



# Knots – Marlinespike Links

Compiled by Charles Kenyon, Hooper Sailing Club, Madison, Wisconsin

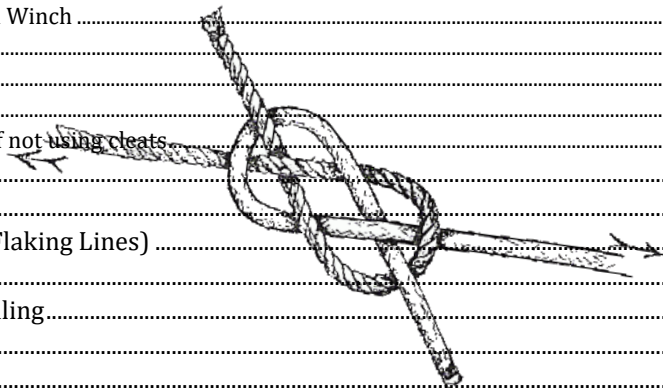
The external hyperlinks in this document are active even though not underlined. The Table of Contents contains hyperlinks to places in this document. This document is a supplement for the Marlinespike Seamanship A – Lines and Knots lesson. This pdf also contains bookmarks. This is a work in progress; note the link at the end for updates. *I suggest that you periodically get an update.*

*NOTE: This version is not updated. You can get the updated version at:*

<http://addbalance.com/Sail/Knots/Links%20Marlinespike.pdf>

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## Introduction

This list was originally written as a supplement to the Marlinespike Seamanship A (Knots and Lines) lesson at the Hooper Sailing Club in Madison, Wisconsin. If there are any erroneous links, please notify me, [Charles Kenyon](#), by email.

This list has “grown like Topsy.” The first part “Knots, Bends and Hitches” contains various links on the knots taught in the lesson. The remainder is miscellaneous links, some are organized by source. A recent addition is the section on splices and soft shackles. Those are the subject of the Marlinespike B and C lessons.

I strongly urge you to download both the *Ashley Book of Knots* and the Samson Ropes *Rope User’s Manual* (links at the end).

More will be added, I’m sure. A [link to the latest compilation](#) is found at the end.

## For the beginner:

Focus on the basic knots, bends and hitches. Learn one way to tie the knot and practice that method until it becomes a part of your muscle memory. The Marlinespike A lesson teaches how to tie these knots, but you will not remember them without practicing them. If you forget them, you can lose a hard-earned rating on one or more of our boats if an instructor sees that you do not know what you need to know.

Do not worry about fancy or fast; worry about getting the knot tied right. Worry about being able to tie the knot when it is cold and raining or dark.

Practice

Practice

Practice

Grab a piece of line or rope (or even a shoestring) and practice.

Practice while you are watching TV.

Practice while you are riding the bus.

Practice between classes.

Practice, practice, practice.

## All About Rope

This is the best page on different kinds of rope that I’ve found:

<https://sites.google.com/site/catalaocml/home/sistemas-apoio-navegacao/ropes>



# *Hooper Sailing Club*

Beginners Introduction to Rope and Cordage (video):  
<https://www.youtube.com/watch?v=YByuTkJy-nQ>



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## Knots, Bends and Hitches

Knots can be categorized into Knots (End knots, Binding Knots, and Loops), Bends (tying two lines together), Hitches (Tying directly to an object), and Lashings. We are leaving lashings to another day.

Wilderness Knots

Wikipedia on Knots


### Excellent Video on Seven Essential Knots

This is a video that covers seven of the knots we reviewed in Marlinespike A. A minor flaw is that he gets the terms wrong. The standing end is the part that is not used in tying the knot. The working end is the part that you use to tie the knot. There is no “loose end.” Nevertheless, a great demonstration. <https://www.youtube.com/watch?v=3X8drKsdf5E>

Overhand Knot – do NOT tie a single overhand knot in a sailing line upon pain of flogging!



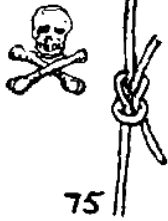
3 ways to tie an overhand knot	<a href="http://www.wikihow.com/Tie-an-Overhand-Knot">http://www.wikihow.com/Tie-an-Overhand-Knot</a>
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Stopper Knots	
How to Tie a Figure 8 Knot	<a href="https://www.youtube.com/watch?v=0CnYmY_B938">https://www.youtube.com/watch?v=0CnYmY_B938</a>
How to tie a Stevedore Knot	<a href="https://www.youtube.com/watch?v=vNbc5hU6uXI">https://www.youtube.com/watch?v=vNbc5hU6uXI</a>
Double-Overhand Knot	<a href="https://www.animatedknots.com/double-overhand-stopper-knot">https://www.animatedknots.com/double-overhand-stopper-knot</a>
Animated Knots Stevedore Knot	<a href="https://www.animatedknots.com/stevedore-stopper-knot">https://www.animatedknots.com/stevedore-stopper-knot</a>
The Most Useful Figure-8 Knots	<a href="https://www.youtube.com/watch?v=vdBWBbrjOio">https://www.youtube.com/watch?v=vdBWBbrjOio</a>
See also <b>Ashley Stopper Knot</b>	<a href="https://www.animatedknots.com/ashley-stopper-knot">https://www.animatedknots.com/ashley-stopper-knot</a>
Ashley Stopper Knot Tutorial	<a href="https://www.youtube.com/watch?v=C8Txxs2hyRo&amp;t=72s">https://www.youtube.com/watch?v=C8Txxs2hyRo&amp;t=72s</a>
Ashley Stopper Knot (Sebring)	<a href="https://www.youtube.com/watch?v=MfjNs0K5AzU">https://www.youtube.com/watch?v=MfjNs0K5AzU</a>
Oysterman's (Ashley Stopper)	<a href="http://www.handymariner.com/tie-knots-oystermans-knot/">http://www.handymariner.com/tie-knots-oystermans-knot/</a>
<i>I really like the Ashley Stopper Knot (Oysterman's Stopper) and think it is best in most situations. However, it can be tricky to tie. If in doubt, use one of the other stopper knots.</i>	

Reef Knot – Square Knot <i>Should not be used to tie two different lines together despite picture! See Sheet Bend.</i>	
Square Knot	<a href="https://www.youtube.com/watch?v=eKatRJYv2EA">https://www.youtube.com/watch?v=eKatRJYv2EA</a>
The Square Knot	<a href="http://addbalance.com/Sail/Knots/Square%20Knot.pdf">http://addbalance.com/Sail/Knots/Square%20Knot.pdf</a>



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## Ashley Book of Knots – Warning about using the Reef Knot as a Bend.

