Bandit Latch

Secure. Adjustable. Easy to use.

Strength Test Results

Procedures and Results:

The goal of this test was to calculate the amount of force required to kick in a residential entry door. The testing was performed both with a standard door installation and a door installation with the Bandit Latch jamb insert.

For testing purposes, a fixture was built to hold a door and doorjamb. The fixture made it possible to accurately duplicate the components used in a door installation and their relationship with each other. The key components included the door, hinges, jamb, knob, dead bolt, door bolts, and all mounting hardware. The testing was done by dropping measured dead weight on the latched door assembly. This test was done repeatedly using new components and varied weights until the breaking point was established. The results in foot pounds (ft-lbs) were as follows:

- The force required to break through the standard jamb installation was 20 pounds traveling at 31.07 feet per second or 300.04 ft-lbs.

- The force required to break through the jamb installation with Bandit Latch installed was 63 pounds traveling at 31.07 feet per second or 945.12 ft-lbs.

A kick test was also performed to replicate a forced entry scenario. The door was kicked as hard as possible. The standard installation failed on the first kick. The installation with Bandit Latch did not fail after 12 kicks. Eventually, the door began to splinter and break, but the jamb did not fail with Bandit Latch installed.

Summary

Our test results show that a door installed with our Bandit Latch jamb insert is three times stronger than the current standard door installation with a dead bolt. Also, we were unable to generate enough force to break the door installation with the Bandit Latch jamb insert by kicking it.

Rite Products, Inc.
PO Box 23
13601 Roth Rd.
Grabill, IN 46741

RP
RiteProductsInc.

P: 800.572.8894
F: 260.627.5852
kara@riteproductsinc.com
www.riteproductsinc.com