LYON®
Workspace Products

For Unmatched Security. NANO METAL LOCKBAR LATCHING SYSTEM

Vandalism and break-in theft are increasingly serious problems for schools, businesses and industry.

Lyon Engineers have developed a new, patent pending locker latching system that utilizes nano 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.)

FEATURES

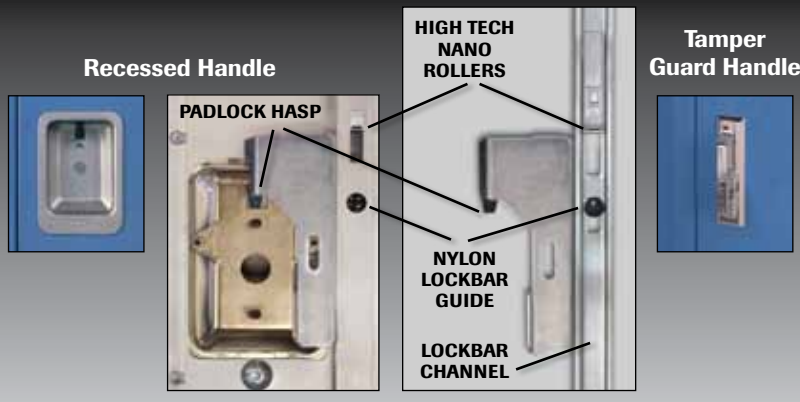
- Titanium nano roller — same high tech metal as auto transmission gears.
- Zamak zinc alloy latch finger — for up to 4 times the tensile strength than nylon.
- An independent lab test concludes that the new Lockbar latching system exceeded 40,000 cycles, which translates to decades of flawless security.
- New nylon tamper-resistant lockbar guide ensures proper lockbar alignment for smooth operation, while reducing overall noise by eliminating metal-to-metal contact.

Titanium nano roller with Zamak 3 latch finger

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 required to pull open a closed locker door, both from the handle (left) and from a corner (right).



Nano rollers ride effortlessly up the door jambs and drop into place, providing up to three 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.

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