“One of the best but most-misused knots is the REEF or SQUARE KNOT. Employed as a binding knot to reef or furl sails or to tie up parcels, it is invaluable. But employed as a bend (to tie two rope ends together), the REEF KNOT is probably responsible for more deaths and injuries than have been caused by the *failure of all other knots combined.*”


*The Ashley Book of Knots*, p. 18.

Of over 3,800 knots listed, only one has this skull and crossbones!

<h2>Bowline Knot</h2>	 <p><i>This is a very important knot!</i></p>
<p>Grog's Animated Knots – Bowline video:</p>	<p><a href="https://www.youtube.com/watch?v=YXRnPES0Qec">https://www.youtube.com/watch?v=YXRnPES0Qec</a></p>
<p>Slip Knot (Jedi) Method of Tying the Bowline Knot</p>	<p><a href="https://www.youtube.com/watch?v=CmwKBA3XMR0">https://www.youtube.com/watch?v=CmwKBA3XMR0</a>  <a href="https://www.youtube.com/watch?v=4SHas_YRczk">https://www.youtube.com/watch?v=4SHas_YRczk</a>  <a href="https://www.youtube.com/watch?v=z3ZVjNOFp18">https://www.youtube.com/watch?v=z3ZVjNOFp18</a></p>
<p>Easiest and Quickest Bowline Ever (The Sailor Method)</p>	<p><a href="https://www.youtube.com/watch?v=48U0u6H8h3g">https://www.youtube.com/watch?v=48U0u6H8h3g</a></p>
<p><b><i>Learn one of the above first until you can do it without looking, then go on to elaborations:</i></b></p>	
<p>How to tie a bowline knot for sailing</p>	<p><a href="https://www.youtube.com/watch?v=-rGROTyDv88">https://www.youtube.com/watch?v=-rGROTyDv88</a></p>
<p>How to Tie a Proper Bowline Knot Some terminology is off but very good demonstrations of various methods</p>	<p><a href="https://www.youtube.com/watch?v=ozskWrDM-F4">https://www.youtube.com/watch?v=ozskWrDM-F4</a></p>
<p>Quick and Easy Bowline Overhand and Slipknot methods</p>	<p><a href="https://www.youtube.com/watch?v=x93rUzCeV9w">https://www.youtube.com/watch?v=x93rUzCeV9w</a></p>
<p>How to Tie a Piling Bowline Knot in 10 sec.</p>	<p><a href="https://www.youtube.com/watch?v=DetspxEunyg">https://www.youtube.com/watch?v=DetspxEunyg</a></p>
<p>Triple Bowline – useful for rescue</p>	<p><a href="https://www.youtube.com/watch?v=m3M99yydkkg">https://www.youtube.com/watch?v=m3M99yydkkg</a></p>
<p>Bowline on a Bight – 2 min</p>	<p><a href="https://www.youtube.com/watch?v=wmwvrZYTmv4">https://www.youtube.com/watch?v=wmwvrZYTmv4</a></p>
<p>The Riddle of the Bowline</p>	<p><a href="https://www.youtube.com/watch?v=BiqHyu1ixVI">https://www.youtube.com/watch?v=BiqHyu1ixVI</a></p>
<p>How to tie and teach the bowline – good job with rabbit and hole mnemonic</p>	<p><a href="https://www.youtube.com/watch?v=a_CwsRKZOJE">https://www.youtube.com/watch?v=a_CwsRKZOJE</a></p>
<p>How to Tie Bowline Survival Knot (45 sec)</p>	<p><a href="https://www.youtube.com/watch?v=c3gWAQ_FEa4">https://www.youtube.com/watch?v=c3gWAQ_FEa4</a></p>
<p>One-Handed Bowline – Lifesaving Knot</p>	<p><a href="https://www.youtube.com/watch?v=H85cMlvwwXA">https://www.youtube.com/watch?v=H85cMlvwwXA</a></p>
<p>Animated Knots One-handed</p>	<p><a href="http://www.animatedknots.com/bowlineonehand/index.php">http://www.animatedknots.com/bowlineonehand/index.php</a></p>
<p>One-Handed Bowline Around the Waist</p>	<p><a href="https://www.youtube.com/watch?v=iEsPbgznl74">https://www.youtube.com/watch?v=iEsPbgznl74</a></p>
<p>One-Handed Bowline</p>	<p><a href="https://www.youtube.com/watch?v=Lo4gzw2mXEQ">https://www.youtube.com/watch?v=Lo4gzw2mXEQ</a></p>
<p>What you never knew about the bowline</p>	<p><a href="https://www.youtube.com/watch?v=FbhM-IdvP4M">https://www.youtube.com/watch?v=FbhM-IdvP4M</a></p>
<p>Five (useful) Bowline Variations</p>	<p><a href="https://www.youtube.com/watch?v=XhzPGOq30g0">https://www.youtube.com/watch?v=XhzPGOq30g0</a></p>
<p>How to Tie a Bowline in the Dark</p>	<p><a href="https://www.youtube.com/watch?v=5bSk1rhndjU">https://www.youtube.com/watch?v=5bSk1rhndjU</a></p>
<p>Bowline tied in different orientations</p>	<p><a href="https://www.dropbox.com/s/0czvxzrooi1upy1/Bowline%20Views.pdf?dl=0">https://www.dropbox.com/s/0czvxzrooi1upy1/Bowline%20Views.pdf?dl=0</a></p>
<p>Yosemite Tie-Off for more security</p>	<p><a href="https://www.youtube.com/watch?v=45rPqzZnszk">https://www.youtube.com/watch?v=45rPqzZnszk</a></p>
<p>Fastest Ways to Tie a Bowline</p>	<p><a href="http://www.asiteaboutnothing.net/cr_bowline-methods.html">http://www.asiteaboutnothing.net/cr_bowline-methods.html</a></p>




