FEDERAL SUPPLY CLASS
4730

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

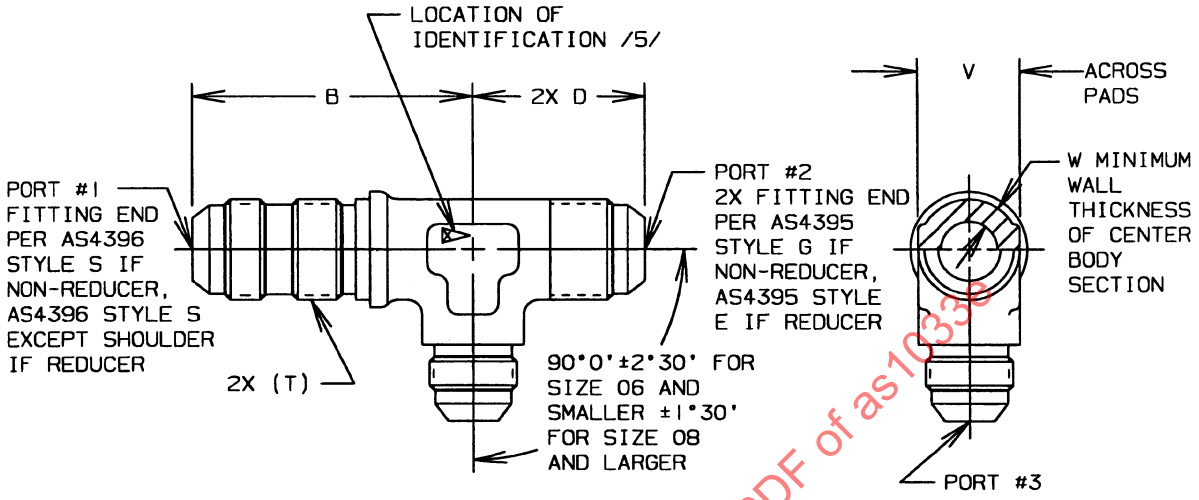



FIGURE 1 - FITTING, TEE, BULKHEAD END FOR OPTIONAL USE IN PORT
PORT #3 SHOWN AS REDUCER

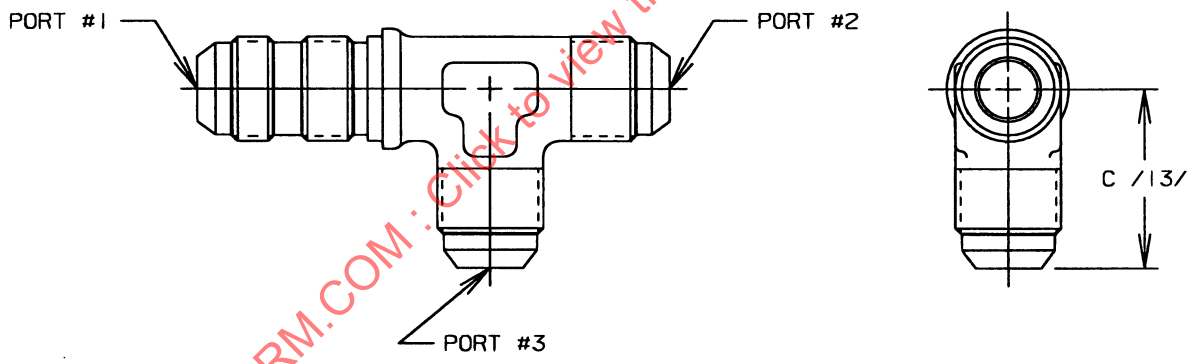
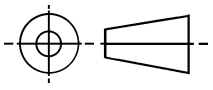



