Operations and Instruction Manual

RB Anchorage - Model #RB1015
Portable Concrete Anchorage Connector
ANSI Z359.1 5,000 lbs / 22kn

Made in the USA

RB Anchor™

3/4”

3/4” - 5,000 lb. Concrete Anchorage Connector for Fall Protection Only.

IMPORTANT!!

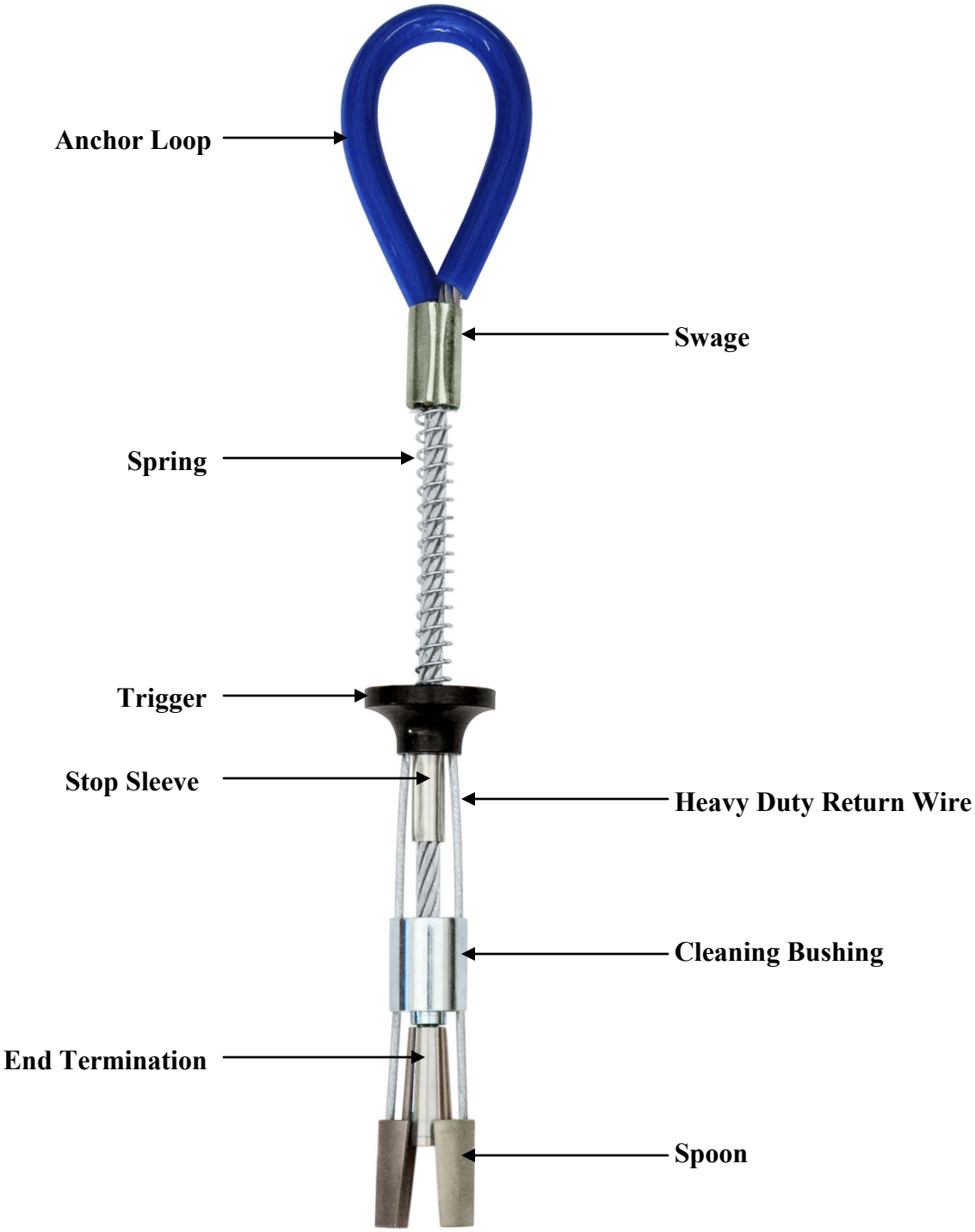
All persons using this equipment must read and understand all instructions. Failure to do so may result in serious injury or death. If a fall occurs, the RB must be disposed of according to the manufacturer instruction. Users should be familiar with pertinent regulations governing this equipment. All individuals who use this product must be correctly instructed on how to use this device.