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<h2>Bowline Knot</h2>	 <p><i>This is a very important knot!</i></p>
<p><b>(for knot geeks)</b> Zen and the Art of Climbing</p>	<p><a href="https://zenandtheartofclimbing.com/tying-bowline/">https://zenandtheartofclimbing.com/tying-bowline/</a></p>
<p>An analysis of the structure of bowlines – Mark Gommers – 76 pages!</p>	<p><a href="http://www.paci.com.au/knots.php">http://www.paci.com.au/knots.php</a></p>

## Round Turn and Two Half-Hitches

	
<p>How to Tie the Round Turn and Two Half Hitches</p>	<p><a href="https://www.youtube.com/watch?v=NQhgLaGs9gg">https://www.youtube.com/watch?v=NQhgLaGs9gg</a></p>
<p>Captain Grady: Tying to a Piling</p>	<p><a href="https://www.youtube.com/watch?v=7GG0r3QgBB4">https://www.youtube.com/watch?v=7GG0r3QgBB4</a></p>

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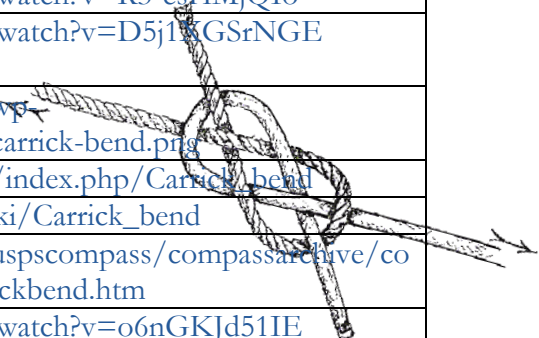
<h2>Sheet Bend (Becket Bend)</h2> <p><i>Use instead of square knot or reef knot whenever tying two different lines together. Carrick Bend is even better!</i></p>	
<p>Wikipedia</p>	<p><a href="https://en.wikipedia.org/wiki/Sheet_bend">https://en.wikipedia.org/wiki/Sheet_bend</a></p>
<p>The Sheetbend</p>	<p><a href="http://addbalance.com/Sail/Knots/The%20Sheetbend.pdf">http://addbalance.com/Sail/Knots/The%20Sheetbend.pdf</a></p>
<p>Double Becket Bend</p>	<p><a href="https://www.youtube.com/watch?v=JJiCQVHnzgs">https://www.youtube.com/watch?v=JJiCQVHnzgs</a></p>
<p>Double Sheetbend</p>	<p><a href="https://www.youtube.com/watch?v=pvn-06IedQ4">https://www.youtube.com/watch?v=pvn-06IedQ4</a></p>
<p>Sheetbend, Slipped SB, Double SB</p>	<p><a href="https://www.youtube.com/watch?v=MITXMnu8jo8">https://www.youtube.com/watch?v=MITXMnu8jo8</a></p>

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Carrick Bend – Asymmetrical for strength	
Carrick Bend – King of Bends	<a href="http://web.archive.org/web/20161101121648/http://web.comhem.se:80/~u77479609/Carrick%20Bend.html">http://web.archive.org/web/20161101121648/http://web.comhem.se:80/~u77479609/Carrick%20Bend.html</a>
Knot Tying: The Carrick Bend	<a href="https://www.youtube.com/watch?v=R3-esHMjQIo">https://www.youtube.com/watch?v=R3-esHMjQIo</a>
Symmetrical/Asymmetrical Left/Right Variations	<a href="https://www.youtube.com/watch?v=D5j1WGSrNGE">https://www.youtube.com/watch?v=D5j1WGSrNGE</a>
Carrick Bend – Scoutmaster info	<a href="http://scoutmastercg.com/wp-content/uploads/2013/03/carrick-bend.png">http://scoutmastercg.com/wp-content/uploads/2013/03/carrick-bend.png</a>
Carrick Bend – Boy Scouts	<a href="http://meritbadge.org/wiki/index.php/Carrick_bend">http://meritbadge.org/wiki/index.php/Carrick_bend</a>
Carrick Bend - Wikipedia	<a href="https://en.wikipedia.org/wiki/Carrick_bend">https://en.wikipedia.org/wiki/Carrick_bend</a>
Carrick Bend - Power Squadron	<a href="http://www.theensign.org/uspscompass/compassarchive/compassv5n4/v5n4_mm_carrickbend.htm">http://www.theensign.org/uspscompass/compassarchive/compassv5n4/v5n4_mm_carrickbend.htm</a>
How to Tie a Pretzel Knot (aka Carrick Bend) for Hemp Jewelry	<a href="https://www.youtube.com/watch?v=o6nGKjd51IE">https://www.youtube.com/watch?v=o6nGKjd51IE</a>



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<p><b>Clove Hitch</b>  <i>(do not use to tie up a boat, though)</i>  <i>- use a Round Turn and Two Half-Hitches instead</i></p>	 <p style="text-align: center;">The Clove Hitch</p>
How to Tie a Clove Hitch (2 ways)	<a href="https://www.youtube.com/watch?v=G9WyrzNjJs">https://www.youtube.com/watch?v=G9WyrzNjJs</a>
The Misunderstood Clove Hitch – Boy Scouts	<a href="http://scoutpioneering.com/2013/04/01/the-misunderstood-clove-hitch/">http://scoutpioneering.com/2013/04/01/the-misunderstood-clove-hitch/</a>
How to Tie the Clove Hitch	<a href="http://www.howcast.com/videos/439-how-to-tie-a-clove-hitch-knot/">http://www.howcast.com/videos/439-how-to-tie-a-clove-hitch-knot/</a>
How to Tie a Clove Hitch	<a href="https://www.youtube.com/watch?v=NrKIT0BitZA">https://www.youtube.com/watch?v=NrKIT0BitZA</a>

