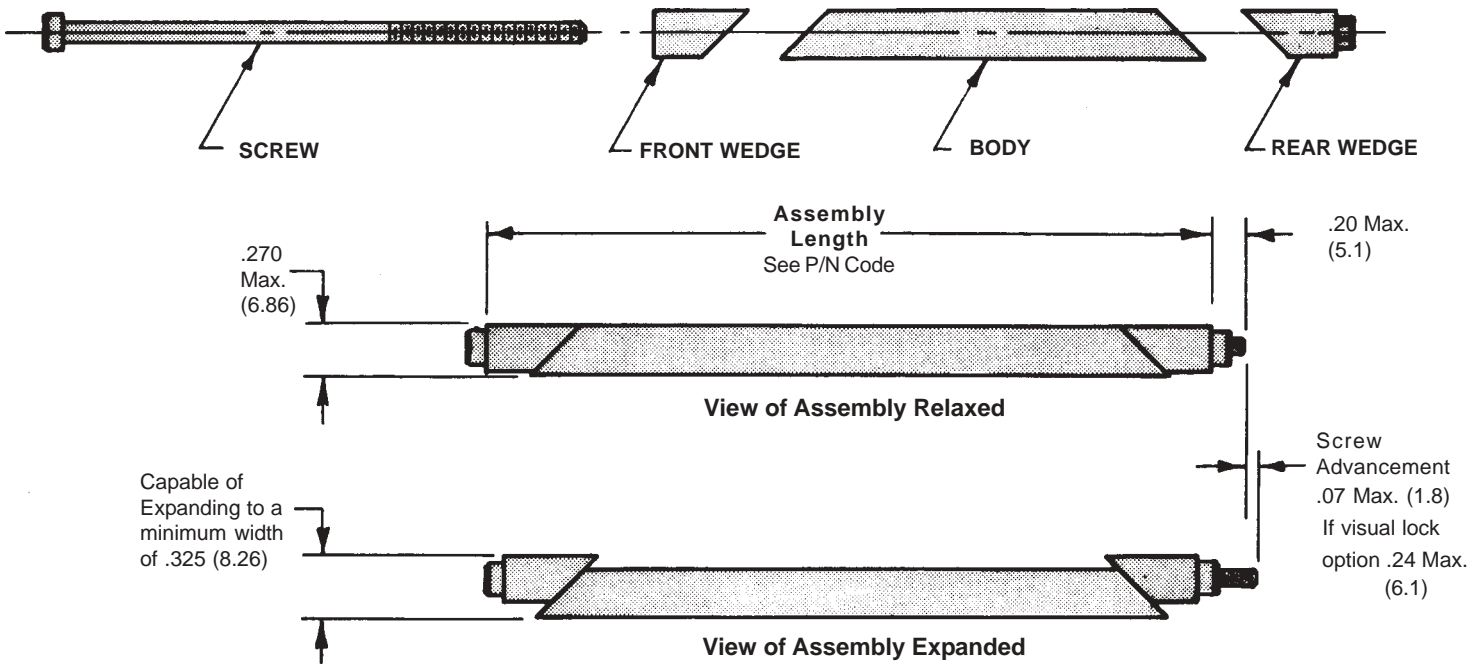
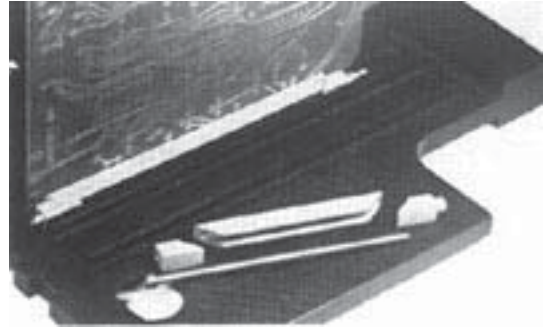


Calmark offers the Series 225 "Card-Lok" Retainer for cold plate-heat exchanger applications. A maximum efficiency heat sinking PC card retainer offered for the first time at an economical price.

