



Quality Gear for Life

SMC Descending Rings #81600

SEATTLE MANUFACTURING CORPORATION

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SMC Descending Rings are a one-piece aluminum ring which are intended to be placed at the top of a pull down rappel in place of a carabiner in order to facilitate recovery of ropes. Low cost means you don't have to think twice if the situation requires leaving the D-Ring behind. In addition, descending rings are often used creatively in various rescue rigging applications and are important components in the manufacture of many different types of climbing and rescue harnesses.

SMC Descending Rings are manufactured in a 12 step process in order to insure consistent quality, durability and maximum reliability.

SPECIFICATIONS

Model #: 81600
Dimensions: OD 2" - ID 1.5" - 0.3" THICK
Weight: 0.4 oz (11.3 g)
Material: Aluminum
Finish: Natural
3 Sigma MBS: 3,147 lbf (14N)

APPLICATIONS-

- Mountain and Urban Rescue
- Mountaineering and Caving
- Tactical—Military & Law Enforcement
- Big Wall Climbing
- Theatrical & Event Rigging
- Arborist and other work-related

Often used in conjunction with these other SMC Products-
Aluminum Carabiners **Aluminum Pulleys**
Rigging Plates



PLEASE READ WARNINGS AND IMPORTANT INFORMATION ON OTHER PAGE



Descending Rings

FEATURES AND BENEFITS

- Single-piece (non-welded) construction using aluminum provides maximum reliability and strength-to-weight.
- Twelve individual steps are required to make each D-ring:
 1. Blank & form sheet aluminum
 2. Anneal
 3. Form inside of ring
 4. Coin
 5. Wash
 6. Heat-treat
 7. Trim ID
 8. Trim OD
 9. De-burr
 10. Bake
 11. Strength testing
 12. Final Q/C inspection
- *Note: There may be a faint line on the outside of some SMC D-rings. This line is not a crack or flaw but rather is a normal mark resulting from the manufacturing process.*

Minimum Breaking Strength—3 Sigma Test

The Minimum Breaking Strength of all SMC products are calculated using the 3 Sigma Rating System which indicates that 99.73% of the products tested will break at loads above the MBS. SMC products that are certified by Underwriter's Laboratories as meeting NFPA requirements are labeled with the applicable NFPA rating. Typically the SMC 3 Sigma MBS will exceed the labeled NFPA rating.

CARE, MAINTENANCE and RETIREMENT SCHEDULE NEEDS

Always inspect Descending Rings before each use and periodically while in storage. The user, depending upon their specific environment and storage methods, must determine the period between inspections. Inspect for cracks, warping, deep gouges and worn areas, making sure that what may appear to be a scratch is not actually a crack. Look for sharp edges or rough areas that might abrade a rope. After each use, remove all dirt and allow Descending Rings to dry in a warm place before storing. SMC Descending Rings will continue to provide reliable performance only when used safely and properly maintained and stored. It is also suggested that the user maintain a permanent record listing the date and results of every usage inspection.

We recommend the regular inspection of all rescue equipment and strongly suggest retiring gear when any of the following applies:

- 1) Regular inspection reveals warping, cracks, deep gouges or any wear.
- 2) It is physically damaged or no longer functions as when new.
- 3) It has been subjected to an abnormally high loads, such as in a fall or exposed to heat sufficient to alter its surface appearance.
- 4) You are not completely satisfied that it meets the needs of its intended use.
- 5) The history of the gear is unknown or otherwise in question.

WARNING/DISCLAIMER

SMC products designed strictly for rescue, mountaineering or rock-climbing. All of these activities are inherently dangerous therefore any person using these items must obtain qualified instruction prior to using them in any manner. Any person using these items is responsible for their own decisions and actions.

FAILURE TO HEED THIS WARNING or FOLLOW INSTRUCTIONS CAN CAUSE SERIOUS INJURY OR DEATH.

A trusted partner...quality gear for life.

Expert climbers and rescue personnel agree on one thing...there is no better product to count on than one that was made by SMC. Founded in 1967, SMC has a well-deserved reputation for designing and building the best products of un-compromised quality and reliability.

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