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Continuous loop bury length question.



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Thread: Continuous loop bury length question.

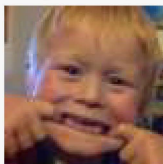
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04-21-2012, 06:05

#1

Roe Ring

Senior Member



Join Date: Mar 2011

Location: North Wales, UK

Hammock: WBBB 1.7DbI

Tarp: Superfly

Insulation: Incubator & Burrow

Suspension: Whoopie&Dutchstuff

Posts: 187

Continuous loop bury length question.

I recently made a continuous loop as per Opie's pictorial and am pleased with how it turned out.



But it does seem that it is just the constriction on the buries that does all the work. The

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discussion that followed Opie's tutorial mentions the locked brummel version of the same loop but without pictures show the difference.

Having just bought my BB and also some whoopies with Dutch hooks and continuous loops from Dutch himself, I notice the both Dutch and Brandon use a different method for C/loops that I assume is the locked brummel version.



Here is Brandon's loop attached to the WB webbing suspension. There is a defined bump at the splice joint.

The next pic is of Dutch's loops again with a defined bump at the joint.



Assuming these are both locked brummel versions of a c/loop, the main difference between these and one from Opie's pictorial is the bury length. Opie's uses two 6" buries where as Dutch's has just 2.5" buries. Brandon's are a little longer but still quite short. This is a pic of Dutch's loop, with the pencil showing the end of the bury.



From a newbie splicer point of view, I am thinking that Opie's version relies on constriction of the buries, while Brandon and Dutch's versions provide a physical lock in the loop, and the short buries are just to tidy away the loose ends, therefore bury length is not critical. Is this true?

If so, then when constructing a locked brummel c/loop, is the loop just a large fixed eye with the standing and tail ends buried? I don't want to pull one apart incase I can't put it back together again.

Sorry for the long winded question. Hopefully it will help to clarify the differences between the two.

Thanks

Mark

04-21-2012, 06:20

#2

Pipsissewa

Senior Member



Join Date: Jan 2010

Location: Yancey Co., NC - Home of Mt. Mitchell

Hammock: Too many to list**Tarp:** Cuben with doors**Insulation:** FlThwr UQ+DIY TQ**Suspension:** Whoopies + straps

Posts: 1,741

Images: 7

I can't add much to this discussion other than Opie's tutorial on the locked brummel. Click [here](#)

I guess a brummel is a fixed loop at the end of line (lollipop) and a continuous loop is a circle spliced on itself with no tail? ... ??

"Pips"

Mountains have a dreamy way
Of folding up a noisy day
In quiet covers, cool and gray.

---Leigh Buckner Hanes

Surely, God could have made a better way to sleep.

Surely, God never did.

04-21-2012, 06:27

#3

silverbullet

New Member

Join Date: Mar 2012

Location: Germany North Rhine West

Posts: 10

To be on the safe side with a continuous loop bury, you can sew through the bury and the 'hidden' part in it. I guess it performs the same security as with the locked brummel but you have to use different materials and tools for the same job.

look through my eyes:

<http://flickrhivemind.net/User/deandare06/Interesting>

04-21-2012, 07:58

#4

Redoleary ◉

Senior Member



Join Date: Feb 2009

Location: Pennfield Twp, MI

Hammock: DIY gathered end**Tarp:** Hinterland gear**Insulation:** down bag**Suspension:** strap & E.T.'s

Posts: 3,912

Images: 70

A locked brummel still derives its strength from the bury not from the brummel. The brummel just keeps it from coming apart long enough for the bury to do its work. The 6" burys are probably text book burys ie: 52 times the diameter (2.5 fids) or there abouts. Truthfully a smaller bury is probably acceptable but longer is better.

Good luck,
RED

My Youtube Channel

Deep peace of the running wave to you.
Deep peace of the flowing air to you.
Deep peace of the quiet earth to you.
Deep peace of the shining stars to you.
Deep peace without end to you.
adapted from - ancient gaelic runes

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04-21-2012, 08:53

#5

gmcttr ◉

Senior Member

Join Date: Jan 2011

Location: IN

Hammock: WBRR, Lots of DIY**Tarp:** MacCat; Cloudburst**Insulation:** Lynx, HG T/UQ, AHE**Suspension:** Varies

Posts: 8,464

Red is correct and a locked brummel works very well for a fixed eye.

In my opinion, a locked brummel in a continuous loop is a poor choice. A locked brummel cannot be properly made in this application. The ends have to be folded back the wrong direction forcing the locked brummel to do all of the work while the buries do none of the work. This is opposite of how a locked brummel is designed to work.

Stay with the plain brummel in the tutorial. It is the "tried an true" method to make a continuous loop.