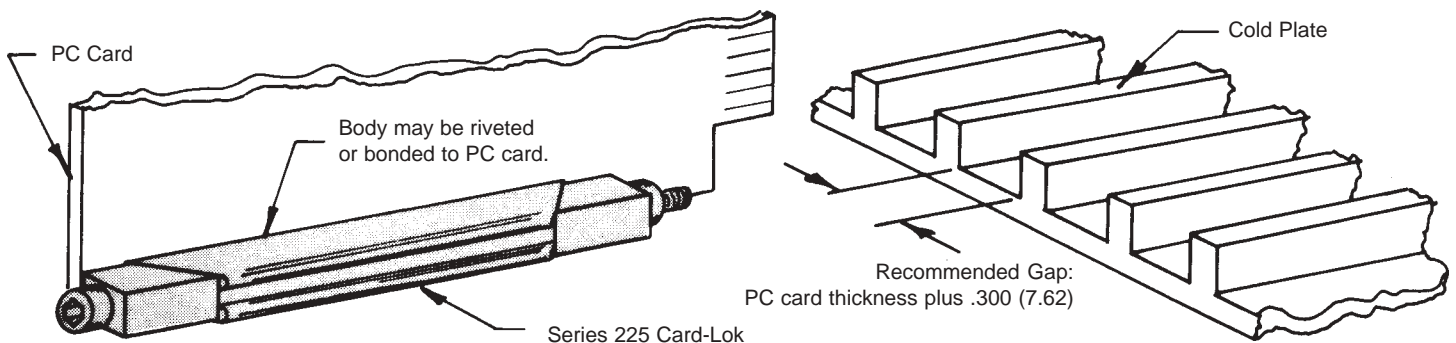
FEATURES:

- **Maximum Reliability**
Screw-actuated wedge action locks PC cards in place.
- **Maximum Thermal Transfer**
Wedge action design provides maximum contact between thermal paths on PC card and the heat sinking surface.
- **Maximum Resistance to Shock & Vibration**
Wedge action design locks PC card in place to provide maximum resistance to shock and vibration.
- **Zero Insertion & Extraction Forces**
Screw actuation provides zero insertion and extraction force on PC card.
- **Design Flexibility**
Special lengths, finishes or other design variations available on request.



APPLICATION DATA:

Recommended Torque 6 in-lbs. (68 N-cm)
If Locking Element option add 1 to 2 in-lbs (11 to 22 N-cm)



SCREW

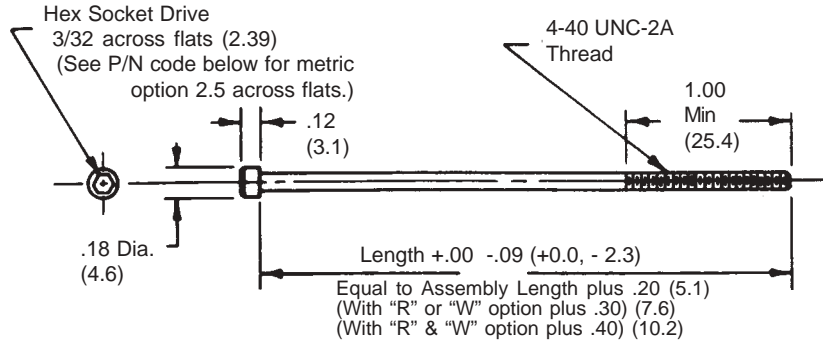
P/N 50253-Length

Material: Stainless Steel
QQ-S-763 or ASTM-A582

Finish: Passivate per MIL-S-5002
AMS-QQ-P35, ASTM -A967

Weight: .043 oz./inch (0.48g/cm)

Tolerances: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)



