

The SOLIDWEDGE™ is a breakthrough technology that allows conduction cooled modules to operate at higher thermal loads in higher temperature environments.

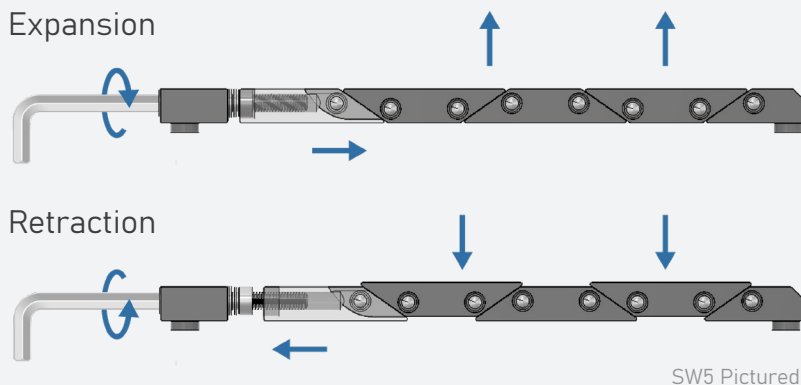
## OPTIMIZED FOR VITA 48.2 AND CPCI



**US PATENT**  
**8,456,846**

## POSITIVE RETRACTION

Adjacent wedge segments are connected to prevent a stuck wedge lock. Turning the drive screw counterclockwise retracts the threaded drive wedge, pulling each of the connected segments down to their relaxed position.



## THERMAL RESISTANCE

0.08 °C/W Resistance per Card Edge

## FEATURES

- 1800 lb Clamping Force
- Mass: 123 g
- Helicoil Insert
- Belleville Spring Washers
- #10 Drive Screw
- Zero Insertion Force
- Low Profile Design
- Self-Retracting Segments
- Superior Plating Endurance
- Optimized for Vita Specifications
- Models Available for Download
- Torque to 15-30 in-lbs

## MATERIALS

Active Wedge Segments: 6061-T6511

Front Mounting Block: 7075-T7351

Screws, Nuts, Washers:  
300 Series Stainless Steel  
(passivated per AMS - 2700)

Helicoil Wire Insert: Nitronic 60

## 3D MODEL:

<https://a360.co/3SteD0K>

The SOLIDWEDGE™ design provides three times the thermal contact area of conventional wedge locks. The design also features a larger screw size, which creates higher contact forces between the heat frame and cold wall surfaces, significantly improving thermal performance.

The interconnected links of the SOLIDWEDGE™ feature positive retraction of all segments without the use of springs or other mechanisms.



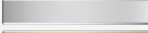

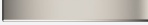
## PART NUMBER BUILDER

Required

Additional Specifications

<b>SW5</b>		<b>180</b>		<b>375</b>		<b>375</b>		<b>XXX</b>		<b>XX</b>		<b>YY</b>					
Wedge:		Spacing:		Height: 0.375"		Width: 0.375"		Hex:		Finish:		1		2		3	
SW - SOLIDWEDGE		18" MOUNTING HOLE SPACING		0.375"		0.375"		5/32" HEX KEY - [532]				[NL] - NYLOK LOCK PATCH					
5 - ACTIVE SEGMENTS								M4 HEX KEY - [M4]									

	BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2	[BA]
	HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2	[BH]
	CHEMICAL FILM PER MIL-C-5541, CLASS 1A, CLEAR	[CC]
	CHEMICAL FILM PER MIL-C-5541, CLASS 1A, GOLD, NON-ROHS	[CG]
	ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT	[EN]

RECOMMENDED PART NUMBER: SW5-180-375-375-532-BA

## MOUNTING DETAILS

