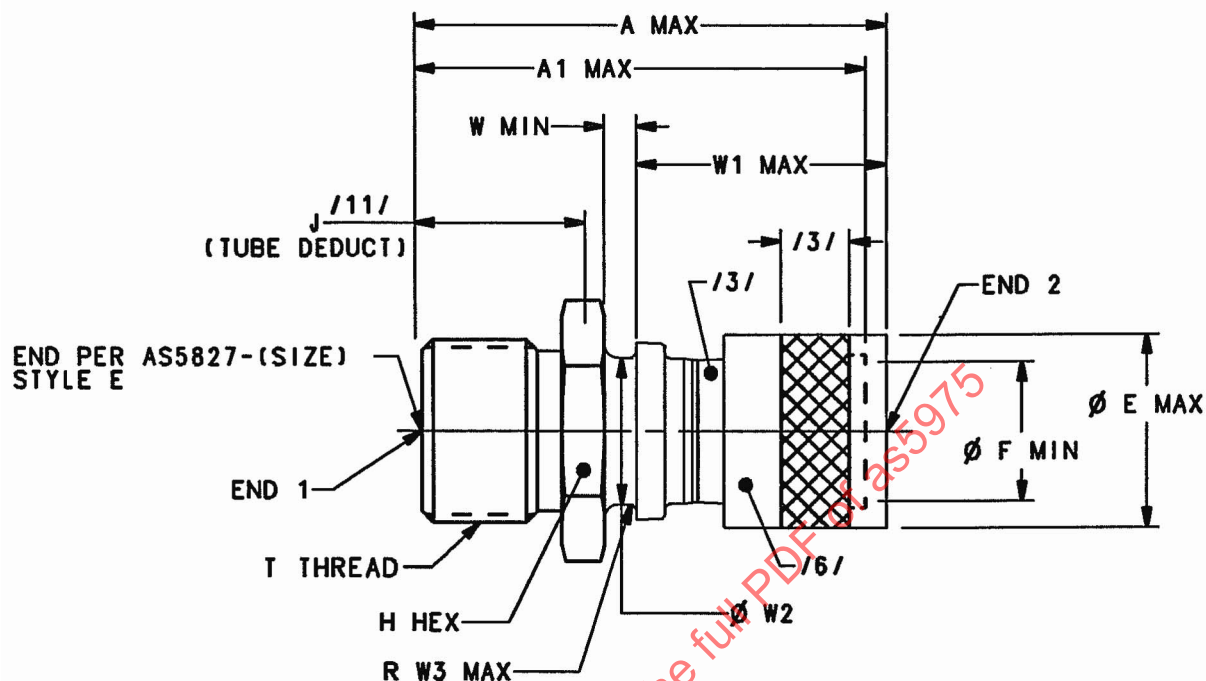


AS5975

# RATIONALE

FEDERAL SUPPLY CLASS  
4730

THIS STANDARD WAS PREPARED TO PROVIDE AN ENVELOPE REQUIREMENTS FOR AN AXIALLY SWAGED, FIELD ATTACHABLE, 5000 PSI, TUBE FITTING.

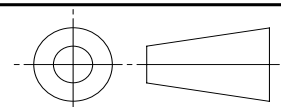


(SEE TABLE 1A AND 1B FOR DIMENSIONAL INFORMATION)

