



# INSTALLATION INSTRUCTIONS INSWING DOOR / BLOCK WALL (OPEN CELL) APPLICATION

**Thank you for choosing Apollo's Shield™** is a secondary deterrent (in addition to door locks) for securing classroom doors and similar. PLEASE NOTE: Door style, configuration and placement, as well wall construction, can vary greatly by location so please read instructions in full before installing to ensure they apply to your situation. If they do not, please contact your Last Line of Defense™ representative.

**DISCLAIMER:** As with any locking system **Apollo's Shield™** is not a means to permanently repel intruders. **Apollo's Shield™** will function as an effective deterrent when (a) installed correctly according to Last Line of Defense™ specifications and (b) installed on single inswing or outswing fire rated doors utilizing ADA approved lever handle locks.

## PLEASE READ INSTRUCTIONS IN FULL BEFORE YOU BEGIN

### EACH APOLLOS SHIELD™ KIT INCLUDES

- Heavy Duty cable
- Eye bolt with washer and wall anchor
- **Apollo's Shield™** storage bag
- Heavy Duty D-ring with masonry screws

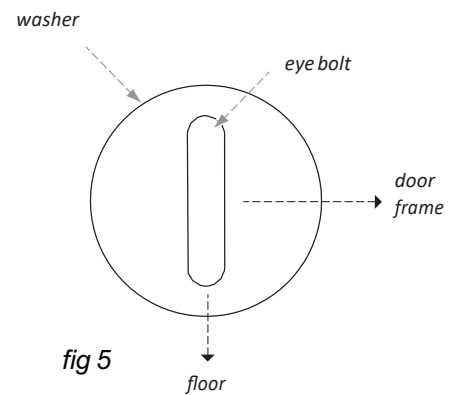
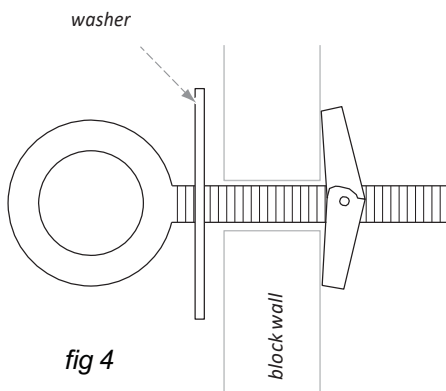
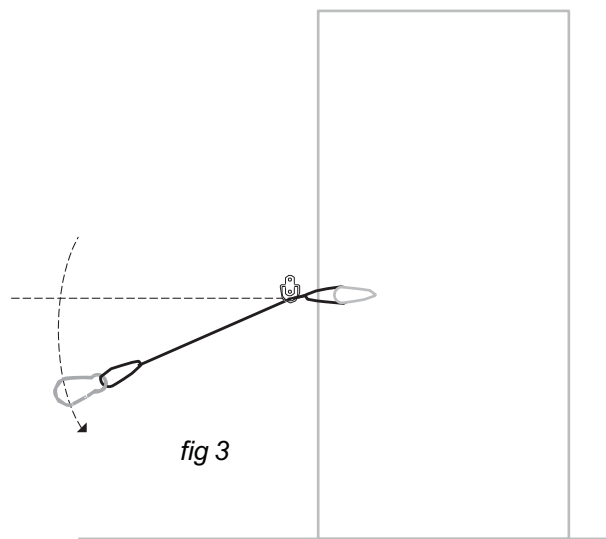
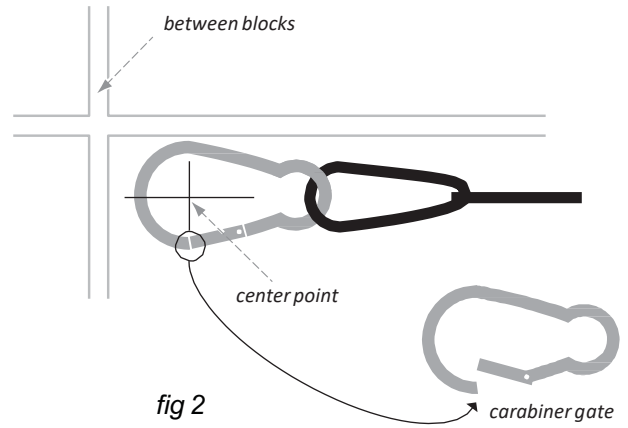
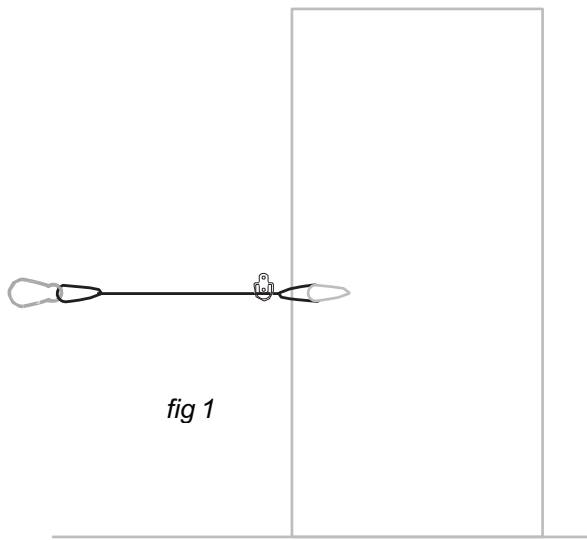
### TOOLS REQUIRED

