



Quality Gear for Life

SMC MICRO RACK ASSEMBLY



MADE IN USA

Seattle Manufacturing Corporation
6930 Salashan Parkway
Ferndale, Washington 98248
800.426.6251 | www.smcgear.net

WARNING

- YOU COULD BE KILLED OR SERIOUSLY INJURED IF YOU DO NOT READ AND UNDERSTAND THE USER INFORMATION BEFORE USING THIS PIECE OF EQUIPMENT.
- SPECIAL TRAINING AND KNOWLEDGE ARE REQUIRED TO USE THIS EQUIPMENT.
- YOU MUST THOROUGHLY READ AND UNDERSTAND ALL MANUFACTURER'S INSTRUCTIONS BEFORE USE.
- USE AND INSPECT THIS EQUIPMENT ONLY IN ACCORDANCE WITH THESE INSTRUCTIONS.

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137099

Information for your permanent records:
Date of Purchase: _____
Purchased From: _____
Part Number: _____

BEFORE USE

The techniques employed in the proper and safe use of this equipment may only be learned through PERSONAL instruction received from an instructor who is well-qualified in all phases of vertical rope work. Such instruction will include an evaluation of your comprehension of, and ability to perform, the tasks required to safely and efficiently use this equipment.

Never attempt its use until you have received such instruction and are believed competent by your instructor.

This device is designed to be used with rope diameters ranging from 7mm to 12.5mm.

This rack has an MBS range of 8kN to 22kN which is dependent on the rope diameter used.

INSPECTION FOR USE

Visually and by touch, inspect this Rappel Rack for cracks, distortion, corrosion, scratches or gouges, sharp edges or rough areas that might abrade a rope. Compare this Rappel Rack with a new model if necessary to determine its condition. Remove each part from service if there is any doubt about its safety or serviceability.

MAINTENANCE AFTER USE

Carefully clean and dry this Rappel Rack to remove all dirt or foreign material and moisture. Minor sharp edges may be smoothed with a fine abrasive cloth, before cleaning. Store in a clean, dry place.

REMOVAL FROM SERVICE

This Rappel Rack should be removed from service if it has been dropped, or exposed to heat sufficient to alter its surface appearance, or if distortion of any part is apparent, or if any cracks are apparent, or if it has scratches or gouges of more than a superficial nature. The cost to inspect and repair a Rappel Rack that is visually damaged, or that may have been damaged by impact loading or other abuse, will exceed the cost of its replacement with a new model.

RECORDS

It is suggested that the user of this Rappel Rack keep a permanent record listing the date and results of each usage inspection. Such record should show, as a minimum, inspection for all of the following conditions:

- Cleanliness
- Dryness
- Freedom from scratches, gouges and sharp edges
- Freedom from corrosion
- Freedom from distortion
- Excessive wear on brake bars from rope friction
- User Information sheet present

USE OF THIS USER INFORMATION SHEET

It is suggested that this User Information sheet be retained in a permanent record after it is separated from the Rappel Rack, and that a copy of it be kept with the Rappel Rack.

It is suggested that the user refer to this User Information sheet before and after each use of the Rappel Rack.

LIFESPAN

The service life of Rappel Racks are largely dependent on the type of use and the environment used in. Under moderate use, with limited exposure to moisture, salt water, corrosive agents, excessive loads, shock loading and excessive wear, Rappel Racks may last many years. However, many events such as taking a large dynamic load, dropping, or other events which cause physical damage, can reduce the lifespan of this Rappel Rack dramatically.

You must inspect your Rappel Rack frequently and take personal responsibility for evaluating its condition and retiring unsafe gear. Inspection is extremely important, but visual inspection only will not assure that damage has not occurred. If history of the Rappel Rack is unknown or if based on the history of the use of this Rappel Rack there is any doubt regarding the safety of this Rappel Rack, it should be removed from service. You should destroy retired gear to prevent future use.

LIMITED WARRANTY

SMC products are warranted to the original retail purchaser in accordance with the full Statement of Limited Warranty printed on our web site, www.smcgear.net. Items that are claimed to be defective must be returned under a pre-assigned Return Authorization/CC Number and should include a detailed description of the conditions existing during use of the item, the place and date of the original purchase as well as a copy of the original invoice or receipt. Items being sent in for inspection may or may not be returned if the product in question is deemed potentially unsafe or non-functional.

