



RAPTOR SKY HOOK TD

9-1-2020

Indoor and Outdoor Rock-Climbing Prosthetic Accessory

WARNING! Rock climbing, either indoor or outdoor is an extremely hazardous activity that may result in severe injury or death!

Fillauer TRS makes NO Warranties or Guarantees that using the RAPTOR SKY HOOK is SAFE! Use of the RAPTOR SKY HOOK, might result in severe injury or death!

We highly recommend that you use a high-performance prosthesis, capable of supporting your entire body weight, which is designed specifically with this type of activity in mind.

Features: A solid titanium frame with three interchangeable tips, in two durometers of polyurethane rubber (Medium-Black, Hard-Gray) and one solid brass. A stainless-steel wrist component adapter with ½ inch x 20 TPI that accepts “quick disconnect” components. A unique, adjustable, friction pivot system providing the climber with different approach and hold options. Replaceable “O” ring high friction surface shields along critical contact areas. An accessory pack includes and extra set of nylon limiter set screws, an extra set of stainless-steel tip fasteners.

Removing-Changing Tips: Two #8 x 32 TPI stainless steel fasteners are used to install the tips onto the titanium frame with a 3/32-inch Allen Wrench (Included). Always use Blue Loctite ® or equivalent when installing or reinstalling a tip onto the RAPTOR. Install the fasteners carefully so as not to strip out any threads in the titanium frame. Install the fasteners so that they are “flush” to the outside surface of the tip. The solid brass tip can be shaped by the climber if so desired. The softer tip will wear out quicker than the harder tip or brass tip. Replacement tips are available from Fillauer TRS. If the polyurethane is worn off but the internal aluminum tip is not damaged it may be possible to ship back to TRS so that they can be remolded with new materials. Acceptance of the tips for remolding is up to the sole discretion of TRS staff. Please contact TRS directly to inquire about remolding the tips.

RAPTOR Friction Pivot Adjustment: The Ny-lock nut can control the tension and friction on the RAPTOR’s pivot system. Tightening the nuts will increase the friction making it more difficult to pivot the unit, up to a point where the unit could be locked down in a particular angle.



Titanium frame with 2 Nylon Set Screws “Fully Installed”

RAPTOR Angle: The Raptor is shipped with the nylon “angle limiter” set screws installed “fully in” allowing for the RAPTOR to have a full range of “Tilt”. The set screws can be backed out to adjust the RAPTOR’s tilt either forward, backward or both. A 3/32-inch Allen Wrench (Included) is used for this operation. To access the nylon set screws first remove the axle nut. Slide out the axle and spacer washers. Set aside. Using the 3/32 Allen wrench insert the wrench into the nylon set screws and “unscrew” each until desired “tilt” is achieved. To assess the angle of the tilt simply reassemble the unit to “observe” how the tilt angle has been impacted. Repeat process as needed.

“O” Ring Replacement: The protective surface “O” rings (Size 110, 70Buna) can be easily replaced. Extra “O” Rings are available directly from TRS. First remove the “Tip” from the RAPTOR by removing the two 8x32 stainless fasteners that are holding the tip onto the titanium frame. Cut all the worn, old “O” rings away from the titanium frame body using a sharp, razor blade. Install the “O” rings over the tip of the frame, stretching and forcing them all the way to the rear (vertical) segment of the frame first, then continue to install “O” Rings on the two horizontal frame sections. Reinstall the tip using Blue Loctite on the fasteners. Six “O” Rings fit on the vertical section of the frame and four each on the two horizontal sections for a total of 14 “O” Rings per unit/set.