



Quality Gear for Life

SMC TR Pulley

#159500

SEATTLE MANUFACTURING CORPORATION

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Looking for a strong, reliable compact and light-weight pulley that is reasonably priced and won't sacrifice efficiency in a mechanical advantage system? Look no further than the new **TR Pulley**. Few if any other pulleys of comparable size and price range manage to deliver this level of performance and reliability and the TR Pulley is frequently being purchased as an upgrade to our very popular CR Pulley.

Despite its diminutive size the TR Pulley easily handles full-sized work loads and is ideally suited for use with the very popular SMC Aluminum Locking D Carabiner. While many people will use the TR Pulley with light weight aluminum carabiners the TR Pulley can be paired up with the SMC Large Steel Locking Carabiner. The bell-shaped top hole allows the carabiner to be rotated freely and completely. A hallmark of SMC pulley designs are the color contrasting aluminum side plates. A durable aluminum sheave is paired with an Oilite Bushing on a zinc-coated axle for reliable performance at a reasonable cost. The Oilite Bushing is self-lubricating and highly wear/corrosion resistant. The MBS and lot number for each pulley is permanently laser-etched into the side plate. Easy to carry and easy to use - this is a great pulley that won't bust your back or your bank. Intended for use with rope up to a maximum size of 1/2".

This pulley is not suitable for use in a tyrolean traverse.

SPECIFICATIONS

| | |
|-----------------|--------------------------|
| Model #: | 159500 |
| Type: | Single |
| Axle: | Oilite |
| Material: | High quality aluminum |
| Dimensions: | 3.03" by 1.75" by 0.905" |
| Weight: | 2.4 oz (68g) |
| Max. Rope size: | 1/2" (13mm) |
| Sheave: | 1-1/4" Aluminum |
| 3 Sigma MBS: | 6,519 lbf (29kN) |

APPLICATIONS-

- Mountain & Urban Rescue
- Work-related
- Fire Rescue
- Mountaineering & Caving
- Tactical—Military & Law Enforcement
- Film & Theatrical Rigging

OFTEN USED IN CONJUNCTION WITH THESE SMC PRODUCTS-

- | | |
|------------------------------------|--|
| Aluminum Locking Carabiners | Lite Alloy Steel Locking Carabiners |
| Mini-Rigging Plates | Swivels |
| Ice Axes | Snow Flukes |
| I Pickets | Superblue Crampons |



PLEASE READ WARNINGS AND IMPORTANT INFORMATION ON OTHER PAGE



SMC TR Pulleys FEATURES AND BENEFITS

- This pulley's compact size and light weight does not mean it is lacking in quality, strength or efficiency.
- The Oilite Bushing is self-lubricating and delivers reliable performance at a cost below that of a pulley manufactured with sealed ball bearings.
- Aluminum sheave and zinc-coated axle contribute to the reliability, efficiency and strength of this pulley.
- Aluminum side plates rotate for easy and secure placement at any point along the rope.
- Designed to work with carabiners as large as the SMC Large Steel Locking Carabiner.
- The bell-shaped top hole will allow a locked carabiner to rotate freely and completely.
- Low profile fasteners help to reduce potential for snagging and hanging up when pulley is being moved.
- MBS and lot numbers for each pulley are permanently laser-etched into side plate.
- Designed for ropes up to 1/2" diameter.

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 your pulleys 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 warping, cracks, 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. Check screws and nuts to make sure they have not loosened. After each use, remove all dirt from side plates and sheaves and allow pulley to dry in a warm place before storing. SMC pulleys will continue to provide reliable performance only when used safely and properly maintained and stored. It is also suggested that the user of this pulley 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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