Lockbar — New Lyon Latching System!

Greatly Reduces the Risk of Locker Break-Ins!

Powdered metal nano roller with Zamak 3 latch finger

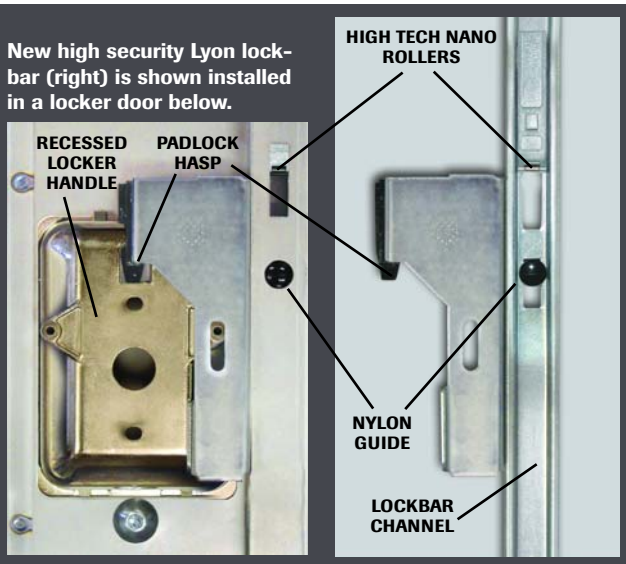
Vandalism and theft involving storage locker break-ins are increasingly serious problems for schools, businesses and industry.

Lyon Engineers have developed a new, patent pending locker latching system that utilizes nano (miniature) roller technology to provide over three times the resistance to break-ins compared to existing locker latching systems. (In this case, "resistance" is measured as the pounds of force required to pull a locker door open in a variety of laboratory tests simulating real life. See charts below.)

The actual nano roller is made of powdered metal — the same high tech metal used in automotive transmission gears — for unmatched resistance to wear. Lyon's unique latch finger that houses the nano roller is formed from Zamak® 3, a zinc alloy with up to 4 times the tensile strength of nylon, which is typically used in other lockers. A nationally known testing organization has tested the new locking system to 40,000 cycles, which means it will last for decades.

Further, a new nylon tamper resistant lockbar guide ensures proper lockbar alignment for smooth operation, while reducing overall noise by eliminating metal-to-metal contact.

New high security Lyon lockbar (right) is shown installed in a locker door below.



Nano rollers ride effortlessly up the door jambs and drop into place, providing up to three and one half times the resistance to break-ins compared to other locker latching systems. (Note: for demonstration purposes, top nano roller has been lowered into close proximity with locker handle.) New nylon lockbar guide ensures lockbar alignment and eliminates metal-to-metal contact.

Recessed Handle

The new Lyon Lockbar with nano roller technology is now standard with our Tamper Guard Handle as well as our Recessed Handle.

Tamper Guard Handle

LOCKER HANDLE PULL TEST Average pressure prior to failure	
LYON	1,100 Lbs.
Competitor A	456 Lbs.
Competitor B	517 Lbs.

LOCKER CORNER PULL TEST Average pressure prior to failure	
LYON	1,050 Lbs.
Competitor A	360 Lbs.
Competitor B	285 Lbs.

Charts showing the average pounds of force required to pull open a closed locker door, both from the handle (left) and from a corner (right).