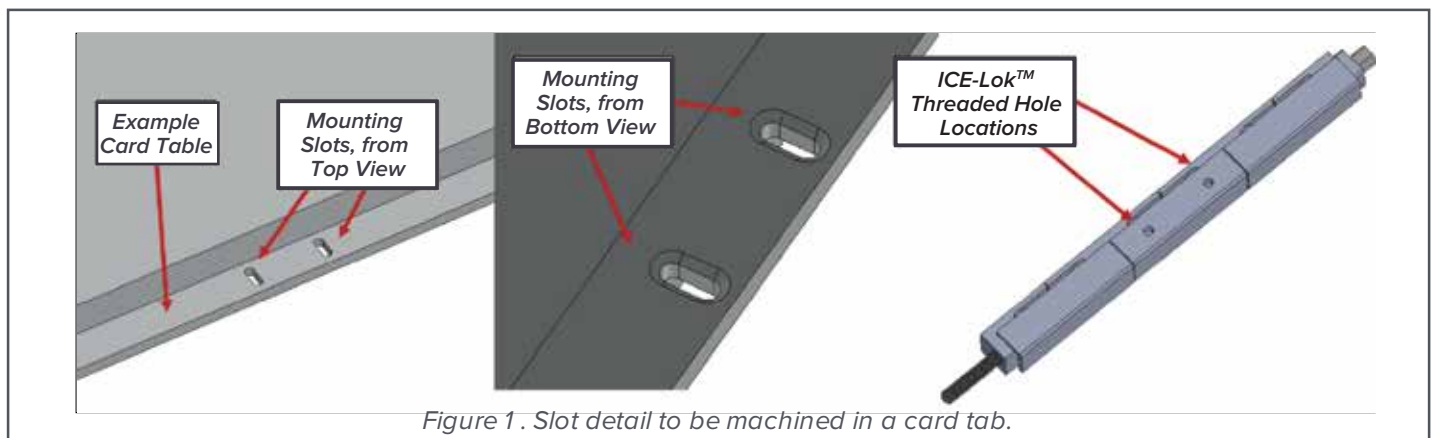




ICE-LOK™ - INSTALLATION INSTRUCTIONS

Step 1: Install ICE-Loks™ to Card Module

The ICE-Lok™ card retainer is designed to be installed onto a card module with a sufficiently sized card tab, with properly machined mounting slots. Figure 1 shows the slot detail on a card tab. Two screws can be inserted into the card tab slots and threaded into the tapped full-wedge of the ICE-Lok™. The screws will clamp the ICE-Lok™ to the card module, but will slide in the slot as the ICE-Lok™ is actuated due to the much higher force generated by the wedging-action. Torque should be minimized on the screws during installation so lateral motion of the wedge isn't prohibited and prevent excessive wear of the coating as the wedge slides.

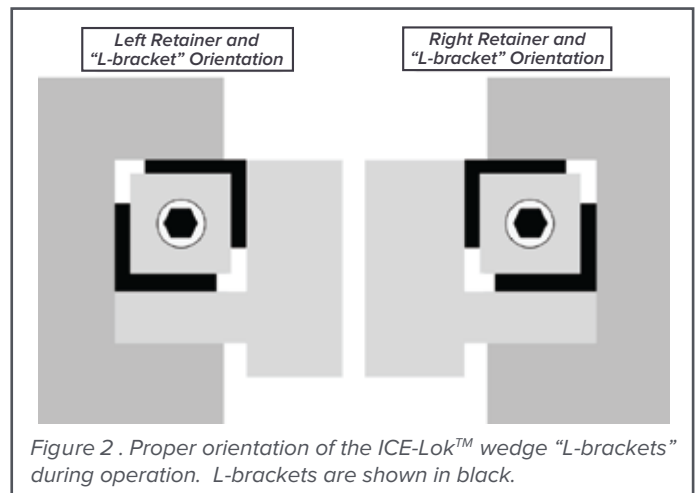


Step 2: Install Card Module to Chassis

Both a left and right card retainer are required for a single card module. Proper installation must be observed to achieve maximum thermal effectiveness. To verify correct installation, Figure 2 can be referred to, which shows the proper orientation of the L-bracket features of the ICE-Lok™ wedges.

Step 3: Apply Installation Torque

Once the card module is installed, the ICE-Lok™ card retainers may be actuated to begin clamping the card in place. Care must be taken to balance the actuation between the left and the right ICE-Lok™ for the greatest thermal effectiveness. It is recommended that the left and the right ICE-Loks™ be tightened a similar number of turns by first tightening bolt sides evenly, and to “hand-tightness”. Then, when both retainers are tight, the full installation torque of 20 in-lbs may be applied to the actuating bolt.



QUESTIONS?

For additional support, call ACT at 717.295.6061.