Components

3/4” RB

Tested - **ANSI Z359.1**
Strength - **5,000 lbs / 22kn**
Model - **RB #1015**
Color Coded in Bright Blue Tubing

• Main Cable	7x19 Aircraft Cable
• End Termination	304 Stainless Steel
• Spoons	Ph-17 Stainless Steel
• Bushing Guide	Zinc Plated Alloy Steel
• Stop sleeve	304 Stainless Steel
• Trigger	6061 T-6 Aluminum
• Spring	Zinc Plated Spring Steel
• Swage	Zinc Plated Copper
• Return Wire	1x19 Aircraft Cable
• Plastics	Polyurethane



APPLICATIONS

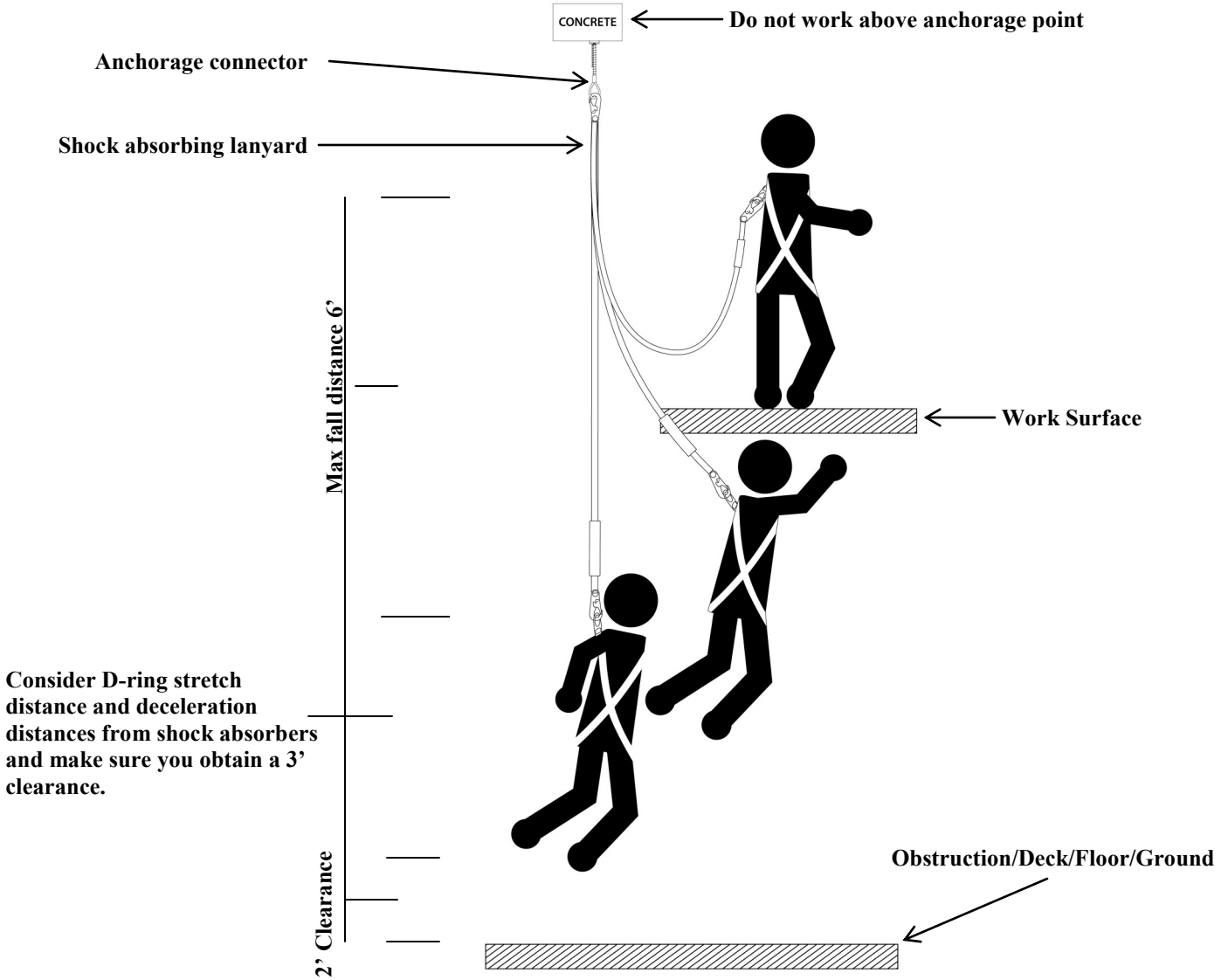
3/4" Fall Protection RB's are to be used in concrete substrate only. DO NOT use in steel, wood or any other substrate.
<u>This product is used in concrete only.</u>

