



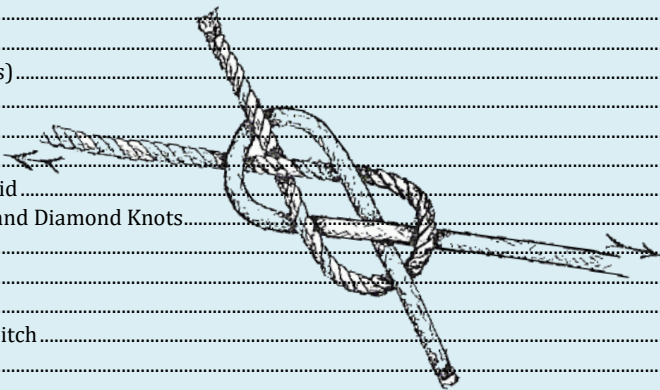
Knots – Marlinespike Links

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

The 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 lessons. This contains internal pdf bookmarks. *This is a work in progress: Version 24.61. I suggest that you routinely get an update.*

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Introduction

This list was originally written as a supplement to the Marlinespike Seamanship A (Knots and Lines) lesson at the Hoofer Sailing Club in Madison, Wisconsin. If there are any erroneous links, please notify me, [Charles Kenyon](#), by email. *The sailing club is in no way responsible for opinions expressed herein.*

This list has “grown like Topsy.” It started as one page. 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. I’ve added a section on [splices and soft shackles](#). Those are the subject of the Marlinespike B and C lessons. We are adding Dyneema ® and paracord lessons as well.

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

I am a member of the International Guild of Knot Tyers. This is not one of their publications, though. See [below](#) for more information.

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 a knot and practice that method until it becomes a part of your muscle memory. The Club’s Marlinespike A lesson teaches how to tie basic 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. See if you can tie it behind your back!

- 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.

A good overview book for beginners is the [Everything Knots Book](#) by Randy Penn. Start with the links to videos and pdfs, first, before you buy a book, though.

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>

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



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Rope Strength Tables (Denver Rope) <https://denverrope.com/rope-strength-guide/>

Knot and Rope Terminology <https://www.youtube.com/watch?v=LAEduewMjb0>

Rope and Cordage Basics https://www.youtube.com/watch?v=cZdsx7_oh4U

Types Of Rope: Natural and Synthetic <https://www.theknotsmanual.com/rope/types-of-rope/>

Rope Care Advice – Marlow Ropes <https://www.marlowropes.com/performance/rope-care-advice/>

What is Manila Rope? <https://www.theknotsmanual.com/rope/types-of-rope/manila/>

Knots, Bends and Hitches

Knots can be categorized into **Knots** (End knots, Binding Knots, and Loops – rope being tied to itself), **Bends** (tying two lines together), **Hitches** (Tying directly to an object), and **Lashings** (tying two objects together). *Lashings are only used on a sail boat in emergencies, we are leaving those for 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>

Great Sailing Knots (Sailing Virgins – Fun) <https://youtu.be/o8Vx6m8n4F4>

Beginner’s Guide to Knots

I would not necessarily call this a beginner’s guide, but it is an interesting take on a progression from the square knot and cow hitch through a trucker’s hitch. Worth a watch.

<https://www.youtube.com/watch?v=tK-UebImvwA>

7 Knots You Need for Your ASA 101 Class https://www.youtube.com/watch?v=UEqUt_QrUnQ

Learn Five Knots for Sailing – Emily & Clark’s Adventure

https://www.youtube.com/watch?v=fvh_LWBaomg

Below are direct links, but the entire video is under 13 minutes and worth watching.

Figure 8, Clove Hitch, Alpine Butterfly, Zeppelin Bend & Bowline; Qualities of a Good Knot

Knots that Count - https://www.youtube.com/watch?v=Wjyuk_ibU3A

The only 4 knots you need to know... maybe! - <https://www.youtube.com/watch?v=61MmXi9mv70>

Bowline, Midshipman’s Hitch, Clove Hitch, Lightermans Hitch for Bollards, stopper knots

Five (camping) knots everyone should know <https://www.youtube.com/watch?v=KbLQoYIRfvc>

Bowline, Trucker’s Hitch, Square Knot, Prussik Knot [Bend], Marlinespike Hitch



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



3 ways to tie an overhand knot	http://www.wikihow.com/Tie-an-Overhand-Knot
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The overhand knot is used as the start for some other knots, though.

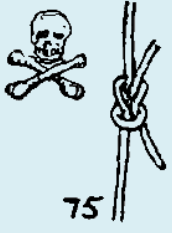
Stopper Knots

How to Tie a Figure 8 Knot	https://www.youtube.com/watch?v=0CnYmY_B938 
How to tie a Stevedore Knot	https://www.youtube.com/watch?v=vNbc5hU6uXI
Stevedore Stopper (19 sec.)	https://www.youtube.com/watch?v=dAAXS4oIslg
Double-Overhand Knot	https://www.animatedknots.com/double-overhand-stopper-knot
Animated Knots Stevedore Knot	https://www.animatedknots.com/stevedore-stopper-knot
The Most Useful Figure-8 Knots	https://www.youtube.com/watch?v=vdBWBbrjOio
Stopper Knots - 5 Super Easy & Useful Options	https://www.youtube.com/watch?v=9dGLbT8pprI Overhand, Double Overhand, Figure 8, Stevedore, Ashley's
See also Ashley Stopper Knot	https://www.animatedknots.com/ashley-stopper-knot
Ashley Stopper Knot Tutorial	https://www.youtube.com/watch?v=C8Txxs2hyRo&t=72s
Ashley Stopper Knot (Sebring)	https://www.youtube.com/watch?v=MfjNs0K5AzU
Ashley Stopper Knot	https://www.youtube.com/watch?v=2syCRm6zdAE
Oysterman's (Ashley Stopper)	http://www.handy-mariner.com/tie-knots-oystermans-knot/
Ashley Stopper Knot (21 sec.)	https://www.youtube.com/watch?v=vC5nYvbBk6E
Ashley Stopper Knot	https://www.youtube.com/watch?v=pIvR8fkLiqI
Oysterman's Stopper Knot	https://www.youtube.com/watch?v=RZvHphSvzYE
<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

<p>Reef Knot – Square Knot</p> <p><i>Should not be used to tie two different lines together despite picture! See Sheet Bend (Becket Bend).</i></p>	
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Square Knot	https://www.youtube.com/watch?v=eKatRJYv2EA
The Square Knot	http://addbalance.com/Sail/Knots/Square%20Knot.pdf
How to Tie the Square Knot	https://www.youtube.com/watch?v=5x4NcQaphSI
The once Illegal Reef Knot	https://www.youtube.com/shorts/M4l-hyMixas
	<p>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 <i>failure of all other knots combined.</i>” <i>The Ashley Book of Knots</i>, p. 18.</p>

Bowline Knot

<p>Bowline Knot</p> <p>The “King of Knots”</p>	 <p><i>This is a very important knot!</i></p>
Grog’s Animated Knots – Bowline video:	https://www.youtube.com/watch?v=YXRnPEs0Qec
Slip Knot (Jedi) Method of Tying the Bowline Knot	https://www.youtube.com/watch?v=CmwKBA3XMR0 https://www.youtube.com/watch?v=4SHas_YRczk https://www.youtube.com/watch?v=z3ZVjNOFP18
Easiest and Quickest Bowline Ever (The Sailor Method)	https://www.youtube.com/watch?v=48U0u6H8h3g
<i>Learn one of the above first until you can do it without looking, then go on to elaborations:</i>	
How to tie a bowline knot for sailing	https://www.youtube.com/watch?v=-rGROTyDv88
How to Tie a Proper Bowline Knot Some terminology is off but very good demonstrations of various methods	https://www.youtube.com/watch?v=ozskWrDM-F4
Quick and Easy Bowline Overhand and Slipknot methods	https://www.youtube.com/watch?v=x93rUzCeV9w
The Fastest Way to Tie a Bowline – Snap	https://www.youtube.com/watch?v=QXQ4dLJPYbs
Bowline and 15 Bowline Variants (41 min) Includes Scott’s Locked Bowline, Double Bowline, Sailor Method and Jedi Method	https://www.youtube.com/watch?v=cBDgxY2pG90 Triple Bowline, Yosemite Bowline, Portuguese Bowline, French and Spanish Bowline
Tugboat Bowline Knot (not a bowline!)	https://www.youtube.com/watch?v=1yf9pF-VbLQ
How to Tie a Piling Bowline Knot in 10 sec.	https://www.youtube.com/watch?v=DetspxEunyq
Triple Bowline – useful for rescue	https://www.youtube.com/watch?v=m3M99yydkkg
Triple Loop Bowline	https://www.youtube.com/watch?v=Tou3byG5pGg