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Taut Line Hitch – Three Variations	
<p><b>Rolling Hitch</b>  <b>Diagonal Bind</b> – Taut-line hitch – ABOK #1729 – rolling hitch</p>	 <p>Both Magnus and Rolling hitch work. I prefer the midshipman's hitch instead.</p>
How to tie the Rolling Hitch	<a href="https://www.youtube.com/watch?v=bsLXP-CUs4U">https://www.youtube.com/watch?v=bsLXP-CUs4U</a>
How to tie a Taut-line hitch – Scouts	<a href="https://www.youtube.com/watch?v=H4rbBHp1QXo">https://www.youtube.com/watch?v=H4rbBHp1QXo</a>
<p><b>Midshipman's Hitch -- superior!</b>            Diagonal Bind with a twist! ABOK #1855  <i>Less likely to slip than the Rolling Hitch.</i></p>	
Midshipman's Hitch	<a href="https://www.youtube.com/watch?v=5SiMoqbxoOo">https://www.youtube.com/watch?v=5SiMoqbxoOo</a>
Midshipman's Hitch	<a href="https://www.youtube.com/watch?v=uVuhVTsBq84">https://www.youtube.com/watch?v=uVuhVTsBq84</a>
Midshipman's Hitch	<a href="https://www.youtube.com/watch?v=QZGx1EKvwg0">https://www.youtube.com/watch?v=QZGx1EKvwg0</a>



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Taut Line Hitch – Three Variations	
Taut Line Hitch (climbing)	<a href="https://www.youtube.com/watch?v=ZqYRPfBxHW8">https://www.youtube.com/watch?v=ZqYRPfBxHW8</a>
How to Tie a Taut Line Hitch	<a href="https://www.youtube.com/watch?v=naHlkc-AQ34">https://www.youtube.com/watch?v=naHlkc-AQ34</a>
Midshipman’s Hitch on a Spar	<a href="https://www.youtube.com/watch?v=F_an39xhzhS">https://www.youtube.com/watch?v=F_an39xhzhS</a>
<b>Magnus Hitch – Inferior!</b> <b>Perpendicular Bind</b> – Magnus Hitch ABOK #1736	
How to Tie a Taut Line Knot	<a href="https://www.youtube.com/watch?v=Rv2GhpeXav8">https://www.youtube.com/watch?v=Rv2GhpeXav8</a>
How to Tie a Taut Link Hitch Knot	<a href="https://www.youtube.com/watch?v=1jkN3K5G8eE">https://www.youtube.com/watch?v=1jkN3K5G8eE</a>
Taut Line Hitch	<a href="https://www.youtube.com/watch?v=eG-xZFUVR-M">https://www.youtube.com/watch?v=eG-xZFUVR-M</a>
How to Tie a Ridgeline Tarp Knot	<a href="https://www.youtube.com/watch?v=B3ftb_X_zzQ">https://www.youtube.com/watch?v=B3ftb_X_zzQ</a>
<b>Using a Taut Line Hitch to Free a Jammed Winch</b>	<b>These videos talk of using a rolling hitch. They work equally well with a Midshipman’s Hitch.</b>
Using a Rolling Hitch to Free a Jammed Winch	<a href="https://www.youtube.com/watch?v=qptVtLVLLqY">https://www.youtube.com/watch?v=qptVtLVLLqY</a>
Sailing Basics - How to Remove a Jammed Genoa Sheet	<a href="https://www.youtube.com/watch?v=W7BjZgQx3pU">https://www.youtube.com/watch?v=W7BjZgQx3pU</a>

### Comparison of all three (although terms are wrong).

<https://www.youtube.com/watch?v=twHBqJafs9s>

The video is very good at showing the knots. The knot he identifies as a taut-line hitch is the Rolling Hitch. The one he says is erroneous is the Magnus Hitch.

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Cleat Hitch (Clove Hitch on a Cleat)	 The Cleat Hitch
How to Tie a Cleat Hitch	<a href="https://www.youtube.com/watch?v=VMwXjckgiOs">https://www.youtube.com/watch?v=VMwXjckgiOs</a>
(ASA) Cleat Hitch	<a href="https://www.youtube.com/watch?v=QmiYjoUX4lw">https://www.youtube.com/watch?v=QmiYjoUX4lw</a>
Essential Sailing Knots – Cleat Hitch – <i>shown with round turn</i>	<a href="https://www.youtube.com/watch?v=nq_ByJ3jUdo">https://www.youtube.com/watch?v=nq_ByJ3jUdo</a>
How to Cleat a Line: Three Ways	<a href="https://www.youtube.com/watch?v=BBqsF72xNSU&amp;t=1s">https://www.youtube.com/watch?v=BBqsF72xNSU&amp;t=1s</a>
How to tie a Cleat Hitch, a full break-down with troubleshooting	<a href="https://www.youtube.com/watch?v=k7XGTicQImQ">https://www.youtube.com/watch?v=k7XGTicQImQ</a> A few incorrect terms but good 10 min. video.
A Perfect Cleat Hitch – Maryland School of Sailing	<a href="https://www.youtube.com/watch?v=KaF9lFn0Inw">https://www.youtube.com/watch?v=KaF9lFn0Inw</a> Note, this video uses the term “round turn incorrectly. Watch what he does, not what he says he is doing and it is great.
How to Properly Tie a Dockline to a Cleat - Beneteau	<a href="https://www.youtube.com/watch?v=3bsWpRE0inA">https://www.youtube.com/watch?v=3bsWpRE0inA</a> Nice idea on what to do with extra line!

