

TORNADO SOLUTIONS

Exit Devices & Door Locks For
Tornado Resistant Door Openings



**INDUSTRY PIONEER – FIRST TO HAVE
PASSED FEMA 320 & FEMA 361**

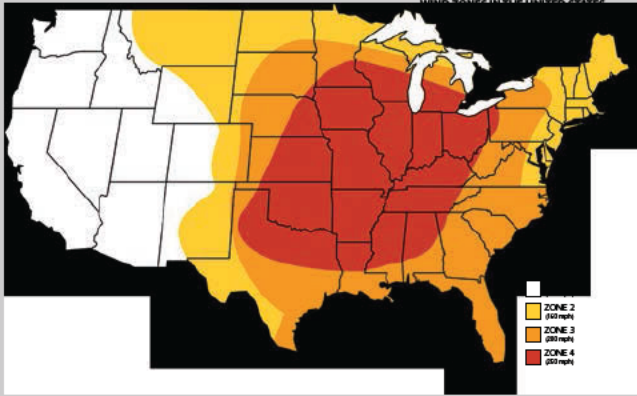
**TESTED & APPROVED FOR USE WITH
MULTIPLE DOOR MANUFACTURERS**

Panic Exit Deadlocking - Automatic Deadbolt Locking - Multi-Point Locking

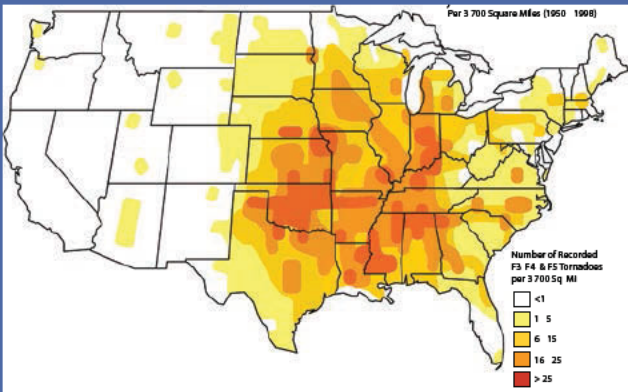


ANSWERING THE CALL

WIND ZONES IN THE UNITED STATES



TORNADO ACTIVITY IN THE UNITED STATES



Securitech is the first door hardware manufacturer to have products surpass both FEMA 320 and FEMA 361 guidelines to protect the public from extreme wind load and flying debris conditions that result from tornados.

Every state in the U.S. has experienced at least one tornado, and during the past decade, the central and southern parts of the country have suffered record-breaking frequencies of devastating storms. Although these areas are the most affected historically, tornados can occur anywhere in the country.

During a tornado storm extremely high winds can reach velocities up to 250 mph and create EXTREMELY high load on building structures and its components.

Based on the intensity and its area, tornados were classified into categories by Dr. T. Theodore Fujita in 1971. Latest studies allow experts to measure wind velocity more precisely, and a new enhanced scale has been developed:

Enhanced Fujita Intensity Scale

OPERATIONAL EF SCALE		
EF Number	Fajita's Description	3 Second Gust (mph)
0	Gale	65-85
1	Weak	86-110
2	Strong	111-135
3	Severe	136-165
4	Devastating	166-200
5	Incredible	Over 200

Source: <http://www.spc.noaa.gov/efscale/>

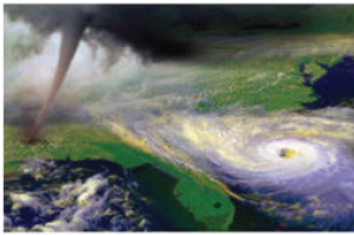
During the event of tornado, wind-borne debris can also become deadly and destructive, this flying debris is able to breach enclosed building structures and be fatal to the human life inside.

Throughout the years many organizations such as FEMA, NOAA's National Weather Service, NSSA, multiple universities and research centers, as well as International Code Council have invested tremendous effort into improving Public Awareness and promoting building construction, which will prevent disaster and save lives in severe storms.

Applicable Codes & Standards:

Taking Shelter From The Storm, August 2008, FEMA 320, rev.3
 Design and Construction Guidance for Community Safe Rooms, FEMA 361, rev.2
 ICC/NSSA Standard for the Design and Construction of Storm Shelters, ICC 500-2014
 International Building Code IBC-2015

INDUSTRY-LEADING SOLUTIONS



Design and Construction Guidance for Community Safe Rooms

FEMA 361, Second Edition / August 2008



In accordance with latest revisions of FEMA documents (FEMA 320 for buildings with occupancy load 16 people or less, and FEMA 361 for community safe rooms in buildings with occupancy load over 16 people) tornado shelter areas shall be designed, and components to be tested in compliance with ICC/NSSA Standard For Design and Construction of Storm Shelters, ICC 500-2014.

Based on the Design Wind Speed, provisions are given for wind borne debris impact testing for EF-2, EF-3, EF-4 and EF-5 tornado categories.

Tornado resistant Securitech products have been successfully tested to meet parameters for the highest EF-5 tornado category.

Teaming up with industry-leading door manufacturers, Securitech's comprehensive assortment of exit devices, multi-point locks and auxiliary hardware offers the widest range of solutions.



Taking Shelter From the Storm:

Building a Safe Room For Your Home or Small Business
Includes Construction Plans and Cost Estimates
FEMA 120, Third Edition / August 2008



FEMA HAZARD MITIGATION PROGRAM

Many communities in geographic areas, subject to experience tornado events, have renovated area(s) in public buildings to serve as a community shelter or a saferoom. Under the Hazard Mitigation Program, federal funds are made available for the purpose of significantly reducing risks to lives and property from natural disasters such as tornadoes and hurricanes.

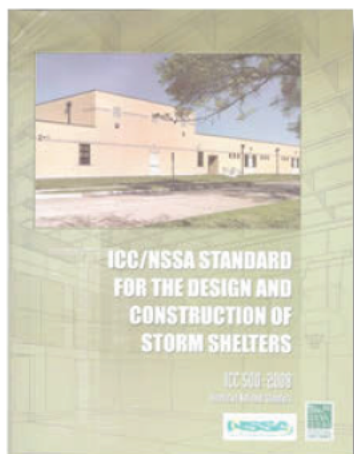
To establish eligibility for these funds, all products used for shelter construction, must comply with the criteria found in FEMA 361, 2nd edition, and by reference, ICC 500-2014.

