



Operations and Instruction Manual

SafeLok Anchorage - Model # 4011 IM-0051 REV A
Portable Concrete and Steel Anchorage Connector
ANSI Z359.1-07 5,000 lbs / 22kn

Made in the USA

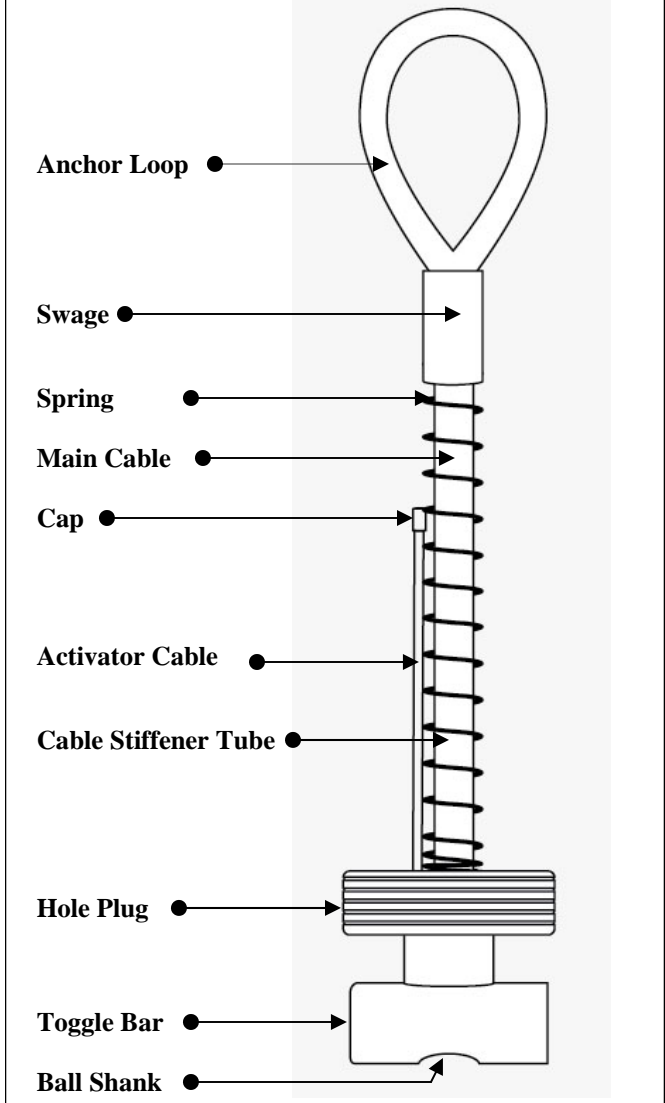
The 3/4" Fall Protection SafeLok is to be used in concrete or steel. DO NOT use in wood or any other substrate. This product is used in precast concrete only with a compressive strength of at least 5,000 PSI

• Main Cable	1/4" 7x19 Aircraft Cable
• Ball Shank	Stainless Steel
• Toggle Bar	Stainless Steel
• Hole Plug	6061 T6 Aluminum
• Spring	Zinc Coated Stainless Steel
• Swage	Zinc Coated Copper
• Return Wire	1x19 Aircraft Cable
• Anchor Loop	Polyurethane

For Fall Protection Only

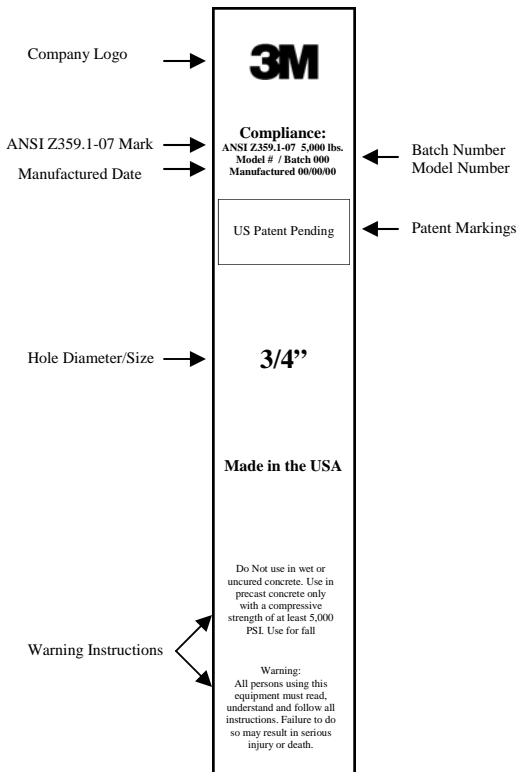
- Works in 6" hollow core or larger
 - Works from 1-1/2" to 4" thick precast concrete
 - Works from 1/4" to 4" thick steel flange
- The SafeLok can be placed in:
- * Horizontal surfaces
 - * Vertical surfaces
 - * Horizontal / Vertical Lifelines
 - * Overhead / ceiling surfaces

SafeLok Part Description



3/4" SafeLok

Tested - ANSI Z359.1-07
Strength - 5,000 lbs / 22kn
Model - 4011
Color Coded in Bright Orange Tubing

