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AS6474™

## RATIONALE

FEDERAL SUPPLY CLASS  
4730

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

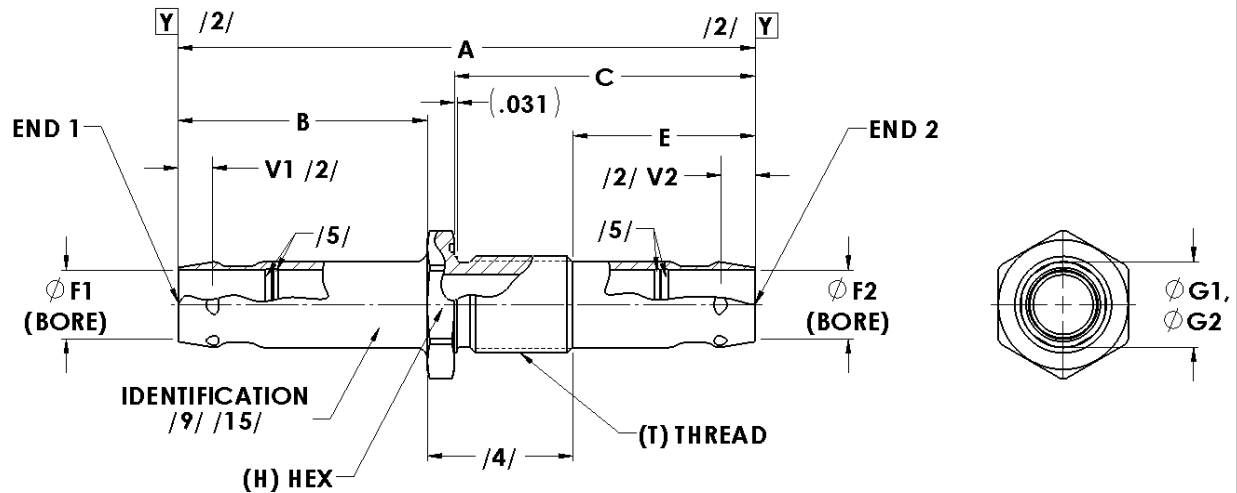
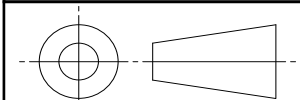


FIGURE 1 - UNION, BULKHEAD SEALING, EXTERNAL SWAGE

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS4459 /6/



## AEROSPACE STANDARD

FITTING, UNION, BULKHEAD SEALING, EXTERNAL  
SWAGE

AS6474™  
SHEET 1 OF 4

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**TABLE 1A - DIMENSIONS A THROUGH G2**

| BASIC NO.<br>AS6474<br>/15/<br>SIZE CODE | NOMINAL<br>TUBE<br>SIZE<br>END 1 | NOMINAL<br>TUBE<br>SIZE<br>END 2 | A           | B<br>+.015<br>-.000 | C<br>+.015<br>-.000 | E<br>±.015 | F1          | F2          | G1<br>+.000<br>-.003 | G2<br>+.000<br>-.003 |
|------------------------------------------|----------------------------------|----------------------------------|-------------|---------------------|---------------------|------------|-------------|-------------|----------------------|----------------------|
| 0404                                     | .250                             | .250                             | 5.335-5.365 | 2.311               | 2.800               | 2.331      | .257- .260  | .257- .260  | .338                 | .338                 |
| 0606                                     | .375                             | .375                             | 5.096-5.126 | 2.272               | 2.587               | 1.300      | .382- .385  | .382- .385  | .480                 | .480                 |
| 0808                                     | .500                             | .500                             | 5.684-5.714 | 2.544               | 2.889               | 1.602      | .508- .511  | .508- .511  | .655                 | .655                 |
| 1010                                     | .625                             | .625                             | 5.700-5.730 | 2.544               | 2.889               | 2.311      | .633- .636  | .633- .636  | .787                 | .787                 |
| 1212                                     | .750                             | .750                             | 6.315-6.345 | 2.726               | 3.290               | 2.003      | .758- .761  | .758- .761  | .929                 | .929                 |
| 1616                                     | 1.000                            | 1.000                            | 7.131-7.161 | 3.144               | 3.650               | 2.363      | 1.008-1.011 | 1.008-1.011 | 1.257                | 1.257                |
| 2020                                     | 1.250                            | 1.250                            | 7.307-7.337 | 3.144               | 3.786               | 2.499      | 1.258-1.262 | 1.258-1.262 | 1.489                | 1.489                |

**TABLE 1B - THREAD, DIMENSIONS H THROUGH V2, AND WEIGHTS**

| BASIC NO.<br>AS6474<br>/15/<br>SIZE CODE | NOMINAL<br>TUBE<br>SIZE<br>END 1 | NOMINAL<br>TUBE<br>SIZE<br>END 2 | (H)   | (T) THREAD<br>PER AS8879 | V1<br>/2/ | V2<br>/2/ | WEIGHT<br>APPROX<br>LB/EA<br>CRES | WEIGHT<br>APPROX<br>LB/EA<br>TI | WEIGHT<br>APPROX<br>LB/EA<br>AL |
|------------------------------------------|----------------------------------|----------------------------------|-------|--------------------------|-----------|-----------|-----------------------------------|---------------------------------|---------------------------------|
| 0404                                     | .250                             | .250                             | .813  | .4375-20 UNJF-3A         | .190-.240 | .190-.240 | .107                              | .064                            | .037                            |
| 0606                                     | .375                             | .375                             | 1.000 | .5625-18 UNJF-3A         | .220-.270 | .220-.270 | .179                              | .103                            | .062                            |
| 0808                                     | .500                             | .500                             | 1.126 | .7500-16 UNJF-3A         | .410-.435 | .410-.435 | .307                              | .177                            | .106                            |
| 1010                                     | .625                             | .625                             | 1.250 | .8750-14 UNJF-3A         | .410-.435 | .410-.435 | .439                              | .264                            | .152                            |
| 1212                                     | .750                             | .750                             | 1.438 | 1.0625-12 UNJ-3A         | .365-.390 | .365-.390 | .578                              | .333                            | .200                            |
| 1616                                     | 1.000                            | 1.000                            | 1.875 | 1.4375-12 UNJ-3A         | .325-.350 | .325-.350 | 1.242                             | .716                            | .430                            |
| 2020                                     | 1.250                            | 1.250                            | 2.125 | 1.6250-12 UNJ-3A         | .325-.350 | .325-.350 | 1.313                             | .756                            | .455                            |

**TABLE 1C - O-RING SIZE /17/**

| BASIC NO.<br>AS6474<br>/15/<br>SIZE CODE | NOMINAL<br>TUBE<br>SIZE<br>END 1 | NOMINAL<br>TUBE<br>SIZE<br>END 2 | AS568<br>O-RING<br>/17/ |
|------------------------------------------|----------------------------------|----------------------------------|-------------------------|
| 0404                                     | .250                             | .250                             | -015                    |
| 0606                                     | .375                             | .375                             | -017                    |
| 0808                                     | .500                             | .500                             | -020                    |
| 1010                                     | .625                             | .625                             | -022                    |
| 1212                                     | .750                             | .750                             | -025                    |
| 1616                                     | 1.000                            | 1.000                            | -030                    |
| 2020                                     | 1.250                            | 1.250                            | -032                    |



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