

Calmark offers the Series 240 "Card-Lok" retainer for cold plate-heat exchanger applications. A narrow configuration Board Module Assembly retainer that provides maximum heat sinking efficiency for high density card spacing.

FEATURES

- Narrow width allows minimum card spacing
- Positive locking provides maximum reliability
- Maximum thermal transfer
- Maximum resistance to shock and vibration
- Zero insertion and extraction forces
- Special lengths, finishes or other design variations available on request

BODY & WEDGES

Material:

Aluminum Alloy 6061-T6,
ASTM-B221

Finish:

See Part No. Code

SCREW

Material:

Stainless Steel
QQ-S-763 or ASTM-A582

Finish:

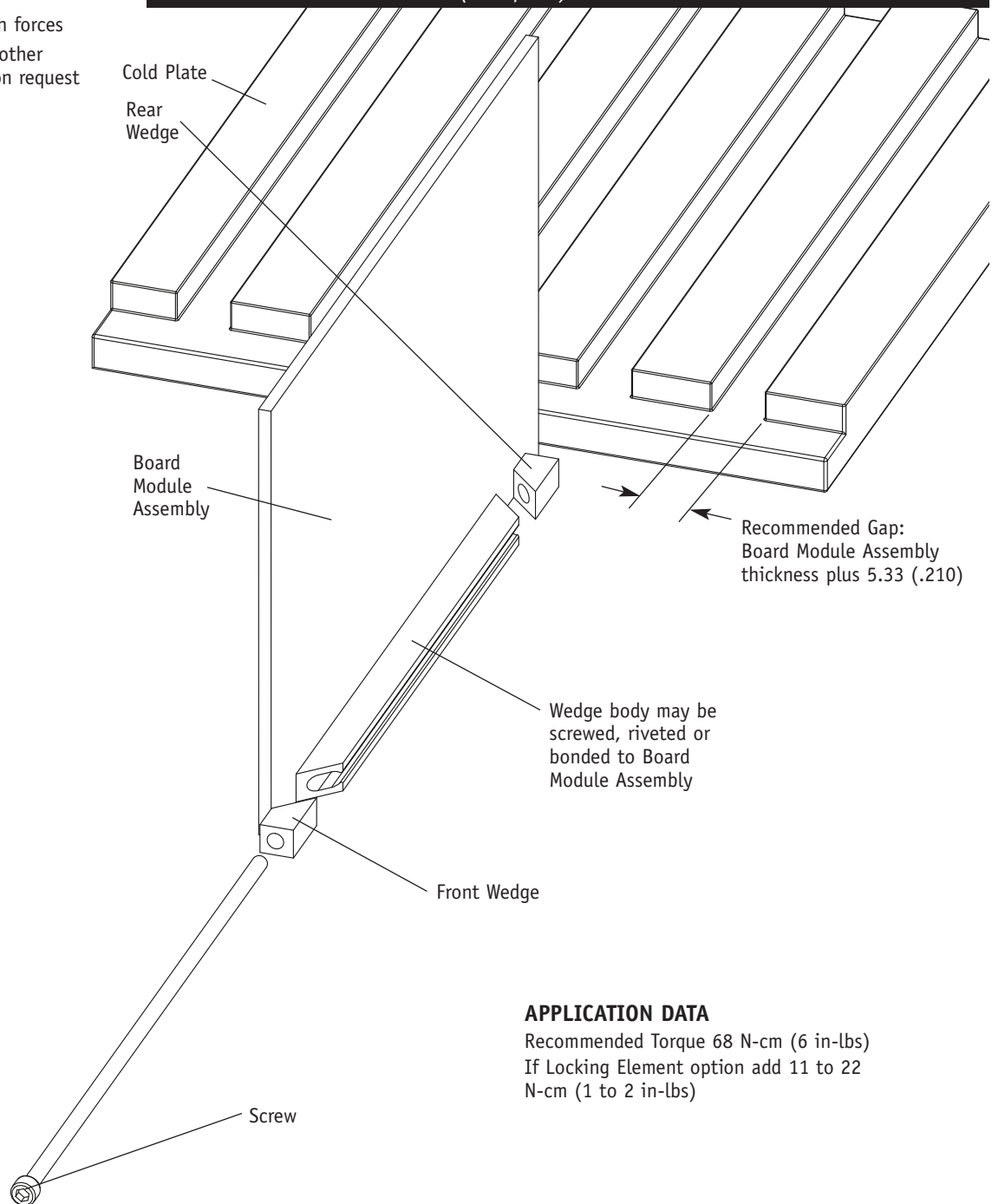
Passivate per MIL-S-5002

WEIGHT

.86 g/cm (.077 oz/in)



Series 240 - "Card-Lok" Retainer (cold plate)



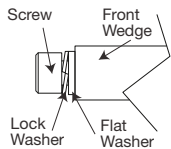
APPLICATION DATA

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

OPTION PREFIX

Detail "W"

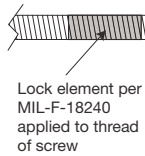
Provides added resistance to loosening from shock and vibration. This option adds 2.54 (.100) to the screw length when combined with the "R" option.