INNOVATION MEETS APPLICATION

Originally designed to prevent forced entry and meet safety code requirements, Securitech's multi-point locking systems are ideally suited to meet FEMA 320 & 361 tornado guidelines and testing criteria found in the ICC 500-2014 Standard.

Frames, doors and hardware components are tested together as an assembly. By design, doors and frames are transferring load, created by wind or debris impact, to the main structure of the building. Locking hardware ensures that doors stay locked and do transfer that load regardless of the opening's handing and/or function.

The strength inherent in Securitech's multi-point locking systems provide perfect solutions to withstand these extreme loads and redistribute the load more evenly around the perimeter of the door opening.



ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS

ICC 500 - 2014

Approved by ICC and NSSA

ICC-500-2014

ICC-500-2014

SPECIFICATIONS

SUGGESTED SPECIFICATIONS FOR WINDSTORM APPLICATIONS

Hardware: (Preamble Sec 08710)

Multi-point Locks and Exit Devices

A. Multi-point Locks and Exit Devices, specified for tornado resistant doors, shall be manufactured in the USA and tested as an integral part of architectural opening assemblies in accordance with FEMA 320, rev.3; FEMA 361, rev.2; or ICC 500-2014. Hardware distributor shall include sufficient evidence of compliance with hardware submittals.

B. All Multi-point Locks and Exit Devices shall be heavy duty models, handed for each opening. Functions as listed in the hardware sets.

C. Multi-point Locks and Exit Devices shall have 5/8" minimum diameter spun stainless steel vertical deadbolts and cast stainless steel primary deadbolts (if applicable) with 1" throw minimum.

D. When required, Multi-point Locks and Exit devices shall comply with UL10C and UBC 7-2 positive pressure requirements.

E. All lever handles shall be cast construction. Locked levers shall remain in the rigid position unless unlocked by key or electric release, and shall contain a vandal-resistant slip clutch feature, allowing the lever to be forced downward without retracting bolts and latches, and shall be reset to the normal position without use of any tools.

F. When required, concealed vertical rod devices shall project bottom bolt into the strike jamb or mullion. This will allow to avoid creating strike cavity in the floor and shall eliminate the necessity of removing the door off the hinges for standard maintenance.

Hollow Metal Fabrication: (Preamble Sec 08100)

Installation and Execution:

Special Note: All 8000, 7000, 5000, 4300 High Security Locking systems specified by Securitech Group, Inc. require hollow metal grout boxes fabricated to the backside of frame in specific locations. Additional door reinforcement is also required. Fabricator shall furnish items and install per Securitech templates.

Securitech and our network of distributors and sales partners are glad to assist with specifications for the severe windstorm markets and other difficult doors. Please contact us for assistance; We are constantly developing new products to meet emerging security and life-safety needs.





PROVEN SOLUTIONS

ELEMENTS/OPTIONS	SERIES			
	5000	7000	8000	4300
Interior Lever & Exterior Lever	X	X	X	N/A ¹
Interior Touchbar & Exterior Lever		X	X	
Convert Single Point to Multi-Point	X	X	X ²	
Deadbolts Projected Manually	X	X		X
Deadbolts Projected Automatically			X	
Interior Operation: Deadbolts Retract By	Turnpiece, Lever or Key	Touchbar or Lever	Touchbar or Lever	Turnpiece
Exterior Operation: Deadbolts Retract By	Key	Key	Lever	Key
Vertical Control			X	
Concealed Vertical Rods	X	X	X	X
Surface Vertical Rods or Housing			X	
Optional HVL Module	X	X	X	X
Access Control Integration		X	X	
FEMA 361	X	X	X	
FEMA 320	X	X	X	X

With over 20 years of experience in multi-point locking and code compliant security hardware, Securitech is continuously developing innovative solutions for the windstorm market, in response to emerging and end-user identified needs.

Our proven windstorm solutions are created to surpass the most stringent testing criteria and protect life and property under extreme conditions.

The chart to the left lists the most prominent features and options by series. Let us help you select the model to meet the needs of each particular opening.

With literally thousands of potential models, you do not have to compromise functionality to meet shelter or safe room requirements.

Please note: Product usage varies by door manufacturer and their evidence of compliance.

¹ -Cylindrical latch lock by others

² - This can be done with the Vertical Control (VC) option

BOLT OPTIONS



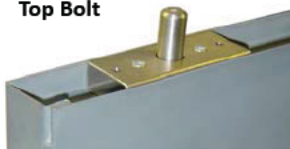
IHD - Internal

Vertical deadbolts travel within the door and are reinforced by Stainless Steel bolt guides and edge plates. (5000, 7000 & 8000 Models)



Stainless Steel Bolt Guide & Edge Plate For Internal Models

Top Bolt



HVL - Horizontal Lower Bolt

Deadbolt projects horizontally into the frame, not the floor. Prevents deadbolt jamming due to dirt and debris at the floor strike. (4300, 5000, 7000 & 8000 Models)

The HVL module gives the ability to service the lock without taking the door off the hinges.



VC - Vertical Control

Recommended for high-traffic doors. Vertical Control allows the Auto-Bolt to operate as a single point lock during non-emergency situations and become a multi-point lock during an emergency or after hours. (Toughbar model disengages bottom bolt only) (8000 Series Only)



CONVERT FROM SINGLE-POINT TO MULTI-POINT WITHOUT OPENING THE DOOR BY SLIDING THE SWITCH UP OR DOWN



SBD - Surface Bolts

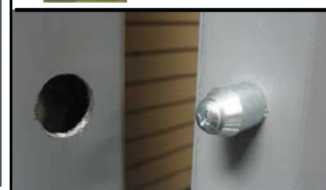
Vertical deadbolts travel inside stainless steel channels, mounted on the interior face of the door. Mounting brackets, attractive bracket covers and thru-bolt plates are used. (8000 Models Only)

Threaded rods on the internal models are easily sized in the field. SBD requires exact measurements when ordering



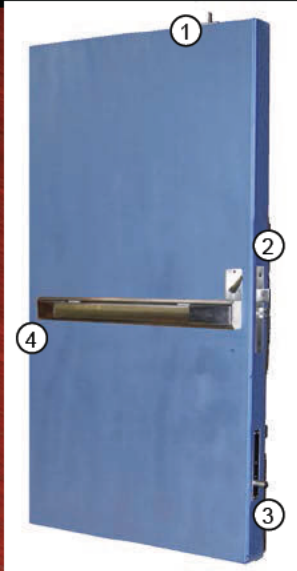
Stationary Bullet Bolt

Steel stationary bolt adds fourth point to the hinge side of the door. As the door closes the bolt engages with the frame. It is not connected to the lock body. (5400, 7400 & 8400 Models)



