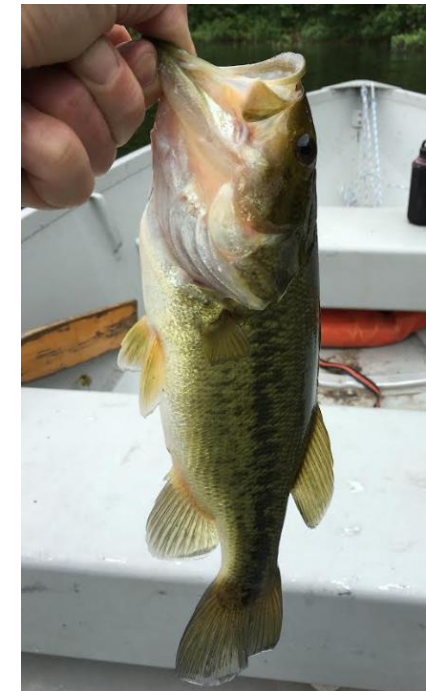


Fishing Merit Badge



Knots
Parts of the Rods & Reels
Tackle
Regulations



Seven Knots

- **Seven Knots**
- <https://www.youtube.com/watch?v=nbeSr-Dxdig&list=PLYSGlt4ypUaKNoiRiOFxdm0QWffK4pYfZ&index=2&t=0s>
- Clinch Knot 0:33
- Improved Clinch Knot 2:36
- Non-Slip Loop Knot 4:54
- Turle Knot 8:35
- Trilene Knot 15:26