<p>Bowline Knot The “King of Knots”</p>	 <p><i>This is a very important knot!</i></p>
<p>How to Tie the Triple-Loop Bowline in Under 60 Seconds</p>	<p>https://www.youtube.com/watch?v=J4b_ynh0zd4</p>
<p>Bowline on a Bight – 2 min</p>	<p>https://www.youtube.com/watch?v=wmwvrZYTmv4</p>
<p>Bowline on a Bight – Quick and Easy Knot</p>	<p>https://www.youtube.com/watch?v=YQk0Y1pA3h0</p>
<p>The Riddle of the Bowline</p>	<p>https://www.youtube.com/watch?v=BiqHyu1ixVI</p>
<p>How to tie and teach the bowline – good job with rabbit and hole mnemonic</p>	<p>https://www.youtube.com/watch?v=a_CwsRKZOJE</p>
<p>How to Tie Bowline Survival Knot (45 sec)</p>	<p>https://www.youtube.com/watch?v=c3gWAQ_FEa4</p>
<p>One-Handed Bowline – Lifesaving Knot</p>	<p>https://www.youtube.com/watch?v=H85cMlvwwXA</p>
<p>Animated Knots One-handed</p>	<p>http://www.animatedknots.com/bowlineonehand/index.php</p>
<p>One-Handed Bowline Around the Waist</p>	<p>https://www.youtube.com/watch?v=iEsPbgzn174</p>
<p>One-Handed Bowline</p>	<p>https://www.youtube.com/watch?v=L04gzw2mXEQ</p>
<p>What you never knew about the bowline</p>	<p>https://www.youtube.com/watch?v=FbhM-IdvP4M</p>
<p>Five (useful) Bowline Variations</p>	<p>https://www.youtube.com/watch?v=XhzPGOq30g0</p>
<p>How to Tie a Bowline in the Dark</p>	<p>https://www.youtube.com/watch?v=5bSk1rhndjU</p>
<p>Three ways to tie the Bowline Knot – IGKT Dutch / Cowboy discussion</p>	<p>https://www.youtube.com/watch?v=mSDqVc_h4oU</p>
<p>Bowline tied in different orientations</p>	<p>https://www.dropbox.com/s/0czvxzrooi1upy1/Bowline%20Views.pdf?dl=0</p>
<p>Yosemite Tie-Off for more security</p>	<p>https://www.youtube.com/watch?v=45rPqzZnszk</p>
<p>Bowline part of this video</p>	<p>https://www.youtube.com/watch?v=61MmXi9mv70</p>
<p>Fastest Ways to Tie a Bowline (webpage)</p>	<p>http://www.asiteaboutnothing.net/cr_bowline-methods.html</p>
<p>Fastest Way to Tie a Bowline Knot (video)</p>	<p>https://www.youtube.com/watch?v=lvIRHvu2va8</p>
<p>A Better Bowline – Scott’s Locked Bowline</p>	<p>https://www.youtube.com/watch?v=Qzh7kJ8k5lA</p>
<p>Scott’s Locked Bowline</p>	<p>https://www.youtube.com/watch?v=BHEVMngxPHA</p>
<p>How to Tie a Bowline Knot (plus variations) – note that the tail is too short</p>	<p>https://www.youtube.com/watch?v=IS82ju__nyk</p> <p>Very good video but tail (working end) should be longer</p>
<p>Complete Guide to the Bowline Knot and its Most Important Variants</p>	<p>https://www.youtube.com/watch?v=QgewPTFzJzg (<i>needs Scott’s Locked Bowline to be complete IMO</i>)</p>



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

Round Turn and Two Half-Hitches


<p>Round Turn and Two Half-Hitches</p>	 <p>Round Turn and Two Half Hitches www.animatedknots.com</p>
<p>How to Tie the Round Turn and Two Half Hitches</p>	<p>https://www.youtube.com/watch?v=NQhgLaGs9gg</p>
<p>Captain Grady: Tying to a Piling</p>	<p>https://www.youtube.com/watch?v=7GG0r3QgBB4</p>
<p>Round Turn and Two Half-Hitches (1:39)</p>	<p>https://www.youtube.com/watch?v=M_W3nlil1Ko</p>

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Sheet Bend (Becket Bend)

<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>https://en.wikipedia.org/wiki/Sheet_bend</p>
<p>The Sheetbend</p>	<p>http://addbalance.com/Sail/Knots/The%20Sheetbend.pdf</p>
<p>Double Becket Bend</p>	<p>https://www.youtube.com/watch?v=JjiCQVHnzgs</p>
<p>Double Sheetbend</p>	<p>https://www.youtube.com/watch?v=pvn-06IedQ4</p>
<p>Sheetbend and Double SB</p>	<p>https://www.youtube.com/watch?v=jv9xwBiWB3U</p>
<p>Double Sheetbend – Two Tucks</p>	<p>https://www.youtube.com/watch?v=gMaNUJC56Z4</p>
<p>Sheetbend, Slipped SB, Double SB</p>	<p>https://www.youtube.com/watch?v=MITXMnu8jo8</p>
<p>Sheetbend – Sailor Method Requires knowledge of bowline</p>	<p>https://youtu.be/Wjyuk_ibU3A?t=1269</p>



Use instead of square knot or reef knot whenever tying two different lines together. Carrick Bend is even better!	
How to tie in under 60 seconds	https://www.youtube.com/watch?v=xwXiAJ5fq-o
The Left-Hand Sheet Bend vs. The Right-Hand Sheet Bend	https://www.youtube.com/watch?v=0lhII07mTNC

Carrick Bend – Asymmetrical for strength

Carrick Bend	
Carrick Bend – King of Bends	http://web.archive.org/web/20161101121648/http://web.comhem.se:80/~u77479609/Carrick%20Bend.html
Carrick Bend Video from above	https://www.youtube.com/watch?v=wTmwqYQI93Y
Knot Tying: The Carrick Bend	https://www.youtube.com/watch?v=R3-esHMjQIo
Symmetrical/Asymmetrical Left/Right Variations	https://www.youtube.com/watch?v=D5j1XGSrNGE
Carrick Bend – Scoutmaster info	http://scoutmaster.org/wa-current/uploads/2013/03/carrick-bend.png
Carrick Bend – slow motion	https://www.youtube.com/watch?v=XOkfzDkQyF4
Two version of the Carrick Bend	https://www.youtube.com/watch?v=OQJsshH3NJQ
Carrick Bend	https://www.youtube.com/watch?v=cRmCPaLoozc
Carrick Bend – Boy Scouts	http://meritbadge.org/wiki/index.php/Carrick_bend
Carrick Bend - Wikipedia	https://en.wikipedia.org/wiki/Carrick_bend
Carrick Bend - Power Squadron	http://www.theensign.org/uspscompass/compassarchive/compassv5n4/v5n4_mm_carrickbend.htm
How to Tie a Pretzel Knot (aka Carrick Bend) for Hemp Jewelry	https://www.youtube.com/watch?v=o6nGKJd51IE
How to Tie the Carrick Bend In 60 Seconds!!	https://www.youtube.com/watch?v=R-wJh8fbugA

