



Frequently Asked Questions

Q1: What is the new Miller SafEscape ELITE Rescue/Descent Device (RDD)?

A1: The new Miller SafEscape ELITE RDD is an automatic descent control device designed to evacuate or rescue personnel from an elevated height. It can accommodate one or two users simultaneously, on multiple descents. Units with the optional hoisting wheel can be used to raise personnel from lower levels to a safe location above.

The Miller SafEscape ELITE RDD is not a fall arresting device. It may not be used to lift or lower materials.

Q2: What are the key competitive advantages over the current Miller SafEscape RDD (AG10) or other competitive products?

A2: The new Miller SafEscape ELITE RDD has several significant advantages over the current Miller SafEscape RDD (AG10) product and other competitors. Some of these advantages include:

- Meets all key standards globally, including the new EN 341:2008 which has the world's most demanding testing requirements
- No annual factory recertification required
- Longest usage interval between recertification – up to 7 years
- Smaller and lighter than other similar equipment
- Higher maximum descent distance and maximum user weight allowed

Q3: Will the current Miller SafEscape RDD (AG-10) still be available?

A3: The current Miller SafEscape RDD (AG-10) will continue to be sold only while current inventories last. Once this inventory is depleted, this model will become obsolete.

Q4: Will replacement rope for the current Miller SafEscape RDD (AG-10) still be available?

A4: Yes, the replacement rope will still be available.

Q5: What configurations are available for the new Miller SafEscape ELITE RDD?

A5: The new Miller SafEscape ELITE RDD is available in three (3) basic configurations. Note: (XXX = rope length in feet) Also, each basic unit includes a 2.5 ft and 4 ft anchor sling and a rescue bag to hold all the contents.

SE/XXXFT Miller SafEscape ELITE RDD

SEHW/XXXFT Miller SafEscape ELITE RDD with hoisting wheel

SEHWLB/XXXFT Miller SafEscape ELITE RDD with hoisting wheel and ladder bracket

Q6: If a SE/ or SEHW/ unit is purchased, can a ladder bracket be added later if my application changes?

A6: Yes. The ladder bracket assembly (SE-LB) is available as an optional accessory and can be purchased separately and installed on an existing SE/ or SEHW/ unit.

Q7: Is this a single or multiple use product?

A7: This device is approved for multiple descents.

Q8: What are the weight and descent height capacities of the unit?

A8: The maximum weight for a single user is 330 lbs. (150kg) for up to 1640 ft. (500m) on a single descent. For two (2) users the maximum weight is 551 lbs. (250kg) for up to 656 ft. (200m) on a single descent.

Q9: What are the hoisting capabilities of the unit?

A9: The rated hoisting capacity is up to 11 ft. (3.5m) for a 220 lb. (100 kg) person a total of 10 times. However in an emergency situation only, the device is capable of lifting 617 lbs. (280kg) up to 33 ft. (10m) one time.

Q10: What are the target markets for this equipment?

A10: This equipment is designed for use on wind turbines in the growing Wind Energy market, Construction and Maintenance -- as well as offshore and landbased oil drilling rigs, utility pole and tower construction/maintenance, construction tower cranes, fire and emergency rescue services, and many other applications where there is a need to rescue or evacuate personnel working at heights.

Q11: What is the descent speed?

A11: The controlled descent speed is 3.3 ft / second (1m / sec) for a user weighing 220 lbs (100kg). This will increase linearly to 4.6 ft/ sec (1.4m / sec) for two (2) users weighing 440 lbs (200kg).

Q12: What materials is the Miller SafEscape ELITE RDD constructed of?

A12: The Miller SafEscape ELITE RDD is constructed of all non-corrosive materials. In order to design a unit with the strength required, yet maintain its extremely light weight, a special aluminum (EN AW-5083 H111) has been

used. All other components are constructed of stainless steel, aluminum or bronze.

Q13: What standards does the new Miller SafEscape ELITE RDD meet?

A13: The Miller SafEscape ELITE RDD has been tested to and certified according to OSHA, ANSI/ASSE Z359.4-2007, ISO 22159 and the new EN 341:2008 Class A standard as well as EN 1496:2007 Class B. CSA Z259.2.3-99 is in process.

Q14: Can the Miller SafEscape ELITE RDD be repaired?

Q14: Yes. Only the manufacturer or an authorized repair center can make repairs to this product.

Q15: What are the inspection and recertification requirements for the unit?

A15: The Miller SafEscape ELITE RDD does NOT require annual recertification like many competitive units. If the unit has been properly stored and is unused, it does not require recertification for 7 years. The unit must be inspected by the user prior to each use and at least annually by a *Competent Person*. In addition, after 9,842 ft. (3000m) of regular use or after the unit has been used in an emergency rescue situation, the unit must be returned to the manufacturer or authorized repair center for re-certification.

