



# Operations and Instruction Manual

Model #4075

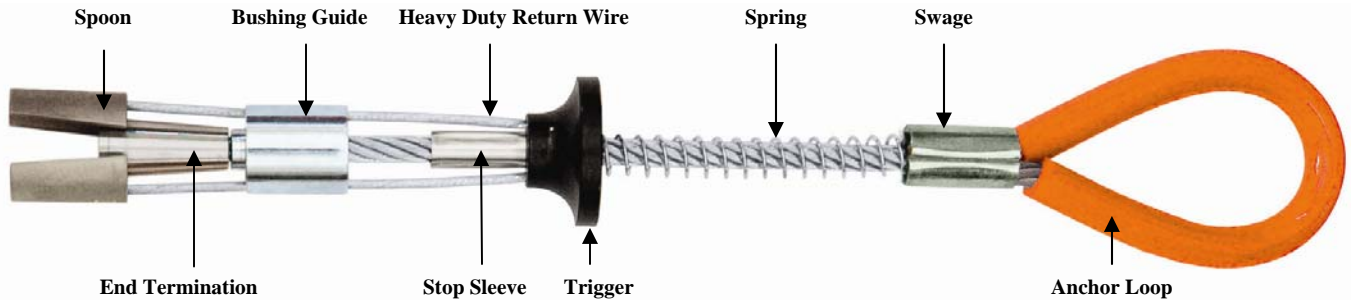
Portable Concrete Anchorage Connector

ANSI Z359.1-07 5,000 lbs / 22kn

OSHA 1910.66 & 1926.502

Effective: 01/2012 Expires: 01/2022 IM-0049 REVA

## 3/4" SafeClaw Anchorage Connectors



### \*\*\* Warning \*\*\*

Do not use incompatible connectors with any SafeClaw Anchor.  
Refer to separate instructions supplied with your anchorage connector.

### 3/4" SafeClaw Fall Protection Anchor

- Model - #4075
- Designed safe working load: 400 lbs.
- Tested - ANSI Z359.1-2007
- OSHA - 1910.66 & 1926.502
- Strength - 5,000 lbs / 22kn
- Color coded in orange tubing

1. Follow all manufacturer's instructions.
2. Do not use incompatible connectors.
3. Always inspect your units prior to use.
4. Use the proper method of coupling to anchorage.
5. Remove unit for service if a fall has occurred.
6. Patch all holes with concrete when job is complete.
7. For use by one person only.
8. Pregnant women and minors must not use this product.
9. Designed safe working load is 400 LBS (149.3 kg). Do not exceed this weight.
10. Not for use with horizontal lifeline systems. Refer to item #4077.

Model #4075 SafeClaw 3/4" anchor is to be used in concrete substrate only.  
DO NOT use in steel, wood or any other substrate.

This product is designed for use in cured concrete only and may be pulled in all directions up to 90.

SafeClaw Fall Protection Anchor can be placed in:

- \* Horizontal surfaces
- \* Vertical surfaces
- \* Overhead / ceiling surfaces

## 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 SafeClaw anchor 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.

