

RATIONALE

AS932B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
B

SAE AS932

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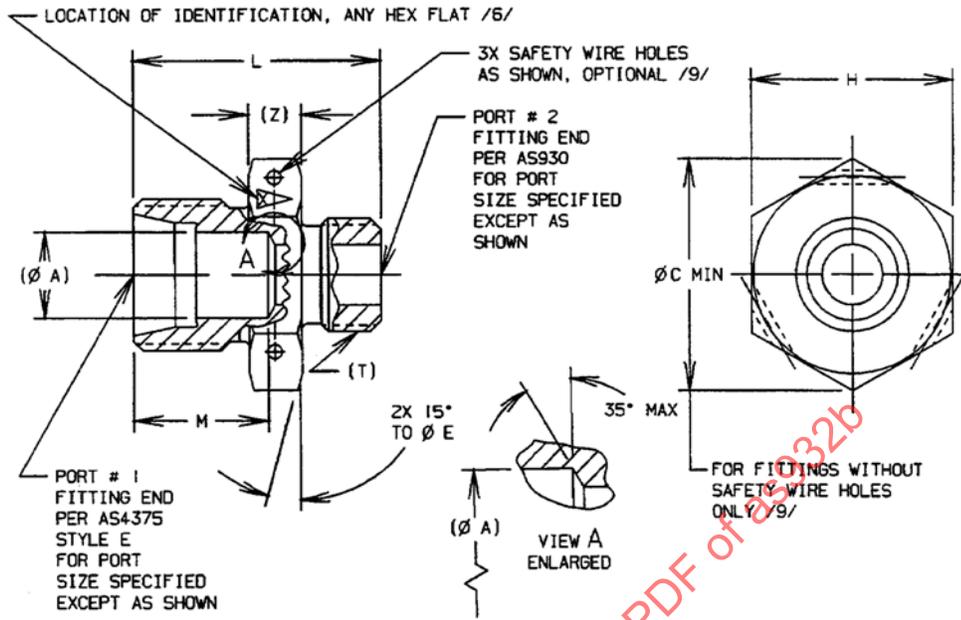


FIGURE 1 - FITTING, ADAPTER, REDUCER

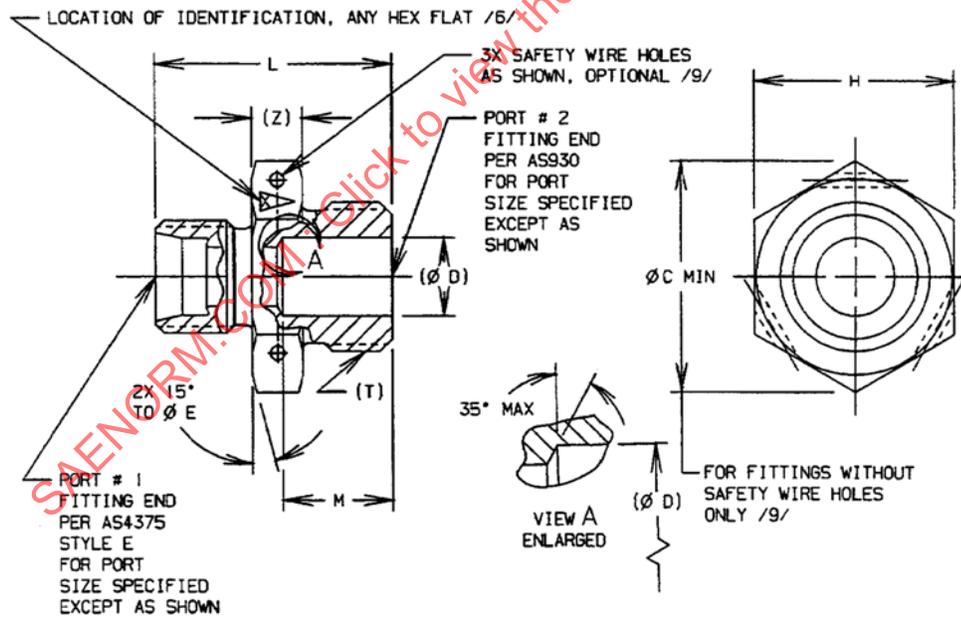
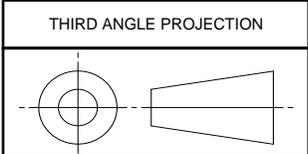


FIGURE 2 - FITTING, ADAPTER, EXPANDER

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CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4444

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING, ADAPTER, REDUCER/EXPANDER,
FLARELESS TO BOSS

SAE AS932
SHEET 1 OF 3

REV. B

TABLE 1 - PORT SIZES, CORRESPONDING THREADS, HEX SIZES AND HOLE DEPTHS

| PORT SIZE | (NOMINAL TUBE SIZE) | T THREAD PER MIL-S-8879 | E | | | | | |
|-----------|---------------------|-------------------------|-------|-------|-------|----------------|-------------|------|
| | | | A | C | D | ± 0.10 //1 | H //1 | Z |
| 02 | .125 | .3125-24 UNJF | .093 | .638 | .062 | .542 | .552-.565 | - |
| 03 | .188 | .3750-24 UNJF | .125 | .709 | .124 | .605 | .615-.628 | .220 |
| 04 | .250 | .4375-20 UNJF | .187 | .780 | .172 | .668 | .678-.691 | .235 |
| 05 | .312 | .5000-20 UNJF | .234 | .851 | .234 | .730 | .740-.753 | .235 |
| 06 | .375 | .5625-18 UNJF | .297 | .922 | .297 | .792 | .802-.815 | .250 |
| 08 | .500 | .7500-16 UNJF | .422 | 1.120 | .391 | .980 | .990-1.003 | .250 |
| 10 | .625 | .8750-14 UNJF | .500 | 1.260 | .484 | 1.103 | 1.113-1.128 | .312 |
| 12 | .750 | 1.0625-12 UNJ | .656 | 1.540 | .609 | 1.353 | 1.363-1.380 | .375 |
| 16 | 1.000 | 1.3125-12 UNJ | .875 | 1.788 | .954 | 1.603 | 1.613-1.630 | .375 |
| 20 | 1.250 | 1.6250-12 UNJ | 1.093 | 2.063 | 1.080 | 1.853 | 1.863-1.880 | .375 |
| 24 | 1.500 | 1.8750-12 UNJ | 1.344 | 2.338 | 1.314 | 2.099 | 2.109-2.135 | .374 |
| 32 | 2.000 | 2.5000-12 UNJ | 1.813 | 3.025 | 1.784 | 2.724 | 2.734-2.760 | .437 |

