

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

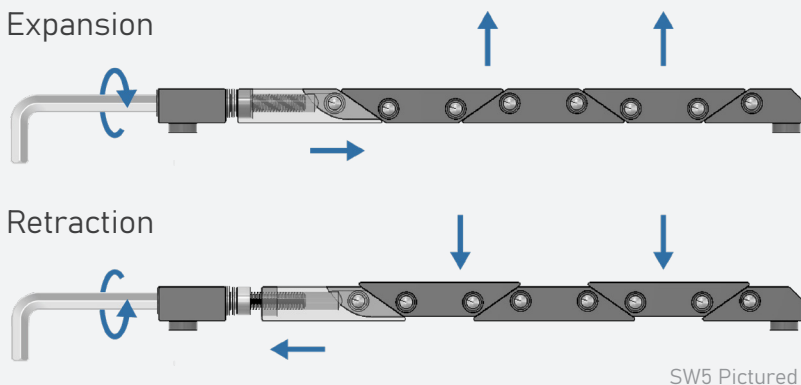
## OPTIMIZED FOR VITA 48.2 AND CPCI



**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: 110 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/3ss8bfP>

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>160</b>	<b>375</b>	<b>375</b>	<b>XXX</b>	<b>XX</b>	<b>YY</b>		
Wedge:	Spacing: 16" MOUNTING HOLE SPACING	Height: 0.375"	Width: 0.375"	Hex:	Finish:	1 [NL] - NYLOK LOCK PATCH	2	3
SW - SOLIDWEDGE 5 - ACTIVE SEGMENTS		5/32" HEX KEY - [532] M4 HEX KEY - [M4]						
<ul style="list-style-type: none"> <li>BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2 [BA]</li> <li>HARD BLACK ANODIZE PER MIL-A-8625, TYPE III, CLASS 2 [BH]</li> <li>CHEMICAL FILM PER MIL-C-5541, CLASS 1A, CLEAR [CC]</li> <li>CHEMICAL FILM PER MIL-C-5541, CLASS 1A, GOLD, NON-ROHS [CG]</li> <li>ELECTROLESS NICKEL PER MIL-C-26074, CLASS 4, GRADE B, BRIGHT [EN]</li> </ul>								

RECOMMENDED PART NUMBER: SW5-160-375-375-532-BA

## MOUNTING DETAILS