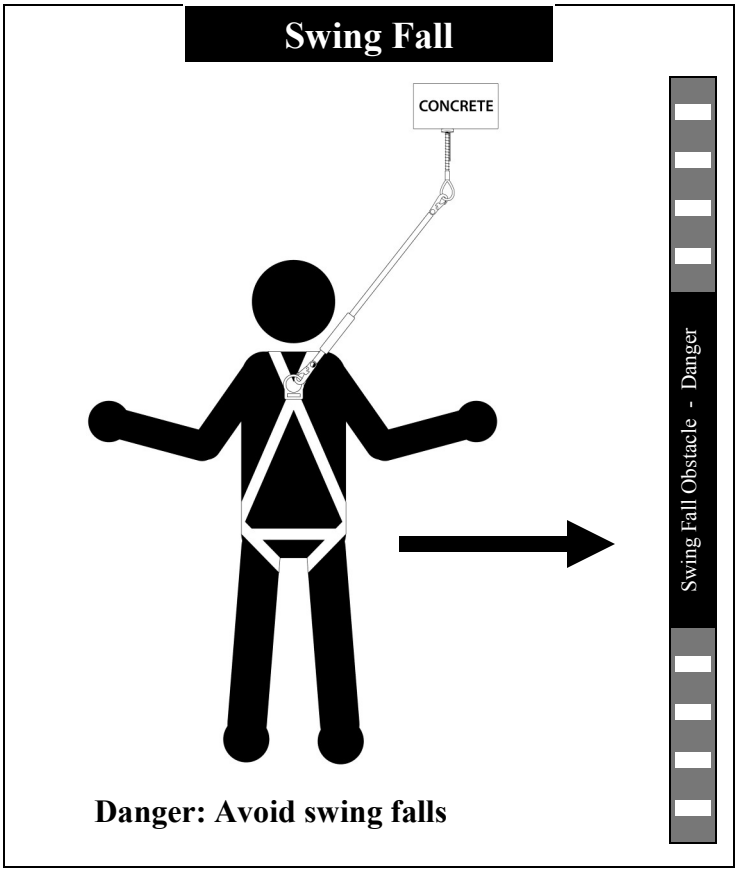
<u>RB's can be placed in:</u>
*** Horizontal surfaces**
*** Vertical surfaces**
*** Overhead / ceiling surfaces**

USE: The RB anchorage connector is designed to use for fall protection, restraint, work positioning, personal riding, .

REQUIREMENTS

1. **Follow all manufacturer's instructions with this device. Only trained professional personnel should install, maintain, inspect and use this product and its components or other personal protective equipment in conjunction with this product.**
2. **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.**
3. **OSHA requires that any personal fall arrest system and all the components in the system be removed from service and destroyed if a fall has occurred loading this device.**
4. **This product is not designed to be repaired or altered in any way. The unit must be removed from service.**
5. **Do not use incompatible connectors with this device. Use only self-locking snap hooks or carabiners that meet ANSI 359.1 requirements. 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.**
6. **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.**
7. **This anchorage point attachment must be identified by a qualified or competent person by means of support of a worker. 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 concrete can meet the anchor requirements and the proper anchoring techniques be used with this device. See page 5 & 6 for required details on how to use this device.**
8. **This anchor point must be used with care. Determining the proper placement of this device must take in consideration and be applied so that in combination along with an lanyard that the user will not be allowed to free fall more that 6 feet (1.8 M) . Make sure the fall path is clear of obstructions and no swing falls occur.**
9. **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. **Pregnant women and minors must not use this product.**
11. **Designed safe working load is 400 LBS (149.3 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 serous injury or death.

