

# PACIFIC LOCK'S 400XIC

## Hockey-Puck for SFIC's and KiK Cylinders

Pacific Lock introduces the first and only hardened steel hockey-puck padlock that accepts Small Format Interchangeable Core Cylinders and Key in Knob standard door cylinders.



*By Josh Fleagane, P.E., Vice President*

The marriage of a hockey-puck padlock with a Small Format Interchangeable Core (SFIC) cylinder has eluded the padlock industry for quite some time. This is even more true for a hockey-puck padlock that can accept a Key in Knob (KiK) standard door cylinder. One would think that with the invention of the IC Core and the KiK cylinder, the inevitable progression is for a hockey-puck style padlock to be designed to accept these style cylinders. That progression is finally complete with Pacific Lock's new "400XIC" PACLOCK!

The new 400XIC PACLOCK is the **world's** first and **only** hockey-puck padlock that can accept either a Small Format IC Core or a KiK standard door cylinder.

explain how these two sleeves are different and how an IC Core or KiK cylinder works in them.



**Figure 2: The 400XIC Sleeve Assembly**



**Figure 1: The 400XIC ~ SFIC & KiK Capable**

The cornerstone of the 400XIC is our **patent pending** sleeve that acts as an interface between the IC/KiK cylinders and the hockey-puck body. The body of the 400XIC hockey-puck is the same for both the IC Core application and the KiK cylinder application. There are two different sleeves; one for the IC Core and the other for the KiK cylinder. I will

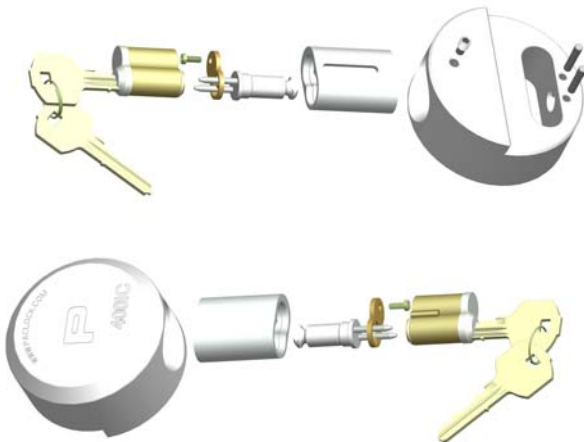
### 400XIC for IC Cores

For an IC Core application, the inside of the sleeve is similar to the inside of a traditional IC Core padlock. It has the mating end to the locking sidebar for the core. It also has two long forks sticking out and positioned properly to receive the core. However, there are some differences from the 400XIC design versus a traditional IC Core padlock. For the 400XIC, the forks are directly attached to the shackle. The shackle and forks, then, are held in place by a shackle retainer and screw. All PACLOCK IC Core padlocks use a shackle retainer and screw to secure the forks to the padlock. This prevents the forks, actuator and ball bearing from dropping out in transit. We used the same shackle retainer and screw design for the 400XIC to secure the shackle to the sleeve and prevent the shackle and forks from dropping out in transit.

Inserting the IC Core into the sleeve is exactly like inserting an IC Core into a conventional IC Core padlock. Insert the IC Core into the sleeve, turn the control key to actuate the locking bar and you're done! Once the IC Core is inserted into the sleeve, the sleeve acts much like

our 6-pin cylinder in a standard 400/2170/4070 series hockey-puck padlock.

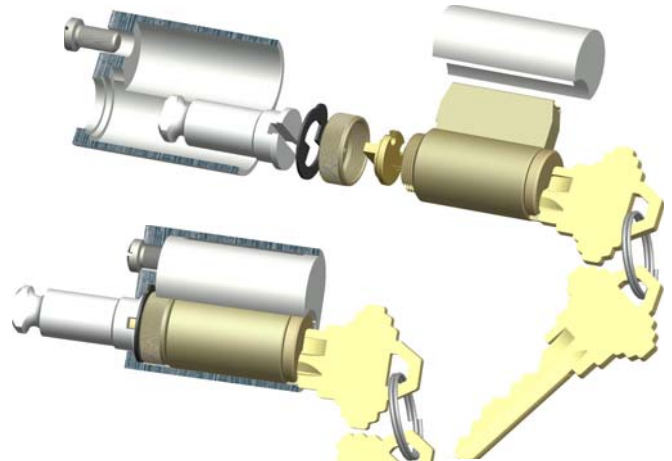
The operation and installation of the sleeve into the hockey-puck padlock is the same. Secure the sleeve into the hockey-puck body with the hockey-puck retaining screw and you're done. The hockey-puck screw prevents the sleeve from completely dropping out of the padlock, yet it allows the shackle to be locked and unlocked.



**Figure 3: 400XIC, IC Core Exploded View**

### 400XIC for KiK Cylinders

For a KiK cylinder application, the sleeve once again acts similar to our standard KiK or “X-Series” padlocks. The KiK cylinder interfaces with the shackle via a driver (tailpiece). The driver is similar to those used in conventional KiK cylinder padlocks. There are generally three different drivers in use today to support KiK’s from Medeco, Schlage, Lori as well as other designs. We’ve re-designed these three different drivers for our new 400XIC. The drivers are a bit different from the half moon shape style common in most KiK cylinder padlocks today. We designed the interface between the driver and the hockey-puck shackle as a bar-type. The shackle has a complementary cut-out to accommodate the driver bar.



**Figure 4: Cutaway, 400XIC Schlage Sleeve Assembly**

The installation of the KiK cylinder into the sleeve is similar to that of a KiK cylinder into a conventional KiK padlock. Slip the hardened steel barrel plug on top of the KiK cylinder bible. Drop the shackle into the sleeve. Insert the stopper, driver, and KiK cylinder into the sleeve. The stopper is provided to prevent the KiK cylinder from rotating the opposite direction. Screw the barrel plug onto the sleeve and you are done.

Once the KiK cylinder is secured to the sleeve, insert the sleeve into the hockey-puck padlock body and screw down the hockey-puck screw to hold the sleeve in place. Once again, the sleeve acts exactly like a 6-pin cylinder would in a hockey-puck style padlock.



**Figure 5: Exploded View, 400XIC w/ Schlage**

I'm sure by now you are thinking of all of the applications this new padlock can be used for. Use your Schlage Primus or Medeco cylinders in a hardened steel hockey-puck padlock! Use your Best or Kaba Peak IC Cores in a hockey-puck padlock! The applications and opportunities are endless.

The icing of the cake is that the new 400XIC is from Pacific Lock. Because it is from Pacific Lock, you can take advantage of our "Your Logo, Your Locks" program and custom engrave your logo or your customers' logo on the new 400XIC. Also, with Pacific Lock you get our 10 shipping guarantee (even on custom engraving orders)! Because we are a family business, we stand behind all of our products, including the new 400XIC, and guarantee it for life.

We at Pacific Lock continue to develop new products and improve upon our existing line of products to give locksmiths the resources to satisfy their customers and get the job done. Most importantly, we listen to the suggestions and needs of locksmiths in our development of new products and improvements to our existing products. Look for more surprises from Pacific Lock in the coming year, including an aluminum hockey-puck padlock, different configurations of the 400XIC (such as a "flat back" 2170 version), and more.

For more information about the new 400XIC or any of Pacific Lock's other products, call your local distributor or Pacific Lock directly at 888-562-5565 / [sales@paclock.com](mailto:sales@paclock.com).