7000 SERIES

Multiple-Bolt Lock & Exit Device For Windstorm Protection On High Traffic Doors



* Door Not to Scale

7000 APPLICATIONS include but not limited to:

High Traffic Areas of Community Windstorm Shelters for Schools, Hospitals, Retail Stores, Office Buildings, Industrial/Commercial Facilities, Apartment Buildings Residential Safe Rooms



INTERIOR OPTIONS

Securitech's TOUGHBAR™



Integrated, Retractable Ends - No protrusions when device is used

Full-Length Actuator Bar - Rugged anti-vandalism design

Request-To-Exit - Designed for switch activation for request-to exit applications

Interior Turnpiece - Mounted on plate (see photo on left)

One Motion Exiting - Retracts All Bolts

*Order Toughbar to length
**Stainless Steel Cross-Bar Available

OUTSTANDING FEATURES:

Meets FEMA 361 & NISSA ICC 500-2008

Traditional Size Heavy Duty Mortise Lock - No Plastic Moving Parts

Available on single doors up to 4'X9' or double doors up to 8' x 9'

5" long, 5/8" diameter stainless steel vertical deadbolts with 1" projection

One action locks or unlocks all the deadbolts simultaneously

Meets all UL Fire-Code, Positive Pressure and ADA requirements for single motion exiting

Lock body fits into standard ANSI mortise lock preparation

Wide variety of standard and custom functions to meet specific locking requirements. Consult factory if not listed.

Exterior lever contains vandal-resistant slip clutch

24vDC Electrically Released Control Trim Available (250mA)

Consult Factory for proper mortise cylinder sizes and cams required for new and existing key systems. (Standard or High Security)

HOW DOES IT WORK?

Interior turnpiece manually projects all of the deadbolts. Interior touchbar or lever retracts all of the bolts simultaneously for one-motion exiting.

INNOVATIVE FEATURES:

HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.



Lever Finishes & Styles

- 630 - Satin Stainless Steel
- 605 - Bright Brass
- 606 - Satin Brass
- 612 - Satin Bronze
- 613 - Oil Rubbed Bronze
- 625 - Bright Chrome
- 626 - Satin Chrome



EXTERIOR OPTIONS

Lever with Turnpiece



Heavy Duty Lever
Stainless Steel Cast Construction

One Motion Exiting
Retracts All Bolts

Exterior Lever Trim



Mechanical Trim

Vandal Resistant
Built In Slip-Clutch

Heavy Duty Levers
Stainless Steel Cast Construction

Control Trim



Electrified Option
24vDC Electric Release (250mA)

Vandal Resistant
Built In Slip-Clutch

Heavy Duty Levers
Stainless Steel Cast Construction

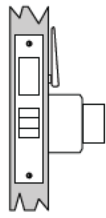
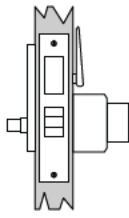
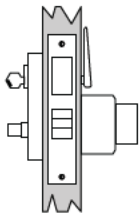
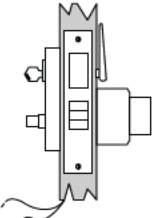
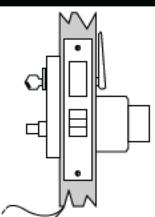
Optional High Security Control Trim
Use in areas prone to heavy abuse





7000 SERIES

7000 Series Multiple-Bolt Locksets Popular Models

MODEL	DESCRIPTION	FUNCTION	OPENINGS
74T11-IHD-HVL	 <p>4-Point Locking Interior Toughbar Exterior No Trim Heavy Duty Concealed Rods Horizontal Bottom Bolt Module</p>	EXIT ONLY - NO EXTERIOR TRIM	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
74T41-IHD-HVL	 <p>4-Point Locking Interior Toughbar Exterior Passage Lever Trim Heavy Duty Concealed Rods Horizontal Bottom Bolt Module</p>	PASSAGE WITH EXTERIOR LEVER TRIM	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
74T45-IHD-HVL	 <p>4-Point Locking Interior Toughbar Exterior Classroom Lever Trim (Key retracts/projects deadbolts with one turn) Heavy Duty Concealed Rods Horizontal Bottom Bolt Module</p>	CLASSROOM FUNCTION	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
74T46-IHD-HVL (change '46' to 44' for mechanical Storeroom function)	 <p>4-Point Locking Interior Toughbar Exterior Storeroom Lever Trim (24vDC Electric Release) Heavy Duty Concealed Rods Horizontal Bottom Bolt Module</p>	STOREROOM FUNCTION W/ 24vDC ELECTRIC RELEASE *Key required to relock	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
74T4C-IHD-HVL	 <p>4-Point Locking Interior Toughbar Exterior Classroom Lever Trim (24vDC Electric Release) Heavy Duty Concealed Rods Horizontal Bottom Bolt Module</p>	CLASSROOM FUNCTION W/ 24vDC ELECTRIC RELEASE *Key required to relock	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION

SPECIAL MODEL BUILDING

* Lower Vertical Deadbolt option available on single and double doors.
A variety of models are available, including Concealed Vertical Rod and Surface Vertical Rod models.
Pull trim and cylinder only options are also available.
Contact factory for door manufacturers and further information.
Consult door manufacturers for FEMA test results and applications.

5000 SERIES

Multiple-Bolt Lock & Lever For Windstorm Protection On High Traffic Doors



5000 APPLICATIONS
include but not limited to:

High Security Facilities &
Low Occupancy Community
Windstorm Shelters for Schools,
Hospitals, Retail Stores, Office
Buildings, Apartment Buildings
& Residential Safe Rooms



Lever with Turnpiece



Heavy Duty Lever
*Stainless Steel Cast
Construction*

One Motion Exiting
Retracts All Bolts

Exterior Lever Trim



Mechanical Trim

Vandal Resistant
Built In Slip-Clutch

Heavy Duty Levers
*Stainless Steel Cast
Construction*

Window Shutter Option



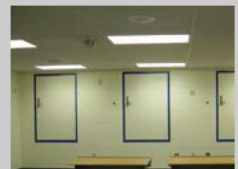
Progress in tornado protection allowed designers to create shelter areas for multi-purpose use, such as corridors, gymnasiums, storerooms, etc.