Zeppelin Bend

How to Tie the Zeppelin Bend <https://www.youtube.com/watch?v=k09lzQRIKH0>

Securely Joining Two Ropes https://www.youtube.com/watch?v=l2oj0ybUD_g



The Zeppelin Bend – The Best All-Around Bend? <https://www.youtube.com/watch?v=gMq6Z4M-SZI>



Clove Hitch

Clove Hitch <i>(do not use to tie up a boat, though)</i> <i>- use a Round Turn and Two Half-Hitches instead</i>		 <p>The Clove Hitch</p>
How to Tie a Clove Hitch (2 ways)	https://www.youtube.com/watch?v=G9WyrzNjJs	
The Misunderstood Clove Hitch – Boy Scouts	http://scoutpioneering.com/2013/04/01/the-misunderstood-clove-hitch/	
How to Tie the Clove Hitch	http://www.howcast.com/videos/439-how-to-tie-a-clove-hitch-knot/	
How to Tie a Clove Hitch	https://www.youtube.com/watch?v=NrKIT0BitZA	
Clove Hitch – two loop method	https://www.youtube.com/shorts/rqsbs97yuXg	
Clove Hitch vs. Constrictor Knot	https://www.youtube.com/watch?v=YbyVfQdGIjA	

Taut Line Hitch – Three Variations

Taut Line Hitch – Three Variations	
Rolling Hitch Diagonal Bind – Taut-line hitch – ABOK #1729 – rolling hitch	 <p>Both Magnus and Rolling hitch work. I prefer the midshipman's hitch instead.</p>
What is the "Correct" Taut-Line Hitch?	https://www.youtube.com/watch?v=Ks2FskttO_4
How to tie the Rolling Hitch	https://www.youtube.com/watch?v=bsLXP-CUs4U
How to tie a Taut-line hitch – Scouts	https://www.youtube.com/watch?v=H4rbBHp1QXo
Rolling Hitch – Sailing Virgins fun	https://youtu.be/o8Vx6m8n4F4?t=618
What is the "Correct" Taut-Line Hitch	https://www.youtube.com/watch?v=Ks2FskttO_4
Midshipman's Hitch -- superior! Diagonal Bind with a twist! ABOK #1855 <i>Less likely to slip than the Rolling Hitch.</i>	
Midshipman's Hitch	https://www.animatedknots.com/midshipmans-hitch-knot
Midshipman's Hitch	https://www.youtube.com/watch?v=5SiMoqbxOo
Midshipman's Hitch	https://www.youtube.com/watch?v=uVuhVTsBq84



Taut Line Hitch – Three Variations	
Midshipman's Hitch	https://www.youtube.com/watch?v=QZGx1EKvvg0
Rolling Hitch vs Midshipman's	https://www.youtube.com/watch?v=bMZtTUTg_mE
Taut Line Hitch (climbing)	https://www.youtube.com/watch?v=ZqYRPfBxHW8
How to Tie a Taut Line Hitch	https://www.youtube.com/watch?v=naHlkc-AQ34
Midshipman's Hitch on a Spar	https://www.youtube.com/watch?v=F_an39xhzhs
Magnus Hitch - Inferior! Perpendicular Bind – Magnus Hitch ABOK #1736	
How to Tie a Taut Line Knot	https://www.youtube.com/watch?v=Rv2GhpeXav8
How to Tie a Taut Link Hitch Knot	https://www.youtube.com/watch?v=1jkN3K5G8eE
Taut Line Hitch	https://www.youtube.com/watch?v=eG-xZFUVR-M
How to Tie a Ridgeline Tarp Knot	https://www.youtube.com/watch?v=B3ftb_X_zzQ
Using a Taut Line Hitch to Free a Jammed Winch	These videos talk of using a rolling hitch. They work equally well with a Midshipman's Hitch.
Using a Rolling Hitch to Free a Jammed Winch	https://www.youtube.com/watch?v=qptVtLVllqY
Sailing Basics - How to Remove a Jammed Genoa Sheet	https://www.youtube.com/watch?v=W7BjZgQx3pU

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.

Cleat Hitch (Clove Hitch on a Cleat)

Cleat Hitch (Clove Hitch on a Cleat)	 The Cleat Hitch
How to Tie a Cleat Hitch	https://www.youtube.com/watch?v=VMwXjckgiOs
(ASA) Cleat Hitch	https://www.youtube.com/watch?v=QmiYjoUX4lw



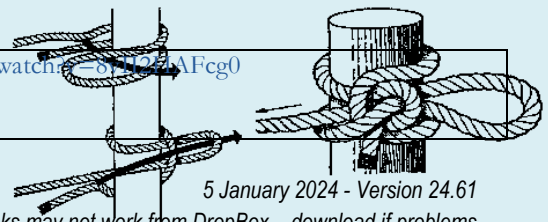
Cleat Hitch (Clove Hitch on a Cleat)	
	 <p>The Cleat Hitch</p>
Essential Sailing Knots – Cleat Hitch – <i>shown with round turn</i>	https://www.youtube.com/watch?v=nq_ByJ3jUdo
How to Cleat a Line: Three Ways	https://www.youtube.com/watch?v=BBqsF72xNSU&t=1s
How to tie a Cleat Hitch, a full break-down with troubleshooting	https://www.youtube.com/watch?v=k7XGTtcQImQ A few incorrect terms but good 10 min. video.
A Perfect Cleat Hitch – Maryland School of Sailing	https://www.youtube.com/watch?v=KaF9lFn0Inw 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	https://www.youtube.com/watch?v=3bsWpRE0inA Nice idea on what to do with extra line!

Monkey’s Fist – see also Heaving Line Knot

How to Tie a Monkey’s Fist Knot	http://www.youtube.com/watch?v=MXdHcH3FRcM
How to Tie a Monkey’s Fist Step by step - Professional Yachtmaster Training USA	https://www.youtube.com/watch?v=9vqcDAv79ho
Make a 1” Monkey’s Fist with Survival Paracord	https://www.youtube.com/watch?v=6cGt_QQ2Qgo
How to Tie a Monkey’s Fist (paracord)	https://www.youtube.com/watch?v=31zkBObg-3g
Monkey’s Fist How to Tie (NetKnots)	https://www.netknots.com/rope_knots/monkeys-fist
How to Tie a Monkey’s Fist Knot	http://www.hgtv.com/design/make-and-celebrate/handmade/how-to-tie-a-monkey-fist-knot
Monkey’s Fist – How to Tie and Practical Applications	https://www.youtube.com/watch?v=Re6TEuWQf7I
How to Tie with Jig – 8-pass	https://www.youtube.com/watch?v=lmDO2xGvmIg
Make a Monkey’s Fist – No Jig	https://www.youtube.com/watch?v=1_YgUGA9Vhc
This Knot is Illegal! (Monkey’s Fist) (<i>look for slungshot in statutes</i>)	https://www.youtube.com/watch?v=FEEOK1tg4Yk https://www.youtube.com/watch?v=FZr61OKj0Nw

