

ProSeries® Actuators and Drivers

ACTUATORS

As noted in the exploded views, all ProSeries® locks use an actuator mechanism that causes the ball bearings to lock or unlock the shackle. Typically ProSeries® locks are supplied with a NKR, Non Key Retaining, function actuator. There are five different variations of an NKR actuator you may encounter as shown here.

The two actuators on the right are the original 8 o'clock position type used in the Weather Tough®, Shrouded, Solid Body Brass and Solid Body Aluminum locks and also the Door Hardware compatible Solid Steel Body locks.

The two actuators on the left are the newer 12 o'clock versions used in all current Solid Body locks except the Door Hardware compatible Solid Steel locks. The middle actuator is used only in the 6230 lock.

The differences are in the size of the actuator and the location of the projection on the spring washer. The position of that projection inside the lock is critical to lock operation. Care should be taken to note the position when disassembling a lock so that it may be reassembled correctly. In the picture, the actuator on the left is called a 12 o'clock style and the one on the right is called the 8 o'clock style.

In 2010 the shape of the actuators was changed for the Pro-Series® locks to a die-cast version. This die cast version spreads force from the ball bearings over a wider surface to inhibit shackles from pulling out in the unlocked position.

There are three different actuators to provide the NRK, Non Removable Key, function and they are show here. Special care should be taken to position them correctly within the lock during assembly.

DRIVERS

The door hardware locks require a driver to allow the door hardware cylinder to drive the actuator. There are four driver types available and they are shown on the right. Shown is the distinctive feature of the driver that engages the cylinder.

Positioning the driver on the cylinder should always be done to ensure that the orientation of the driver forms the assembly profile at the right.



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The Lori cylinders are available from Master Lock as part of the lock assembly and will be supplied with the 298-0626 driver. If you are using a Medeco 20-20000 or 20W20000 cylinder you should use a number 298-0627 driver. For all Schlage cylinders and the ASSA 65611 cylinder for the padlock you can use a 298-0628 driver. The number 298-0625 driver is used to adapt an Australian Lockwood cylinder.

Medeco also offers a cylinder for the padlock that can be used without a driver. Use a 51-0600 or a 51W0600 cylinder for that option, but realize that the same cylinder will not be adaptable to a door hardware lockset.