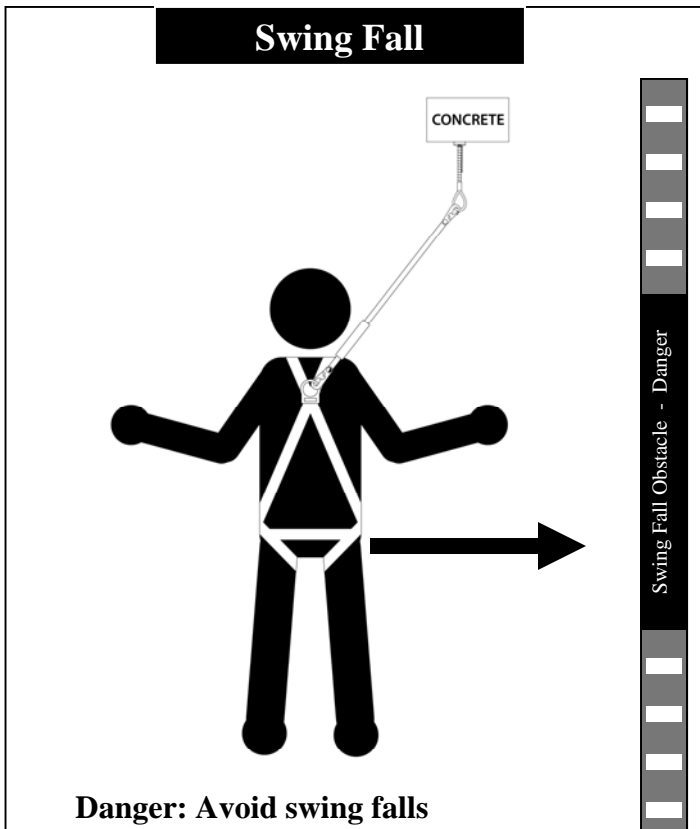
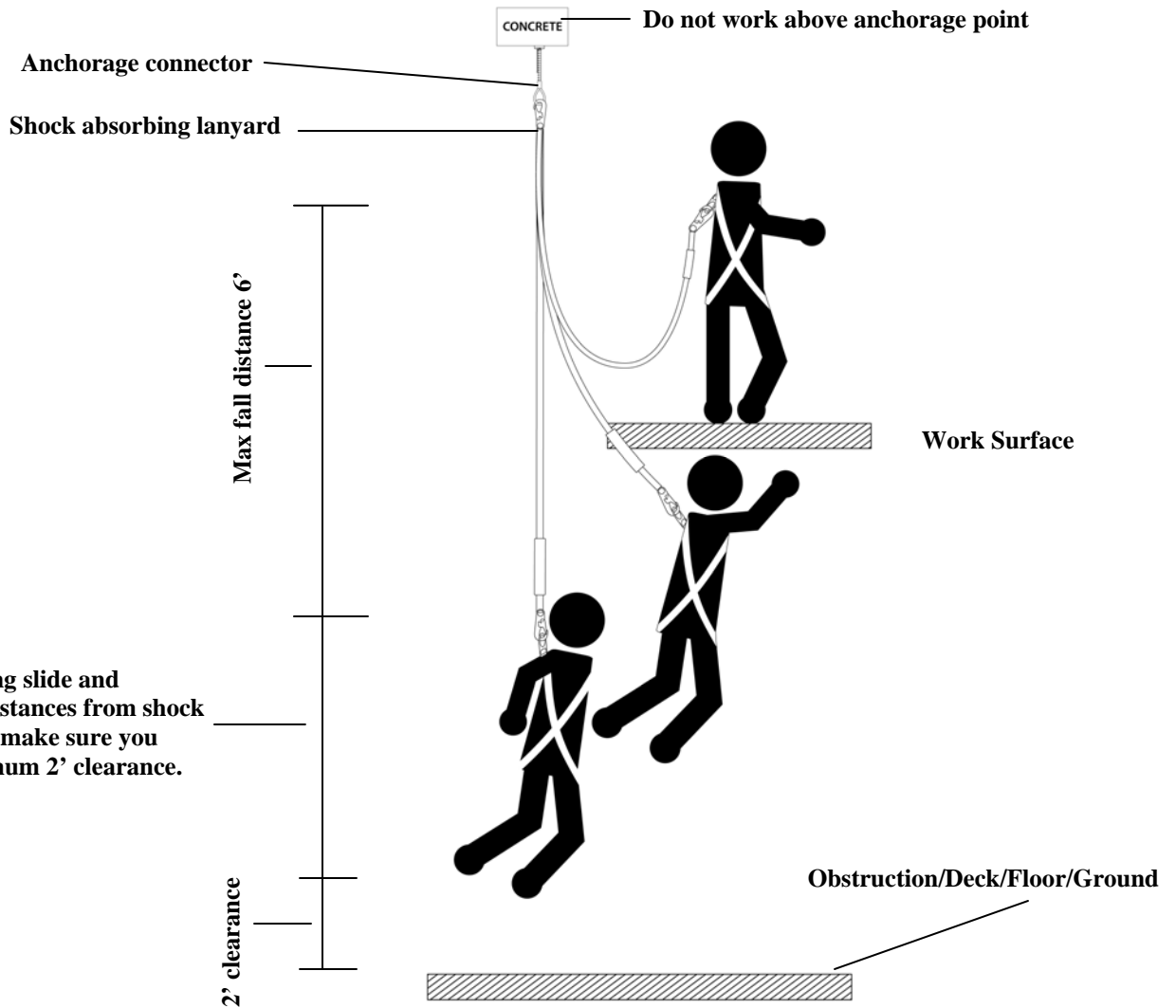


APPLICATIONS

USE: The SafeLok anchorage connector is designed for fall protection, horizontal or vertical lifeline systems, restraint, work positioning, tie back anchors, and rescue.

