

REV.
E

AS1792

RATIONALE

AS1792E HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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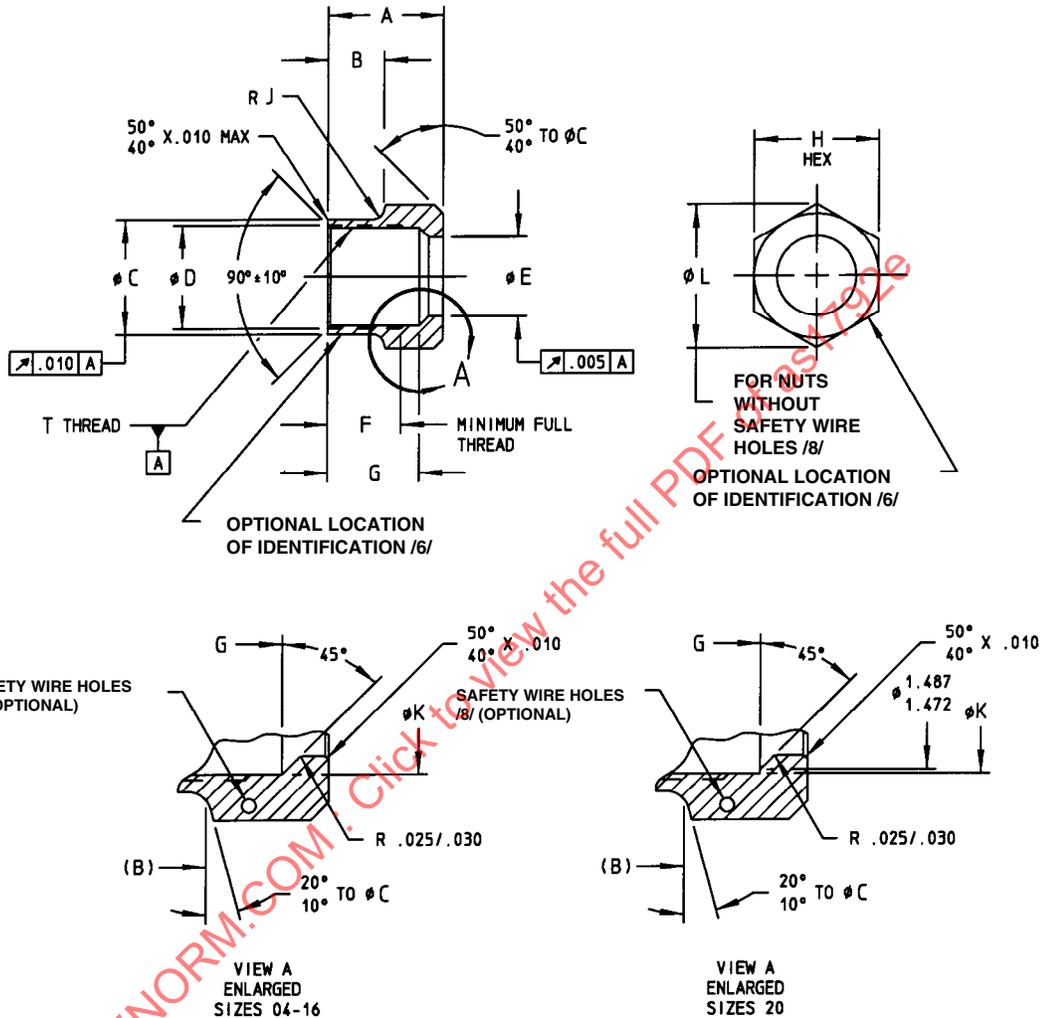
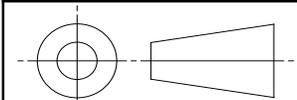