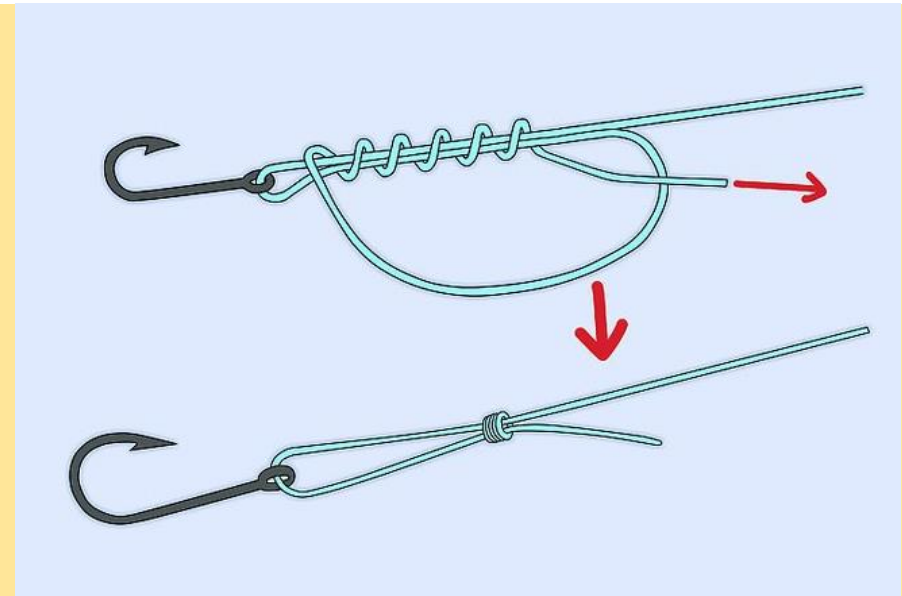
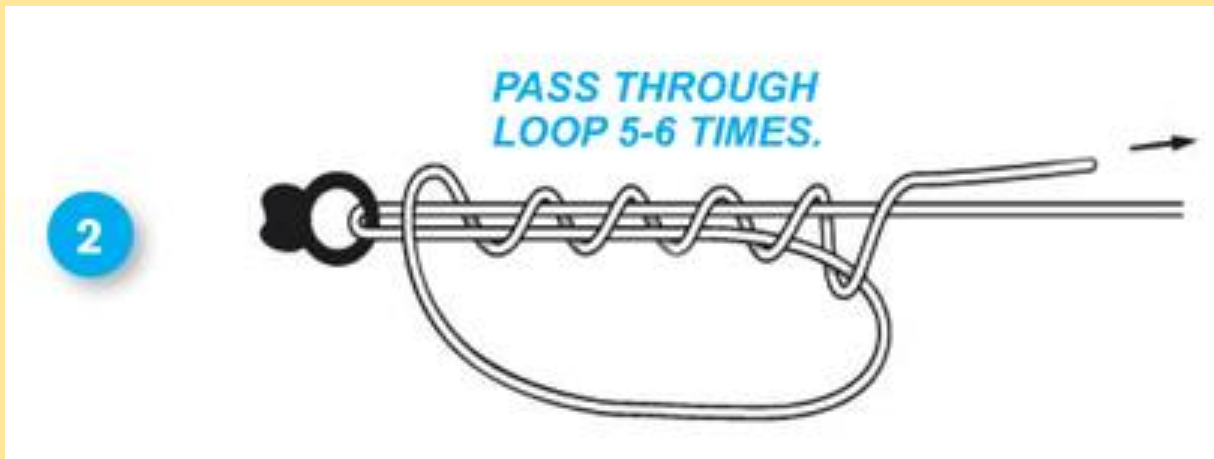