OPTION SUFFIX

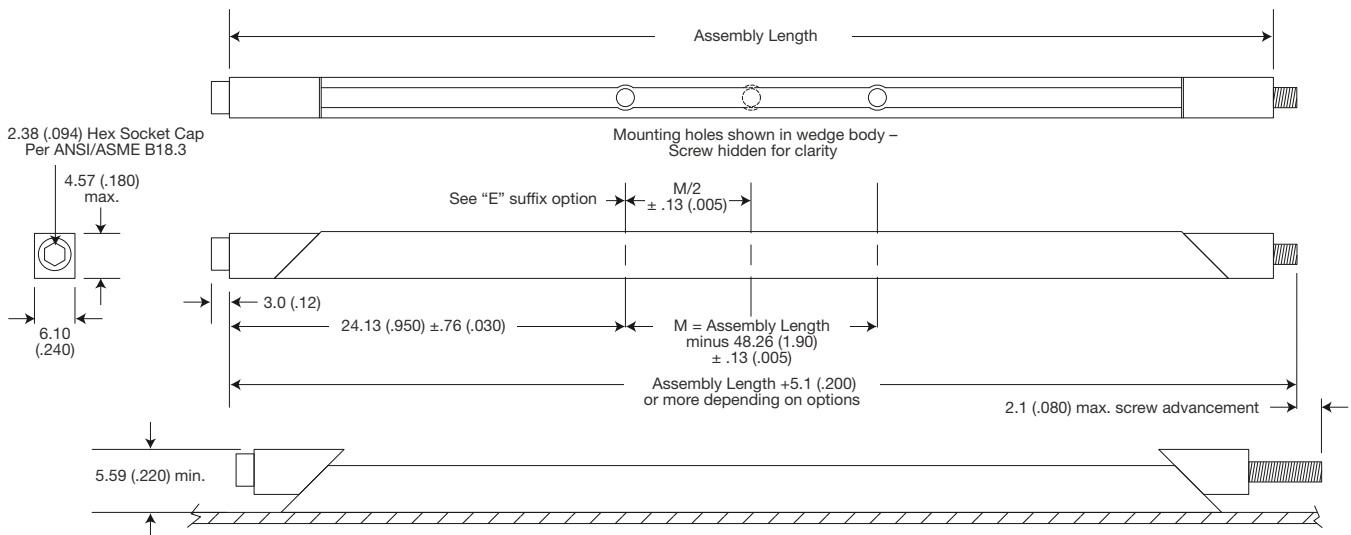
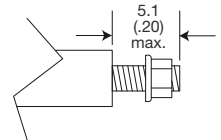
Detail "L"

Provides prevailing torque for resistance to loosening from shock and vibration.



Detail "R"

Reduces the possibility of unintentional disassembly of the screw from rear wedge. This option adds 2.54 (.100) to the screw length when combined with the "W" option.



Units: mm (in)
Unless specified otherwise,
.xx = ± .25, .x = ± .5
(.xxx = ± .010, .xx = ± .02)

Part Number Code

Series 240 Card-Lok Three Piece

Prefix options

Metric Screw Head M2.5 Hex Drive M
Standard Screw Head 3/32 Hex Drive [blank]
Lock and Flat Washer W
None [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 Lock Nut "-"
Assembly length in inches. Standard lengths range from 54.6 (2.15) to 329.9 (12.99) length.xx
Preferred lengths are 71.1 (2.80), 96.5 (3.80) and 121.9 (4.80)
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
None [blank]

Part Number Code Example:

A240CR3.80EHLR

Series 240 three piece Card-Lok, black anodized finish, 96.52 (3.80) long, holes for rivet mounting including an extra center mounting hole, with locking element on the screw thread and a stainless steel locknut.

Code Letter	FINISH TABLE
[blank]	Chemical Film per Mil-C-5541 Class 1A, 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	MOUNTING METHOD TABLE
[blank]	No mounting holes
"H"	Rivet Mounting Ø1.70 (.067) hole with 3.96 (.156) counterbore x 5.08 (.200) deep and 100° x 3.56 (.140) countersink.
"TO"	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