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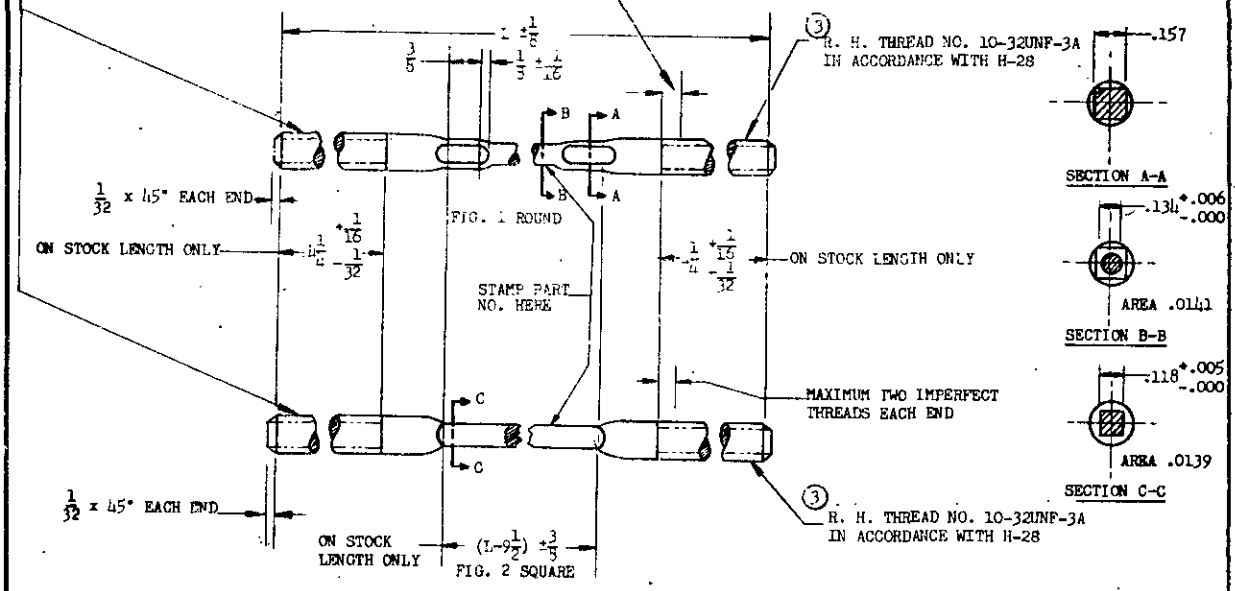
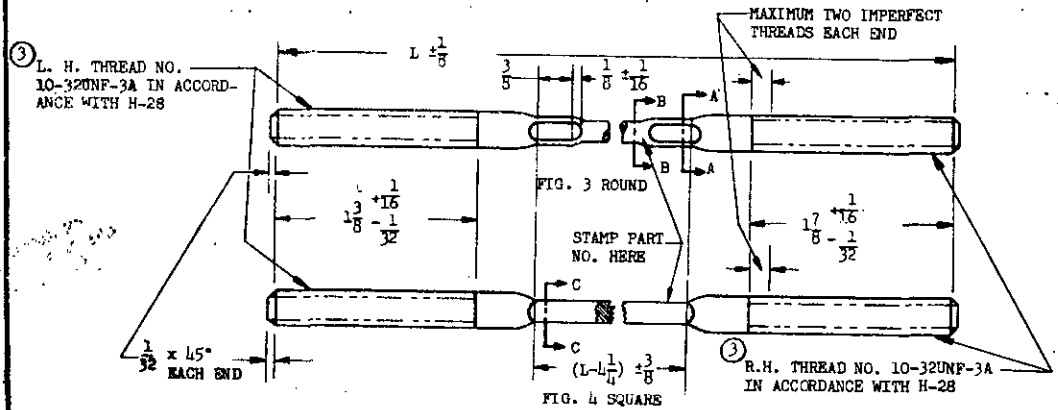
FSC 5340




