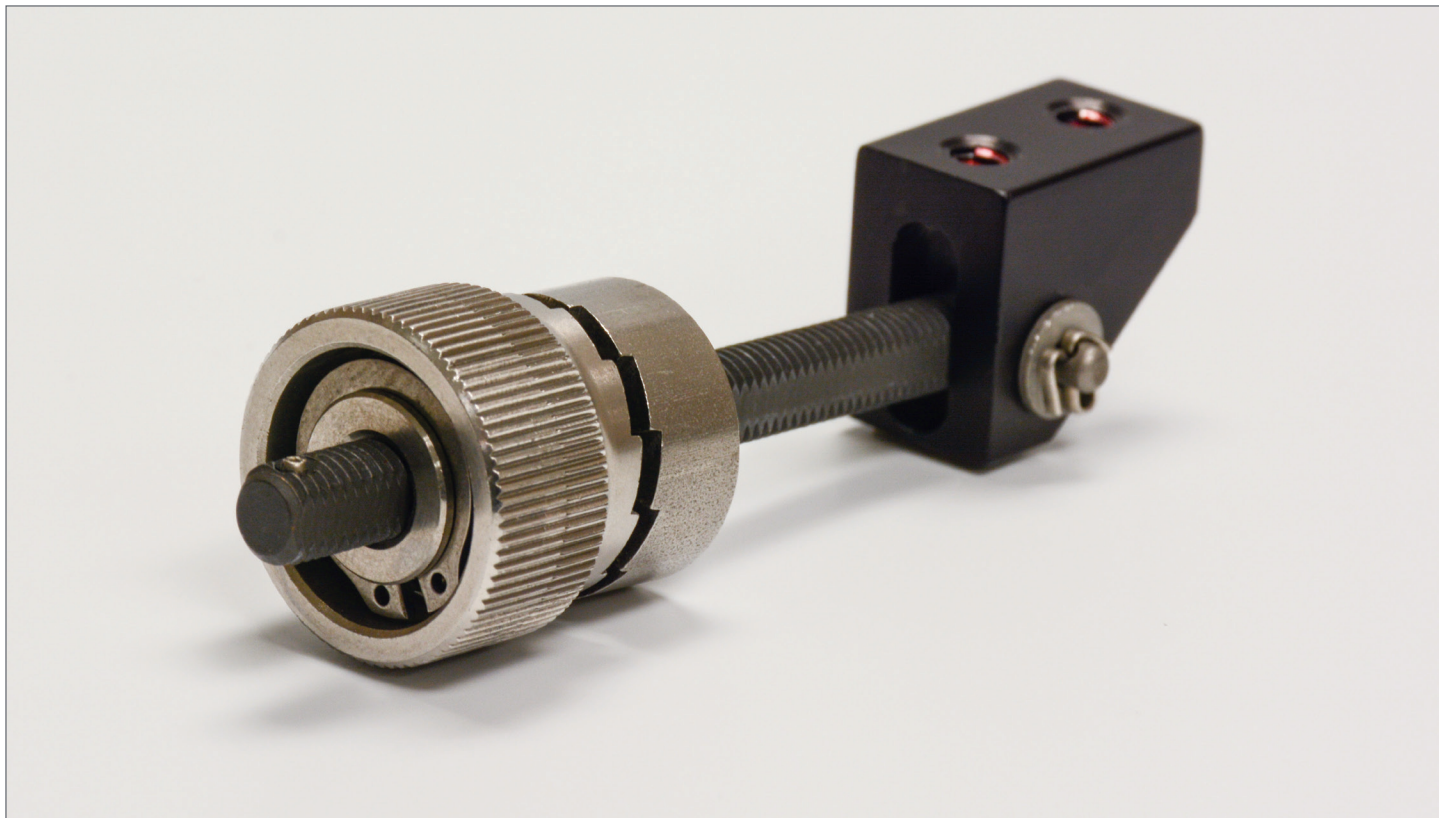


Military-Style Thumbscrew Hold-Down



Military-Style Thumbscrew Hold-Down

FEATURES & BENEFITS

Function

- » Secure ratcheting locking mechanism
- » Easy engagement/disengagement

CONSTRUCTION

Materials

- » Corrosion-resistant steel knob and threaded shaft with passivation and molybdenum disulfide lubricant
- » Beryllium copper wear washer
- » Aluminum hinge block with anodize finish