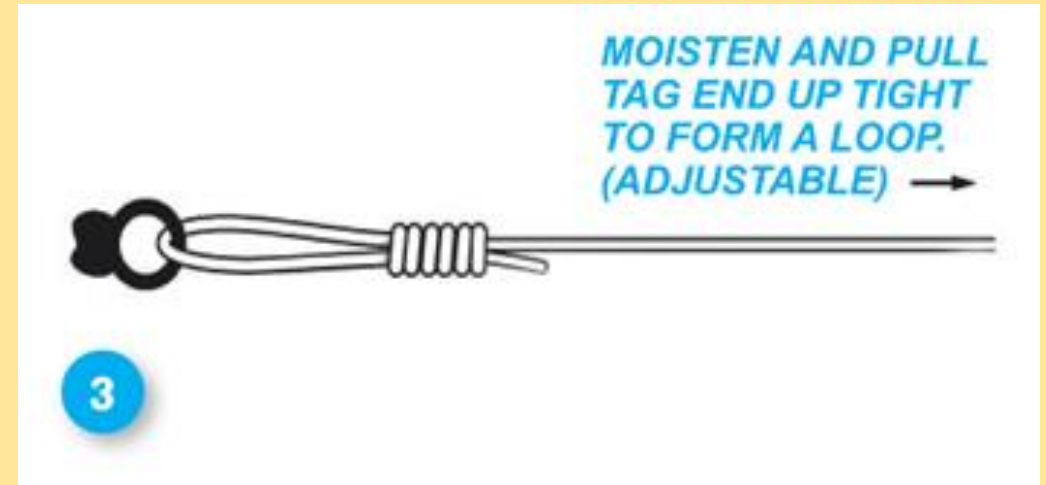
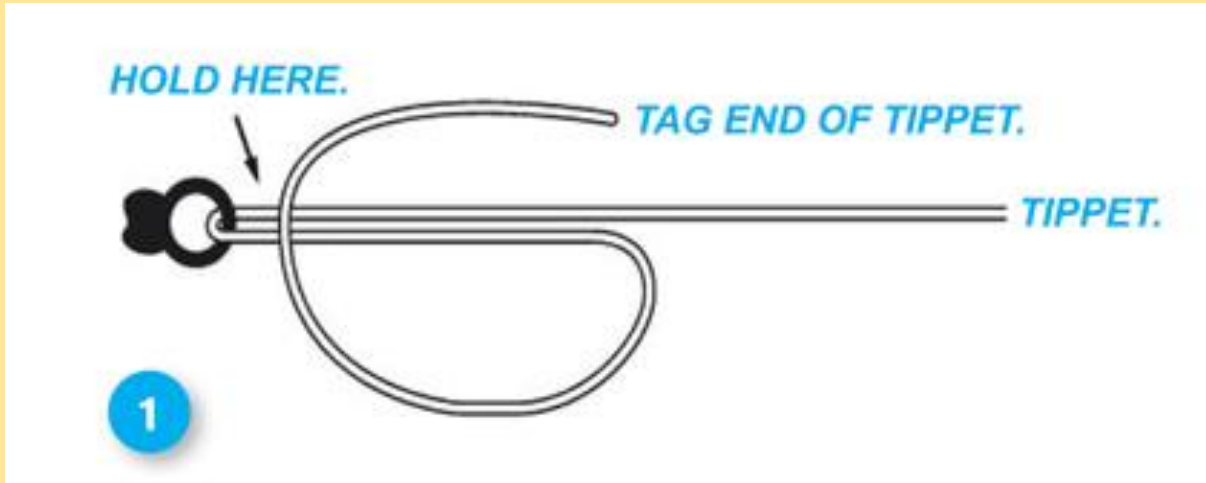
Knot Strength Summary

