

Series 223 Card-Lok

CONNECT AND PROTECT

Series 223 Torque Limiting Card-Lok

RECOMMENDED GAP WIDTH

PCB + 7.62 (.300)

WEIGHT

1.12 g/cm (.10 oz/in)

MATERIALS AND FINISH

TORQUE LIMITING MECHANISM

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

WEDGES

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

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

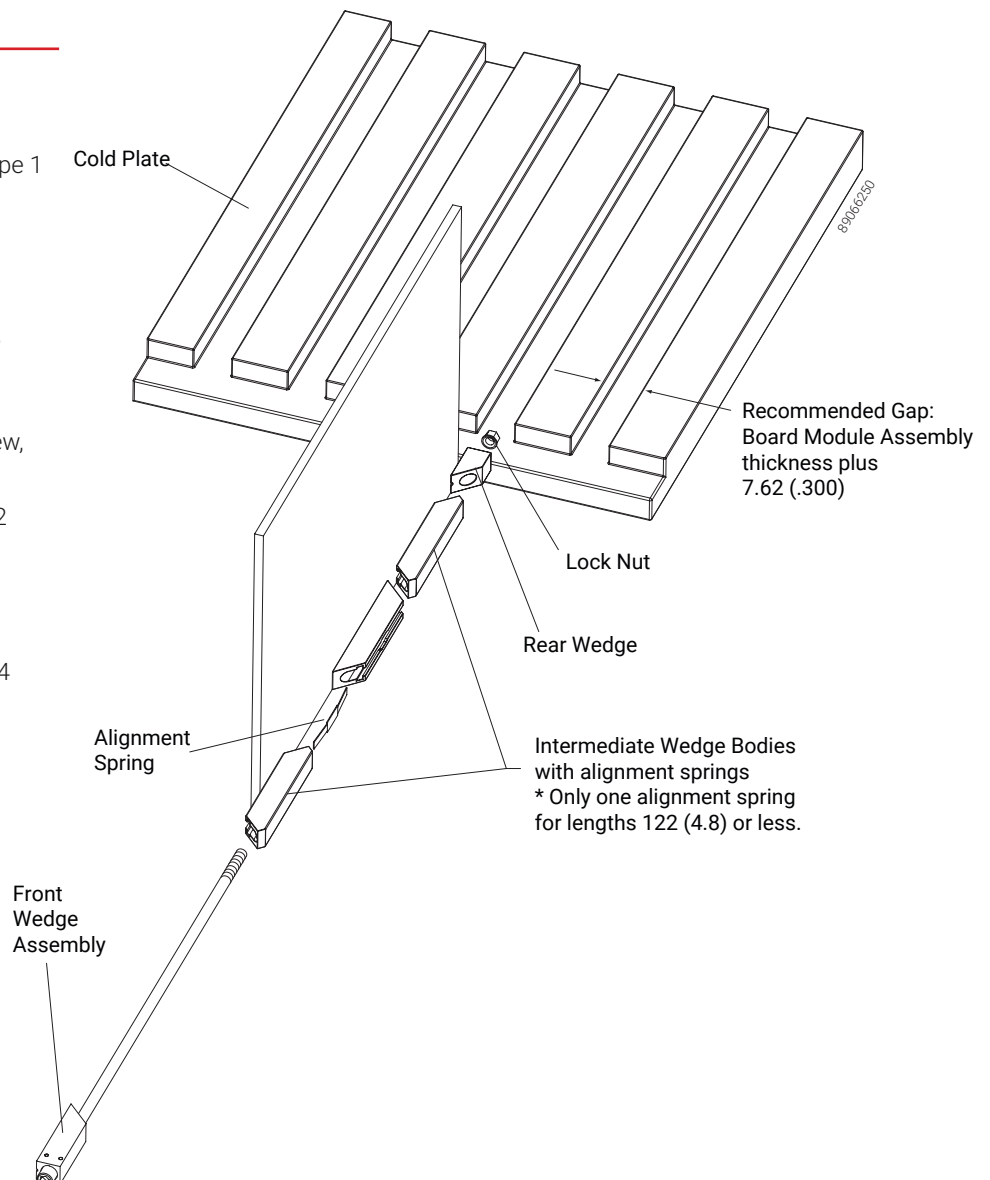
- **Material:** Stainless steel per MS21043-04
- **Finish:** Silver plate per AMS 2410

ALIGNMENT SPRINGS

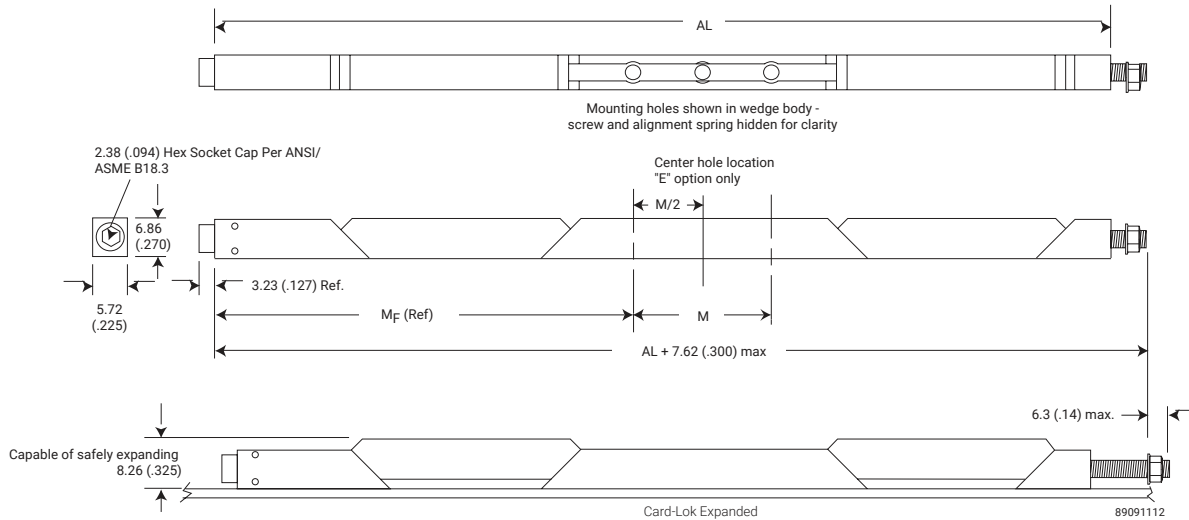
- **Material:** 301 stainless steel half hard per AMS 5518
- **Finish:** Passivated per AMS2700



Patent no. 7,883,289



SERIES 223 CARD-LOK



AL range ± 1.3 (.050)	M $\pm .13$ (.005)	M_F $\pm .76$ (.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 $\pm .25$, x $\pm .5$ (xxx $\pm .010$, xx $\pm .02$)

Note: Each piece has a tolerance of $\pm .010$

Part Number Code

Series 223 TL Card-Lok Five Piece

M A 223 - 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: A223- 4.80T2

Series 223 Card-Lok 121.9 (4.8) long assembly length, black anodized with two 2-56 threaded mounting holes

FINISH TABLE

Code Letter	Finish
[blank]	Chemical Film Finish Gold per Mil-DTL-5541, Type 1 Class 1A
"R"	Chemical Film Finish Clear per Mil-DTL-5541, Class 3 Type II
"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	Finish
[blank]	No mounting holes
"R"	Chemical Film Finish Clear per Mil-DTL-5541,
"A"	Rivet Mounting $\varnothing 1.70$ (.067) hole with 3.96 (.156) counterbore x 5.08 (.200) deep and 100° x 3.56 (.140) 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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