Highwayman’s Hitch – Mooring Hitch

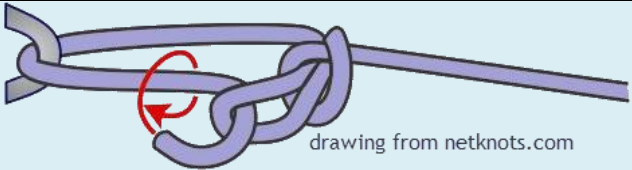
Highwayman Hitch quick and easy guide	https://www.youtube.com/watch?v=87v22AFcg0
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Highwayman's Animated Knots	https://www.youtube.com/watch?v=kFFmED03obE
Make a Quick Get Away with...	https://www.youtube.com/watch?v=C27SqE86lUs
Highwayman's Hitch or Highwayman's Cutaway	https://www.youtube.com/watch?v=xN2wdp0Wvj8
Dick Turpin's Knot	https://www.youtube.com/watch?v=xN2wdp0Wvj8&t=236s
Quick Release Knot	https://www.youtube.com/watch?v=gSv04Td4-hU
Net Knots 30-sec video	https://www.youtube.com/watch?v=zlVllpfHO4Q
3 Essential sailing knots digression	https://youtu.be/Wjyuk_ibU3A?t=993
How To Tie A Highwayman's Hitch Knot, Bank Robber Knot or Getaway Knot Quick Release Knot You Need	https://www.youtube.com/watch?v=zutM-5yxn50 <i>(I would turn the sound off for this video.)</i>
Chas Kenyon page	https://www.dropbox.com/s/tzw6gh5scd29qar/Highwayman%27s%20Hit ch.pdf?dl=0
Mooring Hitch	https://www.survivalworld.com/knots/mooring-hitch/
Mooring Hitch – Net Knots	https://www.netknots.com/rope_knots/mooring-hitch
Mooring Hitch – Wikipedia	https://en.wikipedia.org/wiki/Mooring_hitch
<i>(compare with)</i> High Post Hitch	https://www.youtube.com/watch?v=Zxdt-b-opIs
<i>(compare with)</i> Painter Hitch	https://www.youtube.com/watch?v=TUwSJ_56SoI&t=101s

Trucker's Hitch

Trucker's Hitch	
Wikipedia Article	https://en.wikipedia.org/wiki/Trucker%27s_hitch
Trucker's Hitch – ridgeline	https://www.youtube.com/watch?v=AHw7uymjq3Q
Netknots animation using slip knot	http://www.netknots.com/rope_knots/truckers-hitch
TH – slip knot	https://www.youtube.com/watch?v=amsdd9VQOVw
TH using Alpine Butterfly	https://www.youtube.com/watch?v=nm3nnM4CL1w
TH using Farmer's Loop w/ carabiners	https://www.youtube.com/watch?v=lpGW6hQIvPo
TH three different ways	https://www.youtube.com/watch?v=tvGFyqFZK54



Trucker's Hitch	
 <p style="text-align: right; font-size: small;">drawing from netknots.com</p>	
Trucker's Hitch – Deep Dive Includes Alpine Butterfly Loop	https://www.youtube.com/watch?v=oUeEb9XH4u4
Six Ways to Level Up Your Trucker's Hitch	https://www.youtube.com/watch?v=FDIUA8wptvU

Other Links

Other Links	
Fusion Knots: New and Unusual Ornamental Knots	http://www.fusionknots.com/
(Grog's) Animated Knots	www.animatedknots.com
Knots, Bends & Hitches (Army, 1973)	https://www.youtube.com/watch?v=bkYbCBIBAbQ
A Study of Knot Strength	http://www.bethandevans.com/pdf/8_strength.pdf
An Assessment of the Strength of Rope Splices and Knots in Sailing Ropes (2007)	http://personal.strath.ac.uk/andrew.mclaren/william_diamond_2007.pdf
How to Make a Noble Heart Bar Bracelet	https://www.youtube.com/user/TyingItAllTogether
Lines by Sailboat Type – Mauri	http://www.mauriprosailing.com/us/lines-by-sailboat.html
Sailboat Lines by Application – Mauri	http://www.mauriprosailing.com/us/lines-by-application.html
Instructables - Knots	http://www.instructables.com/tag/type-id/category-outside/channel-knots/
World's Largest Monkey's Fist	http://youtu.be/DBHt14YmjDM
Life is Like Sailing – How to Coil a Line	https://www.youtube.com/watch?v=2333Ff8GJDwS
Six Knots You Need to Know	https://www.youtube.com/watch?v=ZZPYPuonvQ
Useful Knots and Hitches	http://www.boatsafe.com/marlinespike/knots.htm
How Its Made - Rope	https://www.youtube.com/watch?t=11&v=UyDHBNIx6hA
Shoelace Knots	http://www.fieggen.com/shoelace/knots.htm
Hitches 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,	https://www.youtube.com/watch?v=vR4trLZ3jGI



Other Links	
Shorten Rope Without Cutting - Sheepshank	https://www.youtube.com/watch?v=mJb01t5lbs8
Alpine Butterfly Loop	https://www.youtube.com/watch?v=Nw9fNxSGqAo
What happens if you tie Alpine Butterfly Wrong – with break tests	https://www.youtube.com/watch?v=jqlkVuECmPY
Alpine Butterfly Loop – slow-motion IGKT	https://www.youtube.com/watch?v=PZN61xt9Y70
Alpine Butterfly Knot – Two ways	https://www.youtube.com/watch?v=q8wQvZ3wYpM
This Knot is a GAMECHANGER! - The Alpine Butterfly Knot – the Queen	https://www.youtube.com/watch?v=Qc89VZ9JkN0
How to tie a Constrictor Knot [sic] – BSA	https://www.youtube.com/watch?v=NUSO8zuJzEY
How to tie a Constrictor Hitch	https://youtu.be/4LgbkXIF0oU?t=94
Clove Hitch vs. Constrictor Hitch	https://www.youtube.com/watch?v=YbyVfQdGIjA
Constrictor Knot – IGKT – two ways	https://www.youtube.com/watch?v=EYCP1Znykko
Binding Knots including Reef Knot, Thief Knot, Packer's Knot	https://www.youtube.com/watch?v=4cxVOBEg2Pc
Thief Knot - IGKT	https://www.youtube.com/watch?v=dNhgChV33RE
5 Essential Sailing Knots – 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	https://www.youtube.com/watch?v=AI0GO86KmsQ
9 Most Useful Sailing Knots Figure-8, Rolling Hitch, Bowline, Sheetbend and Double Sheetbend, Clove Hitch, Reef Knot, Round Turn & Two Half-Hitches, Anchor Bend	https://www.youtube.com/watch?v=NRrVyz9cVtU
Nine Knots for Sailors Bowline, cleat hitch, clove hitch, buntline hitch, figure-8, strait bend, Alpine butterfly, midshipman's hitch (mis-identified as rolling hitch), admiralty stopper.	https://www.youtube.com/watch?v=uP-PLhz_uIw



Other Links	
Essential Sailing Knots – Learn these 3 and tie lots! (Not really just 3) Round Turn & two half-hitches, clove hitch & bowline	https://www.youtube.com/watch?v=Wjyuk_ibU3A Also includes constrictor knot, sheetbend, highwayman’s hitch, trucker’s hitch, buntline hitch
Great Sailing Knots – Sailing Virgins	https://youtu.be/o8Vx6m8n4F4
Alpine Butterfly – twist method	https://www.youtube.com/watch?v=LhCvOCvqIHI
Alpine Butterfly – three methods	https://www.youtube.com/watch?v=dY33TPXTZn4
Stopper Knots including Overhand Knot, Slipped Overhand Knot, Figure 8, Stevedore’s Knot,	https://www.youtube.com/watch?v=-o88qEqiLjk
Double Fisherman’s Bend	https://www.youtube.com/watch?v=zKRhVKgjWjo
Double Fisherman’s Knot [Bend]	https://www.youtube.com/watch?v=4DHPyG6iABk
Rope and Knot Terms	https://www.youtube.com/watch?v=D4FLBog6OHw
Loops including Bowline	https://www.youtube.com/watch?v=5gEQP1rENf4
Busted! – Knot Strength – New England Ropes	http://www.neropes.com/Resources/sail_reprint.pdf
Chain Sennit IGKT Extension Cords	https://www.youtube.com/watch?v=I6MF4JNW9w0
Auto-Lock Prussik Knot	https://www.youtube.com/watch?v=bVgn8GanC_Y
Knot and Cord Strength Especially on newer line types	http://efclimbers.net/wp-content/uploads/2013/02/Knot-and-cord-strength.pdf
Basic Ropes and Knots	http://www.seattle.gov/Documents/Departments/fireJobs/BS_M_2009_Chapter6-BasicRopesKnots.pdf
Notes on Ropes – Boy Scouts	http://www.gec-bsa.org/program/training/adulttraining/highadventure/articles/ropes/?page_style=print
The Handcuff Knot	http://www.howcast.com/videos/82-how-to-tie-the-handcuff-knot/
The High Post Hitch	https://www.youtube.com/watch?v=Zxdt-b-opIs
<i>A Few Good Knots</i> by Forbes Pettigrew (Used as a handout in Marlinespike A)	http://www.pioneeringprojects.org/resources/ebooks/A-Few-Good-Knots.pdf https://ia800802.us.archive.org/10/items/AFewGoodKnots_201404/A-Few-Good-Knots.pdf
Learn to sail 6 basic knots – Carpe Diem	https://www.youtube.com/watch?v=Vw23pN8vPFc
Advanced Knots and Whipping a Line– Carpe Diem	https://www.youtube.com/watch?v=4cbaYXk3vag



