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Amsteel and the bury's

deleted_user02 · Dec 10, 2018

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deleted_user02

New Member

Joined: Nov 22, 2018

Messages: 12

Dec 10, 2018

#1

This is not to start a debate hopefully, but how much bury on a 1/4" amsteel for a continuous loop using the locked Brumel. I am conflicted you could say. Sampson states 21 x's the diameter then multiplied by 3.5 which would give 18 or so inches. Does that sound right???



Guff Dawg

Well-Known Member

Joined: Oct 30, 2017

Messages: 806

Location: Indiana

Dec 10, 2018

#2

That's what I've followed, but I am rather new and paranoid about safety still. Most don't come to close to that length of bury, but I'll let them chime in.

**skyjacker**

Well-Known Member

SH Member

Joined: Nov 21, 2018

Messages: 1,466

Location: Oklahoma

Dec 10, 2018

#3

These guys say 50 x's the diameter. They seem to splice a lot of rope. idk.

Brummel lock-splice single braided Dyneema



Where did you find information on a locked brummel on Samson's site? All I can find is the eye splice instructions for 12-strand class II ...

https://www.samsonrope.com/docs/def...trand_c2_eye_splice_web.pdf?sfvrsn=f00ad20c_2

This eye splice is not a locked brummel. It's just an eye splice that has to be stitched.

**deleted_user02**

New Member

Joined: Nov 22, 2018

Messages: 12

Dec 11, 2018

#4

skyjacker said: ↑

These guys say 50 x's the diameter. They seem to splice a lot of rope. idk.

Brummel lock-splice single braided Dyneema

Click to expand...

It is in the first part of the whoppie sling PDF. I got the numbers from sampsons site and the another site that defines what "fids" are.

livewire69

**rutjr**

Well-Known Member

SH Member

Joined: Oct 6, 2018

Messages: 2,111

Location:

Cumberland, RI

Dec 11, 2018

#5

I made a 5/16 dia. Amsteel bridge. I don't know where I got my information but I buried 8". I've used it and have no issues. I lock Brummeled one side and lock stitched the other.

Last edited: Dec 11, 2018

**skyjacker**

Well-Known Member

SH Member

Joined: Nov 21, 2018

Messages: 1,466

Location: Oklahoma

Dec 11, 2018

#6

Ah I see now. Looks like the bury on the locked brummel is 2 fid lengths. One 1/4 fid is 5 1/2 in so 11 inch bury?

https://www.samsonrope.com/docs/def...msteel_amsteel-blue_web.pdf?sfvrsn=ae4d2872_2

**IkemanTX**

Well-Known Member

Joined: Oct 16, 2015

Messages: 3,501

Dec 11, 2018

#7

skyjacker said: ↑

Ah I see now. Looks like the bury on the locked brummel is 2 fid lengths. One 1/4 fid is 5 1/2 in so 11 inch bury?

https://www.samsonrope.com/docs/def...msteel_amsteel-blue_web.pdf?sfvrsn=ae4d2872_2

Yep, that's it. My buries on my locked Brummells ended up about 10" though. Haven't had any problems with it.

Sent from my iPhone using Tapatalk

**DaveT1963**

Well-Known Member

Dec 11, 2018

#8

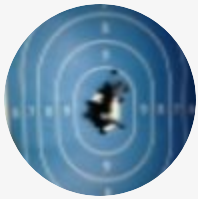
I seldom bury it more then 6-8 inches on my sticks, on a bridge I would toss in some locking stitches.