Trilene Knot	99%
Turtle Knot	92%
Clinch Knot	89%
Pitzen Knot	89%
Non Slip Loop Knot	80%
Homer Rhodes Knot	76%
Improved Clinch Knot	66%

*All Knots tested here were only single knot tests, and everyone can tie a bad knot.
This is no more than a rough guideline of each knot's strength.*

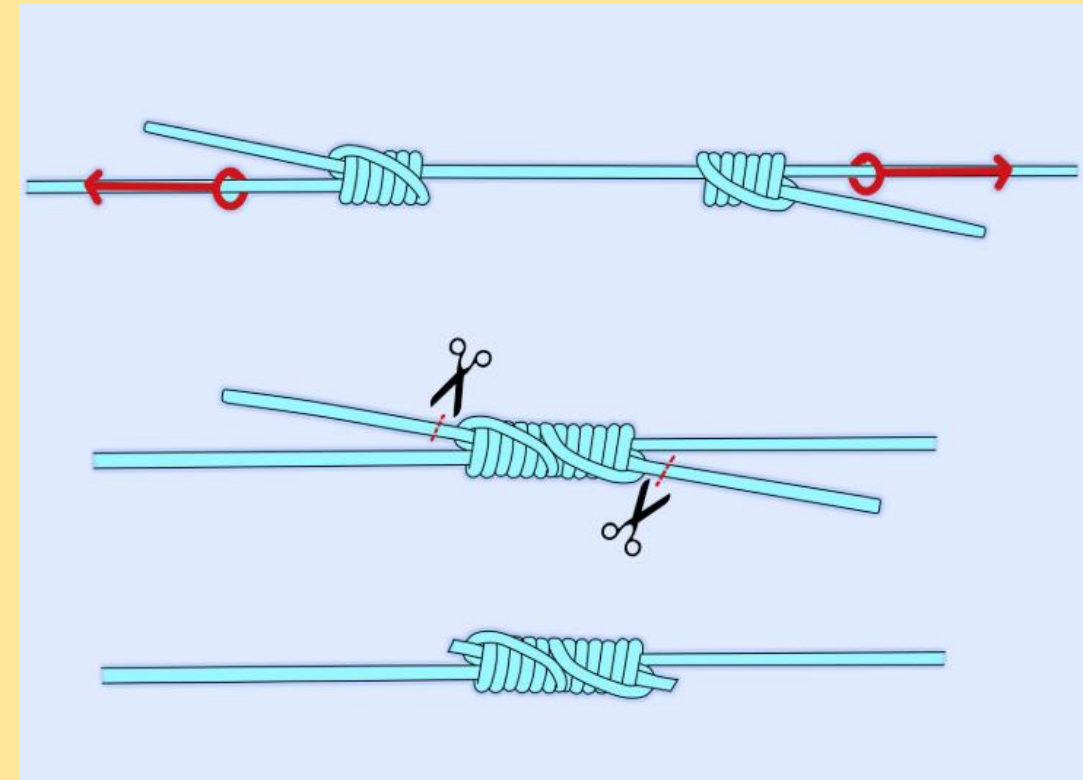
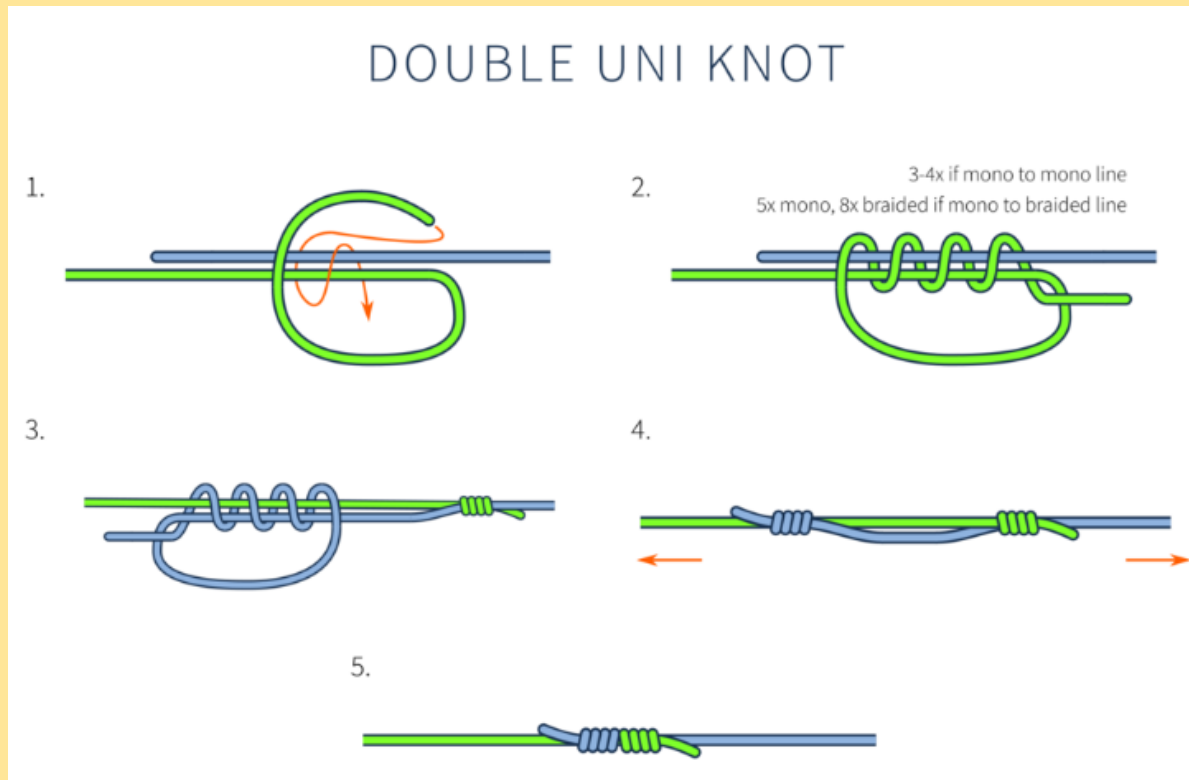
Uni Knot – line to hook (demonstrate)

