



Product Specifications

Overview

The TruForce Forcible Entry Training System is an extremely realistic training prop that is designed to teach firefighters the procedures, techniques and skills that are needed to properly and efficiently perform conventional and hydraulic forcible entry operations on both inward and outward-opening doors. It can be purchased as a **free-standing portable unit** that can be disassembled and easily transported to various locations, or as a **self-installed unit** that can be installed on an existing door in a fire station, training structure or live fire training structure (burn building).

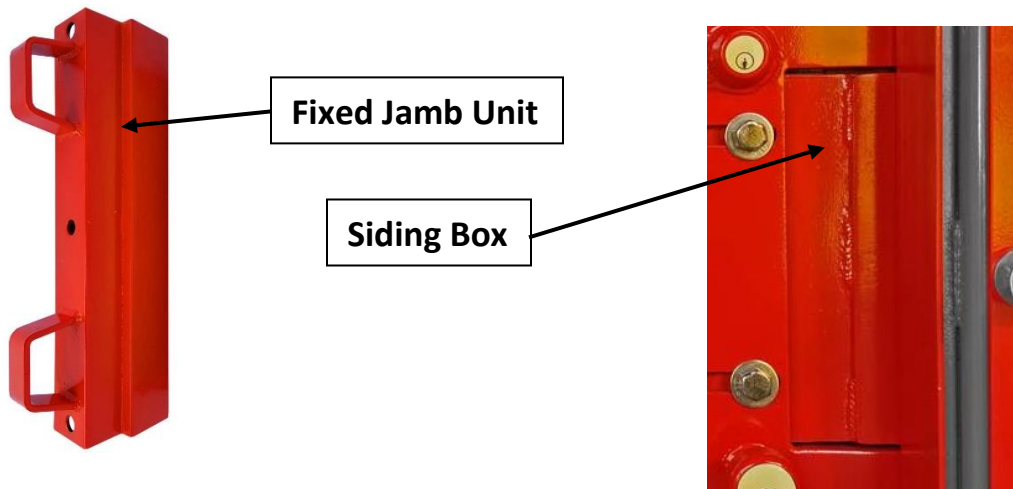
Free-Standing Unit Construction

1. Baseplate – ¼" steel diamond plate
2. Frame – 3" x 5" steel box tubing
3. Support arms – 1/8" x 1 ½" steel angle iron
4. Hinges – Cast iron strap type
5. Door – Custom built 1 ¾" thick slab, 14 gauge steel skin, wood reinforced, can be left or right hand swing per customer specifications
6. TruForce Unit
 - a. Door unit - ¼" steel
 - b. Springs – Diamond MH 150-350 die spring, rated at 528 lbs-in (3 each)
 - c. Fixed jamb unit – ¼" steel
 - d. Adjustable door support frame – 10 gauge steel
 - e. Jamb unit backing plate – ¼" steel
7. Expendable locking devices
 - a. ½" x 2" x 11" wood slat
 - b. 1" x 2" x 11" standard wood furring strip
 - c. 1" x 3" x 11" standard wood furring strip
 - d. 2" x 2" x 11" standard wood furring strip



Self-installed Unit Construction

1. TruForce Unit
 - a. Door unit - ¼" steel
 - b. Springs – Diamond MH 150-350 die spring, rated at 528 lbs-in (3 each)
 - c. Fixed jamb unit – ¼" steel
 - d. Adjustable door support frame – 10 guage steel
 - e. Jamb unit backing plate – ¼" steel
2. Expendable locking devices
 - a. ½" x 2" x 11" wood slat
 - b. 1" x 2" x 11" standard wood furring strip
 - c. 1" x 3" x 11" standard wood furring strip
 - d. 2" x 2" x 11" standard wood furring Strip
3. Installs on existing left or right hand opening 1 3/4" commercial grade steel door or solid wood door



* Note – The fixed jamb unit and the sliding box on the TruForce unit are designed to receive wear and tear and are replaceable

Operation

1. Unit can be transport and/or assembled at desired location
2. Cut furing strips to 11" sections to be used as expendable locks
3. Insert furring strips into U slots
 - a. Force Settings
 - i. Light Setting – use 1" x 2" furring strip on top and/or bottom slot
 - ii. Medium Setting - use 1" x 3" furring strips on top and/or bottom slots

- iii. Heavy Setting – use 2” x 2” furring strips on top and/or bottom slots
 - iv. Baseball Bat Attachment Setting - use ½” x 2” slats
4. Wood wedges are used as needed behind the furring strips to snug up the door against the jamb

*Note: The furring strip sizes can be mixed and matched to provide different force levels. Can also utilize ½” rebar in conjunction with light or medium setting

*Note: The TruForce Forcible Entry System is designed to be utilized with the “Pro Bar” type Halligan Bar (or any Halligan Bar of similar design). Use of the Paratech bar or any other type of bar with a fork that is thicker than the forks found on the Pro Bar may result in damage to the TruForce and will void the warranty

5. Adjustable jamb gap

- a. The gap between the spring loaded door edge and door jamb can be adjusted to vary the degree of difficulty in setting the fork of the Halligan Bar
 - i. Locate the two adjustment nuts inside the holes on the front or rear of the TruForce unit
 - ii. Use the 9/16” ratchet box wrench provided
 - iii. Place the ratchet end of the wrench into one of the holes and over the nut
 - iv. Turn the nut clockwise to widen the gap, and counter clockwise to narrow the gap
 - v. Alternate between the top and bottom nut until the desired gap is obtained
 - vi. Ensure the spring loaded door edge is parallel to the jamb edge upon completion of the adjustment