TABLE 2 - DIMENSIONS, OVERALL LENGTH L

| SIZE OF PORT #1 | L PORT #2 SIZE 02 | L PORT #2 SIZE 03 | L PORT #2 SIZE 04 | L PORT #2 SIZE 05 | L PORT #2 SIZE 06 | L PORT #2 SIZE 08 | L PORT #2 SIZE 10 | L PORT #2 SIZE 12 | L PORT #2 SIZE 16 | L PORT #2 SIZE 20 | L PORT #2 SIZE 24 | L PORT #2 SIZE 32 |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 02 | - | .955 | 1.010 | 1.010 | 1.025 | 1.065 | 1.127 | 1.230 | 1.230 | 1.230 | 1.230 | 1.292 |
| 03 | 1.002 | - | 1.057 | 1.057 | 1.072 | 1.112 | 1.174 | 1.277 | 1.277 | 1.277 | 1.277 | 1.339 |
| 04 | 1.048 | 1.048 | - | 1.088 | 1.103 | 1.143 | 1.205 | 1.308 | 1.308 | 1.308 | 1.308 | 1.370 |
| 05 | 1.048 | 1.048 | 1.088 | - | 1.103 | 1.143 | 1.205 | 1.308 | 1.308 | 1.308 | 1.308 | 1.370 |
| 06 | 1.079 | 1.079 | 1.119 | 1.119 | - | 1.159 | 1.221 | 1.324 | 1.324 | 1.324 | 1.324 | 1.386 |
| 08 | 1.172 | 1.172 | 1.212 | 1.212 | 1.212 | - | 1.314 | 1.417 | 1.417 | 1.417 | 1.417 | 1.479 |
| 10 | 1.297 | 1.297 | 1.337 | 1.337 | 1.337 | 1.337 | - | 1.480 | 1.480 | 1.480 | 1.480 | 1.542 |
| 12 | 1.423 | 1.423 | 1.463 | 1.463 | 1.463 | 1.503 | 1.503 | - | 1.543 | 1.543 | 1.543 | 1.605 |
| 16 | 1.423 | 1.423 | 1.463 | 1.463 | 1.463 | 1.503 | 1.503 | 1.543 | - | 1.543 | 1.543 | 1.605 |
| 20 | 1.423 | 1.423 | 1.463 | 1.463 | 1.463 | 1.503 | 1.503 | 1.543 | 1.543 | - | 1.543 | 1.605 |
| 24 | 1.423 | 1.423 | 1.463 | 1.463 | 1.463 | 1.503 | 1.503 | 1.543 | 1.543 | 1.543 | - | 1.605 |
| 32 | 1.485 | 1.485 | 1.525 | 1.525 | 1.525 | 1.565 | 1.565 | 1.605 | 1.605 | 1.605 | 1.605 | - |

TABLE 3 - DIMENSIONS, HOLE DEPTH M

| SIZE OF PORT #1 | M PORT #2 SIZE 02 | M PORT #2 SIZE 03 | M PORT #2 SIZE 04 | M PORT #2 SIZE 05 | M PORT #2 SIZE 06 | M PORT #2 SIZE 08 | M PORT #2 SIZE 10 | M PORT #2 SIZE 12 | M PORT #2 SIZE 16 | M PORT #2 SIZE 20 | M PORT #2 SIZE 24 | M PORT #2 SIZE 32 |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 02 | - | .460 | .500 | .485 | .480 | .495 | .530 | .595 | .525 | .460 | .390 | .315 |
| 03 | .500 | - | .495 | .480 | .475 | .490 | .525 | .590 | .520 | .455 | .385 | .310 |
| 04 | .525 | .545 | - | .500 | .500 | .510 | .545 | .615 | .545 | .475 | .410 | .335 |
| 05 | .515 | .530 | .545 | - | .505 | .515 | .550 | .620 | .550 | .485 | .415 | .340 |
| 06 | .525 | .545 | .555 | .575 | - | .540 | .575 | .640 | .575 | .505 | .435 | .360 |
| 08 | .585 | .600 | .610 | .630 | .655 | - | .585 | .650 | .580 | .515 | .445 | .370 |
| 10 | .685 | .705 | .715 | .735 | .755 | .740 | - | .655 | .585 | .520 | .450 | .380 |
| 12 | .765 | .785 | .795 | .815 | .835 | .820 | .835 | - | .625 | .555 | .490 | .415 |
| 16 | .700 | .720 | .730 | .750 | .770 | .755 | .775 | .785 | - | .605 | .535 | .460 |
| 20 | .640 | .655 | .670 | .685 | .710 | .695 | .710 | .725 | .785 | - | .555 | .480 |
| 24 | .565 | .585 | .595 | .615 | .635 | .620 | .640 | .650 | .710 | .740 | - | .550 |
| 32 | .490 | .510 | .520 | .540 | .560 | .545 | .565 | .575 | .640 | .665 | .725 | - |