<https://www.youtube.com/watch?v=MtCKGnZwOb0>



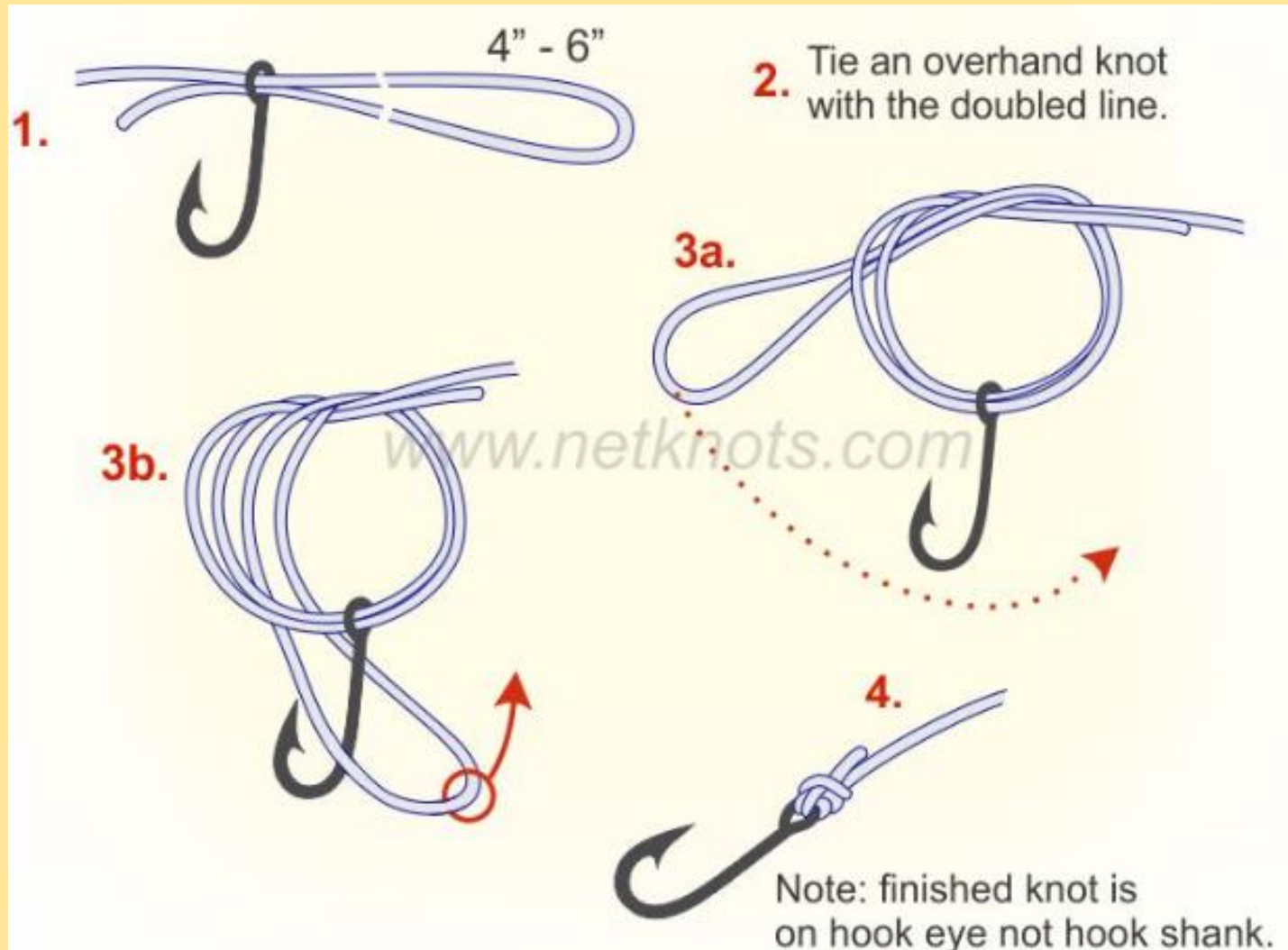
Uni-to-Uni Knot (demonstrate)

- https://www.youtube.com/watch?v=myMSMYy_iYU&list=PLYSGlt4ypUaKNoiRiOFxdm0QWffK4pYfZ&index=3&t=133s