STANDARD DESIGN

| DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L | DASH NO. | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 18 | 42 | 42 | 66 | 66 | 90 | 90 | 114 | 114 | 138 | 138 | 162 | 162 | 186 | 186 | 210 | 210 | 234 | 234 | 258 | 258 | | |
| 24 | 24 | 48 | 48 | 72 | 72 | 96 | 96 | 120 | 120 | 144 | 144 | 168 | 168 | 192 | 192 | 216 | 216 | 240 | 240 | 264 | 264 | | |
| 30 | 30 | 54 | 54 | 78 | 78 | 102 | 102 | 126 | 126 | 150 | 150 | 174 | 174 | 198 | 198 | 222 | 222 | 246 | 246 | 270 | 270 | | |
| 36 | 36 | 60 | 60 | 84 | 84 | 108 | 108 | 132 | 132 | 156 | 156 | 180 | 180 | 204 | 204 | 228 | 228 | 252 | 252 | 276 | 276 | | |




ALTERNATE DESIGN

MATERIAL: CARBON STEEL. CORROSION RESISTING STEEL. SEE PROCUREMENT SPECIFICATION.

3 FINISH: CADMIUM PLATE, QQ-P-416, TYPE II, CLASS 3.

THREAD: MINIMUM THREAD FOR RIGID TERMINAL AND LOCK NUT 1-3/8.
AIRPLANE MANUFACTURERS ARE PERMITTED TO INSTALL RODS WITH MINIMUM LENGTH OF THREADS AS INDICATED IN ALTERNATE DESIGN, ON AIRPLANES SUPPLIED ON GOVERNMENT ORDERS.

LENGTH "L" SHALL BE THE NEAREST 25/100, AS 1825, 1850, 1875, 19, 1925 TO FIT, FIGURING 50% TAKE UP AND 50% LET OUT. TO FIND ROD LENGTH SUBTRACT 1-1/2 FROM LENGTH BETWEEN PIN CENTERS OF ASSEMBLY.

CUT OFF EQUAL AMOUNT FROM EACH END OF STANDARD DESIGN STOCK SIZES FOR INTERMEDIATE LENGTHS.

PART NO. SHALL INDICATE THE EXACT LENGTH OF ROD WITH LETTER "A" AFTER BASIC NO. FOR THE ALTERNATE DESIGN.

RODS OF THE STANDARD DESIGN, WHICH WILL BE USED FOR REPLACEMENT PURPOSES, WILL BEAR THE SAME NO. AS THOSE OF THE ALTERNATE DESIGN, WITHOUT THE LETTER "A".

FOR CORROSION RESISTING STEEL RODS INSERT "C" BEFORE DASH NO.

EXAMPLE OF PART NOS.: AN703A3050 = NO. 10-32 ROD, 30-1/2 INCH LONG, ALTERNATE DESIGN, CARBON STEEL.
AN703-3050 = NO. 10-32 ROD, 30-1/2 INCH LONG, STANDARD DESIGN, CARBON STEEL.
AN703C3050 = NO. 10-32 ROD, 30-1/2 INCH LONG, STANDARD DESIGN, CORROSION RESISTING STEEL.

REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ON FRACTIONS ±1/64, DECIMALS ±.010, ANGLES ±1/2°.

CANCELED AFTER 30 NOV 1981, NO SUPERSEDING STANDARD.

APPROVED 2 Sep 42 REVISED (1) 24 Jun 43 (2) 8 May 51 (3) 15 JUN 66 (4) 14 DEC 81

NOTE: This handing was approved by Joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This handing supersedes all intermediate standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new designs, not later than 6 months after the effective date of approval shown.

NO. ... Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

| PROCUREMENT SPECIFICATION | AIR FORCE-NAVY AERONAUTICAL STANDARD | AN703 |
|---|---|---|
| MIL-T-5684 | TIE ROD — INTERNAL 2,100 LB (NO.10—32) | |

SUPERSEDES FORMER ARMY AND NAVY STANDARD ISSUES OF AN703.

★ U.S. GOVERNMENT PRINTING OFFICE: 1981—505-022/382 2-1