

# Series 224 Card-Lok

CONNECT AND PROTECT

## Series 224 Torque Limiting Card-Lok

### RECOMMENDED GAP WIDTH

PCB + 8.00 (.315)

### WEIGHT

1.12 g/cm (.10 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

#### TORQUE LIMITING MECHANISM

- **Material:** Stainless Steel 17-4 PH
- **Finish:** Dry Film Lube per Mil-L-46010 Type 1

#### SCREW

.09-in. or 2.5-mm hex. socket head cap screw, depending on mounting configuration

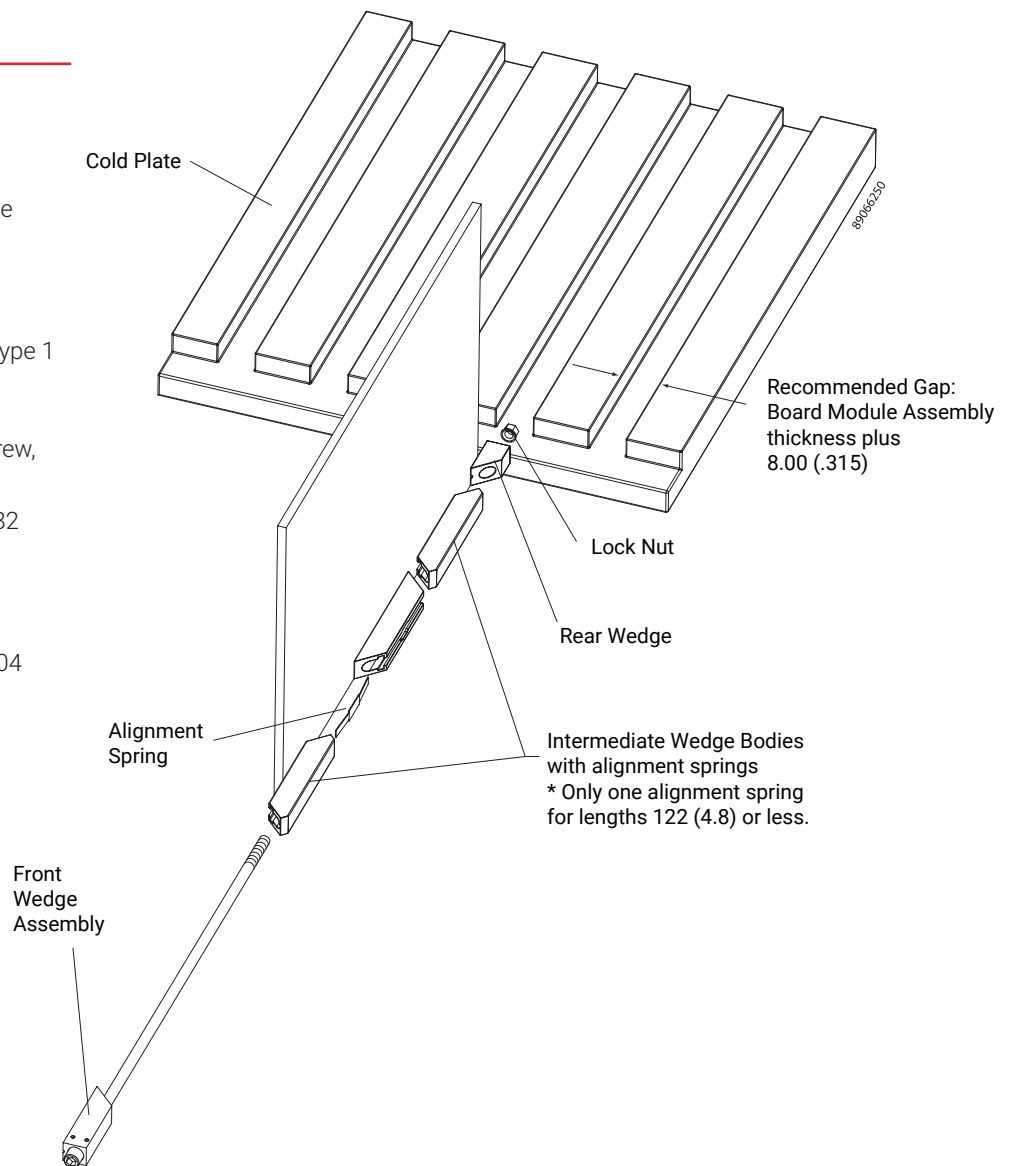
- **Material:** Stainless steel per ASTM A-582
- **Finish:** Passivated per AMS2700