REQUIREMENTS

- Follow all manufacturer's instructions with this device. Only trained personnel should install, maintain, inspect and use this product and its components or other personal protective equipment in conjunction with this product.
- Do not use this device if its components are damaged, cracked, broken or have any deformation to its structure. Do not use device if it does not operate smoothly or freely.
- OSHA requires that any personal fall arrest system be removed from service if a fall has occurred.
- This product is not designed to be repaired or altered in any way. The unit must be removed from service.
- Use only compatible connectors with this device. Use only self-locking snap hooks or carabiners meeting a minimum requirement of ANSI Z359.1-99. Only use connectors that are designed for each application. Ensure that all connectors are fully closed and in the locked position. Connectors strength must meet the 5,000 lb requirement.
- All personal fall arrest systems must meet all applicable state, federal, city, OSHA and ANSI requirements and any other regulating government body. It is the responsibility of the employer to regulate its worker and make sure all laws are being complied with concerning this device.
- This anchorage point attachment must be identified by a qualified or competent person. For fall arrest, the anchor point must meet the 5,000 lb requirement per single user. It is the responsibility of the user and employer that the I-beam or concrete can meet the anchor requirements and the proper anchoring techniques be used with this device.
- This anchor point must be used with care. Determining the proper placement of this device must take into consideration that in combination with a lanyard the user will not be allowed to free fall more than 6 feet (1.8 M). Make sure the fall path is clear of obstructions and no swing falls occur.
- The structure or substrate that this device is anchored to must meet the capabilities of withstanding the 5,000 lb static load capacity per person. (5,000 lbs for one person) (10,000 lbs for two person) See pages 5-10 for details on anchoring requirements.
- Pregnant women and minors must not use this product.
- Designed safe working load is 400 LBS (181 kg). Do not exceed this weight.



Swing fall can occur when the worker is not directly under the anchorage point. Avoid a swing fall by working directly underneath your anchorage point. Swing falls can jeopardize the clearance required with retractable, shock absorbing lanyards and other sub-systems of your fall protection system. Avoid swing fall at all circumstances. Swing falls can cause serious injury or death.

GENERAL INSTRUCTIONS AND CARE

Important Warnings

This product is to be used by trained fall protection personnel only. It is to be anchored in accordance with manufacturer's requirements. All persons using this equipment must read and understand all instructions. Failure to do so may result in serious injury or death. If a fall occurs, the SafeLok must be disposed of according to the manufacturer instructions. Users should be familiar with regulations governing this equipment. All individuals who use this product must be properly trained before using this device.

Use only compatible connectors with any SafeLok . Refer to separate instructions supplied with your connecting device. This product is designed for use in thin wall or hollow core precast concrete and steel flanges.

Keep unit free of grout, grease, oils, dirt or other contaminates. This could effect the performance of the unit.

When using a SafeLok make sure the Toggle Bar is activated in the open position (See page 5).

Inspection:

- Make sure unit is straight and operates smoothly.
- Make sure cable is not kinked, frayed or damaged.
- Make sure metal components are not damaged.
- Make sure Toggle Bar opens freely.
- Make sure the Hole Plug slides freely along main cable.
- Make sure the label is affixed to unit and legible.
- When reusing a previously drilled hole, always inspect the hole carefully.

Storage and Cleaning:

- After each use clean with compressed air.
- Store in clean dry environment.
- Store in secure area at the end of each work day.
- Do not pile objects onto or step on the unit.
- Keep unit free of grout, grease, oils and dirt or other contaminates.
- Never lend your unit to other workers.

Disposal:

