

Calmark offers the Series 263 "Card-Lok" Retainer for cold-plate, heat exchanger applications. This "Card-Lok" configuration offers a larger cross sectional profile for increased clamping force and thermal transfer.

### FEATURES

- Maximum uniform clamping force
- Increased thermal transfer
- Maintains wedge and body alignment for easy insertion
- Captivated rear wedge
- Choice of screw head style
- Lighter weight
- Lower cost – Faster delivery
- Special lengths, finishes or other design options available on request

### WEDGES & SHAFT

#### Material:

Aluminum Alloy 6061-T6, ASTM-B221

#### Finish:

See Part Number Code

### SCREW, LOCK & FLAT WASHER

#### Material:

300 Series Stainless Steel

#### Finish:

Passivate per Mil-S-5002

### ROLL PIN

#### Material:

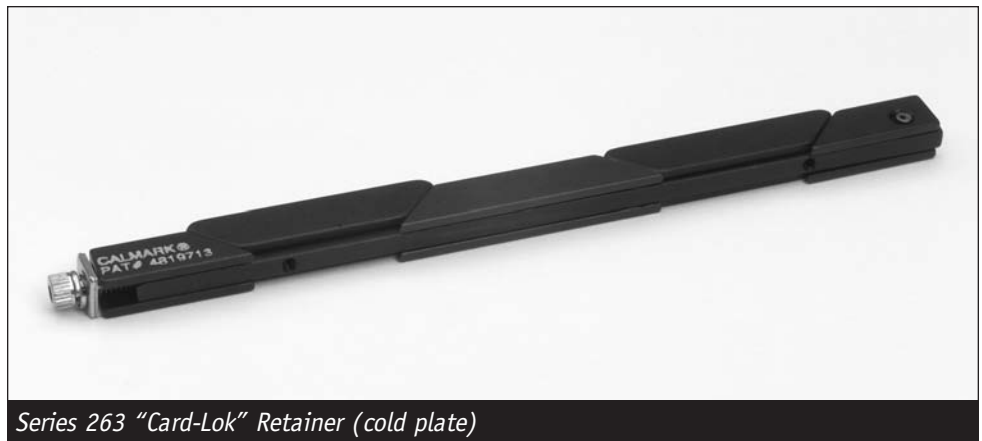
400 Series Stainless Steel

#### Finish:

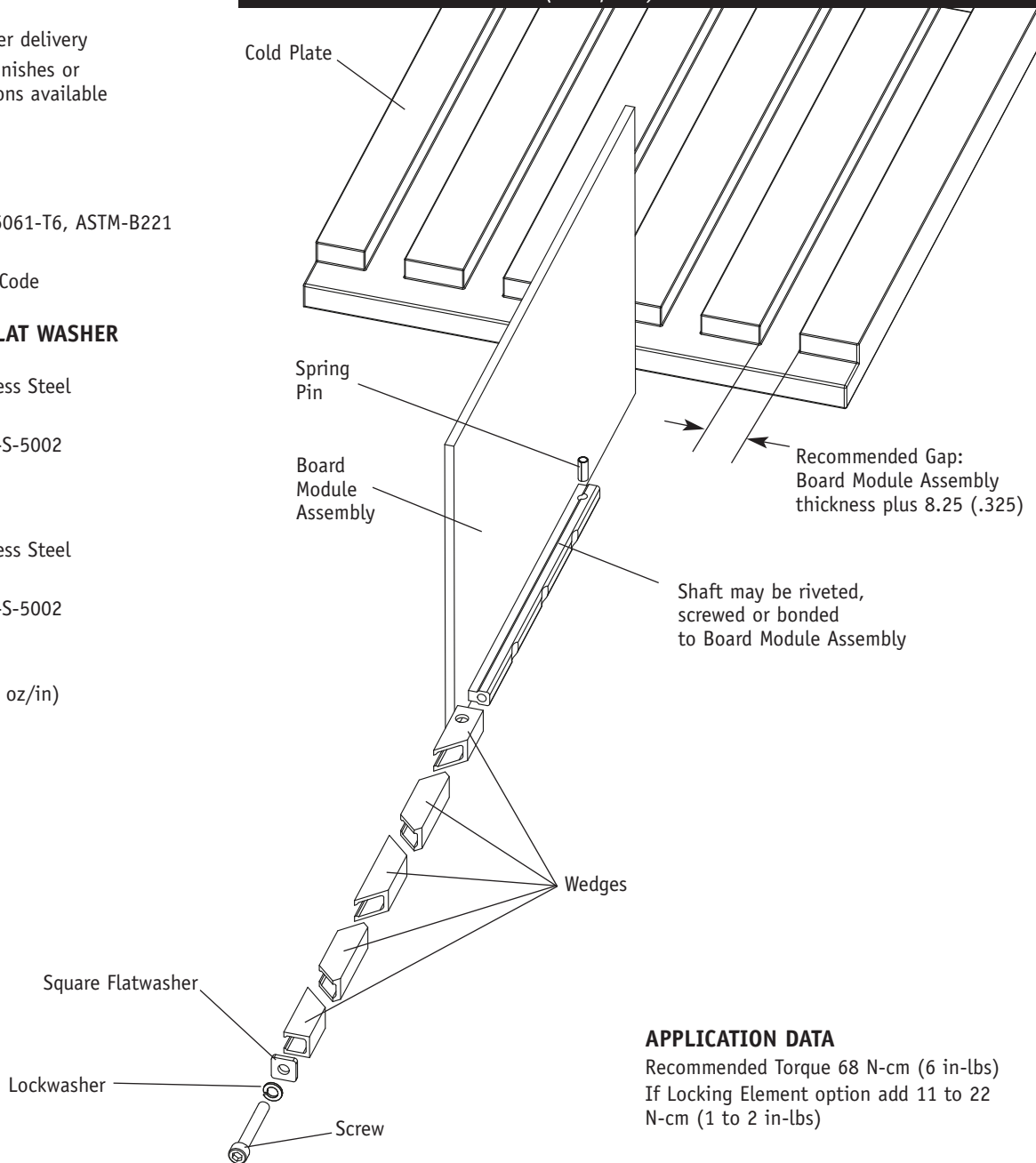
Passivate per Mil-S-5002

### WEIGHT

1.07 g/cm (.096 oz/in)