FIGURE 1.- ADAPTER, SWAGE

SAENORM.COM : Click to view the full PDF of AS5975

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: AS5958

**SAE Aerospace**  
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## AEROSPACE STANDARD

FITTING ASSEMBLY, STRAIGHT, MALE  
FLARELESS, AXIALLY SWAGED,  
HYDRAULIC, 5080 PSI

**AS5975**  
SHEET 1 OF 3

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ISSUED 2006-01

TABLE 1A - DIMENSIONS A THROUGH J

| BASIC NO.<br>AS5975 / 12/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | A     | A1    | E     | F     | (H)   | J / 11/<br>TUBE DEDUCT |
|----------------------------------------|-------------------------------|-------------------------------|-------|-------|-------|-------|-------|------------------------|
| 0404                                   | .2500                         | .2500                         | 1.247 | 1.160 | .466  | .253  | .438  | .665 ±.150             |
| 0604                                   | .3750                         | .2500                         | 1.278 | 1.191 | .466  | .253  | .563  | .696 ±.150             |
| 0406                                   | .2500                         | .3750                         | 1.477 | 1.361 | .609  | .378  | .563  | .678 ±.150             |
| 0606                                   | .3750                         | .3750                         | 1.493 | 1.377 | .609  | .378  | .563  | .694 ±.150             |
| 0806                                   | .5000                         | .3750                         | 1.566 | 1.450 | .609  | .378  | .750  | .767 ±.150             |
| 0608                                   | .3750                         | .5000                         | 1.717 | 1.571 | .783  | .504  | .750  | .718 ±.175             |
| 0808                                   | .5000                         | .5000                         | 1.810 | 1.664 | .783  | .504  | .750  | .811 ±.175             |
| 1008                                   | .6250                         | .5000                         | 1.877 | 1.731 | .783  | .504  | 1.000 | .878 ±.175             |
| 0810                                   | .5000                         | .6250                         | 2.112 | 1.918 | .939  | .629  | 1.000 | .829 ±.175             |
| 1010                                   | .6250                         | .6250                         | 2.171 | 1.967 | .939  | .629  | 1.000 | .878 ±.175             |
| 1210                                   | .7500                         | .6250                         | 2.258 | 2.064 | .939  | .629  | 1.063 | .975 ±.175             |
| 1012                                   | .6250                         | .7500                         | 2.346 | 2.151 | 1.122 | .754  | 1.063 | .919 ±.175             |
| 1212                                   | .7500                         | .7500                         | 2.391 | 2.186 | 1.122 | .754  | 1.063 | .954 ±.175             |
| 1612                                   | 1.0000                        | .7500                         | 2.435 | 2.240 | 1.122 | .754  | 1.313 | 1.008 ±.175            |
| 1216                                   | .7500                         | 1.0000                        | 2.733 | 2.529 | 1.495 | 1.004 | 1.313 | 1.015 ±.200            |
| 1616                                   | 1.0000                        | 1.0000                        | 2.697 | 2.483 | 1.495 | 1.004 | 1.313 | .969 ±.200             |

TABLE 1B - DIMENSIONS W THROUGH W3 AND WEIGHTS

| BASIC NO.<br>AS5975 / 12/<br>SIZE CODE | NOMINAL<br>TUBE SIZE<br>END 1 | NOMINAL<br>TUBE SIZE<br>END 2 | T THREAD<br>PER AS8879 | W    | W1    | W2<br>±.0015 | W3   | MAX<br>WEIGHT<br>LBS/EA |
|----------------------------------------|-------------------------------|-------------------------------|------------------------|------|-------|--------------|------|-------------------------|
| 0404                                   | .2500                         | .2500                         | .4375-28UNJEF-3A       | .123 | .488  | .3005        | .018 | .017                    |
| 0604                                   | .3750                         | .2500                         | .5625-24UNJEF-3A       | .123 | .488  | .3005        | .018 | .024                    |
| 0406                                   | .2500                         | .3750                         | .4375-28UNJEF-3A       | .153 | .675  | .4475        | .033 | .026                    |
| 0606                                   | .3750                         | .3750                         | .5625-24UNJEF-3A       | .153 | .675  | .4475        | .033 | .029                    |
| 0806                                   | .5000                         | .3750                         | .7500-20UNJEF-3A       | .153 | .675  | .4475        | .033 | .047                    |
| 0608                                   | .3750                         | .5000                         | .5625-24UNJEF-3A       | .165 | .871  | .5945        | .033 | .045                    |
| 0808                                   | .5000                         | .5000                         | .7500-20UNJEF-3A       | .165 | .871  | .5945        | .033 | .063                    |
| 1008                                   | .6250                         | .5000                         | .8750-20UNJEF-3A       | .165 | .871  | .5945        | .033 | .081                    |
| 0810                                   | .5000                         | .6250                         | .7500-20UNJEF-3A       | .140 | 1.190 | .7365        | .021 | .082                    |
| 1010                                   | .6250                         | .6250                         | .8750-20UNJEF-3A       | .140 | 1.190 | .7365        | .021 | .100                    |
| 1210                                   | .7500                         | .6250                         | 1.0625-18UNJEF-3A      | .140 | 1.190 | .7365        | .021 | .162                    |
| 1012                                   | .6250                         | .7500                         | .8750-20UNJEF-3A       | .154 | 1.327 | .8805        | .024 | .132                    |
| 1212                                   | .7500                         | .7500                         | 1.0625-18UNJEF-3A      | .154 | 1.327 | .8805        | .024 | .159                    |
| 1612                                   | 1.0000                        | .7500                         | 1.3125-16UNJ-3A        | .154 | 1.327 | .8805        | .024 | .247                    |
| 1216                                   | .7500                         | 1.0000                        | 1.0625-18UNJEF-3A      | .167 | 1.612 | 1.1725       | .027 | .260                    |
| 1616                                   | 1.0000                        | 1.0000                        | 1.3125-16UNJ-3A        | .167 | 1.612 | 1.1725       | .027 | .332                    |