FIGURE 2 - FITTING, TEE, BULKHEAD END FOR OPTIONAL USE IN PORT
NON-REDUCER SHOWN
SAME AS FIGURE 1 EXCEPT AS SHOWN



**INACTIVE IN PART - SEE NOTE /22/**

THIRD ANGLE PROJECTION



ISSUED 1962-08 REVISED 2003-08 REAFFIRMED 2007-07

CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4841

SAE Aerospace
An SAE International Group

# AEROSPACE STANDARD

FITTING, TEE, STANDARD AND REDUCER,
BULKHEAD ON RUN,
FLARED

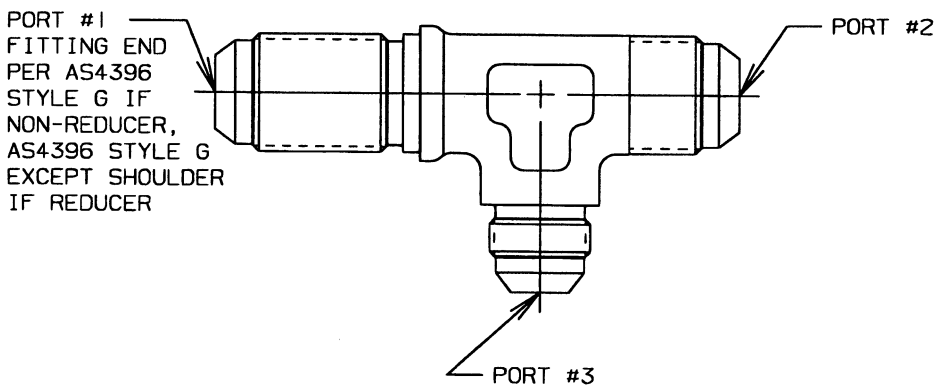



FIGURE 3 - FITTING, TEE, BULKHEAD END FOR USE IN PORT
PORT #3 SHOWN AS REDUCER
SAME AS FIGURE 1 EXCEPT AS SHOWN /21/

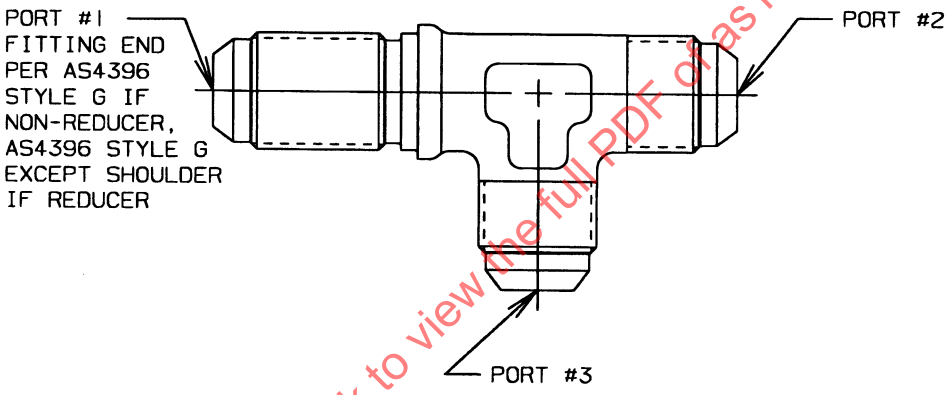



FIGURE 4 - FITTING, TEE, BULKHEAD END FOR USE IN PORT
NON-REDUCER SHOWN
SAME AS FIGURE 2 EXCEPT AS SHOWN /21/

TABLE 1 - DIMENSIONS AND WEIGHTS /14/

| BASIC NO. AS1033 /12/ /21/ SIZE CODE | C /13/ | V | W | LB/EA APPROX REF ALUM | LB/EA APPROX REF CRES | LB/EA APPROX REF TI |
|---|---|---|---|---|---|---|
| 02 | .851 | .297- .314 | .090 | .0191 | .0549 | .0303 |
| 03 | .914 | .360- .377 | .100 | .0269 | .0774 | .0427 |
| 04 | .976 | .423- .440 | .110 | .0370 | .106 | .0586 |
| 05 | 1.039 | .485- .502 | .120 | .0468 | .134 | .0741 |
| 06 | 1.101 | .547- .565 | .120 | .0589 | .169 | .0933 |
| 08 | 1.367 | .735- .753 | .150 | .128 | .369 | .203 |
| 10 | 1.570 | .860- .878 | .170 | .167 | .479 | .264 |
| 12 | 1.789 | 1.047-1.065 | .185 | .302 | .867 | .478 |
| 16 | 1.945 | 1.292-1.317 | .205 | .429 | 1.23 | .679 |
| 20 | 2.180 | 1.605-1.630 | .240 | .705 | 2.02 | 1.12 |
| 24 | 2.351 | 1.855-1.880 | .250 | .925 | 2.66 | 1.46 |
| 32 | 2.898 | 2.542-2.572 | .350 | 2.03 | 5.82 | 3.21 |

