

Patent no. 7,883,289



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 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:

Passivate per AMS2700

LOCK NUT

Material:

Stainless steel per MS21043-04

Finish:

Silver plate per AMS 2410

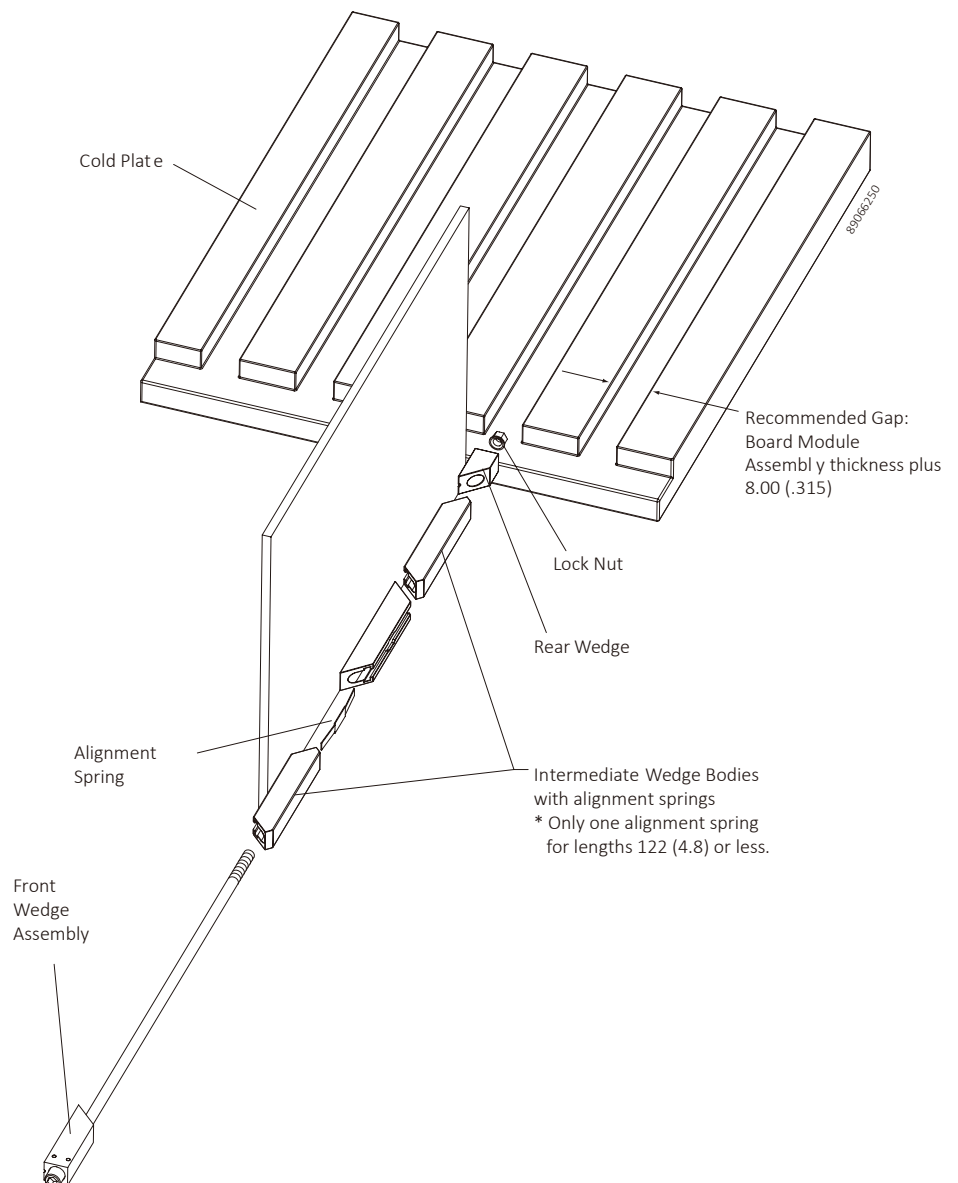
ALIGNMENT SPRINGS

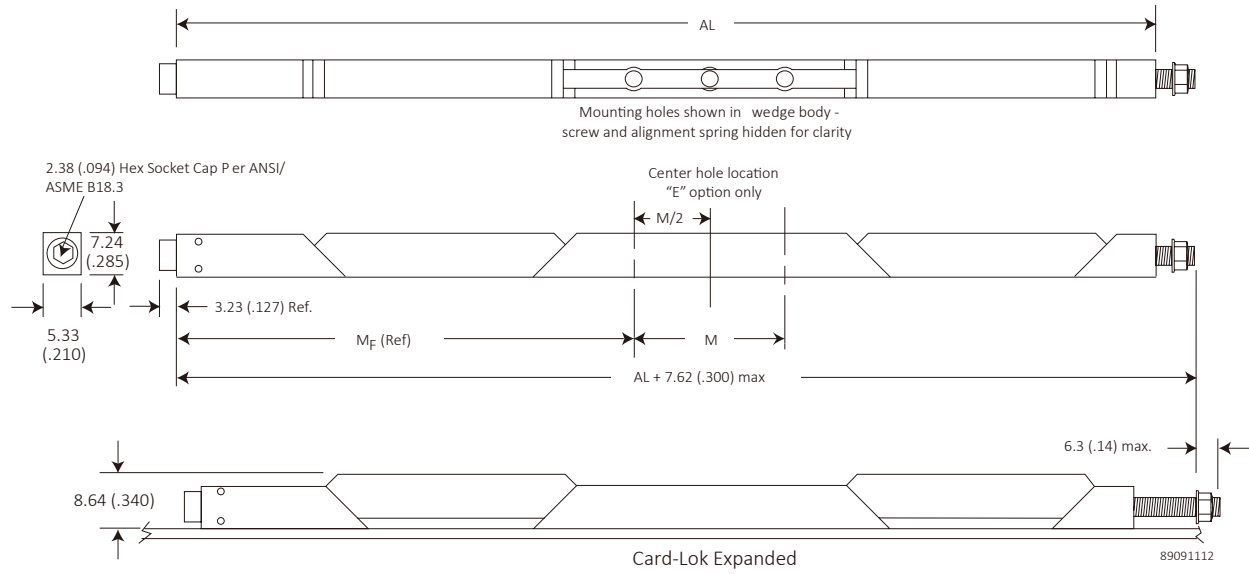
Material:

301 stainless steel half hard per AMS 5518

Finish:

Passivated per AMS2700





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

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

Part Number Code
 Series 224 TL Card-Lok Five Piece

Z 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

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 I
"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
[blank]	No mounting holes
"H"	Rivet Mounting $\varnothing 1.70 (.067)$ hole with 3.96 (.156) counterbore x 5.08 (.200) deep and 100° x 3.5 (.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

Part Number Code Example:
 ZA224 - 4.80T2
 Series 224 Card-Lok 121.9 (4.8) long assembly length, black anodized with two 2-56 threaded mounting holes