Other Links	
How to Whip the End of Boat Lines (Sailmaker's Whipping)	https://www.youtube.com/watch?v=3ZCXhdzvQrU
How to Whip a Line (Emily & Clark)	

Hooper Sailing Club Videos

Slip Knot (Jedi) Method of Tying Bowline Knot	https://www.youtube.com/watch?v=CmwKBA3XMR0
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Rope and Cordage Management (Coiling/Flaking Lines)

Rope and Cordage Management (Coiling/Flaking Lines)	
How to Coil and Stow Braided Lines without Tangles	https://youtu.be/vX4Zr0vdGHE
Life is Like Sailing – How to Coil a Line (without kinks)	https://www.youtube.com/watch?v=2333Ff8GJDw&t=8s
How to Sail a Sailboat : How to Coil Rope for Sailing	https://www.youtube.com/watch?v=fa06oPNJBys
Line Organizing (Ocean Navigator)	https://www.youtube.com/watch?v=XuH4MYu0JHA&t=221s
Best way to Coil Arborist Rope, Figure 8	https://www.youtube.com/watch?v=E2DT-jJaW3k
Learn How to Coil Braided Rope Correctly	https://www.youtube.com/watch?v=pF3jyUx6JyM

RYA – Competent (keelboat) Crew

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

ASA Video Tips about Lines and Line Handling	
Tidy Lines	https://www.youtube.com/watch?v=4XKs7cTkgTk
Winches	https://www.youtube.com/watch?v=EqzhmbC8BX0



ASA Video Tips about Lines and Line Handling	
Spring Lines	https://www.youtube.com/watch?v=Y5XXCmMSkd8
Cleat Hitch	https://www.youtube.com/watch?v=QmiYjoUX4lw
Rolling Hitch	https://www.youtube.com/watch?v=DcK15qwhSiQ
Bowline	https://www.youtube.com/watch?v=V9EsQ4G-VaY
Coiling a Line	https://www.youtube.com/watch?v=K1IeinSxL8E

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Captain John's Skipper Tips

Captain John's Skipper Tips	(videos, usually very short)
How to Dock Your Boat with a Forward Bow Spring Line	http://www.youtube.com/watch?v=zhA_m3x4x8c
Using a Lark's Head Knot to Attach Jib	https://www.youtube.com/watch?v=6fk4nT3Clbk
How to Undock Using the Aft Bow Springline	https://www.youtube.com/watch?v=7_Y5G1ke6n8
Elevator Technique for Bringing MOB aboard	https://www.youtube.com/watch?v=Q9tY6YU3Kdg
How to Remove a Jammed Sheet from a Sailboat Winch	http://www.skippertips.com/public/Learn_to_Sail_Video__How_to_Removed_a_Jammed_Sheet_from_a_Sailboat_Winch.cfm
How to tie a Rolling Hitch	https://www.youtube.com/watch?v=bslXP-CUs4U
Three Steps to Remove Jams from a Sheet Winch	https://www.skippertips.com/members/2755.cfm
Marine Knots Secrets - How to Add Strength, Power, and Security to any Sailing Knot!	https://www.skippertips.com/members/390.cfm
Do you know these Docking Line Names?	https://www.youtube.com/watch?v=wAu98cGB7po
Tie an Anchor Hitch	https://www.youtube.com/watch?v=hRNtjeA9P4w
Tie a clove hitch when you have access to an end	https://www.youtube.com/watch?v=NrKIT0BitZA
Tie a Double-Constrictor Knot	https://www.youtube.com/watch?v=r0me8bnTU1g
Ten Line Tips	https://www.youtube.com/watch?v=7rSgi8JS9RI
Five Ways to Use a Marlinespike Rigging Tool	https://www.youtube.com/watch?v=4brn4uZqnAo



Captain John's Skipper Tips	(videos, usually very short)
Keep Clear of this Sailing Line 'Danger Zone'	https://www.youtube.com/watch?v=OTU6OOoutA

Standard Rope Splices - Three-Strand and Double Braid

Standard Rope Splices – Three-Strand and Double Braid	
Easy to follow 3-Strand Eye-Splice	https://www.youtube.com/watch?v=QeYBkMCQ8WY
Eye splicing a rope – IGKT	https://www.youtube.com/watch?v=EYCP1Znykko
Three-Strand Rope Splicing – a series of 15 short videos from DVD	https://www.youtube.com/playlist?list=PLHDJedEHvMoA9ILRJ_Di_UKpFDH8H4EhJ
Learn the Three-Strand Eye Splice	https://www.youtube.com/watch?v=4rn52EwUgZM
Loop Splice in Three Strand Rope	https://www.youtube.com/watch?v=qMXfy7NkCio
Making an Eye-Splice in Nylon Rope	https://www.youtube.com/watch?v=NvYLS1Am1U
3-Strand Eye Splice for Beginners	https://www.youtube.com/watch?v=7Jpl-mCD-vw
Easy to follow 3-strand Back-Splice	https://www.youtube.com/watch?v=v5scjt6FzAM&t=250s
Three-Strand Back Splice	https://www.youtube.com/watch?v=uivsF61ytLQ
Ring Crown Splice	https://www.youtube.com/watch?v=4Huz62zQvcs
3-Strand Chain Splice	https://www.youtube.com/watch?v=Z2zgapDroXI
Attaching rope onto objects- back splice	https://www.youtube.com/watch?v=QsUs1h_KYmsc
The End Splice	https://www.youtube.com/watch?v=waEP2laUodg
Short Splice	http://www.wdcra.org.uk/study/splice.htm
Long Splice	http://www.wdcra.org.uk/study/long.htm
Marline Eye Splice – Lazy Splice This one is different!	https://www.youtube.com/watch?v=L_bxz8Jn8E8
Double-Braid Eye Splice	https://www.youtube.com/watch?v=Ym1-ri0SdaA
Double-Braid Splicing	https://www.youtube.com/watch?v=UghIS9xdiDw
Double Braid Eye Splice Sailing Wisdom	https://www.youtube.com/watch?v=kNuhAVVzNd0



