

## ANSI Z359-07 INSTRUCTION MANUAL SUPPLEMENT

This supplement is being issued with all Miller Fall Protection product instruction manuals in accordance with ANSI Z359.1, Z359.3 and Z359.4 standards.

**All persons using this equipment must read and understand all instructions—those provided in the instruction manual as well as this supplement. Failure to do so may result in serious injury or death.** In the event of any discrepancies, information and warnings provided in this supplement supersede those in the instruction manual. If there is any doubt, please contact Miller Technical Services Department at 1-800-873-5242.

### GENERAL REQUIREMENTS

- All authorized persons/users must reference the ANSI Z359.1 standard and applicable regulations governing occupational safety. In addition, authorized persons/users of positioning and travel restraint equipment must reference ANSI Z359.3 and authorized persons/users of rescue equipment must reference ANSI Z359.4. Please refer to product labeling for information on specific OSHA, ANSI and CSA standards met by product.
- Never remove product labels, which include important warnings and information for the authorized person/user.
- Any equipment that has been subjected to damage as described by the manufacturer or has been subjected to the forces of arresting a fall or affecting a rescue must be removed from service.

### ANCHORAGE REQUIREMENTS

- Anchorage requirements based on ANSI standards are as follows:
  - Anchorages selected for personal fall arrest systems shall have a strength capable of sustaining static loads of at least two times the maximum arrest force permitted on the system when certification exists, or 5,000 lbs. (22.2kN) in the absence of certification. When more than one personal fall arrest system is attached to an anchorage, the above anchorage strengths must be multiplied by the number of personal fall arrest systems attached to the anchorage.
  - For work positioning systems, anchorages must withstand a static load of 3,000 lbs. (13.3kN) for non-certified anchorages or two times the foreseeable force for certified anchorages.
  - For travel restraint systems, anchorages must withstand a static load of 1,000 lbs. (4.5kN) for non-certified anchorages or two times the foreseeable force for certified anchorages.
  - Anchorages selected for rescue systems shall have a strength capable of sustaining static loads of at least 3,100 lbs. (13.9kN) for non-certified anchorages, for connection of rescue system only, or meet a safety factor of 5:1 based on the static load placed on the system for certified anchorages.
  - Anchorage connectors shall not be attached to anchorages where such attachment would reduce the anchorage strength below the applicable levels set forth above.
  - Anchorage connections shall be stabilized to prevent unwanted movement or disengagement of the system from the anchorage.
  - Anchorage connectors shall be attached to no more than one PFAS or rescue system unless certified for such purpose.
- Miller steel carabiners with 3,600 lb. (16kN) gate load capacity meet ANSI Z359.1(07).

### WARNINGS

#### BODY WEAR

- Harnesses equipped with a front D-ring for fall arrest shall be used only as part of a personal fall arrest system that limits the maximum free fall distance to two feet (0.6m) and limits the maximum arrest force to 900 lbs. (4kN).

#### CONNECTING DEVICES

- For lanyards with two, integrally connected legs:
  - Connect only the center snap hook to the fall arrest attachment element.
  - Do not attach the leg of the lanyard which is not in use to the harness except to attachment points specifically designated by the manufacturer for this purpose.
  - Do not rig the lanyard to create more than a six-foot (1.8m) free fall.
  - Do not allow the legs of the lanyard to pass under arms, between legs or around the neck.

## ASSISTED-RESCUE AND SELF-RESCUE SYSTEMS, SUBSYSTEMS AND COMPONENTS

### Self-Retracting Lifelines with Rescue Capabilities

The following information and warnings apply to Miller MightEvac Self-Retracting Lifelines with emergency rescue capabilities (MR50, MR100 and MR130 units).

- Force required to operate rescue features when device is loaded to capacity is 22 lbs. (98N).
- **WARNING: Never allow the lifeline to become slack while in rescue mode.**

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### Rescue and Controlled Descent Devices

The following information and warnings apply to Miller SafEscape Controlled Descent/Self-Rescue Systems (AG10 devices and kits) and Miller Series 70 Universal Rescue Systems (all base model 70 devices and systems).

- **WARNING: Always use the rope lifeline specifically designated by the manufacturer to be used with the system. The use of an incompatible rope lifeline could interfere with the proper functioning of the system.**
- **CAUTION: Avoid descending into electrical, thermal, chemical sources or other hazards.**

#### AG10 SafeEscape (Descent Device) Systems only

- SafeEscape Systems include 3/8" (9.5mm) polyester rope.
- Descent energy rating: 5,530,000 ft.-lbs.
- Maximum descent distance is 436 yards (400m). For two persons, maximum descent distance is 109 yards (100m).
- Maximum descent rate: 2.5 ft./sec. (.7m/s)

#### Series 70 (Rope Tackle Block) Systems only

- The Series 70 Systems use a 3/8" (9.5mm) kernmantle rope lifeline with a tensile strength of 5,600 lbs. (25kN).
- Maximum descent distance: 500 ft. (152m)
- Maximum descent rate: 2.5 ft./sec. (.7m/s)

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### Winches/Hoists

The following information and warnings apply to Miller ManHandler Hoists (8442 units).

- ManHandler hoists contain 3/16" (5mm) galvanized or stainless steel cable.
- Maximum working length of load line: 100 ft. (30.5m)
- Force required to operate rescue features when device is loaded to maximum capacity: 22 lbs. (98N)
- **WARNING: Never allow the lifeline to come into contact with sharp edges or abrasive surfaces.**