SETUP FOR USE

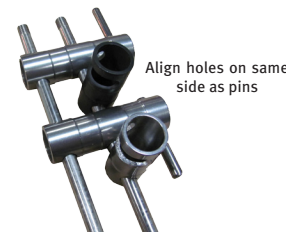
Before every use of your rappel rack you should physically and visually verify that the rappel rack is assembled correctly. A correctly assembled rappel rack will be assembled as followed from top to bottom:

1. Two Hex Nuts
2. Tie-off Bar with pin pointing up
3. Black Straight Slot Bar
4. Tie-off Bar with pin pointing down
5. Stainless Angled Slot Bar



When inspecting or reinstalling brake bars, you will want to assure that the Black Straight Slot bar and Stainless Angled Slot bar holes are aligned on the same side of the U-Rack as the Tie-off bar pins (see Fig. 1 below).

Fig. 1



When inspecting or installing new bars on your rappel rack make sure the two hex nuts are properly secured (see Fig. 2).

When installing brake bars you will install them from bottom to top in the following order:

1. Stainless Angled Slot Bar
2. Tie-off Bar with pin pointing down
3. Black Straight Slot Bar
4. Tie-off Bar with pin pointing up
5. Two Hex Nuts

Fig. 2 Tighten the hex nuts with a wrench so that they both contact the Tie Off bar evenly and the nylon portion of the hex nut is fully engaged, one complete thread should protrude past the nylon.

Fig. 2



Fig. 3 All bars must be arranged in this manner so that when the rack is connected to a rope, that the rope will contact each bar on the opposite side of the slot.

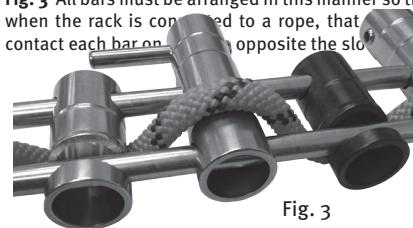


Fig. 3

Micro Rack Tie-Off Methods:

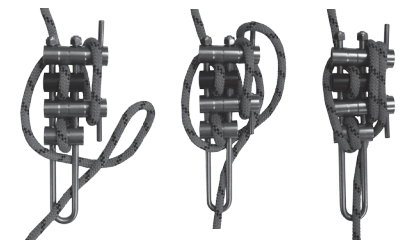
Type I: (Fast Tie-Off)

Step 1: From the normal operating position, wrap the tail end of the rope around both Tie-Off Bars increasing the friction until there is no tension on the tail—this is usually about one to two wraps.

Step 2: Bring the tail end of the rope around the leading end of the rope (where the leading end contacts the first Tie-Off Bar).

Step 3: Push a bite of rope through the legs of the frame beneath the bottom Brake Bar.

Step 4: Make a half twist clockwise in the bite of the loop and wrap the loop around the top Tie-Off Bar. Pull tight.

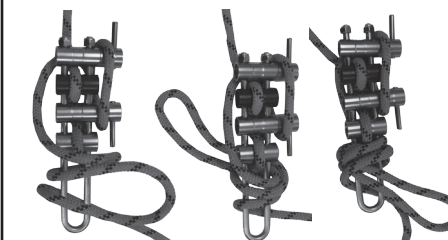


Type II: (Secure Tie-Off)

Step 1: From the normal operating position, wrap the tail end of the rope around both Tie-Off Bars increasing the friction until there is no tension on the tail—this is usually about one to two wraps.

Step 2: Bring the tail end of the rope around the leading end of the rope (where the leading end contacts the first Tie-Off Bar).

Step 3: Take a large bite of rope and tie an Overhand Knot around the entire Brake Rack frame below the bottom Brake Bar. The loop of the Overhand Knot should finish towards the bottom of the Brake Rack.



This set up and tie off information is not a substitute for the personal instruction which each user must receive, as described above. Any attempt to use an improperly rigged rappel rack can result in the sudden loss of all braking action, resulting in serious injury or death.

If you do not completely understand any of the outlined user instruction provided on this sheet or if you have any questions please contact SMC at 360-366-5534 or info@smcgear.net

