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## Lanyard In-line with Climbing Rope

Posted by JimK - 08/18/2006 11:21pm

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Because two lanyards allow for advancement, I experimented with forming them out of the climbing rope. This method explores the use of an in-line knot that attaches directly to the side-D. This same attachment knot functions as a friction hitch for feeding the lanyard out. This method is a variation of Joe Maher's "Third Rope". It differs in that the two knots required for the "Third Rope" are replaced with one. More significantly, this method eliminates the need for a carabiner at the first side-D attachment. Lanyards are quickly formed out of the climbing rope without juggling carabiners. It also eliminates stowing lanyard line. A standard lanyard requires two carabiners. This requires only one. In a nutshell, it requires less gear and offers more flexibility.

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## How to Tie This In-line Lanyard

Posted by JimK - 08/18/2006 11:23pm

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This is an experimental method and needs to be treated as such.

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## PICS PLEASE

Posted by Icabod - 08/19/2006 07:43am

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HUH.

Jim can you get a pic of you resting on this perhaps at ground level? Maybe get one from both sides, and from your eye view. I'm lost.

Icabod

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## More Pics

Posted by JimK - 08/19/2006 09:16am

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Icabod, Thanks for alerting me that it wasn't clear.

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Posted by JimK - 08/19/2006 09:19am

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The big advantage to this method is that multiple lanyards are easily created from the climbing rope without adding gear. Two lanyards make advancement in the canopy easier.

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Posted by JimK - 08/19/2006 09:22am

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This is what two lanyards would look like on the side-D.

I regard this method as experimental. It functions similar to Joe Maher's "Third Rope".

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Posted by JimK - 08/19/2006 02:36pm

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These are easy options for adding friction or a stopper.

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Posted by JimK - 08/20/2006 10:12pm

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Tonight I climbed about twenty feet with two of these in-line lanyards. After trying it many times, the slip knot placed in front of the attachment knot is essential. It adds the needed friction to prevent slipping. Moreover the system becomes self tending when slack is taken up.

This system fits with the climbing needs. It can be tied during the ascent, replacing one of the safety slip knots.

It unties with a steady pull of the down rope, because it's a series of 3 loops.

The big benefit remains: the climbing rope can be used to make multiple lanyards, allowing a more efficient advancement.

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Posted by JimK - 08/21/2006 06:41pm

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Hi Spiderman,

To add friction, a slip knot is formed on the existing loop. In a slip knot loop, one side is stationary and the other side moves. This is how to form the knot that you're talking about: 1) form a loop on the stationary side 2) pull the moving side through.

Once you hit on the correct sequence, you'll see that you can continue to add multiple slip knots along the way. The other sequence is simply a hard knot and nothing moves.

I'll be glad to make a photo if that helps.

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