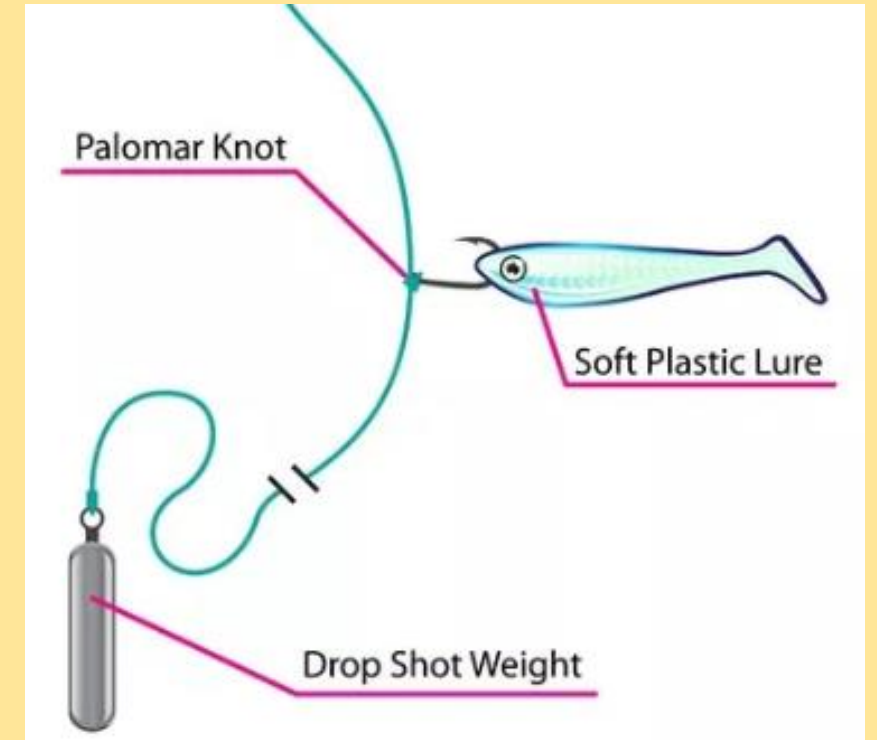


Palomar Knot (demonstrate)

- https://www.youtube.com/watch?v=TFk_Ktw2f1w



Used with
Drop Shot Rig



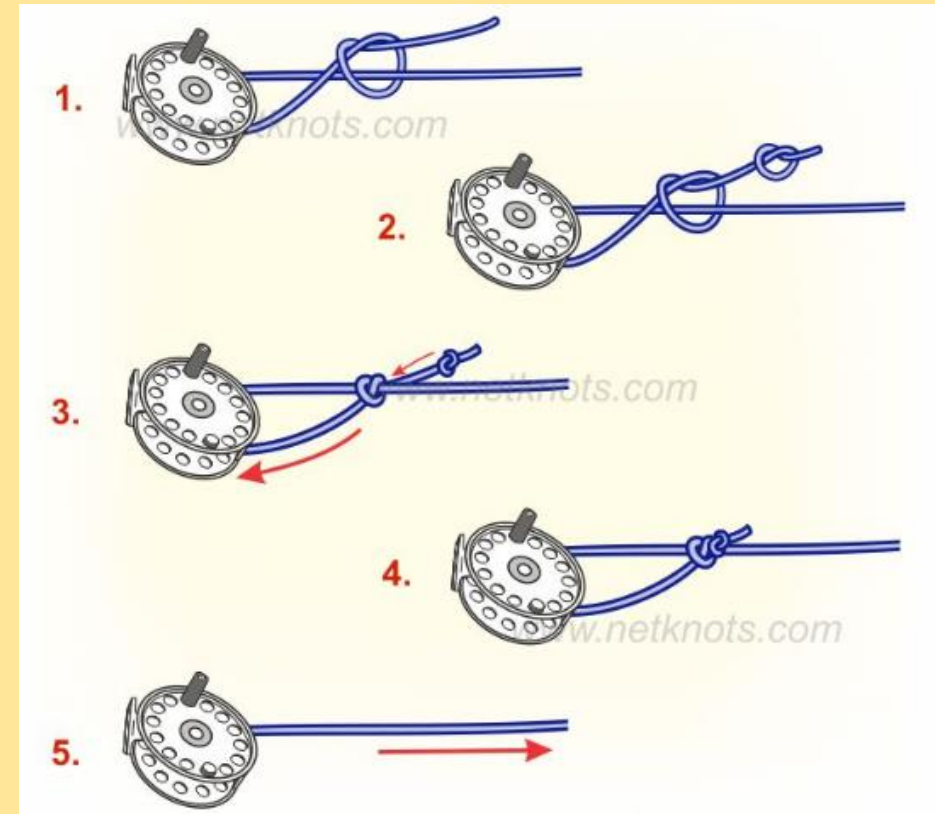
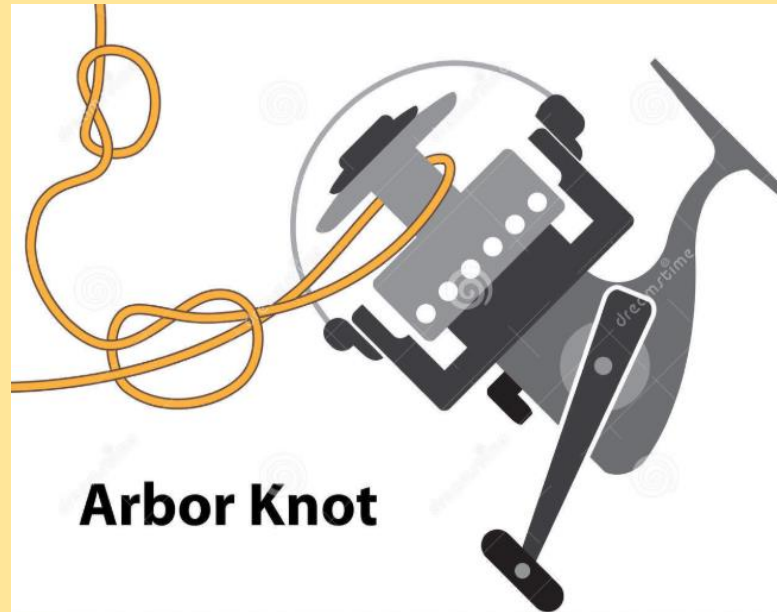
Arbor Knot – to tie onto your spool (demonstrate)

