Designed by rescue professionals for rescue professionals.

RQ3 Lightweight Cliff Picket
RQ3 Picket Anchor Plate
RQ3 Picket Driver/Puller

RQ3 Picket System

KT1750

The Anchor Plate and the Cliff Picket strengths listed below are individual strengths not system. The RQ3 Picket Driver is designed to be used with RQ3 Cliff Pickets only.

WARNING

Anchor Plate: 12,000 lbs (kn)

Cliff Pickets: A picket will show deflection of 1 inch at 2,000 lbs (26.68kn)

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Made in USA

WARNING

BEFORE USE

It is the responsibility of the purchaser and user of this product to:

- Learn through PERSONAL instruction from a Rescue Training Instructor who is well-versed in all phases of technical rope rescue. Never attempt to use this product until you have received such instruction and are deemed competent in its use by your instructor.

- Determine if the product is suitable for its intended use and that it meets all applicable standards and regulations.

- Read all the product instructions and labels and follow them.

- Use good judgment and do not exceed the limitations of the user's skill or the equipment.

INSPECT AND USE OF THE PRODUCT

It is the responsibility of the purchaser and user of this product to:

- Inspect the anchor plate and pickets immediately after purchase and before each and every use for cracks, distortion, corrosion, or gouges, sharp edges or rough areas that might abrade your rescue rope. If any of these defects are present, retire this product.
- In addition, do not expose product to flame or high temperatures and carry product where it will be protected as it could melt or burn and fail if exposed to flame and high temperature.
- Use adequate safety precautions when using this product. Practice risk management at all times.
- Do not alter the product in any way.
- Return auxiliary equipment to the manufacturer or to a qualified inspection person/center if the equipment is dropped or impact loaded.

REPAIRS

- It is the manufacturer's recommendation that all repair work be done by the manufacturer. Any and all other repair work will release the manufacturer and Rescue Source from all liability and responsibility.

MAINTENANCE AFTER USE

It is the responsibility of the purchaser and user of this product to:

- Carefully clean pickets, anchor plate and picket driver to remove all dirt or foreign material. Dry the pickets and anchor plate to remove all moisture. To prevent rust, the pickets should then be lightly coated with an multi-use oil before storing.

- Return auxiliary equipment to the manufacturer or to a qualified inspection person/center if the equipment is showing signs of visibly damaged or impact loaded.

- Rescue Source recommends use of a maintenance log on this and all technical rescue equipment. It is also recommended that this information sheet be retained in a permanent record and a separate copy kept with this product and reviewed before and after each use. Failure to follow these instructions could result in serious injury or death.

USE

Our pickets are designed to be used in situations where there are no other suitable anchors available.

The user must determine the overall system strength based on the following factors, angle of the load, soil types, depth and angle of the pickets.

RQ3 Lightweight Cliff Picket

The RQ3 Lightweight Cliff Pickets are designed to be used when there are no rocks, trees or man-made anchors available. Our 3-picket system is capable of holding thousands of pounds of load. Made from 1-inch DOM steel tubes, cut to lengths then hand-sanded and de-burred. The head and points are TIG welded together with a V-notch to ensure full penetration of each weld. We also use a custom-made tube turning machine and hand-weld each picket while the tube is turned for maximum strength.

Third party tested by Northwest Labs of Seattle Inc.

Weight: 5.9 lbs.
Length: 48″
A picket will show deflection of 1 inch at 2,000 lbs. (26.68kN)

RQ3 Picket Anchor Plate

The RQ3 Picket Anchor Plate provides optimum spacing for the pickets and eliminates the need to use webbing to tie one picket to another. On the end of the anchor plate is the attachment point, which is raised for easy access. Only use this attachment point for the load. The RQ3 Picket Anchor Plate was specifically designed to work with the RQ3 Cliff Pickets.

Features:

- Five picket holes
- One anchor attachment point
- One raised end for easy access to webbing and anchor attachment points

Strength: 12,000 lbs (53 kN).
Length: 35″
Weight: 3.1 lbs

Use of the RQ3 Picket Anchor Plate

Drive three pickets into the picket holes provided on the anchor plate (See Figure B). Drive the pickets two-thirds of their length into the ground leaning away from the load at a 15 degree angle from vertical (See Figure C). Only use the attachment point at the end of the anchor plate for the load (See Figure B).