### Monkey’s Fist

How to Tie a Monkey’s Fist Knot	<a href="http://www.youtube.com/watch?v=MXdHcH3FRcM">http://www.youtube.com/watch?v=MXdHcH3FRcM</a>
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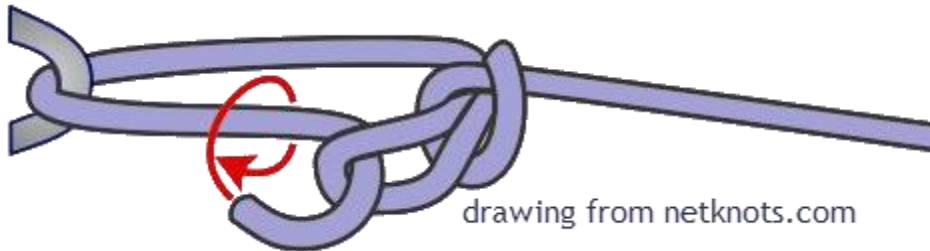
Make a 1" Monkey's Fist with Survival Paracord	<a href="https://www.youtube.com/watch?v=6cGt_QQ2Qgo">https://www.youtube.com/watch?v=6cGt_QQ2Qgo</a>
How to Tie a Monkey's Fist (paracord)	<a href="https://www.youtube.com/watch?v=31zkBObg-3g">https://www.youtube.com/watch?v=31zkBObg-3g</a>
Monkey's Fist   How to Tie (NetKnots)	<a href="https://www.netknots.com/rope_knots/monkeys-fist">https://www.netknots.com/rope_knots/monkeys-fist</a>
How to Tie a Monkey's Fist Knot	<a href="http://www.hgtv.com/design/make-and-celebrate/handmade/how-to-tie-a-monkey-fist-knot">http://www.hgtv.com/design/make-and-celebrate/handmade/how-to-tie-a-monkey-fist-knot</a>

## Highwayman's Hitch – Mooring Hitch

Highwayman Hitch/Mooring Hitch quick and easy guide	<a href="https://www.youtube.com/watch?v=8vII2HAF60">https://www.youtube.com/watch?v=8vII2HAF60</a>
Animated Knots	<a href="https://www.youtube.com/watch?v=9mED03p">https://www.youtube.com/watch?v=9mED03p</a>
Make a Quick Get Away with...	<a href="https://www.youtube.com/watch?v=C27SqE86lUs">https://www.youtube.com/watch?v=C27SqE86lUs</a>
Dick Turpin's Knot	<a href="https://www.youtube.com/watch?v=xN2wdp0Wvj8&amp;t=236s">https://www.youtube.com/watch?v=xN2wdp0Wvj8&amp;t=236s</a>
Quick Release Knot	<a href="https://www.youtube.com/watch?v=gSv04Td4-hU">https://www.youtube.com/watch?v=gSv04Td4-hU</a>
Net Knots 30-sec video	<a href="https://www.youtube.com/watch?v=zlvpfHO4Q">https://www.youtube.com/watch?v=zlvpfHO4Q</a>
Chas Kenyon page	<a href="https://www.dropbox.com/s/tzw6gh5scd29qar/Highwayman%27s%20Hitch.pdf?dl=0">https://www.dropbox.com/s/tzw6gh5scd29qar/Highwayman%27s%20Hitch.pdf?dl=0</a>
<i>(compare with)</i> High Post Hitch	<a href="https://www.youtube.com/watch?v=Zxdt-b-opIs">https://www.youtube.com/watch?v=Zxdt-b-opIs</a>
<i>(compare with)</i> Painter Hitch	<a href="https://www.youtube.com/watch?v=TUwSJ_56SoI&amp;t=101s">https://www.youtube.com/watch?v=TUwSJ_56SoI&amp;t=101s</a>



## Trucker's Hitch – Carts on Badger Sloops – if not using cleats



Wikipedia Article	<a href="https://en.wikipedia.org/wiki/Trucker%27s_hitch">https://en.wikipedia.org/wiki/Trucker%27s_hitch</a>
Netknots animation using slip knot	<a href="http://www.netknots.com/rope_knots/truckers-hitch">http://www.netknots.com/rope_knots/truckers-hitch</a>
TH – slip knot	<a href="https://www.youtube.com/watch?v=amsdd9VQOVw">https://www.youtube.com/watch?v=amsdd9VQOVw</a>
TH using Alpine Butterfly	<a href="https://www.youtube.com/watch?v=nm3nnM4CL1w">https://www.youtube.com/watch?v=nm3nnM4CL1w</a>
TH using Farmer's Loop w/ carabiners	<a href="https://www.youtube.com/watch?v=lpGW6hQIvPo">https://www.youtube.com/watch?v=lpGW6hQIvPo</a>
TH three different ways	<a href="https://www.youtube.com/watch?v=tvqFyqFZK54">https://www.youtube.com/watch?v=tvqFyqFZK54</a>

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Other Links	
Fusion Knots: New and Unusual Ornamental Knots	<a href="http://www.fusionknots.com/">http://www.fusionknots.com/</a>
(Grog's) Animated Knots	<a href="http://www.animatedknots.com">www.animatedknots.com</a>
Knots, Bends & Hitches (Army, 1973)	<a href="https://www.youtube.com/watch?v=bkYbCBIBAbQ">https://www.youtube.com/watch?v=bkYbCBIBAbQ</a>
A Study of Knot Strength	<a href="http://www.bethandevans.com/pdf/8_strength.pdf">http://www.bethandevans.com/pdf/8_strength.pdf</a>
An Assessment of the Strength of Rope Splices and Knots in Sailing Ropes (2007)	<a href="http://personal.strath.ac.uk/andrew.mclaren/william_diamond_2007.pdf">http://personal.strath.ac.uk/andrew.mclaren/william_diamond_2007.pdf</a>



