

Series 223 Card-Lok

Series 223 Torque Limiting Card-Lok

Meets **VITA** 46, 48.2, 48.4, 48.5
In alignment with the
SOSA® Technical Standard



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

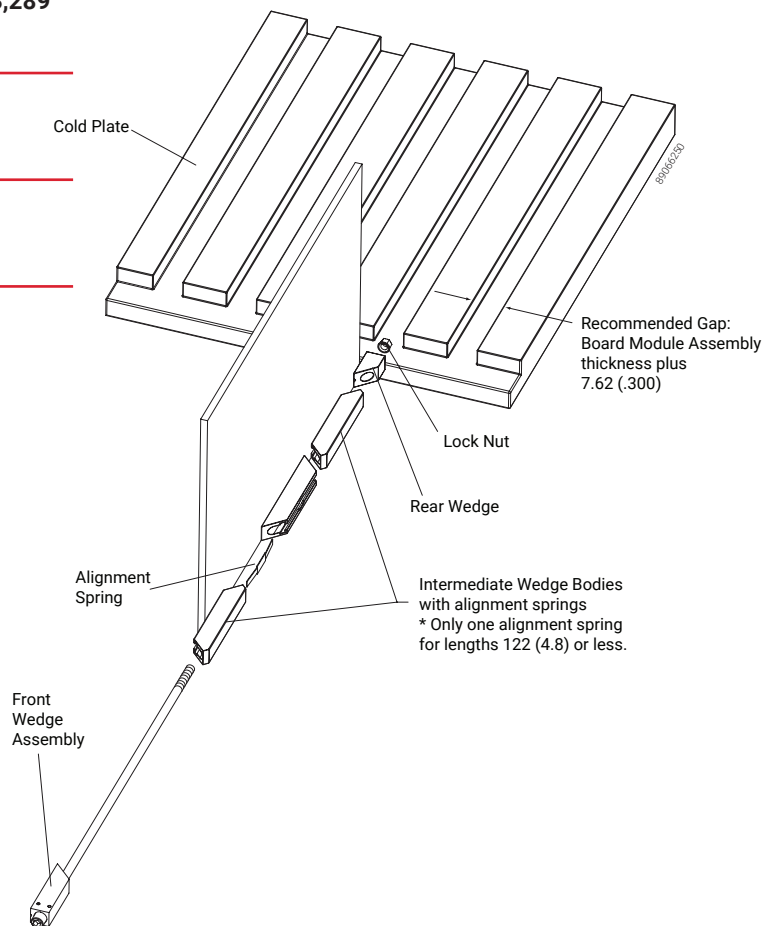
- **Material:** Stainless steel per ASTM A-582
- **Finish:** Passivated per AMS2700

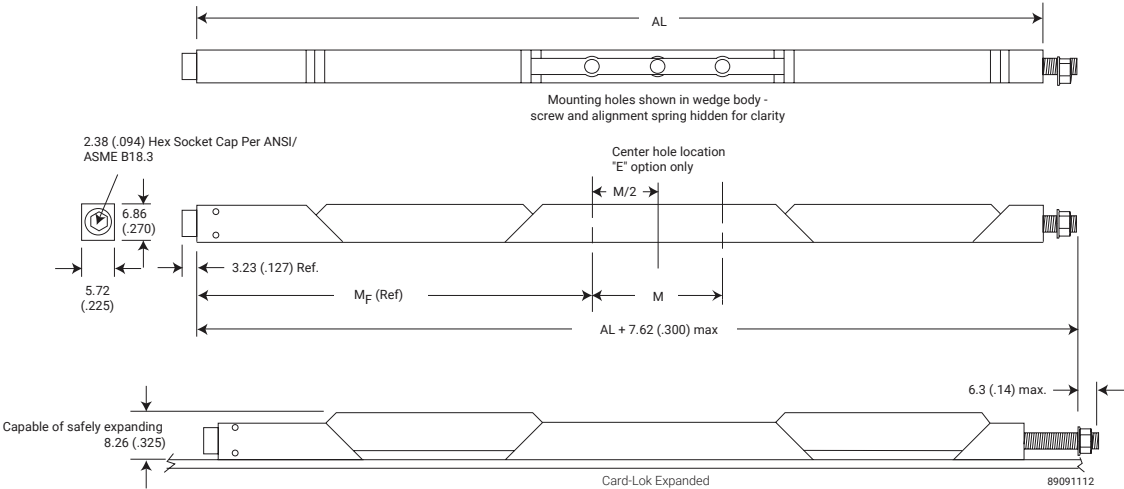
Lock Nut

- **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





AL range ± 1.3 (.050)	M ± .13 (.005)	MF ± .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 223 TL Card-Lok Five Piece

Prefix options

Metric Screw Head 2.5 mm 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

M A 223 - 4.80 E 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 Ø1.70 (.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

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