Standard Rope Splices – Three-Strand and Double Braid	
Splicing Sta-Set (tubular fid)	https://www.youtube.com/watch?v=RHhRx2RYwvY
Double-Braid Eye Splice in 5 min	https://www.youtube.com/watch?v=LgLzMGokoWc
End-for-End Double-Braid Splice	https://www.youtube.com/watch?v=vGtJh4IEE90
Samson Ropes Splicing Instructions double braid class 1 (pdf)	https://www.samsonrope.com/docs/default-source/splice-instructions/dblbrd_c1_eye_splice_web.pdf?sfvrsn=3976dd6f_2
Samson Ropes Splicing Instructions	https://www.youtube.com/watch?v=n4tU2G31Bus
Samson Ropes Splicing (all)	https://samsonrope.com/resources/how-to-splice-rope
New England Rope – Splicing Guide	http://www.wesspur.com/images/pdfs/neropes-splice-guide.pdf
New England Ropes Splicing Instructions	https://www.teufelberger.com/en/downloads/splicing-instructions/commercial-marine.html
Double-Braid Splicing (NE Ropes)	https://www.youtube.com/watch?v=UghIS9xdiDw
Marlow Ropes Splicing Instructions	https://www.marlowropes.com/splicing-instructions
Yale Cordage Splicing Instructions	http://www.yalecordage.com/splicing-and-instructions
Gleistein Splicebook	http://www.gleistein.com/assets/download_pdfs_images/Kataloge/Spliebookenglweb.pdf
Brion Toss on Double-Braid Splice	https://www.youtube.com/watch?v=ZOq2DWN3t-M
Double Braid Eye Splice with a Splicing Wand (parts 1 & 2) Sailrite	https://www.youtube.com/watch?v=7B_dW_-e7IM https://www.youtube.com/watch?v=DTeaYj5xZaU
Load Testing of lines, knots, and splices	https://web.archive.org/web/20160318230212/http://www.bethandevans.com/load.htm
Samson Rope: Eye Splice Lock Stitching Procedure	https://www.youtube.com/watch?v=T55K4D0kmgw
Lock Stitch on a Splice	https://www.youtube.com/watch?v=I_hy9rjLA8A

Dyneema ® Splices and Soft Shackles – Button Knots and Diamond Knots

Dyneema ® Splices and Soft Shackles – Button Knots and Diamond Knots	
The Amazing Lightweight Rope That Can Lift a Car!	https://www.youtube.com/watch?v=9shiekaQNT0



Dyneema ® Splices and Soft Shackles – Button	
Knots and Diamond Knots	
What is Dyneema ® and Why is it Awesome?	https://dutchwaregear.com/2023/06/02/what-is-Dyneema-®-everything-to-know-about-cuben-fiber/
How Bad Are Knots in Dyneema ®	https://www.youtube.com/watch?v=MdA9mdDlJ6Y
Knots in Dyneema ® – Allen Edwards L-36	https://www.youtube.com/watch?v=b9GLp1Esins
The Knot You Should Never Tie?	https://www.youtube.com/watch?v=rAVlg3vBvk0
Dyneema ® knot slipping demo	https://youtu.be/3GDKxgYwzul?t=472
Working with High-Tech Ropes	https://www.practical-sailor.com/sails-rigging-deckgear/working-with-high-tech-ropes
Soft Shackles – L-36 Allen Edwards	http://l-36.com/soft_shackles.php?menu=4
On Deck: Soft Shackles: Sail Magazine	http://www.sailmagazine.com/gear/sail-rope-and-rigging/on-deck-soft-shackles/
Brummel Lock Single Splice	https://www.youtube.com/watch?v=d0B6tYTVHVM
Brummel Splice 1 st end (NE Ropes)	https://www.youtube.com/watch?v=QZM-0HVic0w
Brummel Splice 2 nd end (NE Ropes)	https://www.youtube.com/watch?v=fIR5jdQ7TEo
Modified Brummel Splice (Part I)	https://www.youtube.com/watch?v=IxSi8igfChk
Modified Brummel Splice (Part II)	https://www.youtube.com/watch?v=u9pnLY_HHRU
Modified Brummel Splice (Part III)	https://www.youtube.com/watch?v=eR5qbzQ0q9w
Brummel splice using only one end (mobius)	https://www.youtube.com/watch?v=DbCri0mldLw
How to do a Brummel Splice around a Shackle	https://www.youtube.com/watch?v=DEppp8MpGN8
Dyneema ® Lock Stitch Demonstration	https://www.youtube.com/watch?v=tKqAfBfNc3A
(Repairing Dyneema ® Lifeline with) End for End Splice	https://www.youtube.com/watch?v=91B-5pE9mwQ
Soft Shackle Variations L-36	https://l-36.com/soft_types.php
Softie Soft Shackle	https://www.youtube.com/watch?v=jH66tGsWv_Y
Dyneema ® Soft Shackle (Marlow)	https://www.marlowropes.com/splicing-instructions
D-SPLICER: how to make a Dyneema ® softshackle	https://www.youtube.com/watch?v=sP74FE4p8to
Tips and Tricks for Making Soft Shackles Good on the diamond knot!	https://www.youtube.com/watch?v=yZh1M8E'TLRk
Locked Dyneema ® Loop	https://www.youtube.com/watch?v=zu6pE'Zy96I4



Dyneema ® Splices and Soft Shackles – Button Knots and Diamond Knots	
Does Tapering Matter? (tests video)	https://www.youtube.com/watch?v=lhIPeJNWtxE
How Important Is It That You Taper Your Splices? (article with test results and videos)	https://www.hownot2.com/post/are-tapering-splices-that-important-in-dyneema-hmpe
We are worried about the wrong things	https://www.youtube.com/watch?v=r4j7gKn0Ms8
Splice Hollow Braid 12-Strand Rope - Locking & Mobius Brummel Splice - Thimble Eye	https://www.youtube.com/watch?v=WOBs_aCxZ0c
Dyneema ® Loop Soft Shackle	https://www.youtube.com/watch?v=o79ncWQuhPc
On Deck: Soft Shackles	https://www.sailmagazine.com/gear/on-deck-soft-shackles
Softie Soft Shackle Construction	https://www.youtube.com/watch?v=jH66tGsWv_Y
Better Soft Shackle (L-36) diamond	https://l-36.com/soft_shackle_9.php
Stronger Soft Shackle (MK 2) overhand	https://www.youtube.com/watch?v=6wIVZoaSx8I
Easiest Soft Shackle (overhand) break test	https://www.youtube.com/watch?v=jU_mmdbQeCQ
Improved Soft Shackle – Allen Edwards	https://www.youtube.com/watch?v=s8QJEdYqe_E
Improved Soft Shackle (Overhand Knot with Brummel splices and bury – big knot!)	https://www.youtube.com/watch?v=K0eZz36PRYI
Make your own 4x4 soft shackle <i>This is my favorite – uses button knot</i>	https://www.youtube.com/watch?v=TBTiYf-9Hys
Button Knot Soft Shackle (view MK2 above first)	https://www.youtube.com/watch?v=HNlqAqo0cc8
Tying the Two-Strand Button Knot	https://www.dropbox.com/s/y2bzmldyto49wab/Tying%20the%20Two-Strand%20Button%20Knot.pdf?dl=0
High-Strength Soft Shackles Using the “Brion Toss Button” Knot	https://www.cruisersforum.com/forums/attachment.php?attachmentid=277711&d=1688587028
How Strong are Soft Loops and Steel Snap Shackles	https://www.youtube.com/watch?v=5qCyVsFO0U4
Button Knot – L-36	https://l-36.com/button_knot_top.php
How to Tie a Button Knot	https://www.youtube.com/watch?v=rjSqNRxbMVE
Soft Shackles Diamond Knot vs. Button Knot (some fun sailing pics)	https://www.youtube.com/watch?v=ydUBGinQIUU
Plasma vs Amsteel (Dyneema ®) button knot soft shackles – break tests diff. configurations	https://www.youtube.com/watch?v=7TGwkWBYgX8