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04-21-2012, 09:47

#6

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Roe Ring ◉

Senior Member



Join Date: Mar 2011

Location: North Wales, UK

Hammock: WBBB 1.7DbI**Tarp:** Superfly**Insulation:** Incubator & Burrow**Suspension:** Whoopie&Dutchstuff

Posts: 187

Originally Posted by **Pipsissewa** ◉

I can't add much to this discussion other than Opie's tutorial on the locked brummel. Click [here](#)

I guess a brummel is a fixed loop at the end of line (lollipop) and a continuous loop is a circle spliced on itself with no tail? ... 🤔

Thanks Pipsissewa, I did look at Opie's locked brummel and have used it a couple of times. If you imagine going one step further and burying the remaining length of line, you would end up with a continuous loop, with the loop bit being what would have been the fixed eye. This is what I think Brandon and Dutch have done. I still can't understand how critical the bury length is though.

Edit: sorry, I have since made a loop with the locked brummel and my comment above doesn't really ring true. Both tails need to be bent back on themselves when buried.

Atb

Mark

Last edited by Roe Ring; 04-21-2012 at 11:07. Reason: Additional info.

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04-21-2012, 10:36

#7

gmcttr ◉

Senior Member

Join Date: Jan 2011

Location: IN

Hammock: WBRR, Lots of DIY**Tarp:** MacCat; Cloudburst**Insulation:** Lynx, HG T/UQ, AHE**Suspension:** Varies

Posts: 8,464

Originally Posted by **Roe Ring** ◉

...I still can't understand how critical the bury length is though...

No worries.....you'll know when you get it too short.

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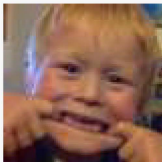
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04-21-2012, 11:03

#8

Roe Ring

Senior Member



Join Date: Mar 2011

Location: North Wales, UK

Hammock: WBBB 1.7DbI**Tarp:** Superfly**Insulation:** Incubator & Burrow**Suspension:** Whoopie&Dutchstuff

Posts: 187

 Originally Posted by **gmcttr** *No worries.....you'll know when you get it too short.*

Could be a painful learning curve :-(

I've just made a locked brummel loop and it looks the same as Dutch and Brandon's, although I have used 6" buries.

When loaded as a fixed eye with a tail, just like a whoopie sling would work, the brummel seems to pull apart without the tail buried, so the bury does do all the work, but when used as a loop, the fixed eye is pulled apart and the joint locks without the help of the buries. You are right though when you say each end of the amsteel is bent back on itself, and this takes the full load on the loop. I would imagine this is the weakest point, but by how much I don't know.

I'm a little confused now why two of the leading suppliers would move away from the traditional loop construction in favour of the locked brummel version. Any suggestions?

Thanks

Mark

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04-21-2012, 11:29

#9

Demostix

Senior Member



Join Date: Jan 2011

Location: Like Lewis & Clark: Wintrin' o/t Columbia again: PDX

Hammock: Clark w 2QZQ mod,Tropical, NX;Nano**Tarp:** Clark micro**Insulation:** Major down**Suspension:** 7/64 SK75 +strap

Posts: 2,322

 Originally Posted by **Redoleary** 

A locked brummel still derives its strength from the bury not from the brummel. The brummel just keeps it from coming apart long enough for the bury to do its work. The 6" burys are probably text book burys ie: 52 times the diameter (2.5 fids) or thereabouts. Truthfully a smaller bury is probably acceptable but longer is better.

The revised edition of the book for these ultra-slippery lines is buries 70-72 times diameter. (Who is to say what the real diameter is?)

http://www.samsonrope.com/.../Class_...r-End_Splice_0...

calls for 3 1/2 fids --70 diameters --buried in each, not shared between the two. It also calls for stitching. (On the buries: There has been

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Images: 13

some call for abandonment of fids as units of length. Read that pdf and see how safety is compromised by not just putting in the number of diameters. That's an industrial safety horror, imo.)

Bear in mind that all of this care is to maximize strength. A reason to use stronger line than necessary is to still have it after some has been lost to knots.

On Brummels. This culture likes them, and doesn't want to stitch or whip.

right.you.are.if.you.think.you.are@gmail.com

 Reply With Quote

04-22-2012, 10:23

#10

TiredFeet

Senior Member



Join Date: Sep 2007

Location: MD

Hammock: TeeDee Bridge Hammock

Tarp: Customized JRB

Insulation: Down or IX

Suspension: Whoopie Slings

Posts: 1,099

Images: 34

If you want a locked brummel on your continuous loop, TeeDee [explains](#) how to modify Opie's instructions to get one.

The plain brummel that Opie describes has no function and you would be better off doing 2 buries and stitching the buries than using the plain brummel as described by Opie.

TeeDee and I have been using the locked brummel described by TeeDee for several years and have not had any failure. The bump of the join is slightly larger than no brummel or a plain brummel, but not significantly.

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