To protect window openings during the event of a tornado many manufacturers offer

door/frame assembly, which serves as a window on the outside and a protective shutter on the inside.

Securitech multi-point deadlocking system is an ideal choice to keep shutter door secured and protect building envelope from breaching by extremely high pressure loads as well as flying debris.

Depending on the design, concealed manual (5000 Series) or automatic (8000 Series) 3-point bolts can be used. Hinge side stationary bolt is also recommended as it helps to stabilize the assembly.



OUTSTANDING FEATURES:

Meets FEMA 361, 320 & NSSA ICC 500-2008

Traditional Size Heavy Duty Mortise Lock - No Plastic Moving Parts

Available on single doors up to 4'X9' or double doors up to 8' x 9'

5" long, 5/8" diameter stainless steel vertical deadbolts with 1" projection

One action locks or unlocks all the deadbolts simultaneously

Meets all UL 10-C Fire-Code, Positive Pressure and ADA requirements for single motion exiting

Lock body fits into standard ANSI mortise lock preparation

Wide variety of standard and custom functions to meet specific locking requirements. Consult factory if not listed.

Exterior lever contains vandal-resistant slip clutch

Consult Factory for proper mortise cylinder sizes and cams required for new and existing key systems. (Standard or High Security)

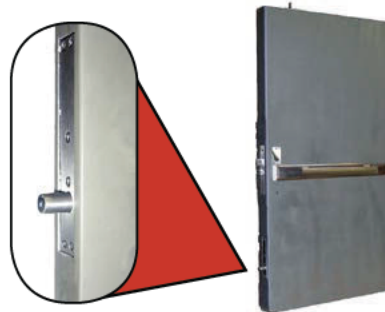
Models available for window shutters.

HOW DOES IT WORK?

Interior turnpiece manually projects all of the deadbolts. Interior lever retracts all of the bolts simultaneously for one-motion exiting.

INNOVATIVE FEATURES:

HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.



Lever Finishes & Styles

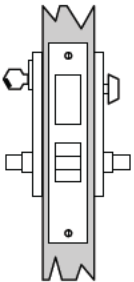
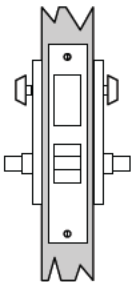
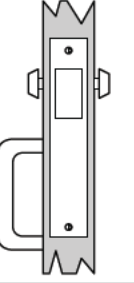
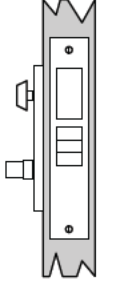
- 630 - Satin Stainless Steel
- 605 - Bright Brass
- 606 - Satin Brass
- 612 - Satin Bronze
- 613 - Oil Rubbed Bronze
- 625 - Bright Chrome
- 626 - Satin Chrome





5000 SERIES

5000 Series Multiple-Bolt Locksets Popular Models

MODEL	DESCRIPTION	FUNCTION	OPENINGS
5411-F13-IHD*			
	4-Point Locking Int. & Ext. Lever GG Style Trim w/ Standard Return Entrance Function Exterior Cylinder Interior Turnpiece Internal Heavy Duty Concealed Rods Horizontal Lower Deadbolt	F13 ENTRANCE Latch bolt by lever either side Deadbolts by key outside & turnpiece inside When deadbolts are projected, latch bolt is deadlocked & outside lever is locked Inside lever retracts latch & deadbolts simultaneously	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
5411-F01M2-IHD*			
	4-Point Locking Interior & Exterior Lever GG Style Trim w/ Standard Return Modified Passage Interior & Exterior Turnpiece Internal Heavy Duty Concealed Rods Horizontal Lower Deadbolt	F01M2 MODIFIED PASSAGE Latch bolt by lever either side Deadbolts by turnpiece either side When deadbolts are projected, latch bolt is deadlocked & outside lever is locked Inside lever retracts latch & deadbolts simultaneously	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
5476-F17M-IHD*			
	4-Point Locking Interior Push Plate Exterior Pull Handle Modified Deadbolt for Bathrooms Internal Heavy Duty Concealed Rods Horizontal Lower Deadbolt	F17M MODIFIED DEADBOLT (BATHROOM) Deadbolts project/retracted by turnpiece either side	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
54XX-F17L-IHD*			
	4-Point Locking Interior Push Plate Exterior Lever Modified Deadbolt for Window Shutters Internal Heavy Duty Concealed Rods Horizontal Lower Deadbolt	F17L MODIFIED DEADBOLT (WINDOW SHUTTERS) Deadbolts project/retracted by turnpiece Deadbolts/Latch retracted by lever	WINDOW SHUTTER

SPECIAL MODEL BUILDING

*Lower Horizontal Deadbolt (HVL) option available on single doors. Contact factory for door manufacturers and further information. Consult door manufacturers for FEMA test results and applications.

8000 SERIES

Automatic Multiple-Bolt Lock For Windstorm Protection



8000 APPLICATIONS include but not limited to:

High Security Facilities & Community Windstorm Shelters for Schools, Hospitals, Retail Stores



8000 Series strikes fits standard ANSI Prep

OUTSTANDING FEATURES:

Meets FEMA 361, 320* & NSSA ICC 500-2008 (*lever models only)

Trigger automatically projects all bolts simultaneously upon door closing

Traditional Size Heavy Duty Mortise Lock - No Plastic Moving Parts

Available on single doors up to 4'X9' or double doors up to 8' x 9'

5" long, 5/8" diameter stainless steel vertical deadbolts with 1" projection

One action locks or unlocks all the deadbolts simultaneously

Meets all UL Fire-Code, Positive Pressure and ADA requirements for single motion exiting

Lock body fits into standard ANSI mortise lock preparation

Wide variety of standard and custom functions to meet specific locking requirements. Consult factory if not listed.

Exterior lever contains vandal-resistant slip clutch

24vDC Electrically Released Control Trim Available (250mA)

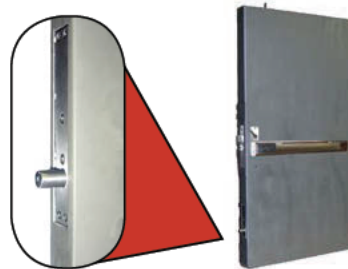
Consult Factory for proper mortise cylinder sizes and cams required for new and existing key systems. (Standard or High Security)

HOW DOES IT WORK?