Dyneema ® Splices and Soft Shackles – Button	
Knots and Diamond Knots	
Button Knot Soft Shackle D.I.Y.	https://www.youtube.com/watch?v=HNlgAqo0cc8
Self-Closing Soft Shackle (Button)	https://www.youtube.com/watch?v=ZDTcdryEKRQ
A comparison of Soft Shackle Tying Methods – Slack Science	https://www.balancecommunity.com/blogs/slack-science/a-comparison-of-soft-shackle-methods
7/64 Dyneema ® Amsteel fast shackle – button	https://www.youtube.com/watch?v=QYZ3ZL1Mhao
7/64" soft shackle comparison, button knot versus standard and improved shackles	https://www.youtube.com/watch?v=4y8PhffjFkg
Diamond Knot (Soft Shackle)	https://www.youtube.com/watch?v=_iRvKxN9gA4
10-Second Soft Shackles Interesting but nowhere near as strong – much easier to make, though	https://www.youtube.com/watch?v=hXG17Q__6aY
Comparison of Soft Shackles	https://www.youtube.com/watch?v=4y8PhffjFkg
Button Knot Soft Shackles – Tying and Break Strength (1st 14 min. on making button knot)	https://www.youtube.com/watch?v=91_jEjQdlBU
Three tiny soft shackles tested	https://www.youtube.com/watch?v=ccbFFR_iYyY
High-Strength Soft Shackle L-36 buttons	https://l-36.com/high_strength_soft_shackle.php
Easiest Dog-Bone Soft Shackle (Hanks)	https://www.youtube.com/watch?v=C2kjxtrn36Q
Instructions for Tying the Brion Toss Button Knot for a Soft Shackle with pictures (10-page forum thread)	https://www.cruisersforum.com/forums/f116/instructions-for-tying-the-brion-toss-button-knot-and-high-strength-soft-shackle-155591.html
Button Knot Tutorial (Part III) Tied with full-size rope	https://www.youtube.com/watch?v=DYF92CfLD_0 <i>In my opinion, this is the best tutorial on the knot.</i>
Tying the Button Knot	https://www.youtube.com/watch?v=t8Gi9UoSs5A
Soft Shackle Use Technique (break tests)	https://www.youtube.com/watch?v=sNPhHc3Z9OI
Dyneema ® Rigging (playlist Rigging Dr.)	https://www.youtube.com/watch?v=ZqPf-i1jy10&list=PLhcVFGMQmGF46hNmQd7d38H9gZOiv6GkC&index=1
Dyneema ® Rigging (playlist)	https://www.youtube.com/playlist?list=PLRfmzO8fHP_owq8igZUMXwQUix1VfxtzG
D-Splicer demonstration	https://www.youtube.com/watch?v=UghIS9xdiDw
Tubular Fid vs Toss Wand vs Selma Fids	https://www.youtube.com/watch?v=lq5AUQ8JCa0



Dyneema ® Splices and Soft Shackles – Button	
Knots and Diamond Knots	
Adding a Polyester Cover to Dyneema ® Single Braid	https://www.practical-sailor.com/sails-rigging-deckgear/splicing-a-polyethylene-cover
Samson Ropes Amsteel ® Blue Specs	https://www.samsonrope.com/mooring/amsteel--blue
Dyneema ® Lifeline Guidelines – Sail World	https://www.sailworldcruising.com/n/Respect-the-rope-Dyneema-lifeline-guidelines/-90520?source=duckduckgo
The Mysteries of Sizing Dyneema ® Standing Rigging	https://sustainablesailing.net/2020/12/15/the-mysteries-of-sizing-dyneema-standing-rigging/
All About Dyneema ® Rigging	https://www.svb24.com/en/guide/all-about-dyneema-rigging.html
Maximizing Performance – Marlow Ropes	https://www.marlowropes.com/performance/maximising-performance/
Revised Spectra®/Dyneema® Lifeline Requirements US Sailing	https://www.ussailing.org/wp-content/uploads/2018/01/Dyneema-Spectra-Lifeline-Revision-Jan-2014.pdf
Dyneema ® Abrasion Tests – Practical Sailor	https://www.practical-sailor.com/sails-rigging-deckgear/dyneema-abrasion-test
What’s More Abrasion Resistant? Technora / Dyneema	https://www.youtube.com/shorts/UDQP7NAXyh4
See also Sailing Links: Rigging Doctor	https://addbalance.com/Sail/Sailing%20Links.pdf#RiggingDyneema

Eye Splices – Nautilus Braids <http://nautilusbraids.co.nz/brummel-splicing/>
(includes Brummel and Double-Braid as well as spectra core)

Dyneema ® Soft Shackle with Button Knot on Amazon 7/64"
<https://www.amazon.com/gp/product/B099BZ7SSY?th=1>

Synthetic Rope Comparison Chart https://christinedemerchant.com/rope_material_comparison.html

Conversion Chart for Ropes – Units of Measurement <https://ropeinc.com/rope-resources-how-to/conversion-chart>

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

Ashley Book of Knots – Review (web page)
https://www.thepirateking.com/books/books_ashleybookofknots_review.htm

Ashley Book of Knots – Review (web page)
<https://shipsofscale.com/sosforums/threads/the-ashley-book-of-knots-by-clifford-w-ashley.8629/>



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Ashley Book of Knots – Review (video)
QysGRCZA

<https://www.youtube.com/watch?v=OP-QysGRCZA>

(This is not a book you want to carry on your sailboat, though. For that use, consider the Animated Knots app.)

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

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://youtu.be/4TLMqo_8DZA?si=dgk3v563elMLdNI_&t=385

Twenty Essential Hitch Knots <https://www.youtube.com/watch?v=1FLshQYEKHQ>

Levels of Knot Tying: Easy to Complex (15 levels) includes practical and decorative knots

<https://www.youtube.com/watch?v=d-hTvyIESfQ>

Breaking Test Knots – Zeppelin & Figure 8 & Alpine Butterfly & Reevee & Bowline & Sheet Bend & Double Fisherman <https://www.youtube.com/watch?v=dagg2-If4h8>

The World's Most Reliable Knot (Prusik Hitch)

<https://www.youtube.com/watch?v=vMz8Qg1uBu4>

Types of Rope (Home Depot, does not include Dyneema ®/Amsteel)

<https://www.youtube.com/watch?v=VcAcbvWuHxU&t=286s>

Yachting Ropes - We look at types of ropes

<https://www.youtube.com/watch?v=nbps08Oc1F0>

Three Kinds of Rope and When to Use Them (compares 3-strand, double-braid, and kernmantle)

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

Nylon vs. Polyester vs. Polypropylene Rope | How to Choose the Right Rope

<https://www.youtube.com/watch?v=IAzJx5l4xWY>

I tested "synthetic rope" from Ebay & Amazon (HPME rope) "Chineema"

<https://www.youtube.com/watch?v=J2vBj5rWdXU>

Name Brand vs. Off-Brand Soft Shackles (HPME)

<https://www.youtube.com/watch?v=XOBH7xoYmCY> Rope Construction and Fiber Buying Guide

<https://www.youtube.com/watch?v=1XZDiRiZYc>

Rope Comparison Guide (scroll down)

<https://e-rigging.com/collections/rope>

Sailing Glossary:

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



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A Glossary for Practical Knot Tyers – Robert G. Birch 2019 IGKT

<https://igkt.net/component/phocadownload/category/2-pdf?download=146:a-glossary-for-knot-tyers>

Knot Strength / Effect of Knots 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

What is the Strongest Sailing Knot? Yachting Monthly

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

<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

Efficiencies of Common Rope Splices, Knots, Bends, and Hitches

<https://www.mazzellacompanies.com/learning-center/efficiencies-of-common-rope-splices-knots-bends-and-hitches/>

How to Tie 5 TYPES of WHIPPING <https://www.youtube.com/watch?v=NSeqmf9ZtuM>

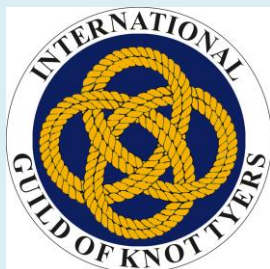
- Sailmaker's Whipping <https://www.youtube.com/watch?v=3wiguF8Uia8>
https://www.youtube.com/watch?v=b1niGXg_djk
<https://www.youtube.com/watch?v=OJDCC7dCSyg>
<https://www.youtube.com/watch?v=T0JyTIOPkyw>
- Spiral Whipping <https://www.youtube.com/watch?v=EpmvobHfqow>
- West Country Whipping <https://www.youtube.com/watch?v=AHemz-YiTL0>
- Sailor's Whipping <https://www.youtube.com/watch?v=sMseS7mFABw>
- Common End Whipping <https://www.youtube.com/watch?v=Iji3RXmBGEk>

Rope Strength Tables (Denver Rope) <https://denverrope.com/rope-strength-guide/>

Break Testing Knots (video) <https://www.youtube.com/watch?v=dagg2-If4h8>

Zeppelin & Figure 8 & Alpine Butterfly & Bowline, Sheetbend & Double Fisherman

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



International Guild of Knot Tyers

<http://www.igkt.net/>

Dyneema ® / Spectra Lifelines

https://www.cruisingclub.org/pdfs/sas_lifelines.pdf

Installing synthetic line standing rigging (Dyneema ®) <https://www.youtube.com/watch?v=tRe6q7jjbsY>

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



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Knot Test Results – a meta analysis

paci.com.au/downloads_public/knots/Knot-Testing_Thomas-Evans_2016.pdf

The Capstan Equation https://en.wikipedia.org/wiki/Capstan_equation
How much friction do you get using a capstan/winch?

