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Is this a known method of splicing a continuous loop?



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Thread: Is this a known method of splicing a continuous loop?

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04-27-2021, 00:01

#1

correcthorsebatterystaple

New Member

Join Date: Jul 2016

Location: Bangor, ME

Posts: 6

Is this a known method of splicing a continuous loop?

Hey,

Tried to splice a continuous loop, got stuck, and made something up. Hung on the result a few times and haven't fallen yet. Curious whether this is a known technique, or if people can see any obvious problems.

Was trying to splice myself a continuous loop per the L-36.com instructions:

<https://l-36.com/loop.php>

But I got stuck when it came time to pull the end past the halfway point:

https://l-36.com/image/loop_loop17.jpg

The overlap was too tight. I couldn't get a second thickness of amsteel down the center with the other end already in that space.

So instead I took the two ends as they emerged from the "sheath" at the halfway point

https://l-36.com/image/loop_loop10.jpg

and I did another end to end long splice. Now I have the main loop, and then the ends coming out and making a little continuous loop. I did the Grützner v. Tethrd

Ex. 1036

tapering to reduce this second end to end splice down to the single thickness of amsteel, and milked the sheath until the little loop got all the way in.

Put another way: instead of doing the overlap as instructed with the ends side by side, I did the overlap with each end diving into the other.

At first the two loops were not exactly the same size. The inner loop was smaller, and the outer "sheath" loop wasn't bearing load. After I massaged the loop a lot, I got the inner loop to slip a bit and even out the two loops. (In a way, this experience has made me a lot less concerned about lockstitching my splices. It takes a lot of work to make the splice slip!)

If I did it again, I'd err on the side of making the inner loop bigger, because you can easily make the outer splice slip.

Anyway, does this sound safe? It's certainly a lot easier than the published method.

(If you're wondering why I bother with the overlap at all, it's mostly for fun. I like the look of the constant thickness, and the idea that I'm getting the most out of whatever thickness of amsteel I've used.)

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04-27-2021, 05:37

#2

cmoulder 

Donating Member



Join Date: Nov 2017

Location: Ossining, NY

Hammock: DH Darien, SLD Tree Runner

Tarp: HG hex

Insulation: Timmermade, Revolt

Suspension: Kevlar, Lapp Hitch

Posts: 4,940

Images: 356

Well it's 'out there' so it is technically 'known' I suppose. But it is definitely the most convoluted process I've seen yet.

Hard to know without seeing the actual process if your variant is safe.

Much easier is the locked brummel method demonstrated [HERE](#) by Tac Blades. I've made and hung many a night from these with no problems.

[Five Basic Principles of Going Lighter](#) (not me... the great Cam Honan of OZ)

Ex. 1036
Crüzr v. Tethrd

"If everybody is thinking alike, then somebody isn't thinking." ~ Gen. George S Patton

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04-27-2021, 05:41

#3

BuckeyeFan 

Senior Member



Join Date: Dec 2014

Location: Warrenton, VA

Hammock: Dutch Chameleon or DIY Robic XL

Tarp: Superfly

Insulation: DIY UQ & CDT TQ

Suspension: Whoopie Slings

Posts: 495

Definitely use Tac Blades method.

Sent from my XT1650 using Tapatalk

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04-27-2021, 16:43

#4

cmoulder 

Donating Member



Join Date: Nov 2017

Location: Ossining, NY

Hammock: DH Darien, SLD Tree Runner

Tarp: HG hex

Insulation: Timmermade, Revolt

Suspension: Kevlar, Lapp Hitch

Posts: 4,940

Images: 356

One thing to note is that the OP's reference is sailing oriented, and in that situation I can appreciate how a continuous loop with full, doubled strength all the way around might be the norm. Not so for hammock use.

[Five Basic Principles of Going Lighter](#) (not me... the great Cam Honan of OZ)

"If everybody is thinking alike, then somebody isn't thinking." ~ Gen. George S Patton

Ex. 1036
Crüzr v. Tethrd

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05-02-2021, 13:28

#5

nanok 

Senior Member

Join Date: Sep 2018

Location: old dirt

Posts: 461

 Originally Posted by **cmoulder** 

Well it's 'out there' so it is technically 'known' I suppose. But it is definitely the most convoluted process I've seen yet.

Hard to know without seeing the actual process if your variant is safe.

Much easier is the locked brummel method demonstrated [HERE](#) by Tac Blades. I've made and hung many a night from these with no problems.

beware though, although it looks like a locked brummel, it actually is not (it pulls apart without any effort), so the way it is presented in this video the two passed that look like a brummel are basically not doing anything. that's okay as long as you're aware, and ideally lock stitch the loop so it doesn't come apart on you in time.