Q16: What are the inspection requirements when the device is used in a training environment?

A16: In a training environment or non-emergency condition, the unit and rope should be inspected prior to each training session and then after 3,280 ft. of descent distance (1000m) for a user weighing 220 lbs. (100kg). In addition, after 9,842 ft. (3000m) the unit should be returned to the manufacturer or an authorized repair center for re-certification. At this level, the unit most likely can be easily repaired and refurbished keeping costs to a minimum.

Q17: What indicates that a unit has reached the descent or lifting limits that require an inspection or re-certification?

A17: There is an Inspection and Product Usage Logbook at the back of the User Instruction Manual that must be used to record all inspection performed on the unit, as well as the total descent or lifting distances and loads placed on the unit. This information can then be used to identify when the limits for re-certification have been reached.

Q18: The new Miller SafEscape ELITE RDD features bi-directional design -- what is this and why is it important?

A18: Bi-directional design relates to the action of the rescue rope. The rope has carabiners on both ends that are used to connect the device to the user. When a user connects to one end of the rope and descends with the unit, the other end of the rope is ascending and readying for the next user to descend. This is very important when expediting an evacuation or rescuing multiple workers from an unsafe location.

Q19: In an emergency situation, how many descents can be made with the Miller SafEscape ELITE RDD?

A19: In an emergency, the total number of consecutive descents is equal to the Total Cumulative descent distance divided by the descent height. The Total Cumulative Descent Distance varies by weight of the user. The chart below defines these totals:

- 2 users » 551 lbs. » 1,312 ft.
- 1 user » 330 lbs. » 3,280 ft.
- 1 user » 220 lbs. » 26,247 ft.
- 1 user » 165 lbs. » 32,808 ft.

Example: A user weighing 220 lbs. and descending 300 ft. can make 87.49 descents or 87 emergency consecutive descents with this unit. At this high usage level, the unit will most likely be worn to the point where replacement, as opposed to repair, will be required.

Q20: What are the anchorage requirements?

A20: Anchorages selected for rescue systems should have strength capable of sustaining a static load, applied in the direction permitted by the rescue system, of at least 3,100 lbs., or meet a safety factor of 5:1 based upon the static load placed on the system when designed, installed and used under the supervision of a Qualified Person.

Q21: How should the Miller SafEscape ELITE RDD be stored?

A21: The unit should be stored in a dry, cool and clean environment that is protected against UV radiation. Contact with acids, corrosive liquids and oils should be avoided. Should the rope become wet, it should be allowed to dry naturally. Do not force-dry with heat sources.

Q22: Can the Miller SafEscape ELITE RDD be cleaned?

A22: Yes. The unit can be cleaned with water and a mild detergent. The device should be positioned so that all excess water drains out. The lifeline can also be cleaned with water and mild detergent. Again, the lifeline then must be allowed to dry naturally (air dried). Do not force-dry with a heat source.

Q23: Is special rope required to be used with the Miller SafEscape ELITE RDD?

A23: Yes. The rope used in the Miller SafEscape ELITE RDD has been especially designed and engineered just for this product and **MUST** be the only rope used. It is designed specifically to pass the new, upcoming EN341/2008 Standard. The 10.5 mm polyamide kernmantle rope is engineered to withstand extremely high compression and tensile strength

forces, resulting in the toughest and most durable rope being used in the descent device market today.

Q24: What rope lengths are available with the Miller SafEscape ELITE RDD?

A24: Standard part numbers have been established for units measuring 50 ft. to 300 ft. in 25 foot increments. Other custom lengths are available upon request.

Q25: What is the *stock designation* for the Miller SafEscape ELITE RDD?

A25: These rescue products are designated *non-stock* and require a 10 day lead-time.

Q26: Is special training required to use the Miller SafEscape ELITE RDD?

A26: Yes. Only users trained on this device or who are under the supervision of a trained professional may use this product.

Q27: Are there any special Miller SafEscape ELITE RDD Kits available?

A27: Yes. There is a special **Wind Energy Kit (SEWPKT/XXXFT)** that includes several key components to aid in a variety of common Wind Energy applications. Additional components included in this Kit:

- Ladder Bracket
- Three (3) Anchor Slings
- Rescue Rope Grab
- Edge Protector
- Three (3) Carabiners
- Kit Bag
- T-Bar
- Pulley
- Accessory Bag

A **Crane Rescue Kit (SECRKT/XXXFT)** is also available, and includes:

- Miller SafeEscape ELITE RDD (SE/XXXFT)
- Rescue Harness
- Cross Arm Strap
- Retrieval Yoke
- Rescue Bag

Q28: Are any of the components included in these Kits available as optional accessories and sold separately?

A28: Yes, all items contained in the Kits can be purchased separately.

Q29: Additional questions/information, who should I contact?

A29: Contact Miller Technical Service toll free at 800/873-5242 or 814/432-2118.