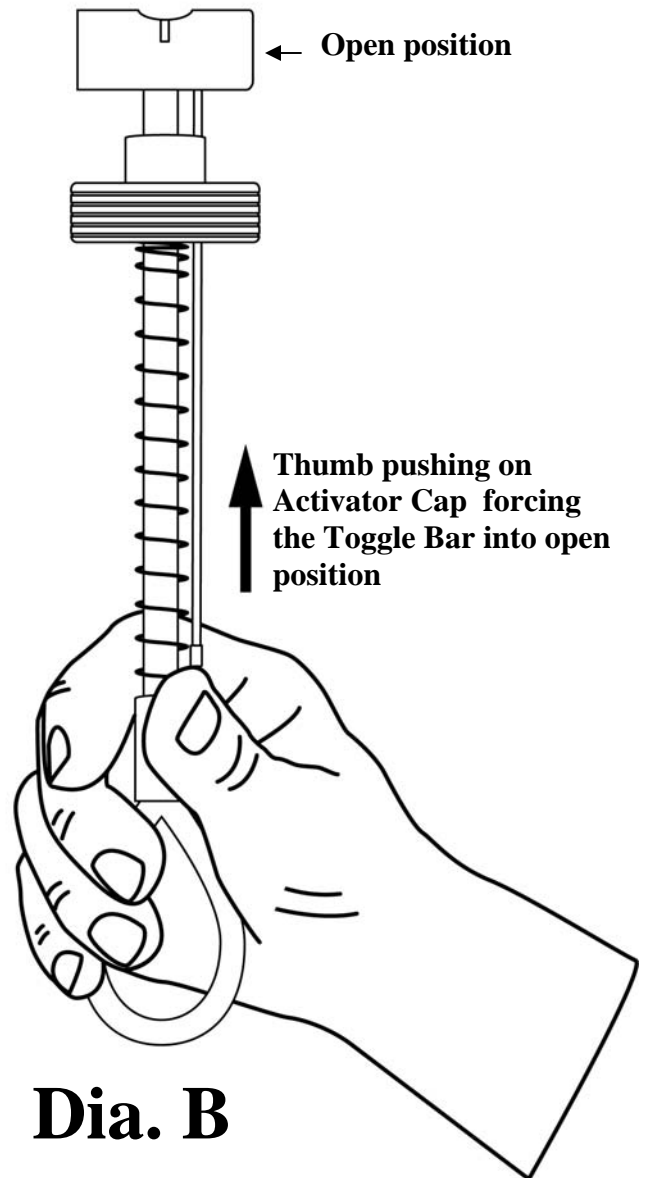
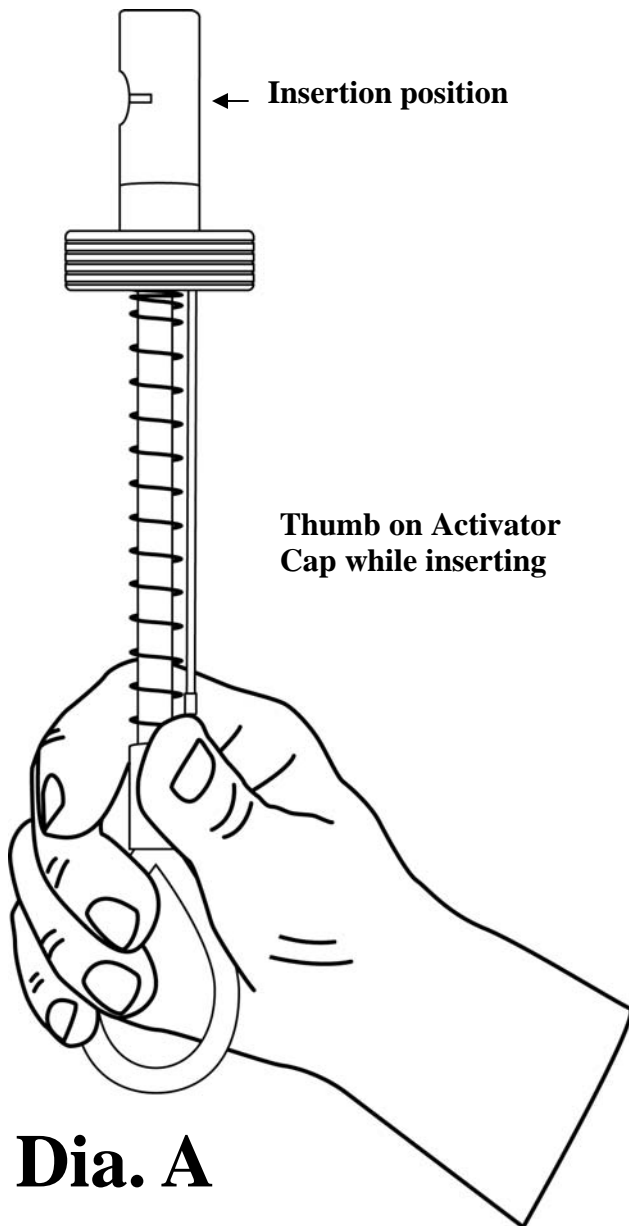
- Dispose of unit after any fall has occurred.
- Dispose of unit if cable becomes kinked or bent.
- Proper disposal requires the units main cable to be cut.

- Follow all manufacturer's instructions.
- Use only compatible connectors.
- Always inspect your units prior to use.
- Use the proper method of coupling to anchorage.
- Remove unit from service if a fall has occurred.
- Patch all holes with concrete when job is complete.
- For use by Single User only.
- Pregnant women and minors must not use this product.
- Designed safe working load is 400 LBS (181 kg). Do not exceed this weight.

ACTIVATING THE TOGGLE BAR

Set the Toggle Bar in the insertion position (Dia. A). Place your thumb on the Cap of the Activator Cable. Push the unit through the hole while pressing on the Cap. As the unit passes through the hole, the Toggle Bar will flip to the open position.

(Dia. B) Shows the Toggle Bar open position.



INSTRUCTIONS FOR USE IN CONCRETE

Use For Fall Protection Only

- **Drill a 3/4" diameter hole .**
- **Drill hole in the center of core hollow.**
- **Never drill hole closer than 6" to any edge or corner.**
- **Always inspect a previously drilled hole for deformation. Drill another proper hole if needed.**
- **Inspect the unit for damage each time you use it. If damage has occurred, dispose of unit.**
- **Make sure the Toggle Bar is activated in the open position.**
- **The Hole Plug must be seated in the concrete hole.**
- **Never rely on a unit placed by unauthorized personnel.**
- **Remove your unit at the end of each day.**

Do not use this product in uncured/wet concrete.