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

Knowing the Ropes – Sailing: <https://www.mysailing.com.au/knowning-the-ropes/>

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

Five Ways to Use a Marlinespike Rigging Tool <https://www.youtube.com/watch?v=4brn4uZqnAo>

UK Scouts Pioneering Knots <https://scoutpioneering.com/site-map/pioneering-knots/>
Barrel Hitch, Butterfly Knot, Carrick Bend, Double Sheet-Bend, Draw Hitch (Highwayman's Hitch), Foolproof ways to ALWAYS tie a square knot right, Pipe Hitch, Prusik Hitch, Rolling Hitch (with a bit of misinformation about names), Round Turn and Two Half-Hitches, Scaffold Hitch, (The Misunderstood) Clove Hitch, Timber Hitch, Water Knot, Zeppelin Bend *(Each page has an accompanying video.)*

Knot Analysis – Professional Association of Climbing Instructors – <http://www.paci.com.au/knots.php>

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

The Only Knot You Need to Know – Here's Why (variations on the marlinespike hitch)
<https://www.youtube.com/watch?v=2RTyVjZmKp0>
Marlinespike hitch > Slip Knot > Ashley Stopper > Bowline > Twin Bowline Bend

Simplest, Highest-Value Knot You Can Learn (Slip Knot)
<https://www.youtube.com/watch?v=jfdnFkLHH6Y>

Marlin Spike Hitch - One Knot Turns into Slip, Loop, Stopper Knot and More
<https://www.youtube.com/watch?v=3r2UjaV8SVg>

Great Knots You Probably Don't Need to Know
http://www.asiteaboutnothing.net/cr_knots-other.html

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

Heaving Lines and Throw Bags
<https://www.youtube.com/watch?v=xXpmvG8yKoo>

Sheetbend <https://www.dropbox.com/s/4mx2r0zxfg79jf/The%20Sheetbend.pdf>

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

Heaving Line Knot – Franciscan Monk's Knot <https://www.youtube.com/watch?v=gdOYDPCUOIU>

Heaving Line Knot <https://www.youtube.com/watch?v=5gKCdN0h4PA>

Heaving Link Knot IGKT <https://www.youtube.com/watch?v=Epfy3DxOiGk>

Making a Rope Ladder <https://www.youtube.com/watch?v=VEXttVyT1A4>

Marlinespike Hitch Ladder <https://www.youtube.com/watch?v=ZOWvDSz9CCc>

Mathematical Knots (and invariants) <https://www.youtube.com/watch?v=EBWP1POPc2A>



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More on the Math of Knots https://www.youtube.com/watch?v=8DBhTXM_Br4

Pulleys and Mechanical Advantage

Snatch Blocks – Hot Pulleys Work – Mechanical Advantage

<https://www.youtube.com/watch?v=M2w3NZzPwOM&t=762s>

Pulley Systems Rules Knots & Pulleys in Rope Rigging Systems

<https://www.youtube.com/watch?v=9L-LJvz-cZM>

Staggered Anchors Knots & Pulleys in Rope Rigging Systems

<https://www.youtube.com/watch?v=zZPMjWrg8UU>

Mechanical Advantage is a Myth

Discusses effects of stretch and friction on pulley systems

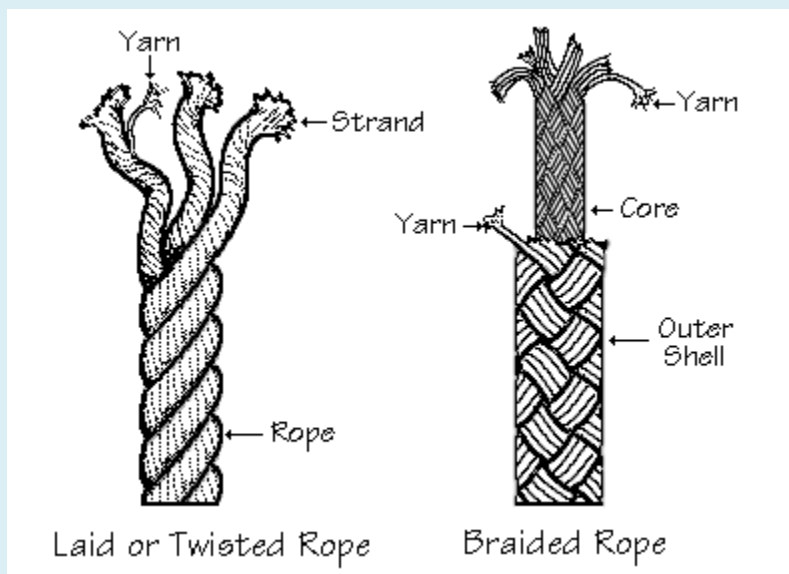
<https://www.youtube.com/watch?v=tUDLNVdSQNw>

Snatch Blocks

<https://www.youtube.com/watch?v=h8QIfuRcEe4>

https://www.youtube.com/watch?v=jbQLeA8gz6c&lc=UgwkZyDG_S5zCFk2XG94AaABAg

<https://www.youtube.com/watch?v=6Qwmg3dkJQ8>





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Rope Clinic – a series of videos on knots and line – very good - David Canterbury – outdoors use

Part 1 – terms, kinds of line <https://www.youtube.com/watch?v=gDFQf48B18c>

Part 2 – seizing <https://www.youtube.com/watch?v=j1mD6ASxD8A>

Part 3 – tensile strength v working load and more <https://www.youtube.com/watch?v=2XHhrzoV0u4>

Part 4 – midline loops <https://www.youtube.com/watch?v=MBXE2Jfj7ZM>

Part 5 – midline knots – making nets <https://www.youtube.com/watch?v=yi5Z7MR0Hxs>

Part 6 – Good selection of knots, bends & hitches for woodland use
<https://www.youtube.com/watch?v=gAHxJv6GCC4>

Part 7 – Isolating a bad area of a piece of rope <https://www.youtube.com/watch?v=cWMLYE-JX9E>

Part 8 – Common Hitches <https://www.youtube.com/watch?v=jUhVfxqqpPI>

Part 9 – Tensioning with Mechanical Advantage <https://www.youtube.com/watch?v=JEyIR9hBZWw>

Paracord

Ten Reasons You Need a Paracord Bracelet <https://www.youtube.com/watch?v=eQrlbZmVSKs>

Updates and changes – This is Version 24.61

I expect to be modifying this extensively. I recommend that you use the link below to update each time you want to use it.

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 5 January 2024. Here is a link to the latest version.

Marlinespike Links <https://adbalance.com/Sail/Knots/Links%20Marlinespike.pdf>

The version number (24.61) indicates the year in which the version was released before the decimal point; after the decimal point is the actual number of revisions over the history of the document.
(61)