- hammer drill
- tape measure
- 1" masonry bit (to install eyebolt)
- 3/16" masonry bit (to install D-Ring)
- black felt tip pen

### INSTALLING APOLLO'S SHIELD™ ON INSWING DOORS / BLOCK WALL (OPEN CELL)

1. On the handle side of the door frame, position the D-ring vertically parallel to the door handle on a block as close to the door frame as possible with centerline of opening aligned with door handle (*fig 1*). **Do not position in between blocks. D-Ring screws need to be mounted into a block.**
2. Mark the wall through D-ring bracket holes. With 3/16" masonry bit, drill holes where marked (**taking care not to create excessive tear-out on the inside of the block**) then mount D-ring with screws provided.
3. Slip loop end of PALS™ cable through D-ring and onto door handle lever (*fig 2*).
4. Clip carabiner with opening side down onto opposite end. Hold **Apollo's Shield™** cable parallel to the floor without any slack (*fig 3*).
5. While holding the carabiner against the wall, mark wall at center of the opening directly above where carabiner gate opens (*fig 4*) **UNLESS** the center of the carabiner opening is within 1" of an edge of a block or between blocks - **Eye bolt will not anchor properly if this is the case**. In this event, arc carabiner down (while keeping cable taut) until center opening of carabiner is no longer over block edges or between blocks (*fig 5*) and then mark wall. Note this step may also be necessary if there is an obstruction on the wall parallel to the door handle (for example, a thermostat box).
6. Drill a 1" hole centered on the mark on the wall **taking care not to create excessive tear-out on the inside of the block**.
7. Apply washer and butterfly onto eye bolt and insert in hole (*fig 6*). Tighten eye bolt until tight enough to only allow a small amount of play. Eye bolt orientation should be parallel to door frame and perpendicular to floor (*fig 7*).
8. Slip loop end of **Apollo's Shield™** cable through D-Ring and then onto handle lever. Then clip carabiner onto eye bolt. Turn door handle lever up and down to ensure loop end of **Apollo's Shield™** cable cannot be slipped off. If necessary, shift the eye bolt to ensure (a) loop end of **Apollo's Shield™** cannot be slipped off door handle lever and (b) carabiner can be easily unclipped from eyebolt.
9. Once fit and function test completed, tighten eye bolt to point it cannot be shifted. Eye bolt orientation should be parallel to door frame and perpendicular to floor (*fig 7*).