Trigger automatically projects all of the deadbolts. Interior touchbar or lever retracts all of the deadbolts simultaneously for one-motion exiting.

INNOVATIVE FEATURES:

HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.



Lever Finishes & Styles

- 630 - Satin Stainless Steel
- 605 - Bright Brass
- 606 - Satin Brass
- 612 - Satin Bronze
- 613 - Oil Rubbed Bronze
- 625 - Bright Chrome
- 626 - Satin Chrome



INTERIOR OPTIONS

Securitech's TOUGHBAR™



Stainless Steel Device - Heavy gauge touchbar

Integrated, Retractable Ends - No protrusions when device is used

Full-Length Actuator Bar - Rugged anti-vandalism design

Request-To-Exit - Designed for switch activation for request-to exit applications

One Motion Exiting - Retracts All Bolts

*Order Toughbar to length

**Stainless Steel Cross-Bar Available

Interior Lever



Heavy Duty Lever
Stainless Steel Cast Construction

One Motion Exiting
Retracts All Bolts

EXTERIOR OPTIONS

Exterior Lever Trim



Mechanical Trim

Vandal Resistant
Built In Slip-Clutch

Heavy Duty Levers
Stainless Steel Cast Construction

Electrified Trim



Control Trim
24vDC Electric Release (250mA)

Vandal Resistant
Built In Slip-Clutch

Heavy Duty Levers
Stainless Steel Cast Construction

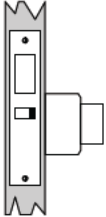
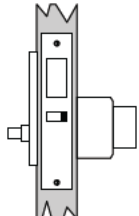
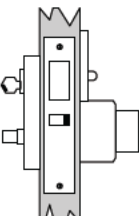
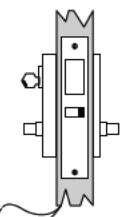
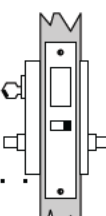
Optional High Security Control Trim
Use in areas prone to heavy abuse





8000 SERIES

Automatic Multiple-Bolt Locksets Popular Models

MODEL	DESCRIPTION	FUNCTION	OPENINGS
83T11-SBD	 <p>3-Point Locking Interior Toughbar Exterior No Trim Heavy Duty Surface Bolts</p>	EXIT ONLY - NO EXTERIOR TRIM	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
84T41-G1-SBD-VC	 <p>4-Point Locking Interior Toughbar Exterior Passage Lever Trim GG Style Trim w/ Standard Return Heavy Duty Surface Bolts Vertical Control</p>	PASSAGE FUNCTION	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
8VT45-G1-SHD-VC	 <p>2-Point Locking Vertical Interior Toughbar Exterior Classroom Lever Trim GG Style Trim w/ Standard Return Heavy Duty Surface Housing Vertical Control</p>	CLASSROOM FUNCTION	SINGLE DOOR DOUBLE DOOR WITHOUT FRAME MULLION
83L46-G1-IHD-HVL (Change '46' to '44' for mechanical storeroom function)	 <p>3-Point Locking Interior Lever Exterior Storeroom Lever Trim (24vDC Electric Release) Heavy Duty Concealed Rods Vertical Control</p>	STOREROOM FUNCTION W/ 24vDC ELECTRIC RELEASE	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION
84L45-G1-SBD-VC	 <p>4-Point Locking Interior Lever Exterior Classroom Lever Trim GG Style Trim w/ Standard Return Heavy Duty Surface Bolts Vertical Control</p>	CLASSROOM FUNCTION	SINGLE DOOR DOUBLE DOOR WITH FRAME MULLION

SPECIAL MODEL BUILDING

A variety of models are available, including Concealed Vertical Rod and Surface Vertical Rod models. Contact factory for door manufacturers and further information. Consult door manufacturers for FEMA test results and applications.



4300 SERIES

Multi-Point Deadbolt Lock



4300 APPLICATIONS
include but not limited to:

- Small Occupancy Storm Shelters
- Residential Safe Rooms
- Apartment Buildings
- Panic Areas
- Security Areas

*Cylindrical Lock By Others
**3-Point Deadbolt By Securitech

MODEL

4340-SS320-105

- 4-Point Locking
- Interior Turnpiece
- Exterior Cylinder w/ Guardplate
- Storm Shelter FEMA 320
- Lower Horizontal Deadbolt

FUNCTION

WORKS WITH EXISTING CYLINDRICAL LOCKS

OPENINGS

SINGLE DOOR

OUTSTANDING FEATURES:

Meets FEMA 320 for small occupancy shelters

5" long, 5/8" diameter stainless steel vertical deadbolts with 1" projection

One action locks or unlocks all the deadbolts simultaneously

Meets all UL Fire-Code, Positive Pressure and ADA requirements for single motion exiting

Interior trim designed to accommodate cylindrical lockset (by others)

Designed for doors with mortise lock edge preparation & frames with ANSI 4 7/8" strike preparation.

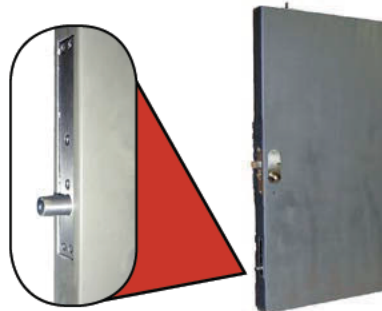
Circular guard plate with hardened steel layer

HOW DOES IT WORK?

The interior turnpiece manually projects the deadbolts. The interior turnpiece or exterior key retract the deadbolts simultaneously.

INNOVATIVE FEATURES:

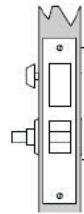
HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.



A variety of models are available, Consult factory for further information.

Consult door manufacturers for FEMA test results and applications.

