

Series 250 Card-Lok

Meets **VITA 48.2**
In alignment with the
SOSA® Technical Standard



RECOMMENDED GAP WIDTH

PCB + 10.80 (.425)

RECOMMENDED TORQUE

226 N-cm (20 in-lbs)

With "L" option 271 N-cm (24 in-lbs)

WEIGHT

3.63 g/cm (.325 oz/in)

MATERIALS AND FINISH

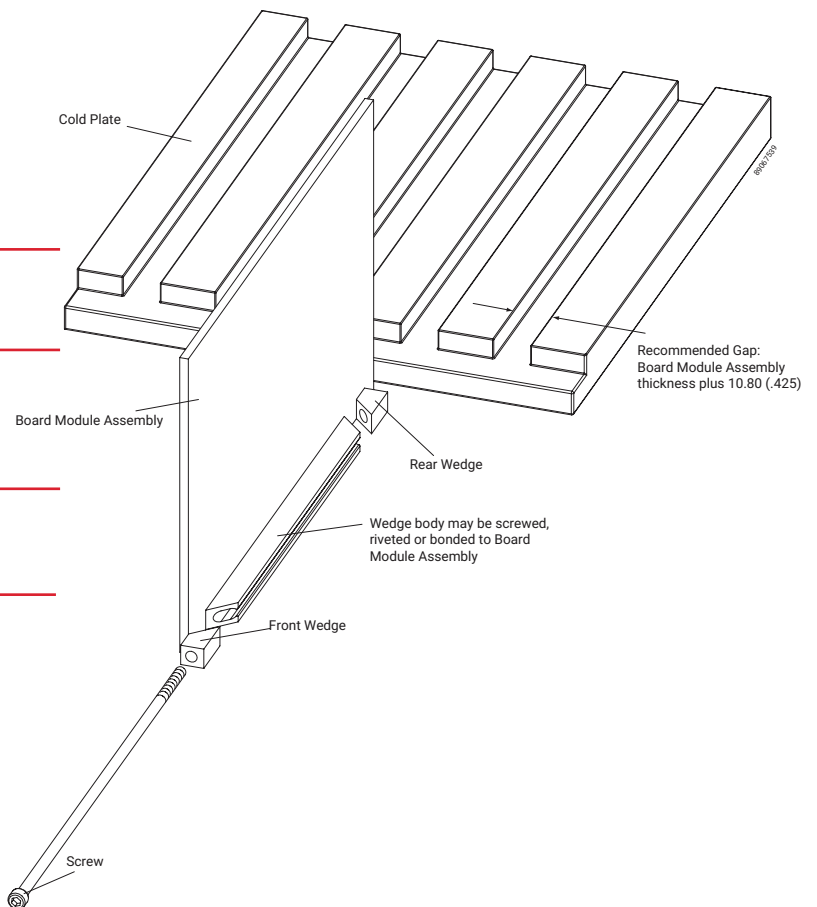
Wedges

- **Material:** Aluminum Alloy 6061-T6 per ASTM-B221 or AMS-QQ-A-200/8
- **Finish:** See finish table on opposite page

Screw

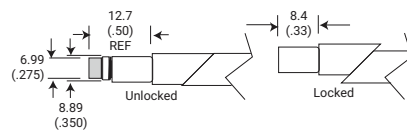
.125" or 4.0 mm hex. socket head cap screw, depending on mounting configuration

- **Material:** Stainless steel per ASTM A-582
- **Finish:** Passivated per AMS2700



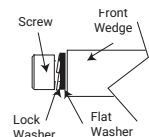
Detail "V"

Provides visual lock indication. This option adds 5.08 (.20) to the screw length.



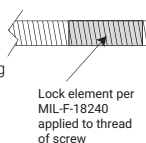
Detail "W"

Provides added resistance to loosening from shock and vibration. This option adds 5.08 (.20) to the screw length when combined with the "R" suffix option.



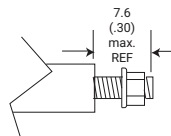
Detail "L"

Provides prevailing torque for resistance to loosening from shock and vibration. Adds 45 N-cm (4in-lbs) torque to assembly. See application data on previous sheet.



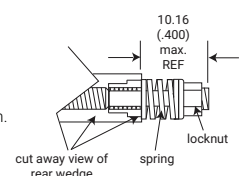
Detail "R"

Reduces the possibility of unintentional disassembly of the screw from rear wedge. This option adds no additional screw length unless included with "W" option, then 5.08 (.20) total.