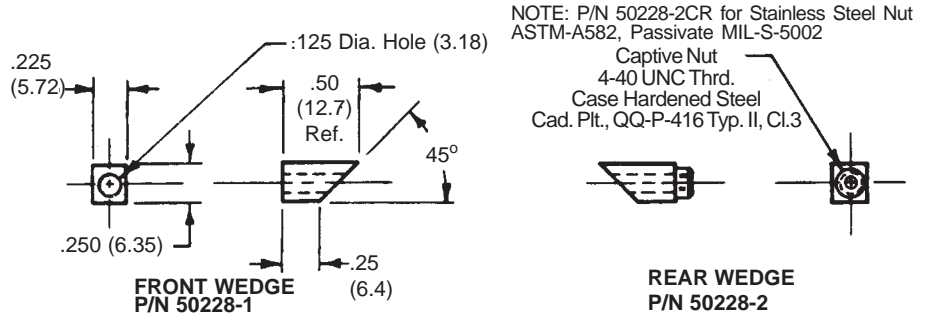
WEDGES

Material: Aluminum Alloy
6061-T6, QQ-A-200/8
ASTM-B221

Finish: See Part No. Code

Weight: Front Wedge: .027 oz. (0.77g)
Rear Wedge: .041 oz. (1.16g)

Tolerances: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)



BODY

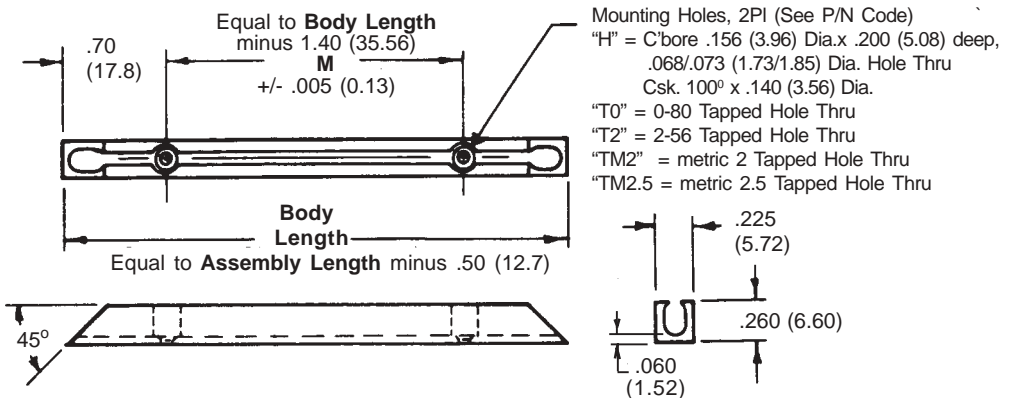
P/N 50227-Length-H

Material: Aluminum Alloy
6061-T6, QQ-A-200/8
ASTM-B221

Finish: See Part No. Code

Weight: .060 oz./inch (0.67g/cm)

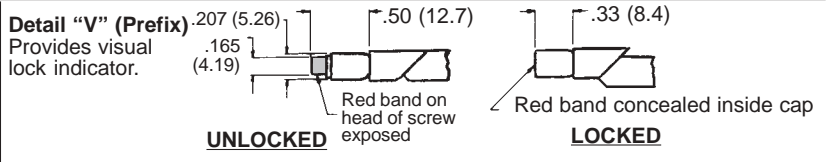
Tolerances: .xxx = +/- .010, .xx = +/- .02
(.xx = +/-0.25, .x = +/-0.5)



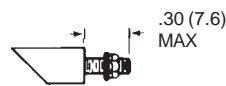
OPTIONAL DETAILS:

Detail "L" (Suffix)
Provides prevailing torque for resistance to loosening from shock vibration.

Lock element per MIL-F-18240 applied to thread of screw



Detail "R" (Suffix)
Prevents unintentional disassembly of screw from rear wedge.
Uses MS 21042-04 Locknut (plated steel).
(Stainless option uses MS21043-04 Locknut)



Detail "W" (Prefix)
Provides added resistance to loosening from shock and vibration.
Uses an MS35338-135 Lockwasher and an NAS620C4 Flatwasher

Flatwasher
Lockwasher
Screw
Front Wedge

PART NO. CODE

