

RATIONALE

NEW STANDARD FOR OPERATING PRESSURES UP TO AND INCLUDING 3000 PSI.

AS6478™

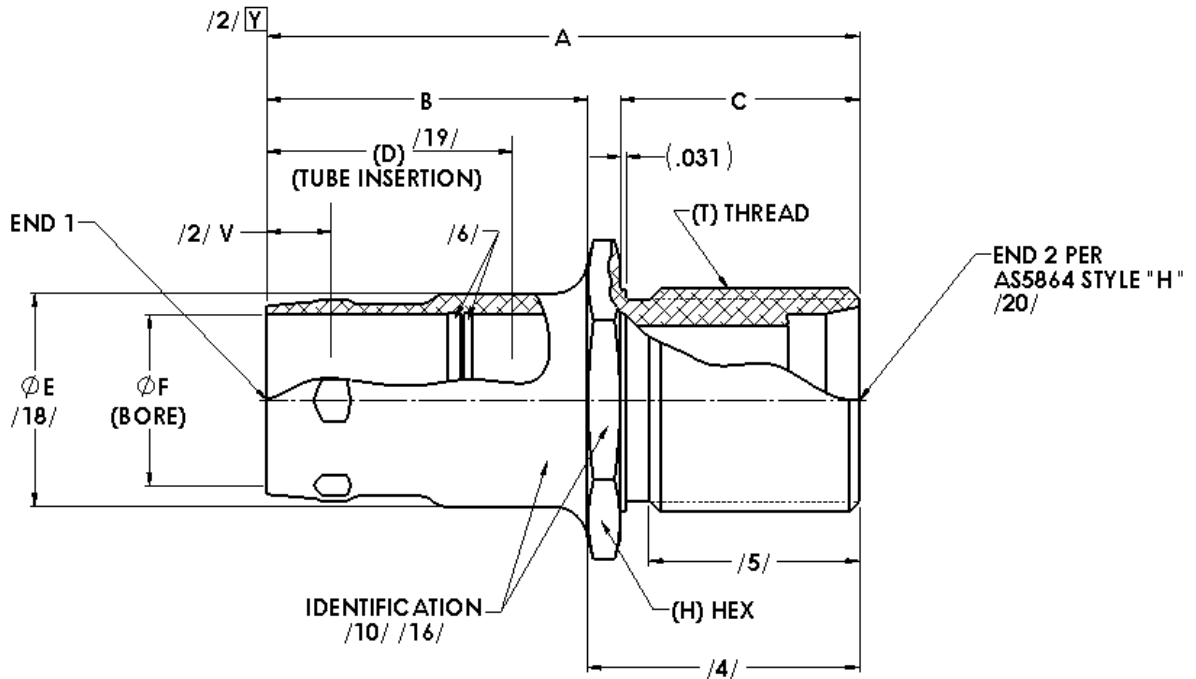


FIGURE 1 – ADAPTER, BULKHEAD, EXTERNAL SWAGE TO MALE FLARELESS

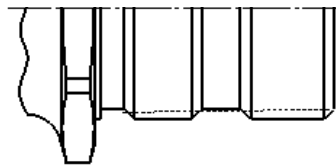
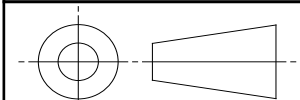


FIGURE 2 – FITTING END 2, SAME AS FIGURE 1 END 2, EXCEPT AS SHOWN

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Technical Report, please visit  
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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4459 /7/



AEROSPACE STANDARD

FITTING, ADAPTER, BULKHEAD, EXTERNAL SWAGE  
TO MALE FLARELESS, HYDRAULIC

AS6478™  
SHEET 1 OF 5

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**TABLE 1A - DIMENSIONS A THROUGH F**