Product Operation & Features



Special Window Shutter Function 3 or 4 Point Deadbolt Locking

Free Exiting At All Times From Interior

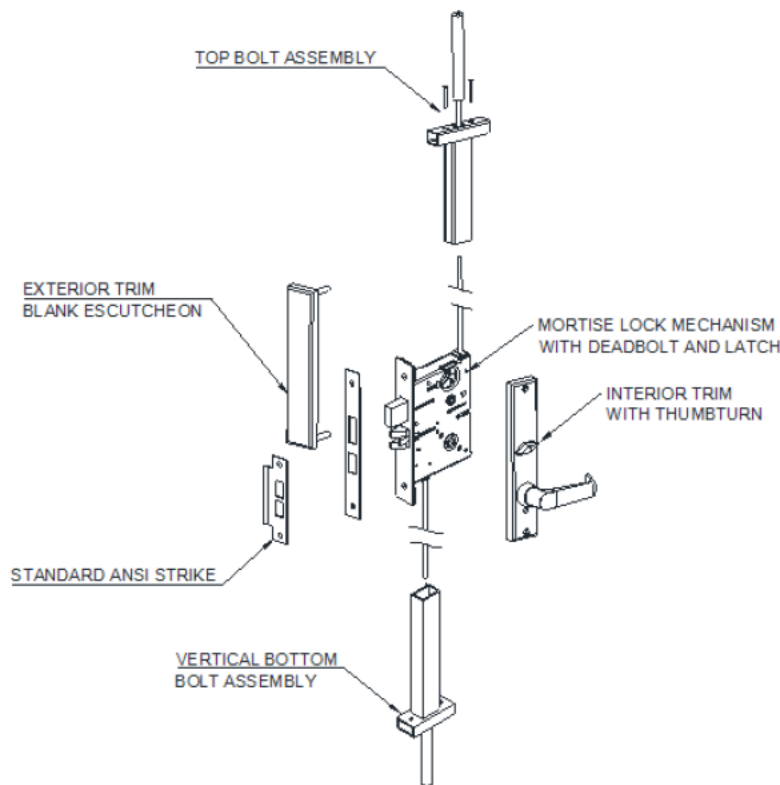


5311- or 5411BE-F13-IHD-630

54	4-Point Mortise Lockset, Main, Upper and Lower Bolts, and Stationary Bolt in Hinge Side (53 Models - 3-Point, Less Hinge Side Bolt)
11BE	Standard Lever Trim Inside (Tapered w/Return), Blank Escutcheon Outside
F13	Entrance Function: Latch by Lever from inside. Bolts Projected by Turn Inside. When Deadbolts Projected Latchbolt is Deadlocked. Turn of Inside Lever Retracts Latch and All Deadbolts Simultaneously
IHD	Heavy Duty Stainless Steel Reinforcements Concealed in Door
630	Satin stainless steel finish

- Free exiting at all times
- Single-motion retracts all deadbolts
- Bolts projected by thumb-turn inside

Main Components



HANDING:

Always determined by looking at which side the hinges are on while looking at the door from the exterior (LHR Or RHR) or interior (LH Or RH).

Optional Components

Hinge Side Stationary Bolt

5400 Models



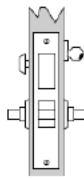
DESCRIPTION:

Installed in hinge edge of door this stationary bolt creates 4th point of deadbolting and provides additional strength and security to the opening. When door swings closed stationary bolt engages into hinge jamb through field-drilled hole.

Optional Lever Designs

Special lever designs are available on special order. Standard lever style is #11 (see cover).





Locking Solutions Application & Model Breakdown #53/5411-F13-IHD-HVL-630

Product Operation & Features

Special Entrance Shelter Function 3 or 4 Point Deadbolt Locking
Free Exiting At All Times From Interior



5311- or 5411-F13-IHD-HVL-630

54	4-Point Mortise Lockset, Main, Upper and Lower Bolts, and Stationary Bolt in Hinge Side (53 Models - 3-Point, Less Hinge Side Bolt)
11	Standard Lever Trim Design (Tapered with Return)
F13	Entrance Function: Latch by Lever Either Side. Bolts Projected by Turn Inside and Key Outside. When Deadbolts Projected Latchbolt is Deadlocked and Outside Lever is Locked. Turn of Inside Lever Retracts Latch and All Deadbolts Simultaneously, Automatically Unlocking Outside Lever.
IHD	Heavy Duty Stainless Steel Reinforcements Concealed in Door
HVL	Horizontal Lower Bolt Module
630	Satin stainless steel finish

- Vandal-resistant slip-clutch breakaway lever
- Free exiting at all times
- Single-motion retracts all deadbolts
- Bolts projected by thumb-turn inside

CYLINDER:
Standard Mortise Cylinder By Others

CAM INFORMATION
"Wing-type" cloverleaf cam is required for proper operation.

Main Components

HANDING:

Always determined by looking at which side the hinges are on while looking at the door from the exterior (LHR Or RHR) or interior (LH Or RH).

Optional Components

Hinge Side Stationary Bolt

5400 Models

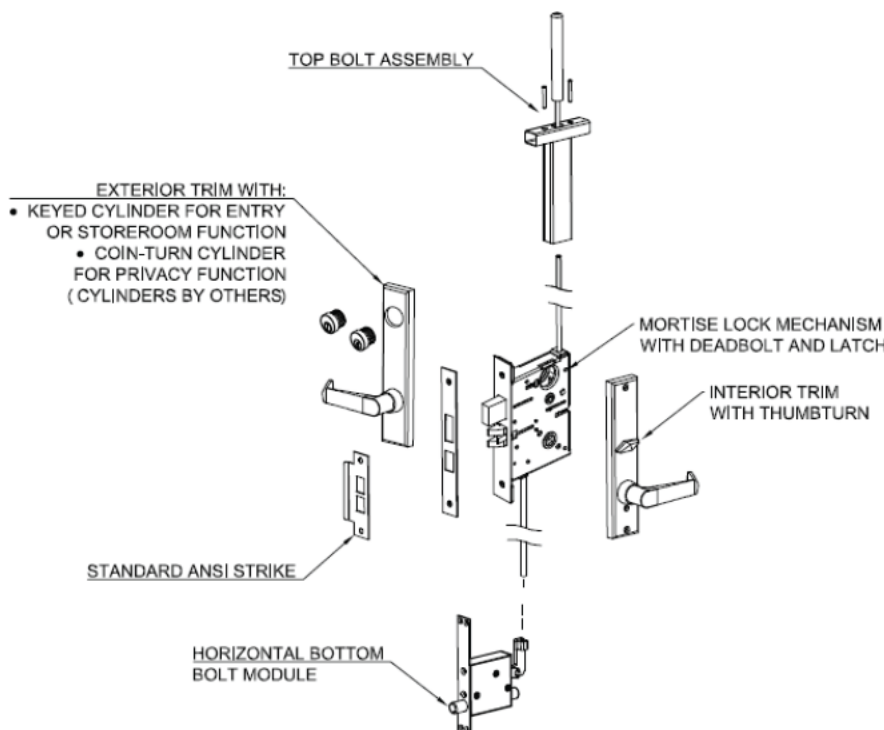
DESCRIPTION:

Installed in hinge edge of door this stationary bolt creates 4th point of deadbolting and provides additional strength and security to the opening. When door swings closed stationary bolt engages into hinge jamb through field-drilled hole.