Ex. 1057
Crüzr v. Tethrd

Vendor Rep

Joined: Dec 2, 2014

Messages: 3,511

**kenn1320**

Well-Known Member

Joined: Sep 15, 2015

Messages: 2,753

Dec 11, 2018

#9

Mack mentions continuous loop in his first post. Be a pretty big loop if ya bury 11" but I haven't made a continuous loop

**IkemanTX**

Well-Known Member

Joined: Oct 16, 2015

Messages: 3,501

Dec 11, 2018

#10

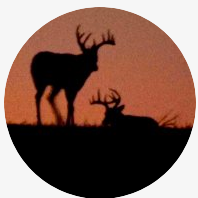
kenn1320 said: ↗

Mack mentions continuous loop in his first post. Be a pretty big loop if ya bury 11" but I haven't made a continuous loop

I shortened the buries on my continuous loops.. I think I ran 6" on those.

Remember, the bury recommendations from Samson are to maintain almost full strength ratings... we don't come NEAR testing the strength limits of amsteel. I sure as heck did bounce and jump on those loops to make sure I felt comfortable with them. But, I think a 1.5-2 did bury is fine for that application.

Sent from my iPhone using Tapatalk

**Allegheny Tom**

Well-Known Member

SH Member

Joined: Feb 4, 2018

Messages: 6,330

Location:

Western Pennsylvania

Dec 11, 2018

#11

Maybe some of you rope experts can chime in...

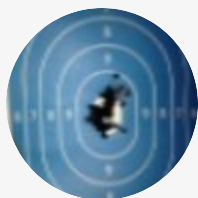
On a locked brummel, what exactly does the "bury" accomplish? Once the opposite tag end is inserted thru the initial tag end, and the loop is formed, what does actually burying 8" or 18" do (other than making a nice, neat end)?

Check out my pic.

At this point, the locked loop is formed. No matter how hard I pull on it, it won't budge or slip. The only thing left here to do is the bury...seems to me that the "bury phase" only serves to hide the tag...which I can understand. But why 18" of bury? What am I missing?



Ex. 1057
Crüzr v. Tethrd

**kenn1320**

Well-Known Member

Joined: Sep 15, 2015

Messages: 2,753

Sc. it from my SM-G935V using Tapatalk

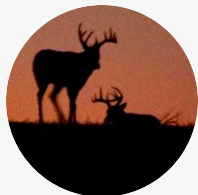
Greg / MO, rutjr and Nutterbuster

Dec 11, 2018

#12

My thoughts as well Tom, but Im guessing without the bury it puts the splicing into a sheer where it trys to separate the strands. The bury might even the loads similar to how a whoopie grabs, the bury might grab and eliminate the loop trying to sheer itself as both pieces now pull evenly. That being said, I dont see the need for so much bury since my whoopie grabs with like 4" on 1/4"

Guff Dawg, Allegheny Tom and rutjr

**Allegheny Tom**

Well-Known Member

SH Member

Joined: Feb 4, 2018

Messages: 6,330

Location:

Western Pennsylvania

Dec 11, 2018

#13

kenn1320 said: ↗

My thoughts as well Tom, but Im guessing without the bury it puts the splicing into a sheer where it trys to separate the strands. The bury might even the loads similar to how a whoopie grabs, the bury might grab and eliminate the loop trying to sheer itself as both pieces now pull evenly. That being said, I dont see the need for so much bury since my whoopie grabs with like 4" on 1/4"

I agree. The bury protects the integrity of the weave at the tag end. For an initial test of the loop, the bury isn't really doing much, but if the rope was used on a regular basis, I guess the weave could conceivably start to separate if you didn't bury it. I can buy that. What I doubt is the length of bury that they call for. I also understand the length of the taper. A stub bury works, but a nice long taper makes the bury almost invisible.

And just for the sake of discussion and hopefully to spur understanding and confidence in rope splicing... the hold of a whoopie depends strictly on the Chinese finger trap concept, but a locked Brummell gains most of it's strength in the "weave" at the junction of the loop. I assume the bury phase adds some strength and integrity, but 18 inches?? Personally, I think the length of bury they call for is overkill, but that's MY call for MY safety. Everyone has to make these decisions for themselves.

