2500                        | .174     | 1.011    | 1.011     | 1.011     | .185     | .185      | .185      |

TABLE 1E - DIMENSIONS W1 THROUGH W2B

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | W1<br>MAX | W1A<br>MAX | W1B<br>MAX | W2<br>±.0015 | W2A<br>±.0015 | W2B<br>±.0015 |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|------------|------------|--------------|---------------|---------------|
| 040404                                | .2500                         | .2500                         | .2500                         | .488      | .488       | .488       | .3005        | .3005         | .3005         |
| 040406                                | .2500                         | .2500                         | .3750                         | .488      | .488       | .675       | .3005        | .3005         | .4475         |
| 060404                                | .3750                         | .2500                         | .2500                         | .675      | .488       | .488       | .4475        | .3005         | .3005         |
| 060406                                | .3750                         | .2500                         | .3750                         | .675      | .488       | .675       | .4475        | .3005         | .4475         |
| 060604                                | .3750                         | .3750                         | .2500                         | .675      | .675       | .488       | .4475        | .4475         | .3005         |
| 060606                                | .3750                         | .3750                         | .3750                         | .675      | .675       | .675       | .4475        | .4475         | .4475         |
| 060608                                | .3750                         | .3750                         | .5000                         | .675      | .675       | .871       | .4475        | .4475         | .5945         |
| 080408                                | .5000                         | .2500                         | .5000                         | .871      | .488       | .871       | .5945        | .3005         | .5945         |
| 080604                                | .5000                         | .3750                         | .2500                         | .871      | .675       | .488       | .5945        | .4475         | .3005         |
| 080606                                | .6250                         | .3750                         | .3750                         | .871      | .675       | .675       | .5945        | .4475         | .4475         |
| 080608                                | .5000                         | .3750                         | .5000                         | .871      | .675       | .871       | .5945        | .4475         | .5945         |
| 080610                                | .5000                         | .3750                         | .6250                         | .871      | .675       | 1.190      | .5945        | .4475         | .7365         |

TABLE 1E - DIMENSIONS W1 THROUGH W2B (CONTINUED)