The precast concrete must have a compressive strength of at least 5,000 PSI and the core wall must be 1-1/2" thick. (See Dia. On next page)

Do not drill a hole closer then 6" from any corner or edge.

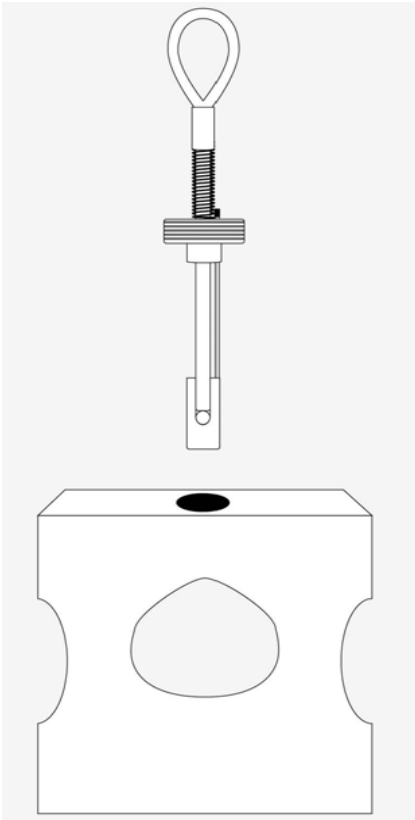
Drill a straight 3/4" diameter hole all the way through the core center utilizing a rotary hammer drill and industrial grade SDS bit.

Only use industrial grade rotary hammer drills and drill bits.

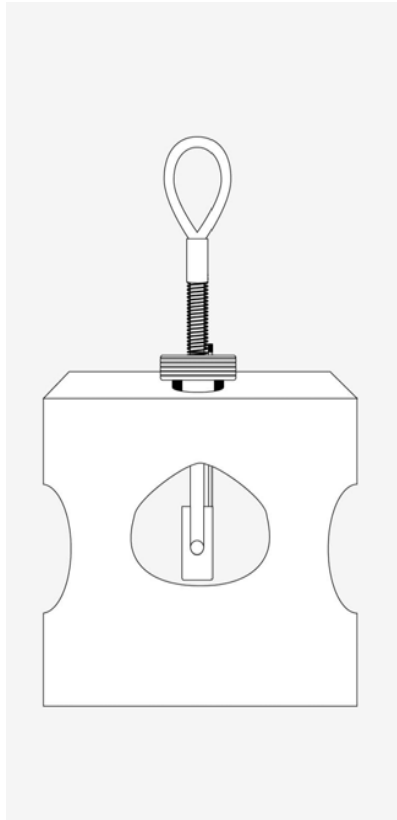
DO NOT USE masonry drill bits.

SEE DIAGRAMS ON NEXT PAGE

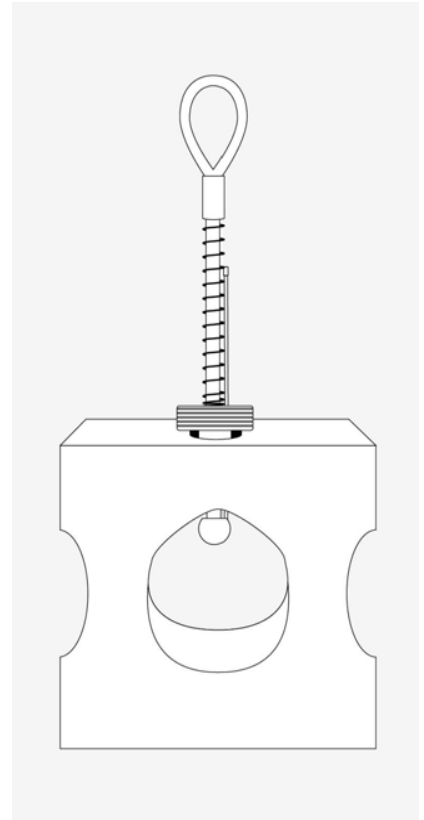
PLACEMENT



Unit in insertion position.

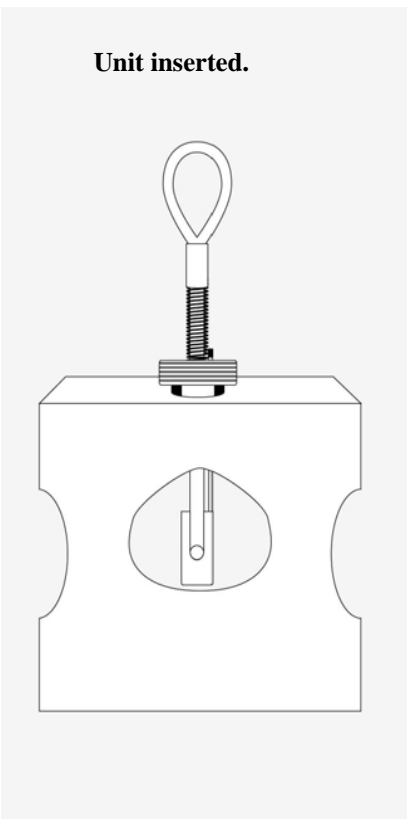


Push the unit downwards until the Spring fully compresses. Push on Activator Cap to force the Toggle Bar into open position.