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<b>Other Links</b>	
How to Make a Noble Heart Bar Bracelet	<a href="https://www.youtube.com/user/TyingItAllTogether">https://www.youtube.com/user/TyingItAllTogether</a>
Lines by Sailboat Type – Mauri	<a href="http://www.mauriprosailing.com/us/lines-by-sailboat.html">http://www.mauriprosailing.com/us/lines-by-sailboat.html</a>
Sailboat Lines by Application – Mauri	<a href="http://www.mauriprosailing.com/us/lines-by-application.html">http://www.mauriprosailing.com/us/lines-by-application.html</a>
Instructables - Knots	<a href="http://www.instructables.com/tag/type-id/category-outside/channel-knots/">http://www.instructables.com/tag/type-id/category-outside/channel-knots/</a>
World's Largest Monkey's Fist	<a href="http://youtu.be/DBHt14YmJdM">http://youtu.be/DBHt14YmJdM</a>
Life is Like Sailing – How to Coil a Line	<a href="https://www.youtube.com/watch?v=2333Ff8GJDwS">https://www.youtube.com/watch?v=2333Ff8GJDwS</a>
Six Knots You Need to Know	<a href="https://www.youtube.com/watch?v=ZZZPYPuonvQ">https://www.youtube.com/watch?v=ZZZPYPuonvQ</a>
Useful Knots and Hitches	<a href="http://www.boatsafe.com/marlinespike/knots.htm">http://www.boatsafe.com/marlinespike/knots.htm</a>
How Its Made - Rope	<a href="https://www.youtube.com/watch?t=11&amp;v=UyDHB Nix6hA">https://www.youtube.com/watch?t=11&amp;v=UyDHB Nix6hA</a>
Shoelace Knots	<a href="http://www.fieggen.com/shoelace/knots.htm">http://www.fieggen.com/shoelace/knots.htm</a>
<b>Hitches</b> including Clove Hitch, Constrictor Knot, Round Turn and Two Half-Hitches, Fisherman's Bend (Anchor Bend), Cow Hitch, Sheepshank, Marlinespike Hitch, Rolling Hitch on a Pole/Rope,	<a href="https://www.youtube.com/watch?v=vR4trlZ3jGI">https://www.youtube.com/watch?v=vR4trlZ3jGI</a>
<b>Binding Knots</b> including Reef Knot, Thief Knot, Packer's Knot	<a href="https://www.youtube.com/watch?v=4cxVOBEg2Pc">https://www.youtube.com/watch?v=4cxVOBEg2Pc</a>
<b>5 Essential Sailing Knots</b> – How to Tie Them and When to Use Them – Constrictor Knot, Rolling Hitch to free a winch, Zeppelin Bend, Round Turn and Two Half-Hitches, Cleat Hitch	<a href="https://www.youtube.com/watch?v=AI0GO86KmsQ">https://www.youtube.com/watch?v=AI0GO86KmsQ</a>
<b>9 Most Useful Sailing Knots</b> Figure-8, Rolling Hitch, Bowline, Sheetbend and Double Sheetbend, Clove Hitch, Reef Knot, Round Turn & Two Half-Hitches, Anchor Bend	<a href="https://www.youtube.com/watch?v=NRrVyz9cVtU">https://www.youtube.com/watch?v=NRrVyz9cVtU</a>
<b>Nine Knots for Sailors</b> Bowline, cleat hitch, clove hitch, buntline hitch, figure-8, strait bend, Alpine butterfly, midshipman's hitch (mis-identified as rolling hitch), admiralty stopper.	<a href="https://www.youtube.com/watch?v=uP-PLhz_uIw">https://www.youtube.com/watch?v=uP-PLhz_uIw</a>
<b>Stopper Knots</b> including Overhand Knot, Slipped Overhand Knot, Figure 8, Stevadore's Knot,	<a href="https://www.youtube.com/watch?v=-o88qEqiLjk">https://www.youtube.com/watch?v=-o88qEqiLjk</a>
Rope and Knot Terms	<a href="https://www.youtube.com/watch?v=D4FLBog6OHw">https://www.youtube.com/watch?v=D4FLBog6OHw</a>
<b>Loops</b> including Bowline	<a href="https://www.youtube.com/watch?v=5gEQP1rENf4">https://www.youtube.com/watch?v=5gEQP1rENf4</a>
Busted! – Knot Strength – New England Ropes	<a href="http://www.neropes.com/Resources/sail_reprint.pdf">http://www.neropes.com/Resources/sail_reprint.pdf</a>



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<b>Other Links</b>	
Knot and Cord Strength Especially on newer line types	<a href="http://efclimbers.net/wp-content/uploads/2013/02/Knot-and-cord-strength.pdf">http://efclimbers.net/wp-content/uploads/2013/02/Knot-and-cord-strength.pdf</a>
Knot for tying carts for <b>Badger Sloop</b> (Trucker's Hitch – Power Cinch Knot)	<a href="http://www.animatedknots.com/truckers/index.php">http://www.animatedknots.com/truckers/index.php</a>
Basic Ropes and Knots	<a href="http://www.seattle.gov/Documents/Departments/fireJobs/BSM_2009_Chapter6-BasicRopesKnots.pdf">http://www.seattle.gov/Documents/Departments/fireJobs/BSM_2009_Chapter6-BasicRopesKnots.pdf</a>
Notes on Ropes – Boy Scouts	<a href="http://www.gec-bsa.org/program/training/adulttraining/highadventure/articles/ropes/?page_style=print">http://www.gec-bsa.org/program/training/adulttraining/highadventure/articles/ropes/?page_style=print</a>
The Handcuff Knot	<a href="http://www.howcast.com/videos/82-how-to-tie-the-handcuff-knot/">http://www.howcast.com/videos/82-how-to-tie-the-handcuff-knot/</a>
The High Post Hitch	<a href="https://www.youtube.com/watch?v=Zxdt-b-opIs">https://www.youtube.com/watch?v=Zxdt-b-opIs</a>
<i>A Few Good Knots</i> by Forbes Pettigrew (Used as a handout in Marlinespike A)	<a href="http://www.pioneeringprojects.org/resources/ebooks/A-Few-Good-Knots.pdf">http://www.pioneeringprojects.org/resources/ebooks/A-Few-Good-Knots.pdf</a> <a href="https://ia800802.us.archive.org/10/items/AFewGoodKnots_201404/A-Few-Good-Knots.pdf">https://ia800802.us.archive.org/10/items/AFewGoodKnots_201404/A-Few-Good-Knots.pdf</a>

