

# Advanced Thumbscrew Hold-Down

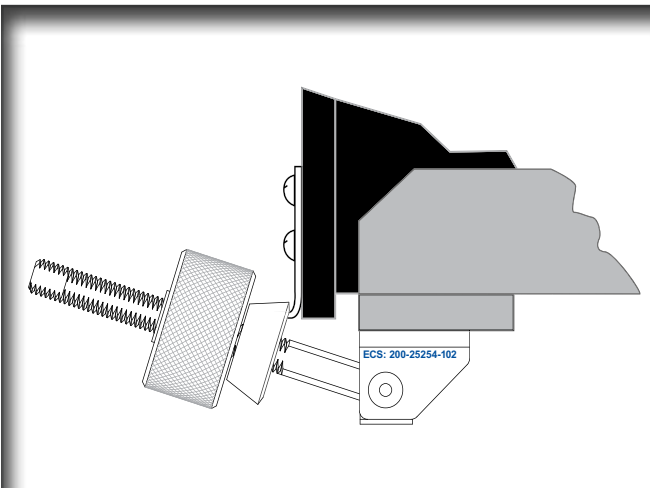
P/N: 200-25254-102



Thumbscrew Hold-Down



P/N: 200-23558-101 Tray



Pivot angle of Hold-Down securing LRU equipment

## FEATURES & BENEFITS

### Safety

- » Resists vibration and shock even when not fully engaged

### Function

- » Secure ratcheting locking mechanism
- » Easy engagement and dis-engagement

## CONSTRUCTION

### Materials

- » Corrosion resistant steel with passivation or nickel plated components
- » Acetal/Delrin
- » RoHS Compliant

### Fasteners

- » Installation via #6-32 (.138-32) UNC screws using standard tooling

## SPECIFICATIONS

### Conforms to

- » ASNA2168

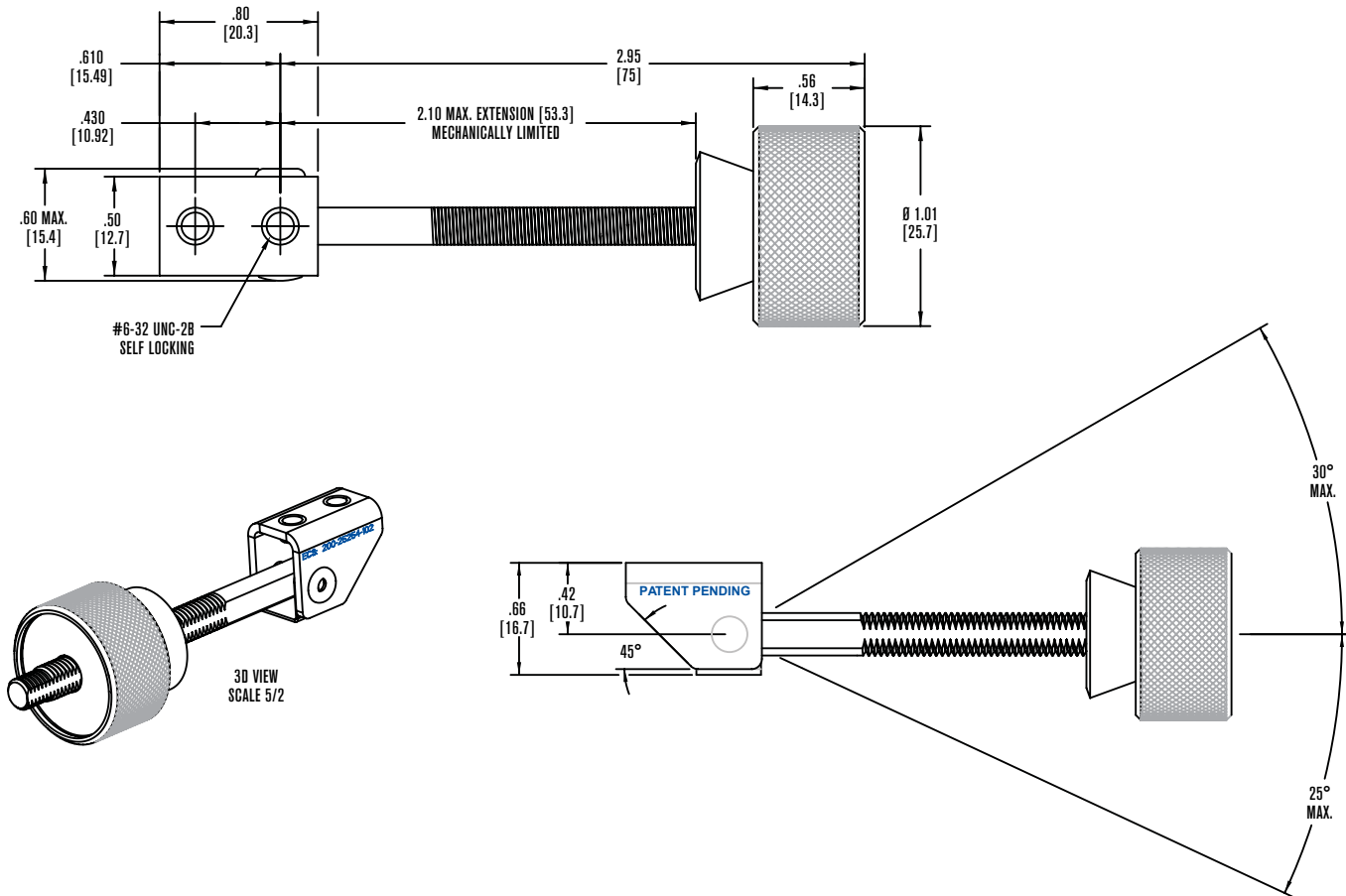
### Designed for use with equipment:

- » ARINC 404A    » ARINC 704A
- » ARINC 600    » ARINC 738A-1
- » ARINC 628

### Weight

- » 57g Max

### Patent Pending



**TESTED TO MEET THE FOLLOWING REQUIREMENTS**

- Temperature**
  - » Cat D3 per section 4.0 of RTCA/DO-160G
- Maximum Working Load**
  - » 465 lbf (207 daN)
- Operational Shock**
  - » 6g 11ms ½ sine shock pulse (3 shocks in all 6 directions)
- Crash Safety Impulse**
  - » 15g 11ms ½ sine shock pulse (1 shock in all 6 directions)
  - » 20Gs per section 7.3.1 of RTCA/DO-160G (1 shock in all 6 directions)
- Crash Safety Sustained**
  - » 12g (1min all 6 directions)
  - » 20Gs per section 7.3.3 of RTCA/DO-160G (3 seconds in all 6 directions)
- Robust Vibration**
  - » Sinusoidal (3 hours for each direction up to 2.5G)
  - » Random Cat R, Curve B & B1 per section 8.7.2 of RTCA/DO-160G
  - » BPS-C-157 section 3.6.4

- Unbalance (Tire Burst)**
  - » 36 seconds up to 10G in each direction
- Max Flight Acceleration**
  - » 6.5G up, 4.5G down, 3G other directions for 3min
- Windmilling**
  - » Sweep (9-30Hz) for 160 minutes between 4 & 5.6G, 1 sweep 9-2Hz at 3G
- Mechanical Endurance**
  - » 1,000 cycles
- Flammability**
  - » F3 Horizontal per Title 14 CFR 25.853(a), Appendix F, Part I (a)(1)(iv)
- Optical Smoke Density**
  - » Title 14 CFR 25.853(d), Appendix F, Part V
  - » BSS 7238
  - » AITM 2.0007 per ABD0031 (6.3) (7.3 & 7.31 & 7.3.2 Table 1)
- Generation of Toxic Gasses**
  - » BSS 7239
  - » AITM 3.0005 per ABD0031 (7.4)