*see reverse side for illustrations*



[www.ApolloShield.com](http://www.ApolloShield.com)

PH: 757-472-9610

chuck@apollosshield.com



# INSTALLATION INSTRUCTIONS OUTSWING DOOR / BLOCK WALL (OPEN CELL) APPLICATION

**Thank you for choosing Apollo's Shield™** is a secondary deterrent (in addition to door locks) for securing classroom doors and similar. PLEASE NOTE: Door style, configuration and placement, as well wall construction, can vary greatly by location so please read instructions in full before installing to ensure they apply to your situation. If they do not, please contact your Last Line of Defense™ representative.

**DISCLAIMER:** As with any locking system **Apollo's Shield™** is not a means to permanently repel intruders. **Apollo's Shield™** will function as an effective deterrent when (a) installed correctly according to Last Line of Defense™ specifications and (b) installed on single inswing or outswing fire rated doors utilizing ADA approved lever handle locks.

## PLEASE READ INSTRUCTIONS IN FULL BEFORE YOU BEGIN

### EACH APOLLOS SHIELD™ KIT INCLUDES

- Heavy Duty cable
- Eye bolt with washer and wall anchor
- **Apollo's Shield™** storage bag

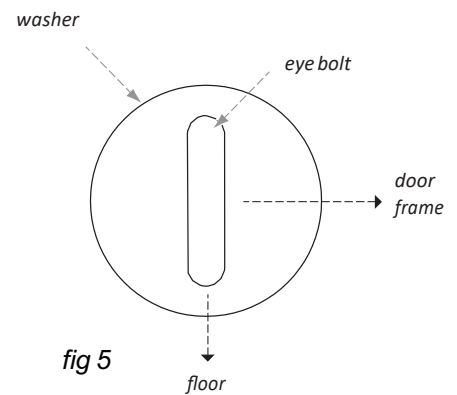
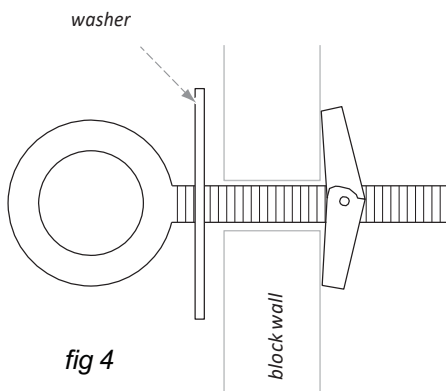
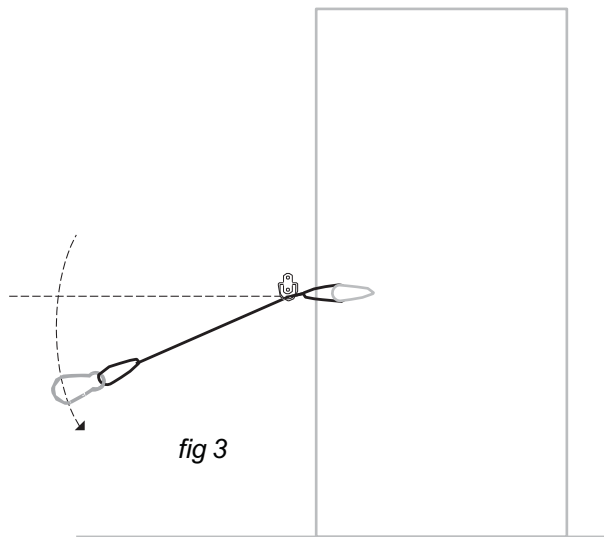
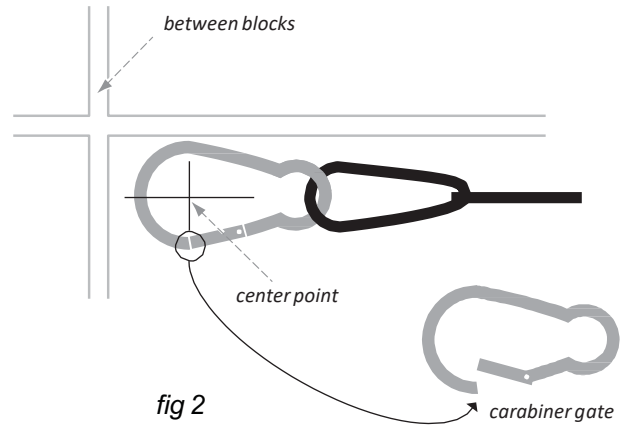
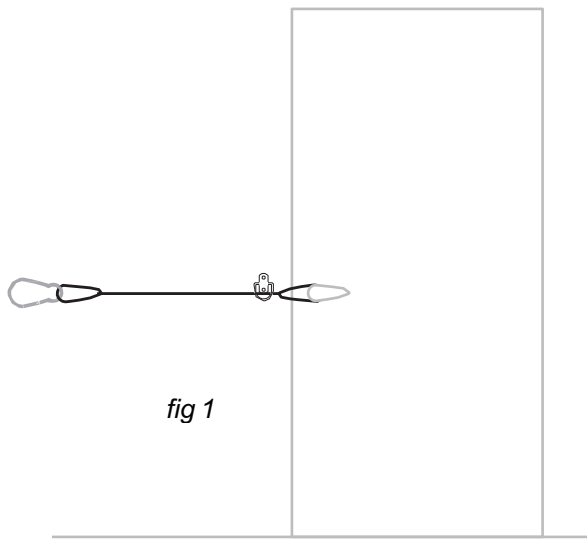
### TOOLS REQUIRED