## Hoofer Sailing Club Videos

Slip Knot (Jedi) Method of Tying Bowline Knot	<a href="https://www.youtube.com/watch?v=CmwKBA3XMR0">https://www.youtube.com/watch?v=CmwKBA3XMR0</a>
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<b>Rope and Cordage Management (Coiling/Flaking Lines)</b>	
How to Coil and Stow Braided Lines	<a href="https://youtu.be/vX4Zr0vdGHE">https://youtu.be/vX4Zr0vdGHE</a>
Life is Like Sailing – How to Coil a Line (without kinks)	<a href="https://www.youtube.com/watch?v=2333Ff8GJDw&amp;t=8s">https://www.youtube.com/watch?v=2333Ff8GJDw&amp;t=8s</a>
How to Sail a Sailboat : How to Coil Rope for Sailing	<a href="https://www.youtube.com/watch?v=fa06oPNJByS">https://www.youtube.com/watch?v=fa06oPNJByS</a>
Line Organizing (Ocean Navigator)	<a href="https://www.youtube.com/watch?v=XuH4MYu0JHA&amp;t=221s">https://www.youtube.com/watch?v=XuH4MYu0JHA&amp;t=221s</a>

## RYA – Competent (keelboat) Crew

13. Knots (Cleat Hitch is not what we use) good on rolling hitch to free jammed winch	<a href="https://www.youtube.com/watch?v=4TLMqo_8DZA">https://www.youtube.com/watch?v=4TLMqo_8DZA</a>
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<b>ASA Video Tips about Lines and Line Handling</b>	
Tidy Lines	<a href="https://www.youtube.com/watch?v=4XKs7cTkgTk">https://www.youtube.com/watch?v=4XKs7cTkgTk</a>



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## ASA Video Tips about Lines and Line Handling

Winches	<a href="https://www.youtube.com/watch?v=EqzhmbC8BX0">https://www.youtube.com/watch?v=EqzhmbC8BX0</a>
Spring Lines	<a href="https://www.youtube.com/watch?v=Y5XXCmMSkd8">https://www.youtube.com/watch?v=Y5XXCmMSkd8</a>
Cleat Hitch	<a href="https://www.youtube.com/watch?v=QmiYjoUX4lw">https://www.youtube.com/watch?v=QmiYjoUX4lw</a>
Rolling Hitch	<a href="https://www.youtube.com/watch?v=DcK15qwhSiQ">https://www.youtube.com/watch?v=DcK15qwhSiQ</a>
Bowline	<a href="https://www.youtube.com/watch?v=V9EsQ4G-VaY">https://www.youtube.com/watch?v=V9EsQ4G-VaY</a>
Coiling a Line	<a href="https://www.youtube.com/watch?v=K1IeinSxL8E">https://www.youtube.com/watch?v=K1IeinSxL8E</a>

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## Captain John's Skipper Tips

How to Dock Your Boat with a Forward Bow Spring Line	<a href="http://www.youtube.com/watch?v=zhA_m3x4x8c">http://www.youtube.com/watch?v=zhA_m3x4x8c</a>
Using a Lark's Head Knot to Attach Jib	<a href="https://www.youtube.com/watch?v=6fk4nT3Clbk">https://www.youtube.com/watch?v=6fk4nT3Clbk</a>
How to Undock Using the Aft Bow Springline	<a href="https://www.youtube.com/watch?v=7_Y5G1ke6n8">https://www.youtube.com/watch?v=7_Y5G1ke6n8</a>
Elevator Technique for Bringing MOB aboard	<a href="https://www.youtube.com/watch?v=Q9tY6YU3Kdg">https://www.youtube.com/watch?v=Q9tY6YU3Kdg</a>
How to Remove a Jammed Sheet from a Sailboat Winch	
How to tie a Rolling Hitch	<a href="https://www.youtube.com/watch?v=bslXP-CU4U">https://www.youtube.com/watch?v=bslXP-CU4U</a>
Three Steps to Remove Jams from a Sheet Winch	
Marine Knots Secrets - How to Add Strength, Power, and Security to any Sailing Knot!	
Do you know these Docking Line Names?	<a href="https://www.youtube.com/watch?v=wAu98cGB7po">https://www.youtube.com/watch?v=wAu98cGB7po</a>
Tie an Anchor Hitch	<a href="https://www.youtube.com/watch?v=hRNtJeA9P4w">https://www.youtube.com/watch?v=hRNtJeA9P4w</a>
Tie a clove hitch when you have access to an end	<a href="https://www.youtube.com/watch?v=NrKIT0BitZA">https://www.youtube.com/watch?v=NrKIT0BitZA</a>

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## Splices and Soft Shackles

Soft Shackles – L-36 Edwards	<a href="http://l-36.com/soft_shackles.php?menu=4">http://l-36.com/soft_shackles.php?menu=4</a>
On Deck: Soft Shackles: Sail Magazine	<a href="http://www.sailmagazine.com/gear/sail-rope-and-rigging/on-deck-soft-shackles/">http://www.sailmagazine.com/gear/sail-rope-and-rigging/on-deck-soft-shackles/</a>
Samson Ropes Splicing Instructions	<a href="http://www.samsonrope.com/Pages/SpliceInstructions.aspx">http://www.samsonrope.com/Pages/SpliceInstructions.aspx</a>
New England Rope – Splicing Guide	<a href="http://www.wesspur.com/images/pdfs/neropes-splice-guide.pdf">http://www.wesspur.com/images/pdfs/neropes-splice-guide.pdf</a>
New England Ropes Splicing Instructions	<a href="https://www.teufelberger.com/en/downloads/splicing-instructions/commercial-marine.html">https://www.teufelberger.com/en/downloads/splicing-instructions/commercial-marine.html</a>
Marlow Ropes Splicing Instructions	<a href="https://www.marlowropes.com/splicing-instructions">https://www.marlowropes.com/splicing-instructions</a>
Yale Cordage Splicing Instructions	<a href="http://www.yalecordage.com/splicing-and-instructions">http://www.yalecordage.com/splicing-and-instructions</a>