Only when the unit is activated in the open position is it safe for load bearing.

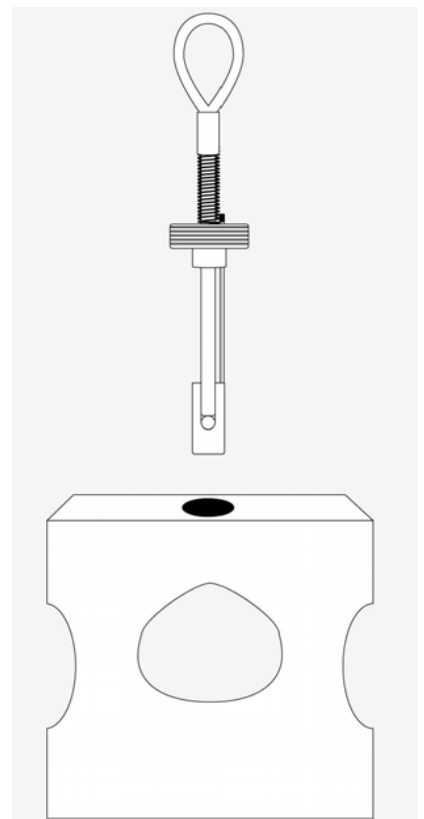
REMOVAL



Unit inserted.

Grab the Hole Plug with one hand while pushing downward on the Anchor Loop with the other hand. Once the Hole Plug fully compresses the Spring, the unit will be in the insertion position and ready to pull out.

The Toggle Bar must be in this parallel position when inserting and removing the unit.



INSTRUCTIONS FOR USE IN STEEL

Use For Fall Protection Only

- **Drill a 3/4" diameter hole .**
- **Drill center of hole at least 1-1/2" from any edge or corner.**
- **Always inspect a previously drilled hole, make sure the hole is round and a true 3/4" diameter hole.**
- **Inspect the unit for damage each time you use it. If damage has occurred, dispose of unit.**
- **Make sure the Toggle Bar is activated in the open position.**
- **The Hole Plug must be seated in the steel hole.**
- **Never rely on a unit placed by unauthorized personnel.**
- **Never leave a unit inserted in a hole overnight.**

This product is to be used by trained fall protection personnel only. It is to be anchored in accordance with manufacturer's requirements.