Fasteners

- » Installation via #6-32, #8-32, or M4 screws available

SPECIFICATIONS

Conforms to

- » MS14108-4 or MS14108-3
- » MIL-F-85731
- » RoHS Compliant

Designed for use with equipment

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

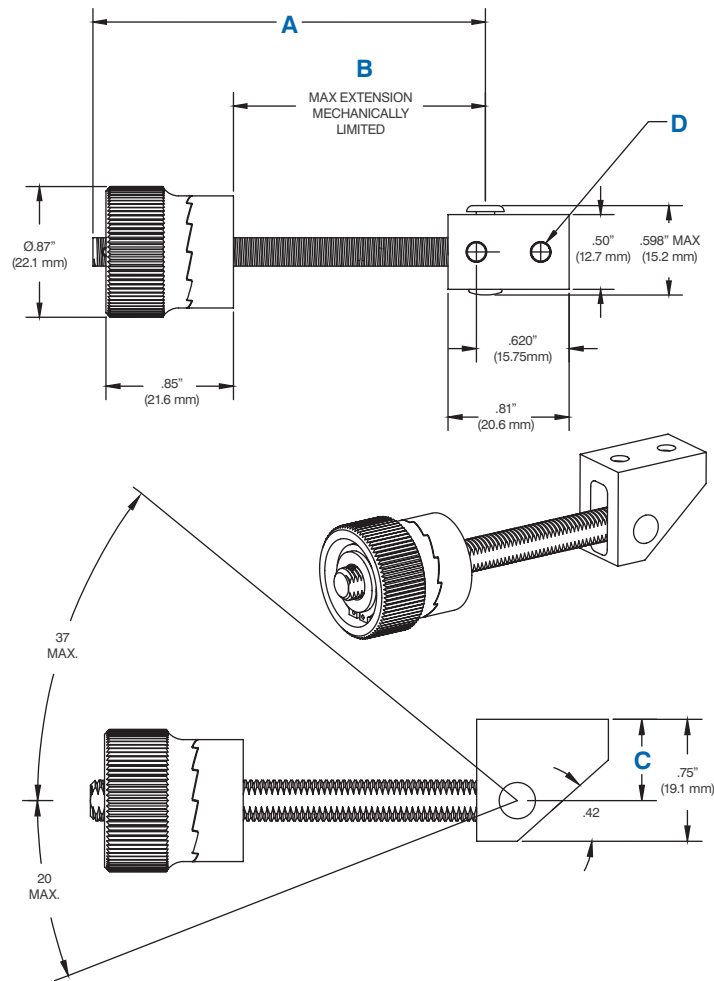
Weight

- » 62 g max

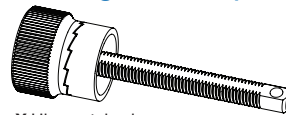
3D Models

- » STEP or IGES available upon request

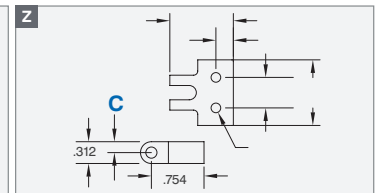
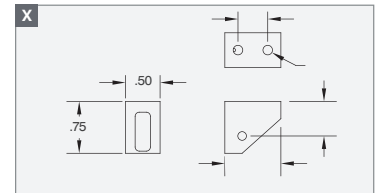
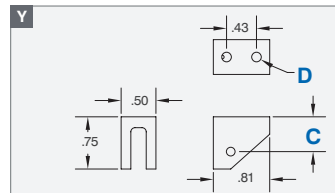
Military-Style Thumbscrew Hold-Down



Hinge Block Options



X Hinge style shown
Y Hinge style allows 180° range
Z Hinge style is low profile



P/N	Hinge Block Included	A Length	B Max Extension	C Hinge Point	D Mounting Holes
200-86446-101†	- None -	2.75"	1.83"	--	0.125 Thru
200-86446-103‡	- None -	1.88"	0.94"	--	0.125 Thru
S0076-105	X	2.75"	1.83"	0.50"	#6-32
S0076-106	Y	2.75"	1.83"	0.50"	#6-32
S0076-108	X	2.12"	1.18"	0.50"	#6-32
S0076-109	X	2.75"	1.83"	0.37"	#6-32
S0076-110	X	2.41"	1.47"	0.50"	#6-32
S0076-111	X	2.30"	1.36"	0.50"	#6-32
S0076-112	X	2.12"	1.18"	0.37"	#6-32
S0076-113	X	2.75"	1.83"	0.50"	M4
S0138-101	Z	2.75"	1.83"	0.16"	#6-32
S0138-102	Z	2.75"	1.83"	0.16"	#8-32
S0138-103	Z	1.88"	0.94"	0.16"	#8-32

† Meets MS14108-4 and M85731/1-4 dimensional and performance requirements

‡ Meets MS14108-3 and M85731/1-3 dimensional and performance requirements

TESTED TO MEET/EXCEED THE FOLLOWING REQUIREMENTS

MIL-F-85731

Operational Shock

- » 15 g, 11 ms, ½ sine shock pulse (3 shocks in all 6 directions)

Static Load

- » 1,000 lbs applied at a 45° angle

Mechanical Endurance

- » 2,000 cycles

Fluid Susceptibility

- » Resistant to hydraulic fluid & oil

Salt Spray

- » ASTM B117 for 168 hours

Sand & Dust

- » MIL-STD-810C, Method 510.1

Thermal Shock

- » MIL-STD-202G, Method 107G, Test Condition B

RTCA/DO-160G

Crash Safety, Impulse

- » 20 Gs per §7.3.1 of RTCA/DO-160G (1 shock in all 6 directions)

Robust Random Vibration

- » Cat R, Curves B3 & B4, per §8.7.2 of RTCA/DO-160G

High Level/Short Duration

- » Cat H, Curve R, per §8.6 of RTCA/DO-160G

Windmilling

- » One Sweep (30.5 – 9.5 Hz) for 48 minutes between 0.5 g & 2.92 g

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