



PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.

SOUTHCO NO. 52 CAPTIVE FASTENER ASSY,
M4 THREAD, PRESS-IN STYLE

| DATE | DRAWN | CHKD | SCALE |
|-----------|-------|------|-------|
| 14OCT2002 | RJB | TVA | 2:1 |

| DRAWING NUMBER |
|----------------|
| J-52-4-1 |

| REV | DATE | DRAWN/CHKD | DESCRIPTION | PART NUMBER | PANEL THICKNESS | | SCREW PROJECTION | | T |
|-----|-----------|------------|-----------------|-------------|-----------------|-----|------------------|-----|------|
| | | | | | MIN | MAX | P-1 | P-2 | |
| A | 07NOV2002 | AJH/CHW | PRN: P2002-0864 | 52-4X-51-4 | 0.9 | --- | 0.9 | 6.1 | 17 |
| B | 27JAN2003 | DLH/VNI | PRN: P2003-0077 | 52-4X-53-4 | | | 2.5 | 7.6 | 18.6 |
| C | 11NOV2003 | LTS/MJS | PRN: P2003-1024 | | | | | | |

MILLIMETERS

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

THIRD ANGLE PROJECTION

A3 PAPER SIZE

NOTES:

A - MATERIAL AND FINISH

SCREW: STEEL, HARDENED, ZINC PLATE, CHROMATE PLUS SEALER
 SPRING: 302 STAINLESS STEEL, PASSIVATED
 STANDOFF: STEEL, ZINC PLATE, CHROMATE PLUS SEALER

B - INSTALLATION INSTRUCTIONS:

1. PREPARE HOLE IN PANEL AS SHOWN. OUTSIDE EDGE MUST BE SHARP; DO NOT CHAMFER.
2. PUNCH SURFACE AND BACK-UP TOOL SURFACE MUST REMAIN PARALLEL DURING INSTALLATION. A HARDENED STEEL BACK-UP TOOL WITH A CLEARANCE HOLE AS SHOWN, IS RECOMMENDED.
3. PRESS THE ASSEMBLY INTO THE PANEL UNTIL ONLY THE TOP OF THE KNURL ON THE STANDOFF IS VISIBLE. RECOMMENDED LOAD OF 10,000N FOR STEEL, $R_a < 60$ MAX. RECOMMENDED LOAD OF 5,500N FOR 5052-H32 ALUMINUM.

C - TORX® IS A REGISTERED TRADEMARK OF THE CAMCAR DIVISION OF TEXTRON INC.

D - RECOMMENDED MAXIMUM TORQUE OF 220 N-cm.

E - COSMETIC APPEARANCE PER SOUTHCO CAPTIVE SCREW SPECIFICATION S-115.

