

Rescue Quick Drills

POCKET TOOLS TRAINING



March 2012

Rescue Training

Daily Quick Drills –
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Watch the Video:
Constructing an 1-1-1 Picket
System –
http://www.ncdoi.com/OSFM/RPD/PT/Ask_Vince.aspx
(Copy into browser window)

References:

TR: General: LP1
Rescue Rigging, 2

NFPA 1006, 2008 JPRs

Picket System

Drive pickets into the ground approximately two-thirds their length at an angle of 15 degrees away from the force to be anchored.

When using a combination of pickets, they should be driven into the ground at a distance apart approximately equal to their length. Pickets should never be less than three feet apart. When using a combination of pickets, they should be lashed together with a 1/2" x 25' - 50' rope.



Start the lashing with a clove hitch in the center of the rope near the top of the first picket. Make as many turns as possible around the first and second picket, going from the top of the front picket (primary anchor) to the bottom of the back-up picket (secondary anchor).

Secure the lashing with two half hitches on the lashing between the two pickets.



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Picket System



Take a short steel rod for use as a spinner rod (minimum 2' by 3/8" diameter), and put it through the turns of the lashing rope, twisting until the lashing is tight, and then drive the short picket into the ground.

A short piece of PVC pipe (minimum 1 1/4" diameter) can be used as a buffer between the spinner and the rope.

Sample picket configurations and their load capacities when constructed in average soil:

Single Picket System - 700 pounds.

1:1 Combination - 1400 pounds.

1:1:1 Combination - 2000 pounds.