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | W1<br>MAX | W1A<br>MAX | W1B<br>MAX | W2<br>±.0015 | W2A<br>±.0015 | W2B<br>±.0015 |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|------------|------------|--------------|---------------|---------------|
| 080804                                | .5000                         | .5000                         | .2500                         | .871      | .871       | .488       | .5945        | .5945         | .3005         |
| 080806                                | .5000                         | .5000                         | .3750                         | .871      | .871       | .675       | .5945        | .5945         | .4475         |
| 080808                                | .5000                         | .5000                         | .5000                         | .871      | .871       | .871       | .5945        | .5945         | .5945         |
| 080810                                | .5000                         | .5000                         | .6250                         | .871      | .871       | 1.190      | .5945        | .5945         | .7365         |
| 100410                                | .6250                         | .2500                         | .6250                         | 1.190     | .488       | 1.190      | .7365        | .3005         | .7365         |
| 100412                                | .6250                         | .2500                         | .7500                         | 1.190     | .488       | 1.327      | .7365        | .3005         | .8805         |
| 100604                                | .6250                         | .3750                         | .2500                         | 1.190     | .675       | .488       | .7365        | .4475         | .3005         |
| 100606                                | .6250                         | .3750                         | .3750                         | 1.190     | .675       | .675       | .7365        | .4475         | .4475         |
| 100608                                | .6250                         | .3750                         | .5000                         | 1.190     | .675       | .871       | .7365        | .4475         | .5945         |
| 100610                                | .6250                         | .3750                         | .6250                         | 1.190     | .675       | 1.190      | .7365        | .4475         | .7365         |
| 100612                                | .6250                         | .3750                         | .7500                         | 1.190     | .675       | 1.327      | .7365        | .4475         | .8805         |
| 100806                                | .6250                         | .5000                         | .3750                         | 1.190     | .871       | .675       | .7365        | .5945         | .4475         |
| 100808                                | .6250                         | .5000                         | .5000                         | 1.190     | .871       | .871       | .7365        | .5945         | .5945         |
| 100810                                | .6250                         | .5000                         | .6250                         | 1.190     | .871       | 1.190      | .7365        | .5945         | .7365         |
| 101004                                | .6250                         | .6250                         | .2500                         | 1.190     | 1.190      | .488       | .7365        | .7365         | .3005         |
| 101006                                | .6250                         | .6250                         | .3750                         | 1.190     | 1.190      | .675       | .7365        | .7365         | .4475         |
| 101008                                | .6250                         | .6250                         | .5000                         | 1.190     | 1.190      | .871       | .7365        | .7365         | .5945         |
| 101010                                | .6250                         | .6250                         | .6250                         | 1.190     | 1.190      | 1.190      | .7365        | .7365         | .7365         |
| 101012                                | .6250                         | .6250                         | .7500                         | 1.190     | 1.190      | 1.327      | .7365        | .7365         | .8805         |
| 101016                                | .6250                         | .6250                         | 1.0000                        | 1.190     | 1.190      | 1.612      | .7365        | .7365         | 1.1725        |
| 120612                                | .7500                         | .3750                         | .7500                         | 1.327     | .675       | 1.327      | .8805        | .4475         | .8805         |
| 120806                                | .7500                         | .5000                         | .3750                         | 1.327     | .871       | .675       | .8805        | .5945         | .4475         |
| 120808                                | .7500                         | .5000                         | .5000                         | 1.327     | .871       | .871       | .8805        | .5945         | .5945         |
| 120812                                | .7500                         | .5000                         | .7500                         | 1.327     | .871       | 1.327      | .8805        | .5945         | .8805         |
| 120816                                | .7500                         | .5000                         | 1.0000                        | 1.327     | .871       | 1.612      | .8805        | .5945         | 1.1725        |
| 121004                                | .7500                         | .6250                         | .2500                         | 1.327     | 1.190      | .488       | .8805        | .7365         | .3005         |
| 121006                                | .7500                         | .6250                         | .3750                         | 1.327     | 1.190      | .675       | .8805        | .7365         | .4475         |
| 121008                                | .7500                         | .6250                         | .5000                         | 1.327     | 1.190      | .871       | .8805        | .7365         | .5945         |
| 121010                                | .7500                         | .6250                         | .6250                         | 1.327     | 1.190      | 1.190      | .8805        | .7365         | .7365         |
| 121012                                | .7500                         | .6250                         | .7500                         | 1.327     | 1.190      | 1.327      | .8805        | .7365         | .8805         |
| 121016                                | .7500                         | .6250                         | 1.0000                        | 1.327     | 1.190      | 1.612      | .8805        | .7365         | 1.1725        |
| 121204                                | .7500                         | .7500                         | .2500                         | 1.327     | 1.327      | .488       | .8805        | .8805         | .3005         |
| 121206                                | .7500                         | .7500                         | .3750                         | 1.327     | 1.327      | .675       | .8805        | .8805         | .4475         |
| 121208                                | .7500                         | .7500                         | .5000                         | 1.327     | 1.327      | .871       | .8805        | .8805         | .5945         |
| 121210                                | .7500                         | .7500                         | .6250                         | 1.327     | 1.327      | 1.190      | .8805        | .8805         | .7365         |
| 121212                                | .7500                         | .7500                         | .7500                         | 1.327     | 1.327      | 1.327      | .8805        | .8805         | .8805         |
| 121216                                | .7500                         | .7500                         | 1.0000                        | 1.327     | 1.327      | 1.612      | .8805        | .8805         | 1.1725        |
| 160816                                | 1.0000                        | .5000                         | 1.0000                        | 1.612     | .871       | 1.612      | 1.1725       | .5945         | 1.1725        |
| 161008                                | 1.0000                        | .6250                         | .5000                         | 1.612     | 1.190      | .871       | 1.1725       | .7365         | .5945         |
| 161016                                | 1.0000                        | .6250                         | 1.0000                        | 1.612     | 1.190      | 1.612      | 1.1725       | .7365         | 1.1725        |
| 161208                                | 1.0000                        | .7500                         | .5000                         | 1.612     | 1.327      | .871       | 1.1725       | .8805         | .5945         |
| 161210                                | 1.0000                        | .7500                         | .6250                         | 1.612     | 1.327      | 1.190      | 1.1725       | .8805         | .7365         |
| 161212                                | 1.0000                        | .7500                         | .7500                         | 1.612     | 1.327      | 1.327      | 1.1725       | .8805         | .8805         |
| 161216                                | 1.0000                        | .7500                         | 1.0000                        | 1.612     | 1.327      | 1.612      | 1.1725       | .8805         | 1.1725        |
| 161608                                | 1.0000                        | 1.0000                        | .5000                         | 1.612     | 1.612      | .871       | 1.1725       | 1.1725        | .5945         |
| 161610                                | 1.0000                        | 1.0000                        | .6250                         | 1.612     | 1.612      | 1.190      | 1.1725       | 1.1725        | .7365         |
| 161612                                | 1.0000                        | 1.0000                        | .7500                         | 1.612     | 1.612      | 1.327      | 1.1725       | 1.1725        | .8805         |
| 161616                                | 1.0000                        | 1.0000                        | 1.0000                        | 1.612     | 1.612      | 1.612      | 1.1725       | 1.1725        | 1.1725        |