- hammer drill
- tape measure
- 1" masonry bit (to install eyebolt)
- black felt tip pen

### INSTALLING APOLLO'S SHIELD™ ON OUTSWING DOORS / BLOCK WALL (OPEN CELL)

1. Slip loop end of **Apollo's Shield™** cable onto door handle lever. Clip carabiner with opening side down onto opposite end. Hold **Apollo's Shield™** cable parallel to the floor without any slack (*fig 1*).
2. While holding the carabiner against the wall, mark wall at center of the opening directly above where carabiner gate opens (*fig 2*) **UNLESS** the center of the carabiner opening is within 1" of an edge of a block or between blocks - **Eye bolt will not anchor properly if this is the case**. In this event, arc carabiner down (while keeping cable taut) until center opening of carabiner is no longer over block edges or between blocks (*fig 3*) and then mark wall. Note this step may also be necessary if there is an obstruction on the wall parallel to the door handle (for example, a thermostat box).
3. Drill a 1" hole centered on the mark on the wall **taking care not to create excessive tear-out on the inside of the block**.
4. Apply washer and butterfly onto eye bolt and insert in hole (*fig 4*). Tighten eye bolt until tight enough to only allow a small amount of play. Eye bolt orientation should be parallel to door frame and perpendicular to floor (*fig 5*).
5. Slip loop end of **Apollo's Shield™** cable onto handle lever. Then clip carabiner onto eye bolt. Turn door handle lever up and down to ensure loop end of **Apollo's Shield™** cable cannot be slipped off. If necessary, shift the eye bolt to ensure (a) loop end of **Apollo's Shield™** cannot be slipped off door handle lever and (b) carabiner can be easily unclipped from eyebolt.
6. Once fit and function test completed, tighten eye bolt to point it cannot be shifted. Eye bolt orientation should be parallel to door frame and perpendicular to floor (*fig 5*).

*see reverse side for illustrations*



[www.Apollo'sShield.com](http://www.Apollo'sShield.com)

PH: 757-472-9610

chuck@apollosshield.com