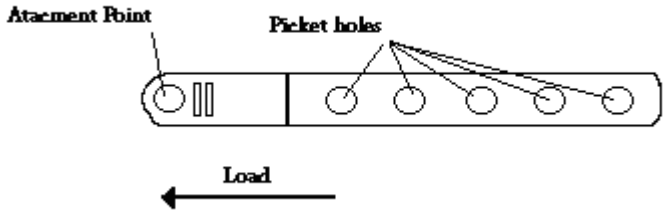


Figure B

RQ3 Picket Driver/Puller

The RQ3 Picket Driver is designed to make installing picket systems as efficient and safe as possible and quick removal when done. The RQ3 Picket Driver is made of two inch diameter, eighth inch thick, drawn over mandrel steel tubing. The 18 inch body keeps the picket aligned with the direction of each drive-stroke, ensuring every strike drives the stake deeper into the ground without any energy wasted to the sides. The driver handles are bent at right angles and MIG welded to the body at right angles, allowing for numerous different holds on the driver to maximize user ergonomics and the force of each blow. The weighted end cap is 2 ½ inches wide and welded using the TIG method. Weight in the cap end increases the force of each strike delivered by the user, reducing the overall number of strokes required to sink the stake. Fewer strikes delivered along the full length of the picket, rather than off-angle, extends the life of the stake an estimated ten times longer than a picket driven with a sledgehammer or post driver. When the anchor system is no longer needed the device becomes a puller for the pickets.

Simply slide the slot over the picket head and strike the head of the picket in an upward motion.

The RQ3 Picket Driver/Puller is designed to be used with RQ3 pickets only manufactured after February 2016. Other pickets may damage the Picket Driver/Puller head and void the warranty.

Weight: 11.2 pounds
Length: 18 inches long

Note: Manufacturer recommends taking a Rope Rescue class from a Rescue professional before use.

Picket Use with Webbing

If you are not using the RQ3 picket plate, space three pickets approximately 3 feet apart at the angle previously described (See Figure D). To strengthen the system and minimize movement, tie the pickets together using 1 inch webbing or rope. First, tie the webbing at the bottom of the rear picket (as close to the ground as possible) with a Clove Hitch and then wrap it around the top of the next picket and repeat as needed on the next pickets (see Figure D). To tighten the system, place a sturdy stick or rod between the pickets and twist the webbing until the top of the front picket starts to move back toward the rear picket. Back off slightly and then secure the rod into the ground**.**

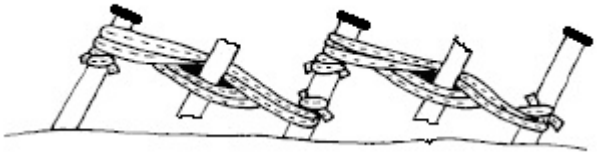
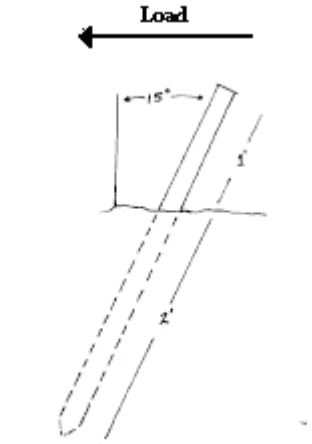


Figure D



Optimal Angle

Important information

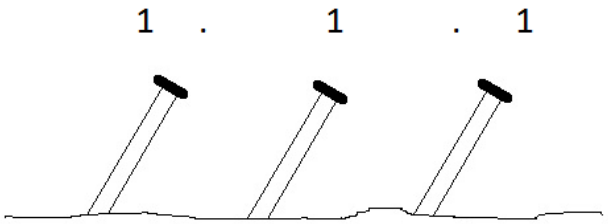
For reference, The US Army Rigging Manual

A single picket, either steel or wood, can be driven into the ground as an anchor. The holding power depends on the:

- Diameter and kind of material used.
- Type of soil.
- Depth and angle in which the picket is driven.
- Angle of the guy line in relation to the ground.

Loading picket anchor systems in average loamy soil: Multiply the estimated strength of the picket system by the soil factor to obtain the new estimated strength. Because of the wide variation in soil types allow margin for error. Use the following factors to adjust for wet soil: clay and gravel mixtures 0.9; river clay and sand 0.5

This system is to be used in a 1.1.1 configuration (see Figure A).



(Figure A)