TABLE 1E - DIMENSIONS W1 THROUGH W2B (CONTINUED)

| BASIC NO.<br>AS5972/13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | W1<br>MAX | W1A<br>MAX | W1B<br>MAX | W2<br>±.0015 | W2A<br>±.0015 | W2B<br>±.0015 |
|--------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|------------|------------|--------------|---------------|---------------|
| 201020                               | 1.2500                        | .6250                         | 1.2500                        | 1.886     | 1.190      | 1.886      | 1.4345       | .7365         | 1.4345        |
| 201210                               | 1.2500                        | .7500                         | .6250                         | 1.886     | 1.327      | 1.190      | 1.4345       | .8805         | .7365         |
| 201220                               | 1.2500                        | .7500                         | 1.2500                        | 1.886     | 1.327      | 1.886      | 1.4345       | .8805         | 1.4345        |
| 201610                               | 1.2500                        | 1.0000                        | .6250                         | 1.886     | 1.612      | 1.190      | 1.4345       | 1.1725        | .7365         |
| 201612                               | 1.2500                        | 1.0000                        | .7500                         | 1.886     | 1.612      | 1.327      | 1.4345       | 1.1725        | .8805         |
| 201616                               | 1.2500                        | 1.0000                        | 1.0000                        | 1.886     | 1.612      | 1.612      | 1.4345       | 1.1725        | 1.1725        |
| 201620                               | 1.2500                        | 1.0000                        | 1.2500                        | 1.886     | 1.612      | 1.886      | 1.4345       | 1.1725        | 1.4345        |
| 202010                               | 1.2500                        | 1.2500                        | .6250                         | 1.886     | 1.886      | 1.190      | 1.4345       | 1.4345        | .7365         |
| 202012                               | 1.2500                        | 1.2500                        | .7500                         | 1.886     | 1.886      | 1.327      | 1.4345       | 1.4345        | .8805         |
| 202016                               | 1.2500                        | 1.2500                        | 1.0000                        | 1.886     | 1.886      | 1.612      | 1.4345       | 1.4345        | 1.1725        |
| 202020                               | 1.2500                        | 1.2500                        | 1.2500                        | 1.886     | 1.886      | 1.886      | 1.4345       | 1.4345        | 1.4345        |

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|                                                    | FITTING ASSEMBLY, TEE<br>AXIALLY SWAGED, HYDRAULIC<br>5080 PSI |                                     |                         |