Drilling for Fall Protection

This product is to be used by qualified fall protection personnel only. It is to be anchored in accordance with manufacturer's requirements in concrete substrate only. Do not anchor in uncured/wet concrete.

The RB model #1015 is color coded in BRIGHT BLUE TUBING, and is used for *FALL PROTECTION ONLY*. This unit is not to be used in any other anchoring situation. Concrete must have a compressive strength of at least 3,000 PSI (20.7MPa)

- **Drill a 3/4" diameter hole at least 3" deep.**
- **Blow hole clean with compressed air.**
- **Drill hole straight into substrate.**
- **When reusing a previously drilled hole always inspect the hole carefully.**
- **Insert unit 3 inches deep into hole.**
- **Set the unit with a slight tug on the anchor loop.**
- **The Stop Sleeve must always be partially inserted into the hole.**
- **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.**
- **Never rely on a unit placed by unqualified workers.**
- **Remove your unit at the end of each day.**
- **Never leave a unit inserted in a hole overnight.**
- **Never drill hole closer than 6" to any edge or corner.**

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

- **If a hole is 6" from an edge or corner the concrete substrate must be 12" thick and 12" wide (example - a 12" x 12" column)**
- **If a hole is 8" from an edge or corner the concrete substrate must be 10" thick and 16" wide (example - a 10" x 16" column)**
- **If a hole is 10" from an edge or corner the concrete substrate must be 8" thick and 20" wide (example – a 8" x 20" column)**
- **If a hole is 12" or more from any corner or edge the concrete substrate must be 5" thick.**

It is important that you drill your RB Anchor hole to the manufacturer's required depth and hole structure. All holes must be 3/4" in diameter and drilled at least 3" into the substrate. The bored hole walls must be straight and parallel. NOTE: The bored hole must be of uniform diameter and free of peaks and valleys on the inner wall surfaces. Only use quality industrial grade rotary hammers and rotary hammer drill bits.

NEVER USE A BENT DRILL BIT!!

Drill a straight 3/4" diameter hole at least 3" deep into your substrate utilizing a rotary hammer drill that uses industrial grade SDS bits.

Only use industrial grade rotary hammer drills and drill bits.
DO NOT USE masonry drill bits

Inspection: Inspect unit prior to use

1. Make sure unit is straight and operates smoothly.
2. Make sure the label is affixed to unit.
3. Make sure trigger stop is not bent or damaged.
4. Make sure cables are not kinked, frayed or damaged.
5. Make sure metal components are not damaged.
6. Make sure metal spoons and conical end fitting operate smoothly and no metal burrs have occurred or any debris is obstructing its performance.
7. When reusing a previously drilled hole, always inspect the hole carefully.
8. Every three months the unit must be thoroughly inspected and documented in the inspection log at the back of this instruction manual.

Storage and Cleaning:

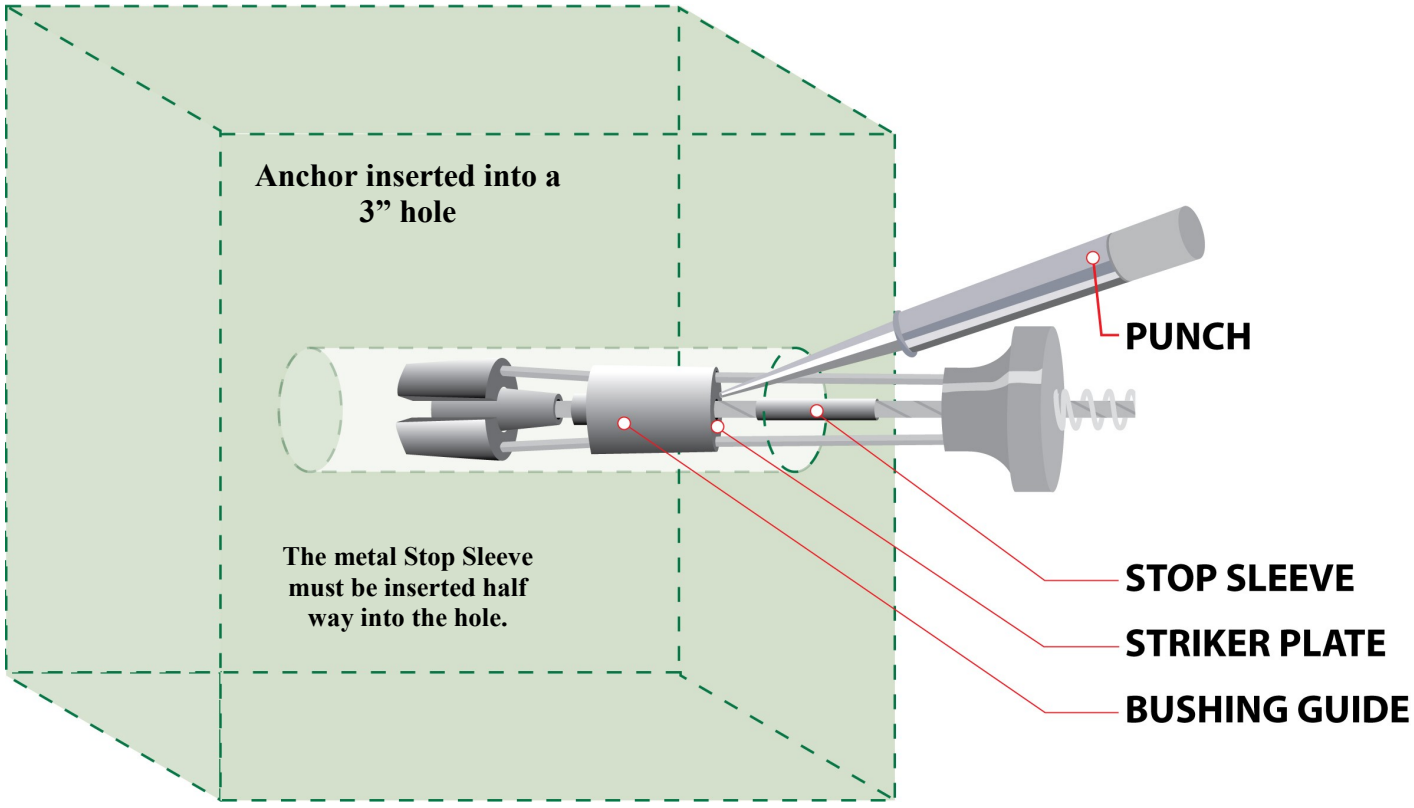
1. Blow off unit after each use with compressed air.
2. Store in clean dry environment.
3. Store in secure locked area.
4. Store and put away at the end of each day's work.
5. Do not pile any objects on top of unit during storage.
6. Keep unit free of grease, oils and dirt.
7. Never lend your unit to other workers.

Disposal:

1. Dispose of unit after any fall has occurred.
2. Dispose of unit if cable becomes kinked or bent.
3. Dispose of unit if trigger stop is bent or damaged.
4. Dispose of unit if trigger action is rough or sticky.
5. Dispose of unit if return wire becomes bent or frayed.
6. Proper disposal requires the unit's spoons be cut off the return wires and thrown away.

