



Quality Gear for Life

THIS FIGURE 8 WITH EARS MEETS  
NFPA STANDARD 1983 (2012 ed.)  
RATED FOR "T" Technical USE 13.5kN

Rope Ø 9.5mm to 12.5mm

&

RATED FOR "G" GENERAL USE 22kN

Rope Ø 11mm to 16mm

Made in the 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 INSTRUCTION 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.

THIS SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 1983 (2012 EDITION.)

Manufactured by  
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128712G

Information for your permanent records:

Date of Purchase: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Part Number: \_\_\_\_\_



**SUPPLEMENTAL NFPA INFORMATION**

EMERGENCY SERVICES AUXILIARY  
EQUIPMENT IN ACCORDANCE WITH NFPA  
20JF 1983-2012.

THIS FIGURE 8 MEETS THE AUXILIARY EQUIPMENT REQUIREMENTS OF NFPA 1983, STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES, 2012 EDITION.

THIS SMC FIGURE 8 WITH EARS HAS PASSED THE MINIMUM BREAKING STRENGTH AND HOLDING LOAD TEST USING THE FOLLOWING ROPES:

- (BlueWater Ropes, SafeLine, P/N 534660, 9.5mm)
- (Sterling Rope, SafetyPro, P/N SP110, 11.0mm)
- (PMI, Classic Pro Max, RR160BW001E, 16.0mm)

Also performs with similar ropes made by other technical rope manufacturers.

This devise is designed to be used with rope diameters ranging from 9.5mm to 16mm. When tested with 9.5 to 12.5mm ropes, the devise is rated "T" for technical use loads with an MBS of 13.5kN. When tested with 11 to 16mm ropes, the devise is rated "G" for general use loads with an MBS of 22kN.

**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.

**INSPECTION FOR USE**

Visually and by touch, inspect this Figure 8 for cracks, distortion, corrosion, scratches or gouges, sharp edges or rough areas that might abrade a rope. Compare this Figure 8 with a new model if necessary to determine its condition. Remove it from service if there is any doubt about its safety or serviceability.

**MAINTENANCE AFTER USE**

Carefully clean and dry this Figure 8 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 Figure 8 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 Figure 8 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.

## ADDITIONAL INFORMATION

Additional information regarding this type of equipment can be found in the following publications:

NFPA 1500, *Standard on Fire Department Occupational Safety and Health Program*  
NFPA 1983, *Standard on Life Safety Rope and Equipment for Emergency Services.*

## RECORDS

It is suggested that the user of this Figure 8 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
- 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 Figure 8, and that a copy of it be kept with the Figure 8.

It is suggested that the user refer to this User Information sheet before and after each use of the Figure 8.

## RIGGING

Figure-8 rigged for normal use



Single Rope



Twin Rope

## TIE – OFF METHOD

Step 1 - Bring tail of rope behind Figure 8



Step 2 - Form a long bite from the rope tail and bring it across the front of the Figure 8



Step 3 – Form an overhand knot around the Figure 8



Step 4 – The loop of the overhand knot should finish towards the bottom of Figure 8



## ALTERNATE RIGGING METHODS

Single rope double wrap - use when the need for additional friction or control is anticipated.



Single rope high friction - use when more friction or control is needed and it is not feasible to stop and rig a double wrap.



## LIFESPAN

The service life of Figure 8's is 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, Figure 8's 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 Figure 8 dramatically.

You must inspect your Figure 8 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 Figure 8 is unknown or if based on the history of the use of this Figure 8 there is any doubt regarding the safety of this Figure 8, 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](http://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.

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](mailto:info@smcgear.net)