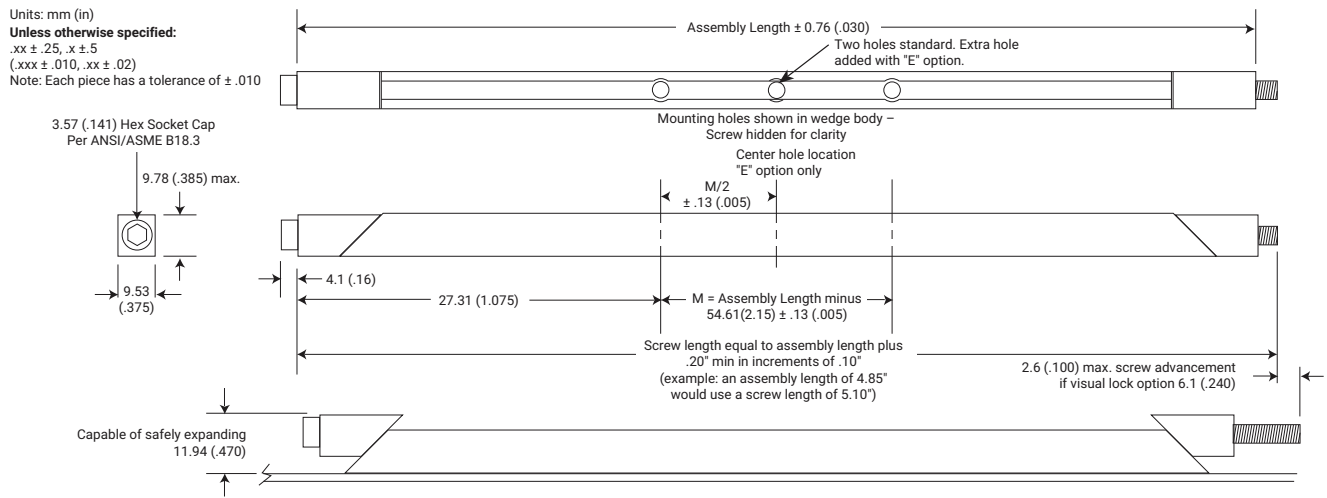
Detail "K"

Prevents the unintentional disassembly of screw from rear wedge. This option adds 5.08 (.200) to the screw length.



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SERIES 250 CARD-LOK



Part Number Code

Series 250 Card-Lok Three Piece

Prefix options

Metric Screw Head 4 mm Hex Drive M
Standard Screw Head 9/64
Hex Drive [blank]
Lock and Flat Washer W
None [blank]
Visual Indicator V
No Visual Indicator [blank]
Black Anodize A
or choose from Finish Table see table

Suffix options

Stainless Steel Lock Nut if "R" option is selected CR
Standard Plated Steel "_"
Assembly length in inches. Standard lengths range from 71.12 (2.80), 96.52 (3.80) and 121.9 (4.80). length.xx
Other lengths available upon request
Additional Center Mounting Hole E
None [blank]
Mounting Options - holes for rivet mounting H
or choose from Mounting Option Table see table
Lock Element L
None [blank]
Lock Nut R
Captive Screw K
None [blank]

MWVA250-3.80EHLR


Part Number Code Example:
V250CR-4.80HR
Series 250 Card-Lok three piece 121.9 (4.80) long with Visual Indicator, gold chemical film finish, standard rivet mounting hole and stainless steel lock nut option.

Code Letter	Finish
[blank]	Chemical Film per Mil-DTL-5541 Class 1A, Type 1, Gold
"R"	Chemical Film per Mil-DTL-5541 Class 3, Type II, Clear
"A"	Black Anodize per Mil-A-8625 Type II, Class 2
"HA"	Hard Black Anodize per Mil-A-8625 Type III, Class 2
"EN"	Electroless Nickel per Mil-C-26074 Class 4, Grade B, Bright

Code Letter	Method
[blank]	No mounting holes
"H"	Rivet Mounting Ø3.45 (.136) hole with 4.95 (.195) counterbore x 7.62 (.300) deep and 100° x 4.95 (.195) countersink
"T0"	0–80 tapped hole
"T2"	2–56 tapped hole
"TM2"	M2 x 0.40 tapped hole
"TM2.5"	M2.5 x 0.45 tapped hole

nVent SCHROFF, Inc.
7328 Trade Street
San Diego, CA 92121 USA
+1 800-525-4682

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