Optional Lever Designs

Special lever designs are available on special order. Standard lever style is #11 (see cover).



**Locking Solutions Application &
Model Breakdown #74T46-GK1-CVR-HVL-630**

Mortise Exit Device with Multi-Point Deadbolt Locking

Product Operation & Features



- Free exiting at all times
- Single-motion retracts deadbolts
- Vandal-resistant slip-clutch breakaway lever
- Patented cylinder holding method grips cylinder at two points

Access Control Features:

Electric Release

Exterior Lever



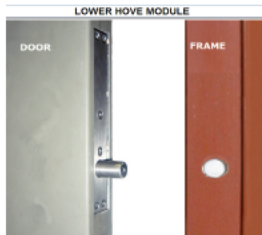
- 24vDC
- Lever released momentarily when energized
- Fail-Secure exterior

74T46-GK1-IHD-HVL-630	
74T	3- Point Multi-Point Mortise Exit Device with Stationary Hinge Side Bolt Touchbar Interior Operator.
46	Electric Release Exterior Trim (Fail-Secure, 24VDC), Classroom Lever Function
GK1	GG Architectural trim, standard design - tapered with return
IHD	Internal Vertical Bolts - Heavy Duty for Windstorm, Steel Channel Reinforcements
HVL	Horizontal Bottom Bolt - For Single Doors
630	Stainless Steel Finish



Top Vertical Deadbolt

Top Vertical & Horizontal Bottom deadbolts are made out of spun, 5/8" dia. stainless steel, and have 1" projection.



Horizontal Bottom Bolt - For Single Doors

HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.



Hinge Side Stationery Bolt

DESCRIPTION:

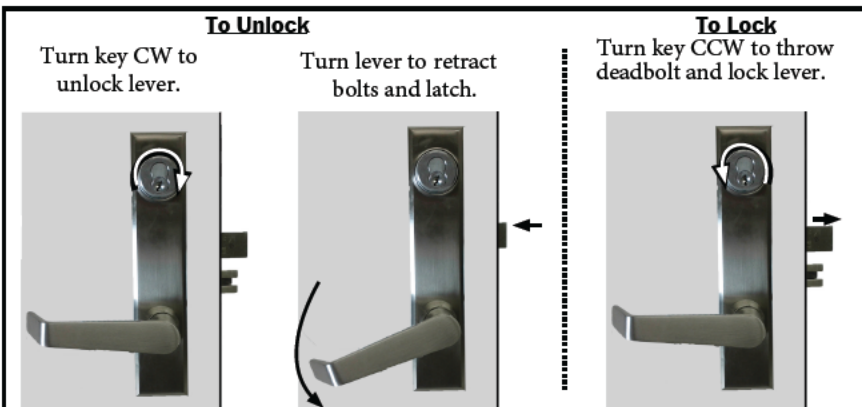
Installed in hinge edge of door this stationary bolt creates 4th point of deadbolting and provides additional strength and security to the opening. When door swings closed stationary bolt engages into hinge jamb through field-drilled hole.

Panic Bar Interior

- Stainless steel construction
- Collapsible Ends for Durability
- Thru-bolted and connected to Lock

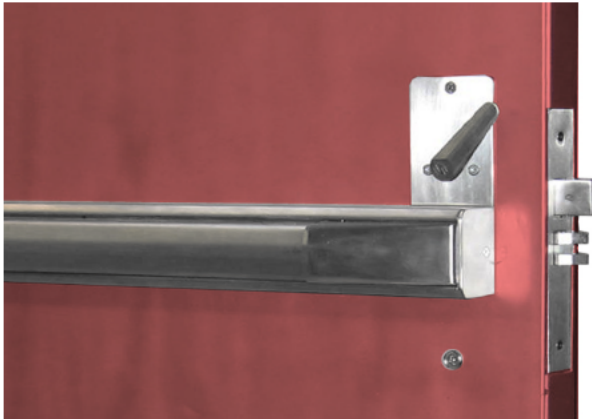


CYLINDER:
Standard Mortise Cylinder By Others



Product Operation & Features

Mortise Exit Device with Multi-Point Deadbolt Locking



74TS1-F13-CVR-HVL-630 ENTRY FUNCTION

74TS1	3- Point Multi-Point Mortise Exit Device with Stationary Hinge Side Bolt with Mechanical Lever Trim Outside & Touchbar Interior Operator.
F13	Entry Function Exterior Trim
CVR	Internal Vertical Bolts
HVL	Horizontal Bottom Bolt - For Single Doors
630	Stainless Steel Finish

- Standard Mortise Exite Device during normal operation - when needed single motion deploys high security multi-point deadbolt system
- Free exiting at all times
- Turning thumbpiece inside projects all deadbolts simultaneously
- Single-motion retracts deadbolts

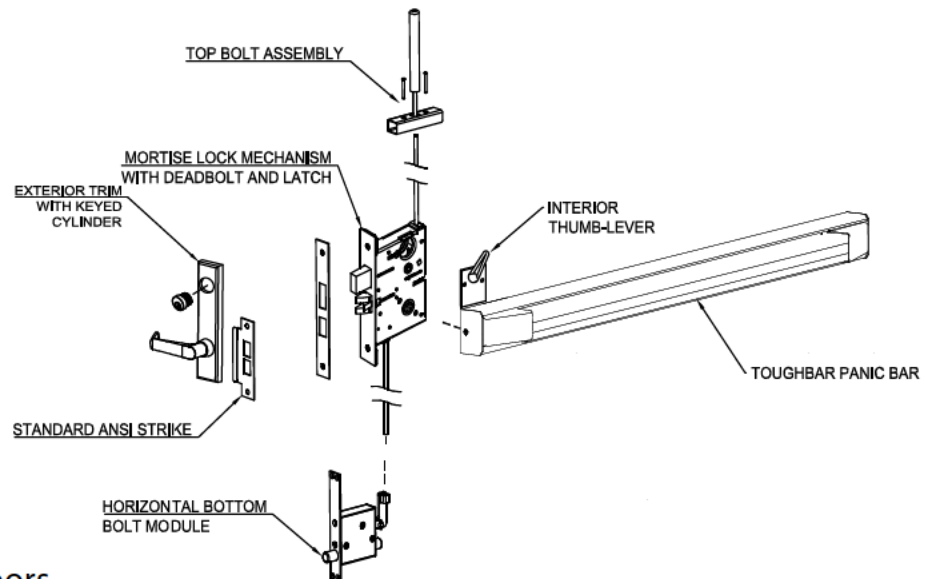
Locking, Entry & Exiting Elements

Deadbolting At 4 Points	Panic Bar Interior	S1 Exterior
<ul style="list-style-type: none"> • Deadbolts the door to the frame at 4 Points: Top, Main, Hinge-side, & Lower Horiz. 	<ul style="list-style-type: none"> • Stainless steel construction Collapsible ends for durability • Thru-bolted & connected to lock 	<ul style="list-style-type: none"> • Thru-bolted, Stainless steel lever • Satin stainless steel finish 