TABLE 1F - DIMENSIONS W3 THROUGH W4B AND WEIGHT

| BASIC NO.<br>AS5972 /13/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | NOMINAL<br>TUBE SIZE<br>END 3 | W3<br>MAX | W3A<br>MAX | W3B<br>MAX | W4<br>MAX | W4A<br>MAX | W4B<br>MAX | WEIGHT<br>LB/EA<br>APPROX.<br>REF. |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------|------------|------------|-----------|------------|------------|------------------------------------|
| 040404                                | .2500                         | .2500                         | .2500                         | .018      | .018       | .018       | .065      | .065       | .065       | .027                               |
| 040406                                | .2500                         | .2500                         | .3750                         | .018      | .018       | .033       | .065      | .065       | .065       | .045                               |
| 060404                                | .3750                         | .2500                         | .2500                         | .033      | .018       | .018       | .065      | .065       | .065       | .045                               |
| 060406                                | .3750                         | .2500                         | .3750                         | .033      | .018       | .033       | .065      | .065       | .065       | .051                               |
| 060604                                | .3750                         | .3750                         | .2500                         | .033      | .033       | .018       | .065      | .065       | .065       | .051                               |
| 060606                                | .3750                         | .3750                         | .3750                         | .033      | .033       | .033       | .065      | .065       | .065       | .062                               |
| 060608                                | .3750                         | .3750                         | .5000                         | .033      | .033       | .033       | .065      | .065       | .129       | .095                               |
| 080408                                | .5000                         | .2500                         | .5000                         | .033      | .018       | .033       | .129      | .065       | .129       | .095                               |
| 080604                                | .5000                         | .3750                         | .2500                         | .033      | .033       | .018       | .129      | .065       | .065       | .084                               |
| 080606                                | .6250                         | .3750                         | .3750                         | .033      | .033       | .033       | .129      | .065       | .065       | .095                               |
| 080608                                | .5000                         | .3750                         | .5000                         | .033      | .033       | .033       | .129      | .065       | .129       | .112                               |
| 080610                                | .5000                         | .3750                         | .6250                         | .033      | .033       | .021       | .129      | .065       | .078       | .135                               |
| 080804                                | .5000                         | .5000                         | .2500                         | .033      | .033       | .018       | .129      | .129       | .065       | .100                               |
| 080806                                | .5000                         | .5000                         | .3750                         | .033      | .033       | .033       | .129      | .129       | .065       | .112                               |
| 080808                                | .5000                         | .5000                         | .5000                         | .033      | .033       | .033       | .129      | .129       | .129       | .125                               |
| 080810                                | .5000                         | .5000                         | .6250                         | .033      | .033       | .021       | .129      | .129       | .078       | .165                               |
| 100410                                | .6250                         | .2500                         | .6250                         | .021      | .018       | .021       | .078      | .065       | .078       | .155                               |
| 100412                                | .6250                         | .2500                         | .7500                         | .021      | .018       | .024       | .078      | .065       | .089       | .222                               |
| 100604                                | .6250                         | .3750                         | .2500                         | .021      | .033       | .018       | .078      | .065       | .065       | .136                               |
| 100606                                | .6250                         | .3750                         | .3750                         | .021      | .033       | .033       | .078      | .065       | .065       | .144                               |
| 100608                                | .6250                         | .3750                         | .5000                         | .021      | .033       | .033       | .078      | .065       | .129       | .150                               |
| 100610                                | .6250                         | .3750                         | .6250                         | .021      | .033       | .021       | .078      | .065       | .079       | .155                               |
| 100612                                | .6250                         | .3750                         | .7500                         | .021      | .033       | .024       | .078      | .065       | .089       | .231                               |
| 100806                                | .6250                         | .5000                         | .3750                         | .021      | .033       | .033       | .078      | .129       | .065       | .147                               |
| 100808                                | .6250                         | .5000                         | .5000                         | .021      | .033       | .033       | .078      | .129       | .129       | .165                               |
| 100810                                | .6250                         | .5000                         | .6250                         | .021      | .033       | .021       | .078      | .129       | .078       | .184                               |
| 101004                                | .6250                         | .6250                         | .2500                         | .021      | .021       | .018       | .078      | .078       | .065       | .191                               |
| 101006                                | .6250                         | .6250                         | .3750                         | .021      | .021       | .033       | .078      | .078       | .065       | .175                               |
| 101008                                | .6250                         | .6250                         | .5000                         | .021      | .021       | .033       | .078      | .078       | .129       | .184                               |
| 101010                                | .6250                         | .6250                         | .6250                         | .021      | .021       | .021       | .078      | .078       | .078       | .203                               |
| 101012                                | .6250                         | .6250                         | .7500                         | .021      | .021       | .024       | .078      | .078       | .089       | .269                               |
| 101016                                | .6250                         | .6250                         | 1.0000                        | .021      | .021       | .027       | .078      | .078       | .099       | .500                               |
| 120612                                | .7500                         | .3750                         | .7500                         | .024      | .033       | .024       | .089      | .065       | .089       | .266                               |
| 120806                                | .7500                         | .5000                         | .3750                         | .024      | .033       | .033       | .089      | .129       | .065       | .226                               |
| 120808                                | .7500                         | .5000                         | .5000                         | .024      | .033       | .033       | .089      | .129       | .129       | .245                               |
| 120812                                | .7500                         | .5000                         | .7500                         | .024      | .033       | .024       | .089      | .129       | .089       | .282                               |
| 120816                                | .7500                         | .5000                         | 1.0000                        | .024      | .033       | .027       | .089      | .129       | .099       | .489                               |
| 121004                                | .7500                         | .6250                         | .2500                         | .024      | .021       | .018       | .089      | .078       | .065       | .239                               |
| 121006                                | .7500                         | .6250                         | .3750                         | .024      | .021       | .033       | .089      | .078       | .065       | .245                               |
| 121008                                | .7500                         | .6250                         | .5000                         | .024      | .021       | .033       | .089      | .078       | .129       | .251                               |