Hey, I'm no rope expert, this is just my opinions from what I've observed with the Amsteel splices that I've done. But as is said in so many threads on this site... Manage your own risk factor. I tend to be a little brave (maybe stupid) when it comes to climbing. Make your own judgements on what is safe, based upon sound data...don't just take my word.

**rutjr**

Well-Known Member

SH Member

Joined: Oct 6, 2018

Messages: 2,111

Location:

Cumberland, RI

Dec 11, 2018

#14

The bridge I made I buried 8" on each eye. Lock Brummell on one side and lock stitch on the other. I then stood on each bridge loop and grabbed the bridge and pulled with everything I had and nothing budged. I realize that's not scientific but it gives me confidence in my work. I think I did an awesome job! Lol

Sent from my iPhone using Tapatalk

Allegheny Tom

**deleted_user02**

New Member

Joined: Nov 22, 2018

Messages: 12

Dec 13, 2018

#15

rutjr said: ↑

The bridge I made I buried 8" on each eye. Lock Brummell on one side and lock stitch on the other. I then stood on each bridge loop and grabbed the bridge and pulled with everything I had and nothing budged. I realize that's not scientific but it gives me confidence in my work. I think I did an awesome job! Lol

Sent from my iPhone using Tapatalk

Man I appreciate all the responses. It has helped a ton. I am going with a 8 inch bury on the 12" continuous loop. I am using it as a modified sheets bend to capture the gathered end of a fleece saddle then I am attaching my bridge to it with a locked brumel on one side and a lock stitch on the other.

**deleted_user02**

New Member

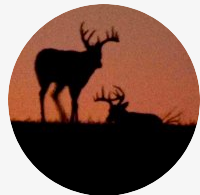
Joined: Nov 22, 2018

Messages: 12

Dec 13, 2018

#16

Speaking of lock stitch.... does anyone see a problem with using the 7/64 amsteel for the stitch part???

**Allegheny Tom**

Well-Known Member

SH Member

Dec 13, 2018

#17

Mack3773 said: ↑

Speaking of lock stitch.... does anyone see a problem with using the 7/64 amsteel for the stitch part???

I don't know how that would work. I will admit that I have don't have a ton of stitching experience but I have done a few. Seems to be you need cordage less than 1057

Crüzr v. Tethrd

Joined: Feb 4, 2018
 Messages: 6,330
 Location:
 Western Pennsylvania

1/16" or so.

One thing that I will highly recommend...DON'T use the same color stitch as the Amsteel. A stitch can be undone if you decide you want to change something and if you can SEE the stitch, you can carefully snip it and pull it out without destroying the Amsteel. But I stitched with an almost identical color. It was time consuming to undo the stitch lock. Use a contrasting color cord.

 Guff Dawg and rutjr



rutjr

Well-Known Member

SH Member

Joined: Oct 6, 2018
 Messages: 2,111
 Location:
 Cumberland, RI

Dec 13, 2018

#18

G2 used Amsteel in one of his videos.

How to splice Amsteel for a bridge on your hunting saddle



. I used a very heavy thread.

Last edited: Dec 13, 2018



enkriss

Well-Known Member

SH Member

Joined: Sep 13, 2018
 Messages: 7,282

Feb 9, 2020

#19

I just made an Amsteel aider out of 3/16. What a pain in butt doing the bury!!!!

I am going to just play around with this one if I like it I will cobra weave the bottom with reflective 550 cord and do the rest.

I will also be testing out a Swaider.



shannonoran15

Jun 29, 2020

#20

thing saddle related >
 Hey enkriss. I'm a newbie on here as well to saddle hunting but I was thinking about doing the same thing as you with the Amsteel aider. I was planning on a movable 44" total length finished aider. Do you have any advice on making the whole process any easier or any tools to aid the process. Thanks! Shannon

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New Member

| Add-ons by ThemeHouse

Joined: Jun 18, 2020

Messages: 3

1

2

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