Hinge Side Stationary Bolt



DESCRIPTION:
Installed in hinge edge of door this stationary bolt creates 4th point of deadbolting and provides additional strength and security to the opening. When door swings closed stationary bolt engages into hinge jamb through field-drilled hole.



Horizontal Bottom Bolt - For Single Doors

HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.



HANDING:

Always determined by looking at which side the hinges are on while looking at the door from the exterior. (LHR Or RHR).

Product Operation & Features



Three-Point Autobolt Exit Device System

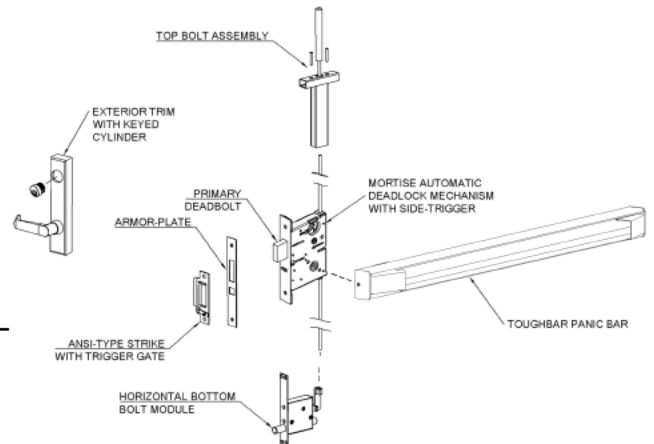
83_84T45-G1-IHD-HVL-630

83	Three-Point Automatic Deadbolt Exit Device (Top/Bottom Bolts)
T	Touchbar Panic Bar on Interior.
45	Lever Trim - Classroom Function
G1	GG Style Trim, Standard Lever Design Option #1 (see this sht. for options)
IHD	Concealed Rods and Bolts - Heavy Duty Reinforcement
HVL	Horizontal Bottom Bolt - For Single Doors
(VC)	Vertical Control - engage/disengage vertical bolts from operation
(F)	Fire Rated up to 3 hrs (UL10C)
630	Stainless steel finish

- Vandal-resistant slip-clutch breakaway lever
- Free exiting at all times
- Single-motion retracts deadbolts

HVL bolt models - Lower deadbolt projects horizontally into the frame, not the floor. This prevents the deadbolt from jamming due to dirt and debris at the floor strike. One person can install maintain and service lock without taking the door down.

Lever Design



Locking, Entry & Exiting Elements

Deadbolting At 4 Points

- Deadbolts the door to the frame at 4 Points: Upper Horiz., Main, Lower Horiz., & Fixed Hinge-Side Bolt.

G1 Exterior

- 4 Thru-bolts
- Stainless steel lever
- Satin stainless steel finish

Panic Bar Interior

- Stainless steel construction
- Collapsible ends for durability

HANDING:

Always determined by looking at which side the hinges are on while looking at the door from the exterior. (LHR Or RHR).

CYLINDER:

Standard Mortise Cylinder By Others

Access Control & Alarm Options

Electric Release

- 24vDC
- Lever released momentarily while energized
- Fail-Secure exterior

Key Usage Signal

- Key use activates switch

Request-To-Exit

- Switch within panic bar
- Activated upon depression
- Meets all "No special knowledge" life-safety codes



Trim with Classroom Function (ANSI F05) Adams-Rite -Type Short Straight Cam.

Product Operation & Features



INTERIOR SIDE

EXTERIOR SIDE



HVL bolt models - Lower deadbolt projects horizontally into the frame, not the door. This prevents the deadbolt from jamming due to dirt and debris at the door strike. One person can install maintain and service lock without taking the door down.

Bottom Bolt



Primary Bolt



Top Bolt

- Vandal-resistant slip-clutch breakaway lever
- Free exiting at all times
- Single-motion retracts deadbolts
- Exterior lever unlocked by key

83/84T46-G1-IHD-HVL(F)-630

83/84	Three or Four-Point Automatic Deadbolt Exit Device (Stationery Hinge Side Bolt for 84 models)
T	Touchbar Panic Bar on Interior.
46	Lever Trim - Electric Release Storeroom Function, Fail-Secure 24 VDC
G1	GG Style Trim, Standard Lever Design Option #1 (Tapered with return)
IHD	Concealed Rods and Bolts, Stainless Steel Reinforcements for Bolts
HVL	Horizontal Bottom Bolt
F	If Applies - Fire Rated up to 3 hrs
630	Stainless steel finish

Locking, Entry & Exiting Elements

Deadbolting At 4 Points

- Deadbolts the door to the frame at 3 or 4 Points: Upper Vert, Main, Lower Horiz, & Fixed Hinge-Side Bolt (84-models)

G1 Exterior

- 4 Thru-bolts
- Stainless steel lever
- Satin stainless steel finish



Panic Bar Interior

- Stainless steel construction
- Collapsible ends for durability



HANDING:

Always determined by looking at which side the hinges are on while looking at the door from the exterior. (LHR Or RHR).

CYLINDER:

Standard Mortise Cylinder By Others



Trim with Re-Entry Function Cloverleaf Cam

Access Control & Alarm Options

KU - Key Usage Signal

Exterior Lever



- Key use activates switch

CX - Request-To-Exit

Interior Panic Bar



- Switch within panic bar
- Activated upon depression
- Meets all "No special knowledge" life-safety codes

Hinge Side Stationary Bolt



DESCRIPTION:

Installed in hinge edge of door this stationary bolt creates 4th point of deadbolting and provides additional strength and security to the opening.