6. Using the “Baseball Bat (wood Jamb) attachment

- a. Place the two pieces of ¾” plywood into the unit and tighten down the bolts
- b. Remove the three outside nuts and washers from the jamb unit mounting bolts
- c. Thread the holes in the Baseball Bat attachment onto the jamb unit bolts
- d. Place a washer and nut back on to each bolt and tighten
- e. Use the ½” x 2” wood slats for this evolution

7. Using the “Angle Iron” attachment

- a. Close the door
- b. Place the angle iron tight against the door and jam
- c. Place the ¼” bolts through the holes in the angle iron and through the door holes
- d. Place the wing nuts on the bolts and tighten

8. Using the “Hydra Ram” or “Rabbit Tool”
 - a. The TruForce System is also designed to utilize a Hydra Ram or Rabbit Tool hydraulic forcible entry device
 - i. Load door to “heavy” setting
 - ii. Place jaws of tool between the door unit and jamb unit
 - iii. Pump unit until jaws are spread and door is forced

Optional Attachments

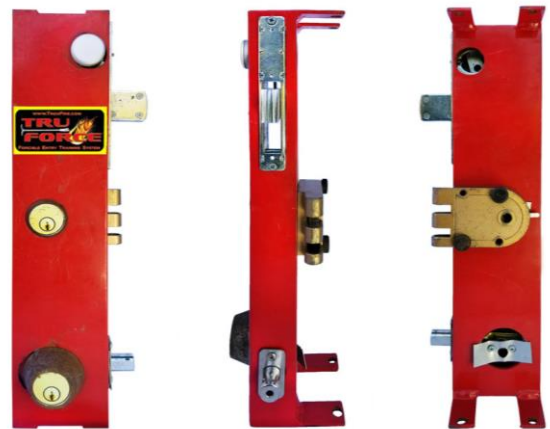
1. Drop Bar

- a. Used to simulate conditions found on doors located in the rear of a commercial building
- b. Includes drop bar, cradles and carriage bolts
- c. Carriage bolts can be cut or driven through replaceable door panels
- d. Includes replacement carriage bolts and door panels



2. Through-the-Lock

- a. Designed to be utilized with the TruForce Self-installed or Free-Standing unit
- b. Allows members to practice realistic through-the-lock forcible entry skills
- c. Designed to utilize K-tool, Rex Tool and other through-the-lock tools
- d. Includes re-useable:
 - i. Adams-Rite Storefront style lock
 - ii. Tubular Residential lock
 - iii. Residential rim style lock



3. Saw/Cutting Tree

- a. Designed to be utilized with the TruForce Free-Standing Unit
- b. Utilizes ½” re-bar or other steel rods
- c. Allows for practicing saw forcible entry cutting techniques in many different positions and levels

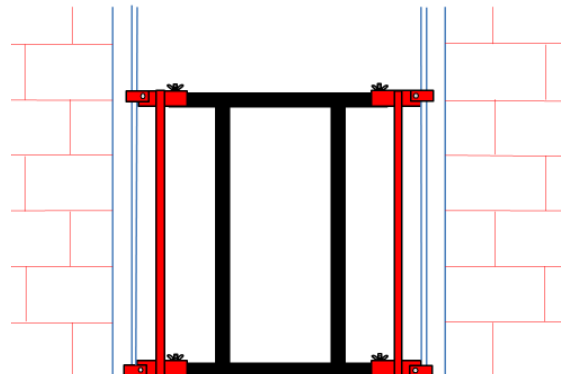


4. The Door Crush/Skin Prop (picture not currently available)

- a. Utilized with the Truforce Free-Standing Unit
- b. Used to teach firefighters the proper procedures for forcing outward-opening commercial steel doors
- c. Utilizes actual sections of commercial steel door slabs from 28 to 36 inches in width (provided by the user) that slide into the heavy-duty steel frame
- d. Allows the user to gain realistic experience in crushing the door edge and overcoming the problems that arise when the door seam splits or “skins” during the forcible entry process.
- e. Constructed of heavy duty 2-inch box tubing, and, because this prop is attached to the Truforce, it is extremely strong and extremely stable during use.
- f. Holes can be drilled in the door slabs and carriage bolts inserted to simulate conditions found when encountering “drop bars” on commercial doors.
- g. These bolts can be cut with a forcible entry saw or driven through the door manually with techniques that utilize the pick of a Halligan and an axe

5. The RIT Wall

- a. The RIT Wall is training device that can be used to assist firefighters in learning the proper procedures and techniques need to successfully breach a wall and reduce their profile in order to escape through a wall when faced with a May Day situation.



- b. The unit can be used in conjunction with the TruForce Free-Standing Unit, and can also be set up in any doorway. The unit adjusts from a 30 inch to a 36 inch doorway, and can be set up in minutes without the use of any tools.
- c. The unit is constructed of steel and sturdy heavy-duty plastic 2 x 4 wall studs that are spaced 16 inches on center.
- d. Drywall sheets can be slid into tracks on both sides of the unit and can be quickly and easily replaced. Romex and other types of wiring can also be installed in the unit to create an even greater challenge to the firefighter



6. Re-usable Pad Locks

- a. Hardened steel padlocks with replaceable steel shackles
- b. Locks can be forced and/or cut numerous times
- c. Can be attached to the TruForce Free-Standing unit or any other prop
- d. Includes replacement shackles and mounting bracket
- e. Mounting bracket for ear ring type locks also available



Warranty

With the exception of the normal wear and tear on the replaceable Fixed Jamb Unit and Sliding Box Unit, all components of the TruForce System are guaranteed for a period of five years from the date of purchase with the following stipulations:

- Units must be operated in compliance with the included instructions and operating guidelines
- Only the Pro-Bar type Halligan tools are utilized in performing operations with this product

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