

RATIONALE

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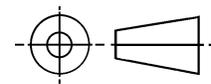
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THIRD ANGLE PROJECTION



ISSUED 1998-08 REAFFIRMED 2007-06

**AS115501 THRU
AS115550**

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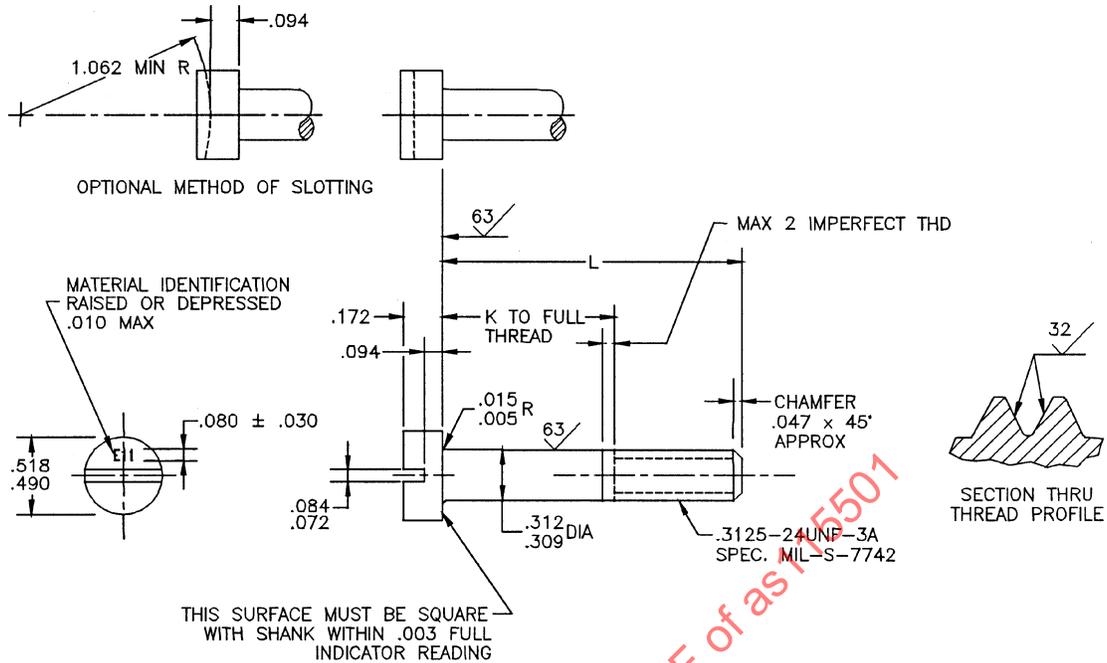
PREPARED BY COMMITTEE E-25



AEROSPACE STANDARD

SCREW - FLAT FILLISTER HEAD, .3125-24

**AS115501 THRU
AS115550
SHEET 1 OF 3**



| L | K | PART NO. | L | K | PART NO. | L | K | PART NO. |
|-------|------------------|----------|-------|------------------|----------|-------|------------------|----------|
| | + .000 - .060 | | | + .000 - .060 | | | + .000 - .060 | |
| .500 | (a) | AN115505 | 1.250 | .562 | AN115517 | 2.250 | 1.562 | AN115529 |
| .562 | (a) | AN115506 | 1.312 | .625 | AN115518 | 2.375 | 1.688 | AN115530 |
| .625 | (a) | AN115507 | 1.375 | .688 | AN115519 | 2.500 | 1.812 | AN115531 |
| .688 | (a) | AN115508 | 1.438 | .750 | AN115520 | 2.625 | 1.938 | AN115532 |
| .750 | (a) | AN115509 | 1.500 | .812 | AN115521 | 2.750 | 2.062 | AN115533 |
| .812 | .125 | AN115510 | 1.562 | .875 | AN115522 | 2.875 | 2.188 | AN115534 |
| .875 | .188 | AN115511 | 1.625 | .938 | AN115523 | 3.000 | 2.312 | AN115535 |
| .938 | .250 | AN115512 | 1.688 | 1.000 | AN115524 | | | |
| 1.000 | .312 | AN115513 | 1.750 | 1.062 | AN115525 | | | |
| 1.062 | .375 | AN115514 | 1.875 | 1.188 | AN115526 | | | |
| 1.125 | .438 | AN115515 | 2.000 | 1.312 | AN115527 | | | |
| 1.188 | .500 | AN115516 | 2.125 | 1.438 | AN115528 | | | |

(a) THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

- NOTE: (1) THE RUNOUT FOR STRAIGHTNESS OF SHANK SHALL NOT EXCEED .003 FIR PER INCH OF SCREW LENGTH.
 (2) THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
 (3) THE CONCENTRICITY OF THE SHANK IN RELATION TO THE HEAD SHALL BE WITHIN .010 FIR.

MATERIAL: STEEL AMS 6322

HARDNESS: ROCKWELL C26-32

FINISH: CADMIUM PLATE AMS 2400

SURFACE ROUGHNESS: AS 107

MANUFACTURING SPECIFICATION: AMS 7452