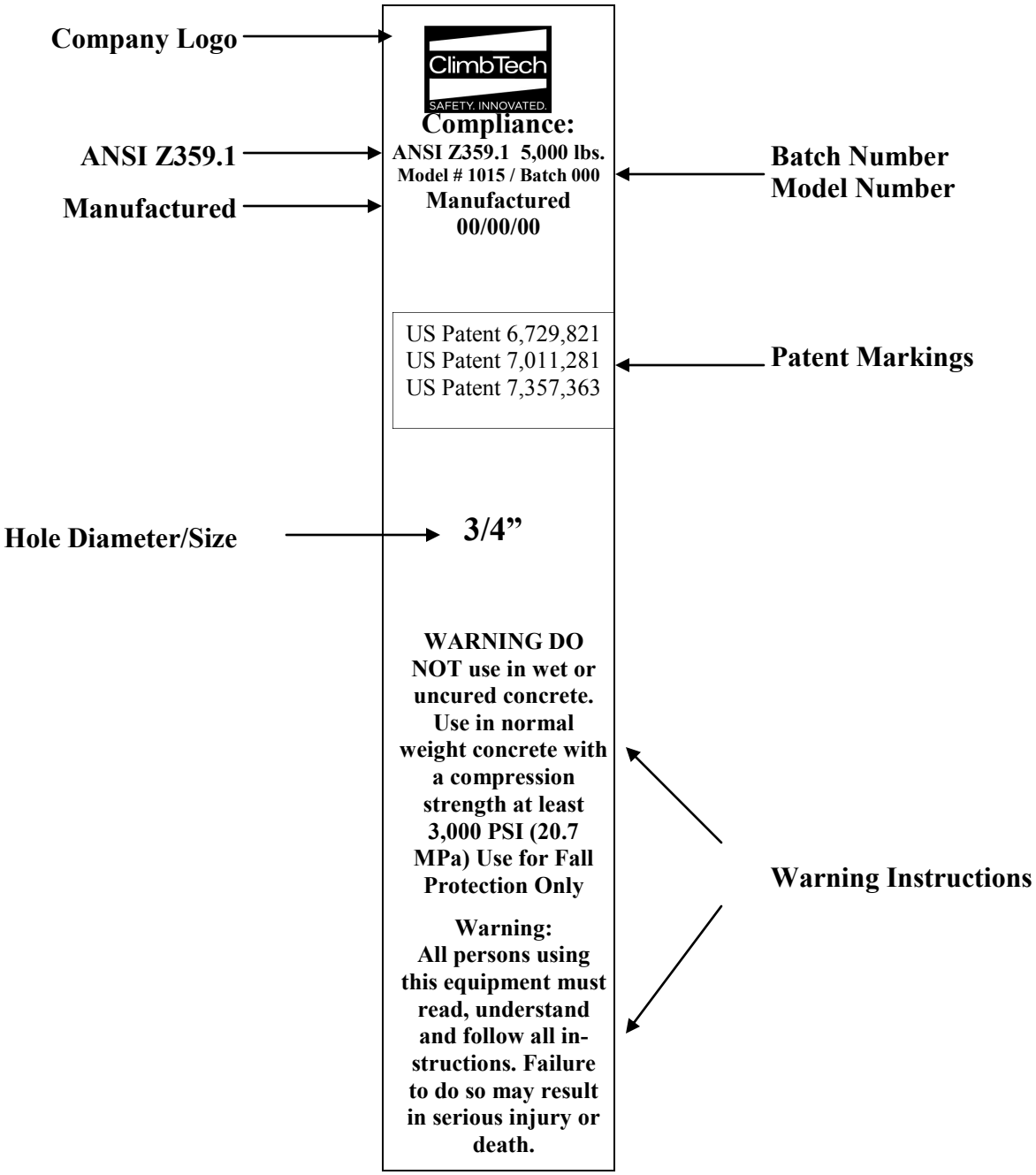
When placing a RB, Place your thumb inside the anchor loop and your first two fingers around the trigger. Retract the trigger until the spring bottoms out. With your other hand, pinch the two spoons between your thumb and index finger. Hold the trigger fully retracted while inserting the unit into bottom of the hole.

If a RB becomes stuck, insert a punch, screwdriver or pointed object into the hole until the tip rests on the striker plate Give a LIGHT, blunt tap with a hammer or heavy object. The Striker Plate will be easily visible at the edge of the hole.



LABELING

The following labels must remain affixed to this product



INSPECTION AND MAINTAINANCE LOG

DATE OF MANUFACTURE: _____

MODEL NUMBER: _____

DATE PURCHASED: _____

Date	☐ Pass ☐ Fail	Corrective Action	Name of Inspector	Signature

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