| BASIC NO.<br>AS6478<br>/16/<br>SIZE CODE | NOMINAL<br>TUBE<br>SIZE<br>END 1 | NOMINAL<br>TUBE<br>SIZE<br>END 2 | A<br>±.016 | B           | C           | (D)<br>/19/ | E<br>+.000<br>-.003<br>/18/ | F<br>/2/    |
|------------------------------------------|----------------------------------|----------------------------------|------------|-------------|-------------|-------------|-----------------------------|-------------|
| 0303                                     | .1875                            | .1875                            | 1.853      | .740-.760   | .901-.911   | .473        | .275                        | .195-.198   |
| 0404                                     | .250                             | .250                             | 2.046      | .870-.890   | .964-.974   | .615        | .338                        | .257-.260   |
| 0405                                     | .250                             | .3125                            | 2.005      | .870-.890   | .964-.974   | .615        | .338                        | .257-.260   |
| 0406                                     | .250                             | .375                             | 2.051      | .870-.890   | 1.010-1.020 | .615        | .338                        | .257-.260   |
| 0504                                     | .3125                            | .250                             | 2.030      | .920-.940   | .964-.974   | .655        | .413                        | .319-.322   |
| 0505                                     | .3125                            | .3125                            | 2.096      | .920-.940   | .964-.974   | .655        | .413                        | .319-.322   |
| 0506                                     | .3125                            | .375                             | 2.100      | .920-.940   | 1.010-1.020 | .655        | .413                        | .319-.322   |
| 0604                                     | .375                             | .250                             | 2.060      | .927-.947   | .964-.974   | .690        | .480                        | .382-.385   |
| 0605                                     | .375                             | .3125                            | 2.060      | .927-.947   | .964-.974   | .690        | .480                        | .382-.385   |
| 0606                                     | .375                             | .375                             | 2.174      | .952-.972   | 1.010-1.020 | .690        | .480                        | .382-.385   |
| 0608                                     | .375                             | .500                             | 2.286      | .952-.972   | 1.151-1.161 | .690        | .480                        | .382-.385   |
| 0610                                     | .375                             | .625                             | 2.427      | .938-.958   | 1.292-1.302 | .690        | .480                        | .382-.385   |
| 0804                                     | .500                             | .250                             | 2.551      | 1.402-1.422 | .964-.974   | 1.193       | .655                        | .508-.511   |
| 0806                                     | .500                             | .375                             | 2.597      | 1.402-1.422 | 1.010-1.020 | 1.193       | .655                        | .508-.511   |
| 0808                                     | .500                             | .500                             | 2.853      | 1.490-1.510 | 1.151-1.161 | 1.193       | .655                        | .508-.511   |
| 0810                                     | .500                             | .625                             | 2.967      | 1.490-1.510 | 1.292-1.302 | 1.193       | .655                        | .508-.511   |
| 1008                                     | .625                             | .500                             | 2.770      | 1.434-1.454 | 1.151-1.161 | 1.233       | .787                        | .633-.636   |
| 1010                                     | .625                             | .625                             | 2.994      | 1.490-1.510 | 1.292-1.302 | 1.233       | .787                        | .633-.636   |
| 1208                                     | .750                             | .500                             | 2.801      | 1.465-1.485 | 1.151-1.161 | 1.303       | .929                        | .758-.761   |
| 1210                                     | .750                             | .625                             | 2.942      | 1.465-1.485 | 1.292-1.302 | 1.303       | .929                        | .758-.761   |
| 1212                                     | .750                             | .750                             | 3.153      | 1.540-1.560 | 1.401-1.411 | 1.303       | .929                        | .758-.761   |
| 1612                                     | 1.000                            | .750                             | 3.391      | 1.755-1.775 | 1.401-1.411 | 1.448       | 1.257                       | 1.008-1.011 |
| 1616                                     | 1.000                            | 1.000                            | 3.490      | 1.877-1.897 | 1.401-1.411 | 1.448       | 1.257                       | 1.008-1.011 |
| 1624                                     | 1.000                            | 1.500                            | 3.496      | 1.755-1.775 | 1.401-1.411 | 1.448       | 1.257                       | 1.008-1.011 |
| 2016                                     | 1.250                            | 1.000                            | 3.490      | 1.877-1.897 | 1.401-1.411 | 1.550       | 1.489                       | 1.258-1.262 |
| 2020                                     | 1.250                            | 1.250                            | 3.490      | 1.877-1.897 | 1.401-1.411 | 1.550       | 1.489                       | 1.258-1.262 |
| 2408                                     | 1.500                            | .500                             | 3.433      | 1.877-1.897 | 1.151-1.161 | 1.675       | 1.786                       | 1.513-1.517 |
| 2412                                     | 1.500                            | .750                             | 3.693      | 1.877-1.897 | 1.401-1.411 | 1.675       | 1.786                       | 1.513-1.517 |
| 2424                                     | 1.500                            | 1.500                            | 3.490      | 1.877-1.897 | 1.401-1.411 | 1.675       | 1.786                       | 1.513-1.517 |



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