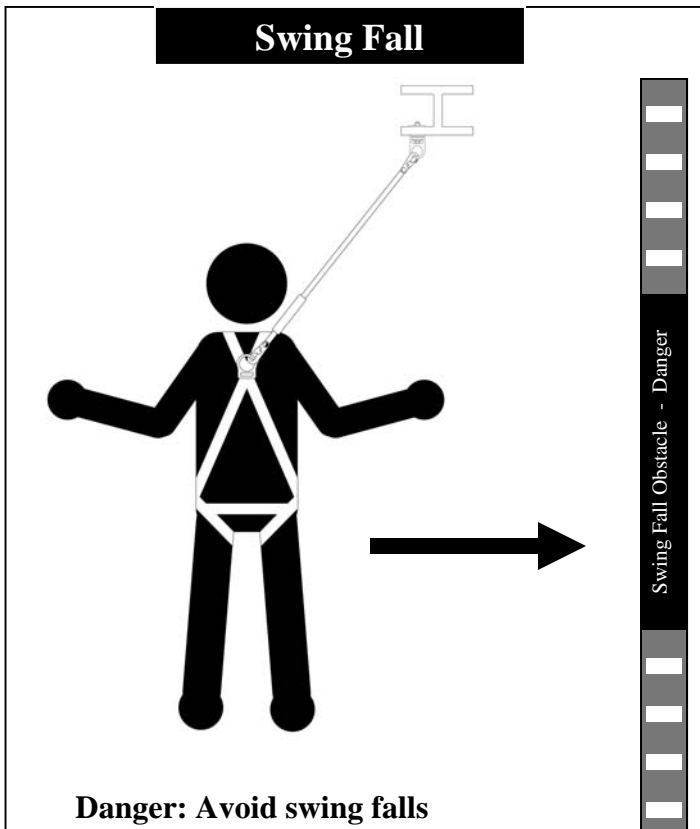
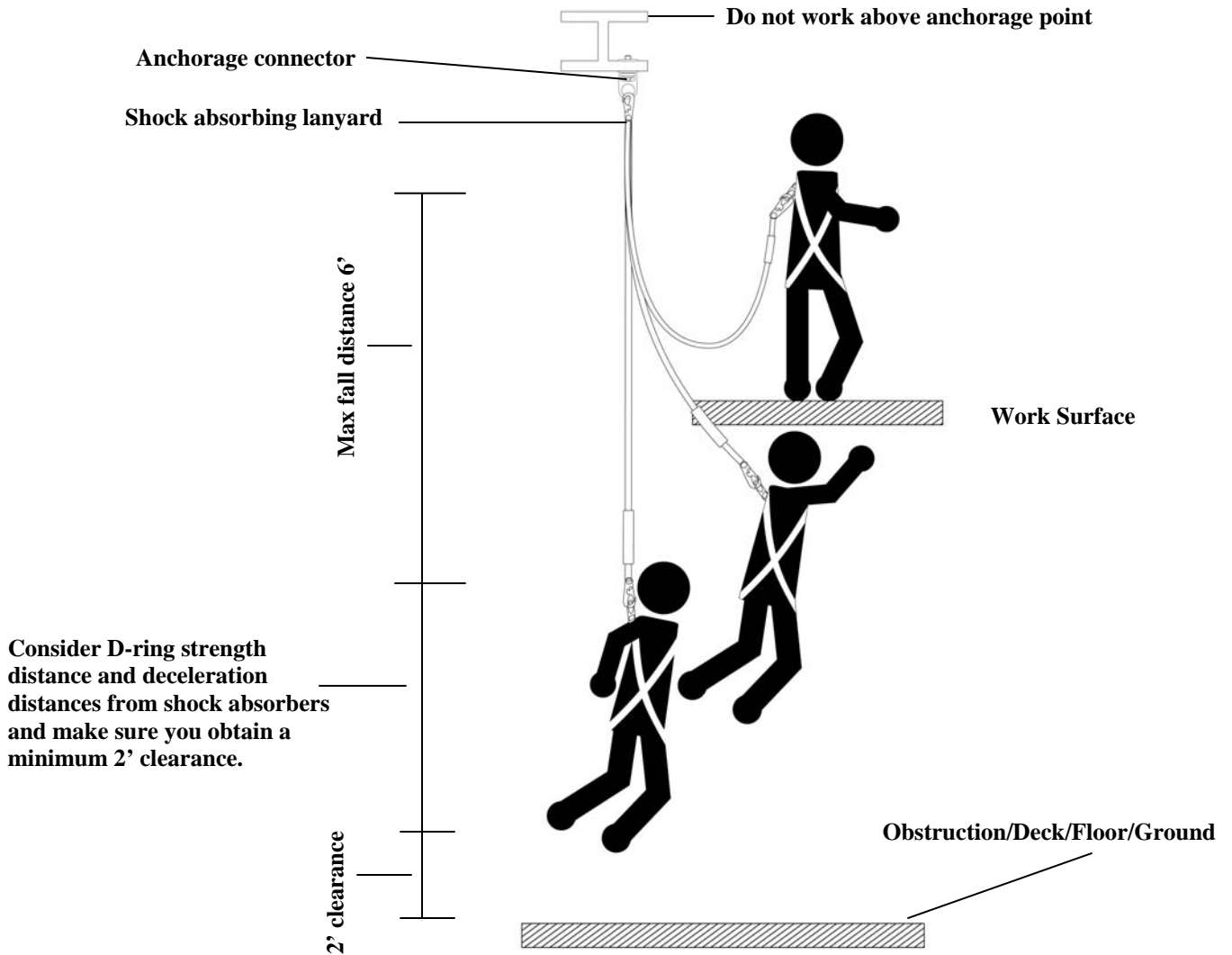
## APPLICATIONS

**USE:** The SafeClaw anchorage connector is designed for fall protection, life line systems, restraint, work positioning, tie back anchors, and rescue.

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## 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 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)
- 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 SafeClaw 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 SafeClaw . Refer to separate instructions supplied with your connecting device.

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

## 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 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.

# 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 SafeClaw model #4075 is color coded in ORANGE TUBING, and is to be 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 to ensure adequate integrity.
- 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 anchor hole less than 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 SafeClaw 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:**

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.
7. When reusing a previously drilled hole, always inspect the hole carefully.

**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. Avoid lending 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

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

Company Logo → **3M**

1-800-560-1094  
SafeClaw

ANSI Z359.1 Mark → **Compliance:**  
ANSI Z359.1-07 5,000 lbs.  
OSHA  
1910.66 & 1926.502

Manufactured Date → Model # 4075 / Batch 000  
Manufactured 00/00/00 ← Batch Number  
Model Number

US Patent 6,729,821  
US Patent 7,011,281  
US Patent 7,357,363 ← Patent Markings

Hole Diameter/Size → **3/4"**

Reference #  
70071532330

WARNING DO NOT use in wet or uncured concrete. Use in normal weight concrete with a compression strength at least 3,000 PSI (20.7 MPa) Use for Fall Protection Only

Warning:  
All persons using this equipment must read, understand and follow all instructions. Failure to do so may result in serious injury or death. ← Warning Instructions

**When installing the SafeClaw, 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.**