Series 263 "Card-Lok" Retainer (cold plate)



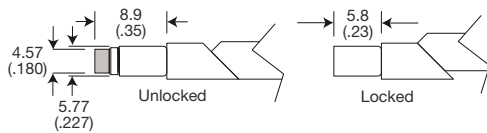
### APPLICATION DATA

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 "V"

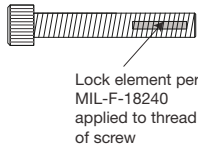
Provides visual lock indication.



## OPTION SUFFIX

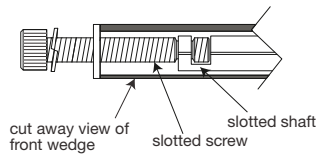
### Detail "L"

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

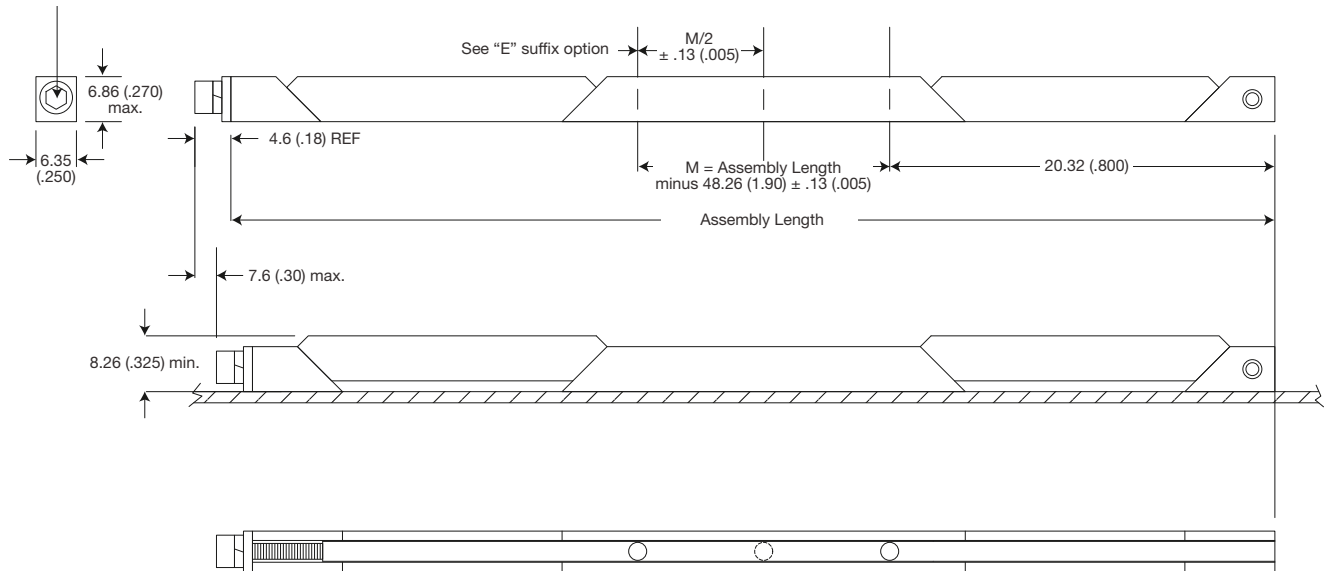


### Detail "K"

Prevents the unintentional disassembly of screw from front wedge.



2.38 (.094) Hex Socket Cap  
Per ANSI/ASME B18.3



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

### Part Number Code Series 263 Card-Lok Five Piece

	M	V	A	263	-	3.80	E	H	L	K
<b>Prefix options</b>										
Metric Screw Head M2.5 Hex Drive	M									
Standard Screw Head 3/32 Hex Drive	[blank]									
Visual Indicator		V								
No Visual Indicator		[blank]								
Black Anodize			A							
or choose from Finish Table			see table							
<b>Suffix options</b>										
Assembly length from 54.6 (2.15) to 329.9 (12.99)						length.xx				
Preferred lengths are 71.12 (2.80), 96.52 (3.80) and 121.9 (4.80)										
Other lengths available upon request										
Additional Center Mounting Hole							E			
None							[blank]			
Mounting Options - through mounting holes								H		
or choose from Mounting Option Table								see table		
Lock Element									L	
None									[blank]	
Captive Screw										K
None										[blank]

### Part Number Code Example:

V263-3.80ETOK

Series 263 Card-Lok five piece 96.52 (3.80) long with M3 socket head screw, visual indicator, gold chemical finish, 0-80 tapped mounting holes with an additional center mounting hole and a captive screw option.

### FINISH TABLE

Code Letter	Finish
[blank]	Chemical Film per Mil-C-5541 Class 3, 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

### MOUNTING METHOD TABLE

Code Letter	Method
"H"	Ø1.73/1.85 (.068/.073) dia. through holes countersink 100° x 1.50 (.060) deep
"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