#### LOCK NUT

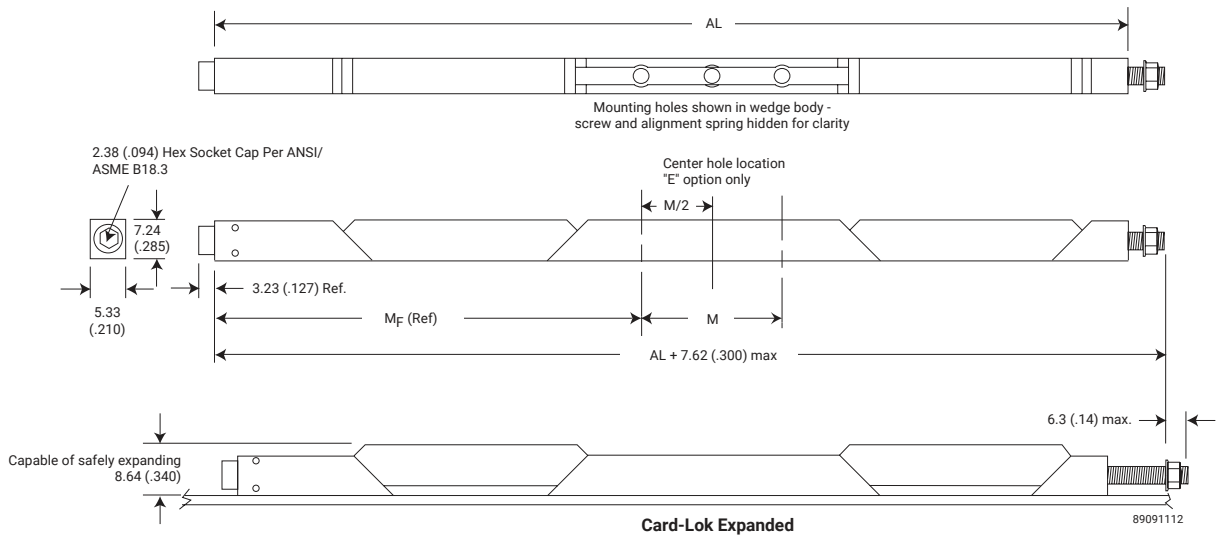
- **Material:** Stainless steel per MS21043-04
- **Finish:** Silver plate per AMS 2410

#### ALIGNMENT SPRINGS

- **Material:** 301 stainless steel half hard per AMS 5518
- **Finish:** Passivated per AMS2700



**SERIES 224 CARD-LOK**



AL range ± 1.3 (.050)	M ± .13 (.005)	$M_F$ ± .76 (.030)
From 97 (3.8) - 185 (7.3)	22.86 (.90)	
From 198 (7.8) - 211 (8.3)	48.26 (1.90)	$\frac{AL+12.5 (.500)-M}{2}$
From 224 (8.8) - 325 (12.8)	73.66 (2.90)	

Units: mm (in)  
**Unless otherwise specified:**  
 .xx ± .25, .x ± .5 (.xxx ± .010, .xx ± .02)  
 Note: Each piece has a tolerance of ± .010

**Part Number Code**  
**Series 224 TL Card-Lok Five Piece**

M A 224 - 4.80 E T2

**Prefix options**

Metric Screw Head M2.5 Hex Drive \_\_\_\_\_ **M**  
 Standard Screw Head 3/32 Hex Drive \_\_\_\_\_ **[blank]**

Black Anodize \_\_\_\_\_ **A**  
 or choose from Finish Table \_\_\_\_\_ **see table**

**Suffix options**

Min length. = 97 (3.8), Max length = 325 (12.8),  
 in 13 (0.5) increments \_\_\_\_\_ **length.xx**

Additional Center Mounting Hole \_\_\_\_\_ **E**  
 None \_\_\_\_\_ **[blank]**

**Mounting options**

2-56 tapped mounting hole or choose from  
 Mounting Method Table \_\_\_\_\_ **T2**

**Part Number Code example: A224 - 4.80T2**  
 Series 224 Card-Lok 121.9 (4.8) long assembly length, black anodized with two 2-56 threaded mounting holes

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**FINISH TABLE**

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

**MOUNTING METHOD TABLE**

Code Letter	Finish
<b>[blank]</b>	<b>No mounting holes</b>
<b>"H"</b>	Rivet Mounting Ø1.70 (.067) hole with 3.96 (.156) counterbore x 5.08 (.200) deep and 100° x 3.56 (.140) countersink
<b>"T0"</b>	0-80 tapped hole
<b>"T2"</b>	2-56 tapped hole
<b>"TM2"</b>	M2 x 0.40 tapped hole
<b>"TM2.5"</b>	M2.5 x 0.45 tapped hole

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