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## Splices and Soft Shackles

Gleistein Splicebook

[http://www.gleistein.com/assets/download\\_pdfs\\_images/Kataloge/Splicebookenglweb.pdf](http://www.gleistein.com/assets/download_pdfs_images/Kataloge/Splicebookenglweb.pdf)

## The Ashley Book of Knots

<https://ia801906.us.archive.org/11/items/TheAshleyBookOfKnots/the%20ashley%20book%20of%20knots.pdf> - note front material like the cover and table of contents are at the end of the pdf

## Samson Ropes: Rope User's Manual

Excellent Resource

<https://www.samsonrope.com/resources/arborist/rope-manual>

Line Selection Guide – by intended use on a sailboat – Samson Ropes

[https://www.samsonrope.com/docs/default-source/brochures/rm\\_line\\_selection\\_guide\\_web.pdf?sfvrsn=5f36249d\\_8](https://www.samsonrope.com/docs/default-source/brochures/rm_line_selection_guide_web.pdf?sfvrsn=5f36249d_8)

## Miscellaneous

### Freeing a Winch Using a Rolling or Midshipman's Hitch

How to free a riding turn (on a winch)

<http://www.yachtingmonthly.com/sailing-skills/free-riding-turn-2-35132>

Demonstration of midshipman's hitch to free jammed winch (at 6:25)

[https://www.youtube.com/watch?v=4TLMqo\\_8DZA](https://www.youtube.com/watch?v=4TLMqo_8DZA)

### Sailing Glossary:

<https://www.dropbox.com/s/ggw55a6hqemnt2f/Glossary%20of%20Sailing%20Terms.pdf?dl=0>

### Knot Strength / Effect on Rope

Why Knots Weaken a Rope <https://www.youtube.com/watch?v=QPWQqN0dSXI>

Knot Break Strength vs. Rope Break Strength

<http://caves.org/section/vertical/nh/50/knotrope-hold.html>

Comparative Testing of High Strength Cord – Tom Moyer, et al.

[https://user.xmission.com/~tmoyer/testing/High\\_Strength\\_Cord.pdf](https://user.xmission.com/~tmoyer/testing/High_Strength_Cord.pdf)

What is the Strongest Sailing Knot? Yachting Monthly

<https://www.yachtingmonthly.com/sailing-skills/strongest-sailing-knot-30247>

An Assessment of the Strength of Seizings and Whippings Used to Form an Eye – Douglas Young

[http://personal.strath.ac.uk/andrew.mclaren/Douglas\\_Young\\_2008.pdf](http://personal.strath.ac.uk/andrew.mclaren/Douglas_Young_2008.pdf)

Boat Line Definitions <http://denverrope.com/definitions.htm>

International Guild of Knot Tyers <http://www.igkt.net/>



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Dyneema / Spectra Lifelines [https://www.cruisingclub.org/pdfs/sas\\_lifelines.pdf](https://www.cruisingclub.org/pdfs/sas_lifelines.pdf)

Installing synthetic line standing rigging (Dyneema)  
<https://www.youtube.com/watch?v=tRe6q7jjsY>

Knots in Dyneema <https://www.youtube.com/watch?v=b9GLp1Esins>

The Capstan Equation [https://en.wikipedia.org/wiki/Capstan\\_equation](https://en.wikipedia.org/wiki/Capstan_equation)  
How much friction do you get using a capstan/winch?S

Sailing Ropes Guide <http://www.cruisingworld.com/how/learning-ropes>

Rope Materials – Animated Knots <https://www.animatedknots.com/rope-materials>

Design and Performance of Ropes for Climbing and Sailing – A.J. McClaren – 38-pg academic  
<https://core.ac.uk/reader/9018408>

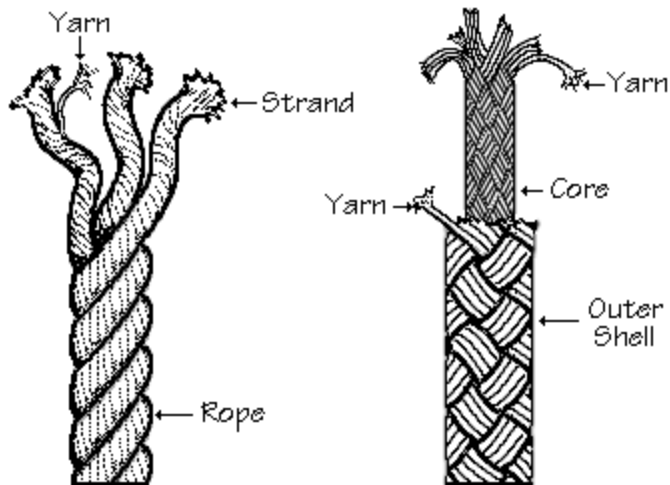
Strength of Rope Splices and Knots in Sailing Ropes – William Diamond  
[http://personal.strath.ac.uk/andrew.mclaren/william\\_diamond\\_2007.pdf](http://personal.strath.ac.uk/andrew.mclaren/william_diamond_2007.pdf)

Great Knots You Probably Don't Need to Know  
[http://www.asiteaboutnothing.net/cr\\_knots-other.html](http://www.asiteaboutnothing.net/cr_knots-other.html)

Carrick Bend <https://www.dropbox.com/s/yg617a8erl64rxp/The%20Carrick%20Bend.pdf?dl=0>

Sheetbend <https://www.dropbox.com/s/4mx2r0zxfvg79jf/The%20Sheetbend.pdf>

Square knot <https://www.dropbox.com/s/ffdomqixe7knlm7/Square%20Knot.pdf>



Laid or Twisted Rope

Braided Rope



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## Updates and changes – This is Version 19.30

I expect to be modifying this extensively. It is intended to be used in pdf format so that the links are active. However, I show the full links without underlining so that they are easier to read. This pdf has extensive bookmarks corresponding to the table of contents.

This version dated 22 August 2022. Here is a link to the latest version.

Marlinespike Links <http://addbalance.com/Sail/Knots/Links%20Marlinespike.pdf>

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