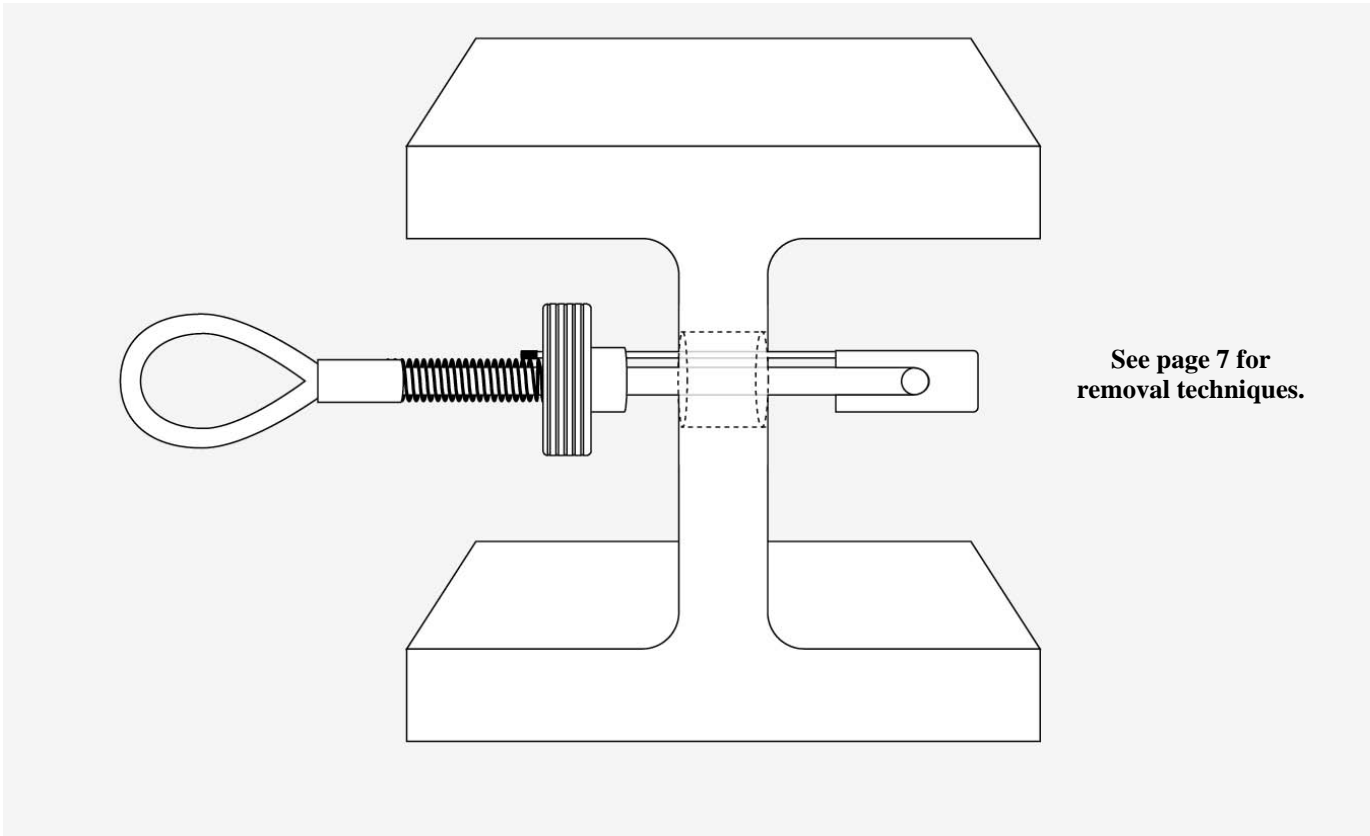
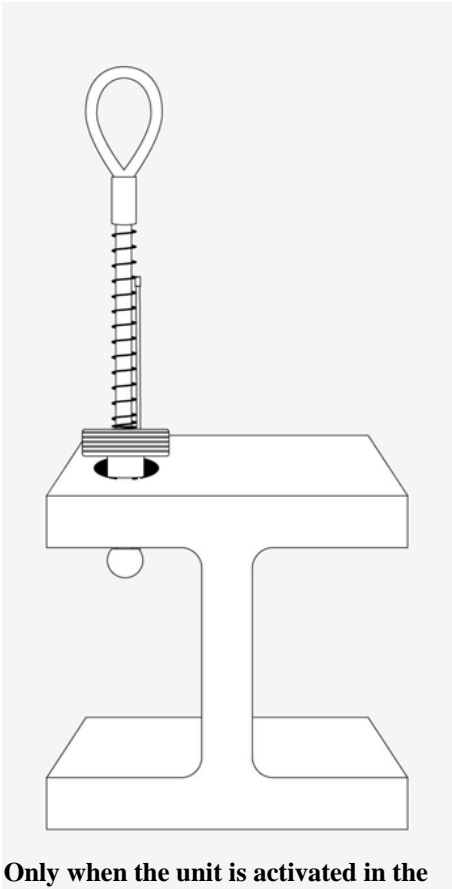
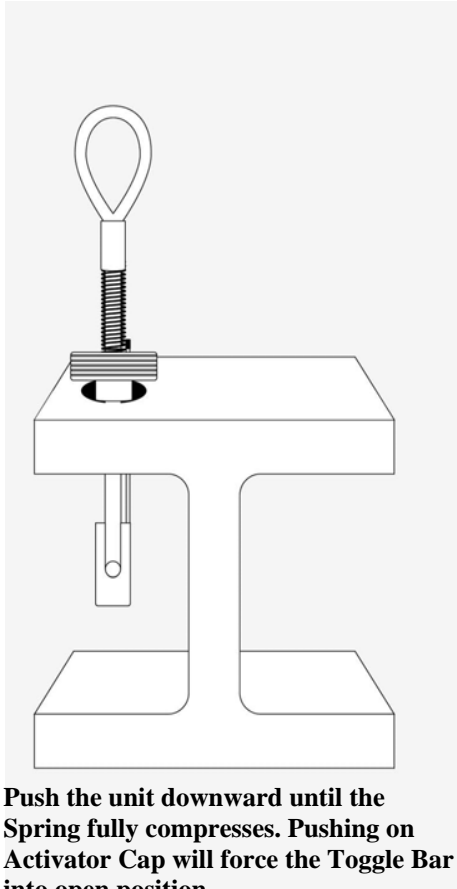
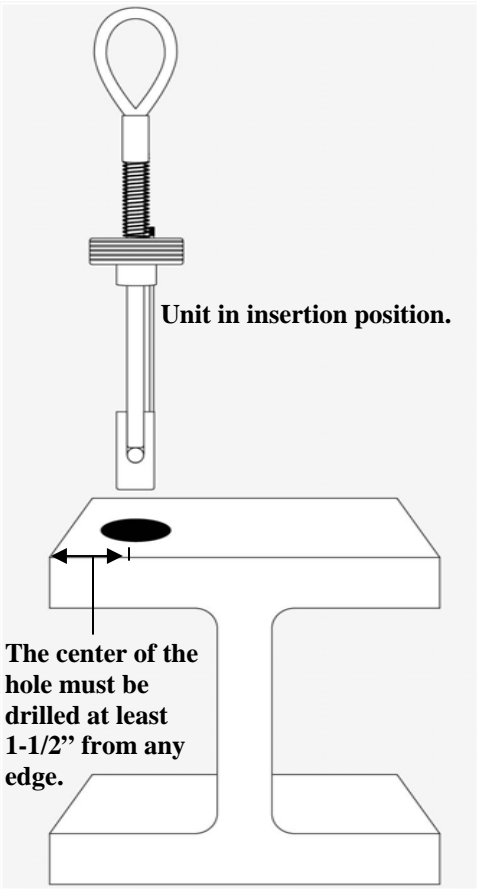
The steel flange must be at least 1/4" thick and you must drill the center of the hole at least 1-1/2" from any edge or corner.