TABLE 2 - LEG LENGTH B

| FORGING SIZE /12/ | TUBE SIZE OF PORT #1 02 | TUBE SIZE OF PORT #1 03 | TUBE SIZE OF PORT #1 04 | TUBE SIZE OF PORT #1 05 | TUBE SIZE OF PORT #1 06 | TUBE SIZE OF PORT #1 08 | TUBE SIZE OF PORT #1 10 | TUBE SIZE OF PORT #1 12 | TUBE SIZE OF PORT #1 16 | TUBE SIZE OF PORT #1 20 | TUBE SIZE OF PORT #1 24 | TUBE SIZE OF PORT #1 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 1.429 | - | - | - | - | - | - | - | - | - | - | - |
| 03 | 1.461 | 1.461 | - | - | - | - | - | - | - | - | - | - |
| 04 | 1.507 | 1.507 | 1.601 | - | - | - | - | - | - | - | - | - |
| 05 | 1.538 | 1.538 | 1.632 | 1.632 | - | - | - | - | - | - | - | - |
| 06 | 1.648 | 1.648 | 1.742 | 1.742 | 1.820 | - | - | - | - | - | - | - |
| 08 | 1.789 | 1.789 | 1.883 | 1.883 | 1.961 | 2.117 | - | - | - | - | - | - |
| 10 | 1.929 | 1.929 | 2.023 | 2.023 | 2.101 | 2.257 | 2.398 | - | - | - | - | - |
| 12 | 2.039 | 2.039 | 2.133 | 2.133 | 2.211 | 2.367 | 2.508 | 2.679 | - | - | - | - |
| 16 | 2.164 | 2.164 | 2.258 | 2.258 | 2.336 | 2.492 | 2.633 | 2.804 | 2.804 | - | - | - |
| 20 | 2.445 | 2.445 | 2.539 | 2.539 | 2.617 | 2.773 | 2.914 | 3.085 | 3.085 | 3.132 | - | - |
| 24 | 2.726 | 2.726 | 2.820 | 2.820 | 2.898 | 3.054 | 3.195 | 3.366 | 3.366 | 3.413 | 3.429 | - |
| 32 | 3.133 | 3.133 | 3.227 | 3.227 | 3.305 | 3.461 | 3.602 | 3.773 | 3.773 | 3.820 | 3.836 | 4.117 |

TABLE 3 - LEG LENGTH D

| FORGING SIZE /12/ | TUBE SIZE OF PORT #2 OR #3 02 | TUBE SIZE OF PORT #2 OR #3 03 | TUBE SIZE OF PORT #2 OR #3 04 | TUBE SIZE OF PORT #2 OR #3 05 | TUBE SIZE OF PORT #2 OR #3 06 | TUBE SIZE OF PORT #2 OR #3 08 | TUBE SIZE OF PORT #2 OR #3 10 | TUBE SIZE OF PORT #2 OR #3 12 | TUBE SIZE OF PORT #2 OR #3 16 | TUBE SIZE OF PORT #2 OR #3 20 | TUBE SIZE OF PORT #2 OR #3 24 | TUBE SIZE OF PORT #2 OR #3 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | .789 | - | - | - | - | - | - | - | - | - | - | - |
| 03 | .820 | .851 | - | - | - | - | - | - | - | - | - | - |
| 04 | .820 | .843 | .914 | - | - | - | - | - | - | - | - | - |
| 05 | .874 | .905 | .976 | .976 | - | - | - | - | - | - | - | - |
| 06 | .978 | 1.009 | 1.080 | 1.080 | 1.086 | - | - | - | - | - | - | - |
| 08 | 1.064 | 1.095 | 1.166 | 1.166 | 1.172 | 1.273 | - | - | - | - | - | - |
| 10 | 1.166 | 1.197 | 1.268 | 1.268 | 1.274 | 1.375 | 1.476 | - | - | - | - | - |
| 12 | 1.263 | 1.294 | 1.365 | 1.365 | 1.371 | 1.472 | 1.573 | 1.679 | - | - | - | - |
| 16 | 1.373 | 1.404 | 1.475 | 1.475 | 1.481 | 1.582 | 1.683 | 1.789 | 1.836 | - | - | - |
| 20 | 1.576 | 1.607 | 1.678 | 1.678 | 1.684 | 1.785 | 1.886 | 1.992 | 2.039 | 2.086 | - | - |
| 24 | 1.716 | 1.747 | 1.818 | 1.818 | 1.824 | 1.925 | 2.026 | 2.132 | 2.179 | 2.226 | 2.351 | - |
| 32 | 2.201 | 2.232 | 2.303 | 2.303 | 2.309 | 2.410 | 2.511 | 2.617 | 2.664 | 2.711 | 2.836 | 3.086 |

TABLE 4 - TUBE SIZE AND CORRESPONDING THREAD

| PORT SIZE | (NOMINAL TUBE SIZE) | T THREAD PER AS8879 CLASS 3A |
|---|---|---|
| 02 | .125 | .3125-24 UNJF |
| 03 | .188 | .3750-24 UNJF |
| 04 | .250 | .4375-20 UNJF |
| 05 | .312 | .5000-20 UNJF |
| 06 | .375 | .5625-18 UNJF |
| 08 | .500 | .7500-16 UNJF |
| 10 | .625 | .8750-14 UNJF |
| 12 | .750 | 1.0625-12 UNJ |
| 16 | 1.000 | 1.3125-12 UNJ |
| 20 | 1.250 | 1.6250-12 UNJ |
| 24 | 1.500 | 1.8750-12 UNJ |
| 32 | 2.000 | 2.5000-12 UNJ |