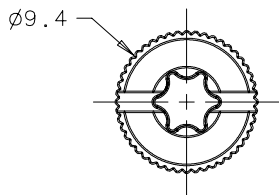
"X" SCREW RECESS

- 7 - TORX®/SLOT, KNURLED
- 9 - PHILLIPS/SLOT, KNURLED
- 8 - TORX®/SLOT, SMOOTH
- A - PHILLIPS/SLOT, SMOOTH

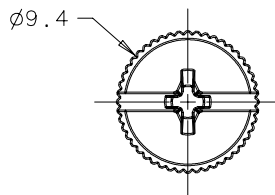
"Y" FINISH

- 4 - BRIGHT

KNURLED

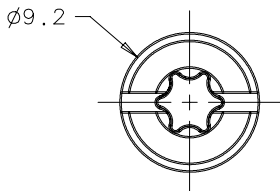


T25 TORX®/SLOT RECESS

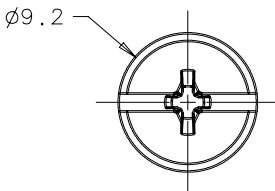


No. 2 PHILLIPS/SLOT RECESS

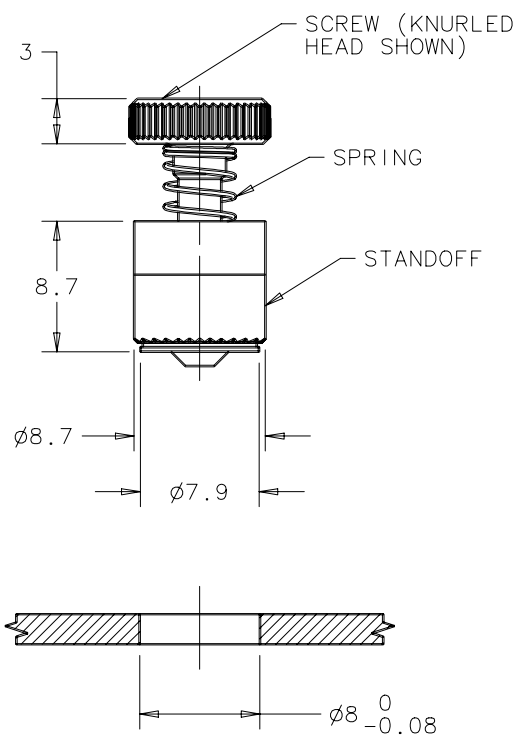
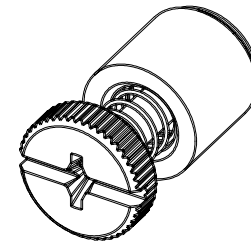
SMOOTH



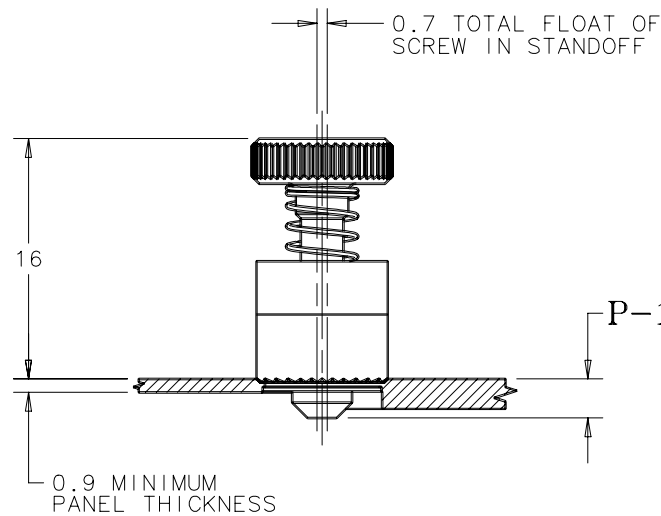
T25 TORX®/SLOT RECESS



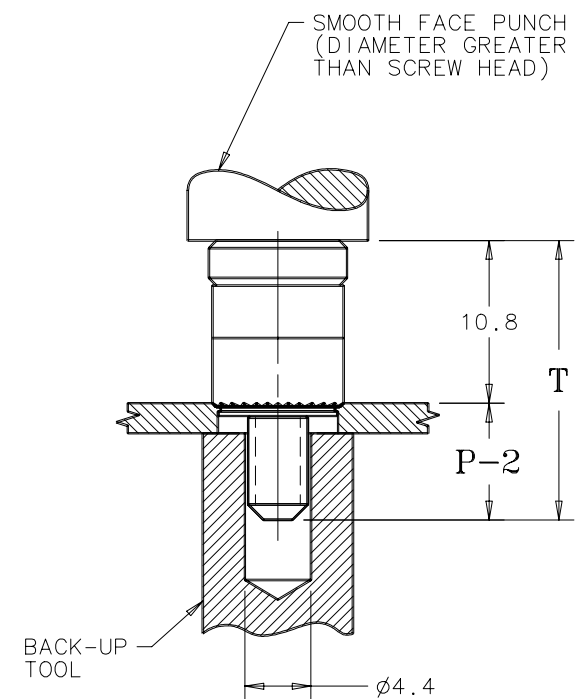
No. 2 PHILLIPS/SLOT RECESS



PANEL PREPARATION



UNFASTENED



FASTENED

DRAWING NUMBER
J-52-4-1