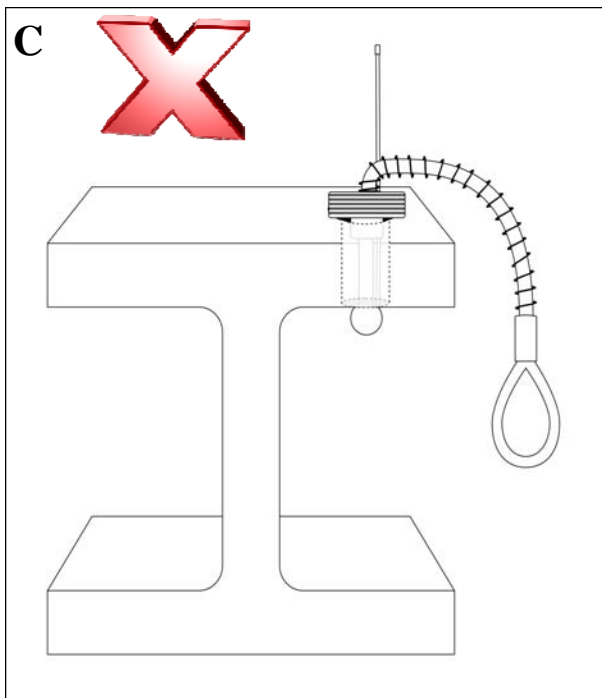
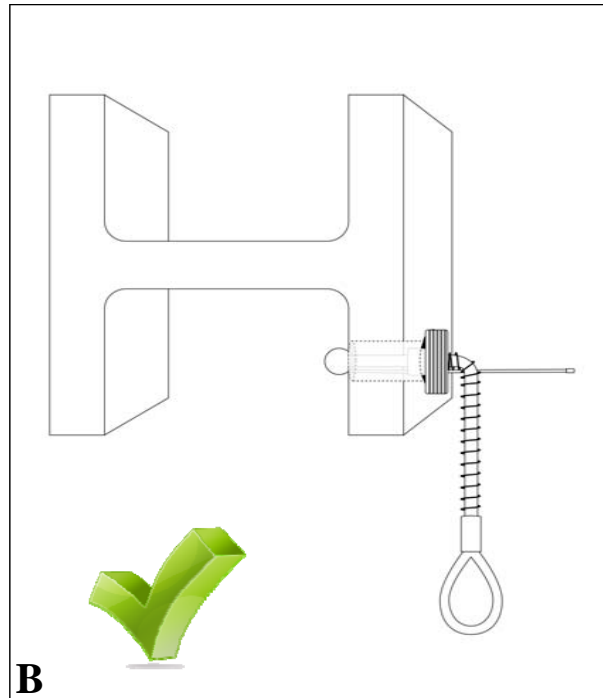
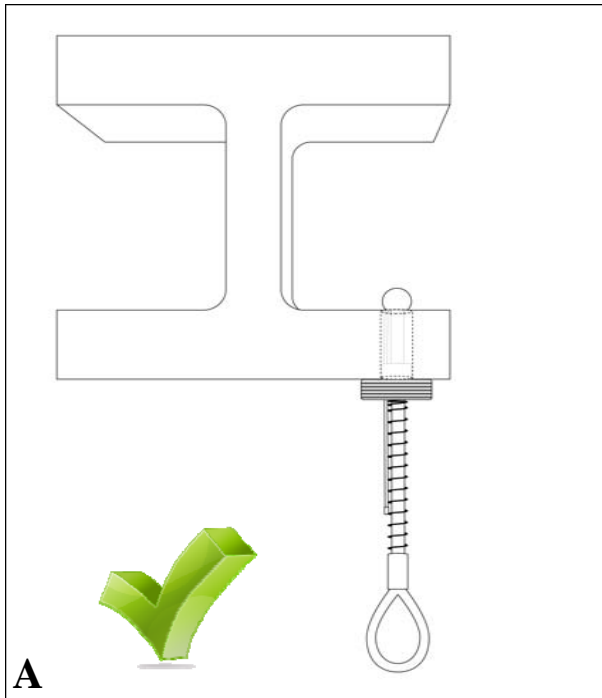
It is important that you drill your SafeLok hole to the manufacturer's required diameter. All holes must be drilled to a 3/4" diameter. Do not use holes larger than 3/4" or holes that are not round in shape.

NEVER USE A BENT DRILL BIT

SEE DIAGRAMS ON NEXT PAGE

PLACEMENT IN STEEL





SafeLoks may be used for shear and tensile loads up to a 90 degree bend.

- **Anchors are authorized to be used as positioned in diagrams A and B.**
- **NEVER place a anchor as shown in diagram C.**

INSPECTION AND MAINTAINANCE LOG

DATE OF MANUFACTURE: _____

MODEL NUMBER: _____

DATE PURCHASED: _____

Date	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	Corrective Action	Name of Inspector	Signature

FOR MORE INFORMATION

In United States, contact:

Website: www.SafeWaze.com
Technical Assistance: 1-800-560-1094
Fax: 1-800-560-1275

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4451 Raceway Drive South West
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