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05-02-2021, 14:30

#6

nanok 

Senior Member

Join Date: Sep 2018

Location: old dirt

Posts: 461

btw, welcome to the forum, and thank you for the link to this method. though i know I-36, i hadn't seen this one, it is superb (as usual from him)

i'm not entirely sure i understand what you did there exactly, but it sounds rather interesting. as others have said, strength wise you probably don't need to worry for hammocking purposes (in the worse case you'll be closer to 2x line strength instead of 4x, that's most likely fine, unless you're using dyneema line under 2mm, or something that's not dyneema), bust perhaps it's an interesting method you came up with (i'd have to try and replicate both methods before i can comment further)

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05-02-2021, 16:18

#7

Macca 

New Member

Join Date: May 2020

Location: UK

Here's the locked brummel method.

<https://youtu.be/DUSYUsWprc8>

Ex. 1036
Crüzr v. Tethrd

Posts: 34

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05-05-2021, 14:25

#8

nanok 

Senior Member

Join Date: Sep 2018

Location: old dirt

Posts: 461

 Originally Posted by **Macca** *Here's the locked brummel method.*<https://youtu.be/DUSYUsWprc8>

yeah, that's an actual locked one. and he's good, he seems to take care to do his research and not cause confusion. i'd only object to the tapering part, and measurements in inches instead of line diametres, but otherwise it's solid.

i got a chance to look carefully at I-36 and grok the difference to what you (OP) did: my impression is that, if you managed to make that second long splice (must be a mighty big continuous loop), and to get it tapered so it doesn't bulge much, then it should be fine. the challenge i see is equalizing the core and the sheath, as you "milk them back in", which if i understand correctly is exactly what you found, in this respect it seems harder to do than the original instructions (?), but if you managed it, then it should be rock solid. i'd still lock stitch it though. you do need to lock stitch such things, unless it's constantly loaded (i find it somewhat funny that of all splice users, us hammock campers are the ones who never lock stitch, and we seem to need it the most, as we typically tend to "pack and unpack", so fold,load, repeat, the most, much more than sailors i suspect.

still, i like it (both versions). i don't like continuous loops and don't use them at all, but this i might like, it seems "proper"

Last edited by nanok; 05-05-2021 at 14:33. Reply With Quote

05-05-2021, 16:28

#9

cmoulder *Donating Member* Originally Posted by **nanok** 

beware though, although it looks like a locked brummel, it actually is not (it pulls apart without any effort), so the way it is presented in this video the two passed that look like a brummel are basically not

Ex. 1036
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Join Date: Nov 2017

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Posts: 4,940

Images: 356

doing anything. that's okay as long as you're aware, and ideally lock stitch the loop so it doesn't come apart on you in time.

Originally Posted by **Macca**

Here's the locked brummel method.

<https://youtu.be/DUSYUsWprc8>

Thank you, and I stand corrected. I do hate to pass along bad info. 🙄

I made a pair per Triple Nickel demo and there's no doubt they are stronger and will hold even without burying the tag ends. However, I've made (without lock stitch) and used the Tac Blades style for many a night with no slippage whatsoever. I'd guess, however, that larksheading it into a hammock channel provides a lot of extra friction and ensures its integrity.

But going forward I plan to use an *actual* locked brummel! 😊

[Five Basic Principles of Going Lighter](#) (not me... the great Cam Honan of OZ)

"If everybody is thinking alike, then somebody isn't thinking." ~ Gen. George S Patton

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05-05-2021, 18:29

#10

Macca

New Member

Join Date: May 2020

Location: UK

Posts: 34

Originally Posted by **cmoulder**

Thank you, and I stand corrected. I do hate to pass along bad info. 🙄

I made a pair per Triple Nickel demo and there's no doubt they are stronger and will hold even without burying the tag ends. However, I've made (without lock stitch) and used the Tac Blades style for many a night with no slippage whatsoever. I'd guess, however, that larksheading it into a hammock channel provides a lot of extra friction and ensures its integrity.

*But going forward I plan to use an *actual* locked brummel! 😊*

The TacBlades version will actually give you 200% line strength but with the theoretical possibility that the burys could back out.

The locked brummel method is only 90/100% line but cannot have the burys back out.

In reality, I think the TacBlades version is just fine. Actually deliberately backing out one of the burys is difficult enough to do and I don't think that is ever going to happen when under load.

To test one out, I made a TacBlades version a few months ago and have been using it as a connection point on my homemade cable machine in the garage gym ever since. It's been loaded and unloaded several times a week for the best part of 4 months and is still in one piece with no signs of the burys backing out...

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Ex. 1036

Cruzr v. Tethrd

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