FIGURE 1 - NUT, LIGHTWEIGHT, FLARELESS

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

NUT, FITTING, LIGHTWEIGHT, FLARELESS

AS1792
SHEET 1 OF 3

REV.
E

TABLE 1A - DIMENSIONS

| BASIC NO AS1792 /15/ SIZE CODE | NOM TUBE SIZE REF | T THREAD PER AS8879 | A $\pm.010$ | B $\pm.010$ | C | D $\pm.010$ | E | F MIN |
|---|----------------------------|---------------------------|----------------|----------------|-------|----------------|--------------|----------|
| 04 | .250 | .4375-20UNJF-3B | .720 | .352 | .524 | .456 | .300 - .305 | .431 |
| 05 | .312 | .5000-20UNJF-3B | .740 | .336 | .587 | .519 | .366 - .371 | .444 |
| 06 | .375 | .5625-1 8UNJF-3B | .760 | .325 | .649 | .581 | .425 - .430 | .422 |
| 08 | .500 | .7500-1 6UNJF-3B | .800 | .379 | .842 | .769 | .552 - .557 | .516 |
| 10 | .625 | .8750-14UNJF-3B | .876 | .440 | .968 | .894 | .690 - .695 | .578 |
| 12 | .750 | 1.0625-12UNJ-3B | .900 | .395 | 1.177 | 1.082 | .826 - .831 | .562 |
| 16 | 1.000 | 1.3125-12UNJ-3B | .900 | .370 | 1.427 | 1.332 | 1.074-1.079 | .562 |
| 20 | 1.250 | 1.6250-1 2UNJ-3B | .900 | .385 | 1.740 | 1.645 | 1.330- 1.335 | .562 |

TABLE 1B - DIMENSIONS AND WEIGHTS

| BASIC NO AS1792 /15/ SIZE CODE | G $\pm.010$ | H | J MIN | K | L MIN | LB/100 NOM REF ALUM | LB/100 NOM REF CRES | LB/100 NOM REF TI |
|---|----------------|---------------|----------|-----------------|----------|------------------------------|------------------------------|----------------------------|
| 04 | .547 | .552 - .565 | .060 | .3888 - .3970 | .635 | .898 | 2.61 | 1.48 |
| 05 | .562 | .615 - .628 | .060 | .4513 - .4591 | .706 | 1.08 | 3.13 | 1.78 |
| 06 | .578 | .678 - .691 | .060 | .5084 - .5166 | .775 | 1.29 | 3.76 | 2.13 |
| 08 | .609 | .865 - .878 | .060 | .6892 - .6977 | .990 | 1.92 | 5.60 | 3.18 |
| 10 | .687 | .990 - 1.003 | .070 | .8055 - .8152 | 1.120 | 2.48 | 7.23 | 4.11 |
| 12 | .687 | 1.238 - 1.253 | .085 | .9814 - .9914 | 1.400 | 4.29 | 12.5 | 7.09 |
| 16 | .687 | 1.488 - 1.505 | .115 | 1.2314 - 1.2414 | 1.650 | 5.51 | 16.0 | 9.10 |
| 20 | .687 | 1.800 - 1.817 | .125 | 1.5439 - 1.5539 | 1.993 | 7.08 | 20.6 | 11.7 |

NOTES:

1/ MATERIAL:

- a. CODE LETTER T - TYPE 6AL-4V, CONDITION A, TITANIUM ALLOY PER AMS4928 OR AMS4967 (AMS-T-9047).
- b. CODE LETTER V - TYPE 15-5PH, CONDITION H1075 STA, CORROSION RESISTANT STEEL PER AMS5659 (FORMERLY CODE LETTER C /8/).
- c. CODE LETTER W - TYPE 7075-T73 OR T7351, ALUMINUM ALLOY PER AMS-QQ-A-225/9 OR AMS4124.

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER T - NONE.
- b. MATERIAL CODE LETTER V - AGE TO CONDITION H1075 PER AMS-H-6875 OR AMS2759/3.
- c. MATERIAL CODE LETTER W - IF THE RAW MATERIAL IS PROCURED IN THE SOLUTION TREATED CONDITION, AGE TO FINAL TEMPER AMS2770.

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|  | AEROSPACE STANDARD | AS1792 SHEET 2 OF 3 | REV. E |
| | NUT, FITTING, LIGHTWEIGHT, FLARELESS | | |