- <https://www.youtube.com/watch?v=a43bskfEOc>

1. Tie overhand knot and tighten

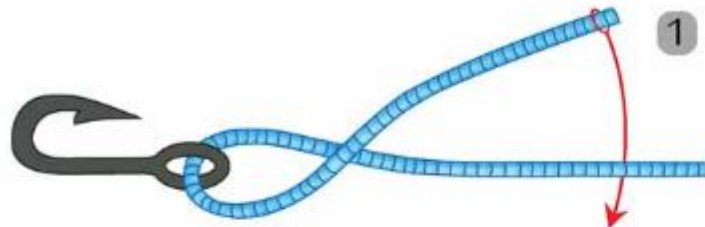

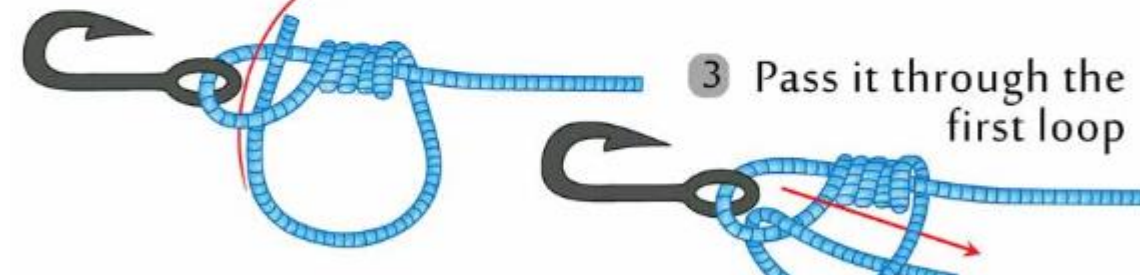

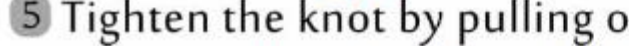
2. Tie overhand knot plus loop and loop over spool

3. Snug up



Improved Clinch Knot (demonstrate)

Improved Clinch Knot Instructions

-  1 Pass the working end through the eye of the hook
-  2 Wrap it 5 times round standing line
-  3 Pass it through the first loop
-  4 Pass it under the bigger loop just created
-  5 Tighten the knot by pulling on both ends

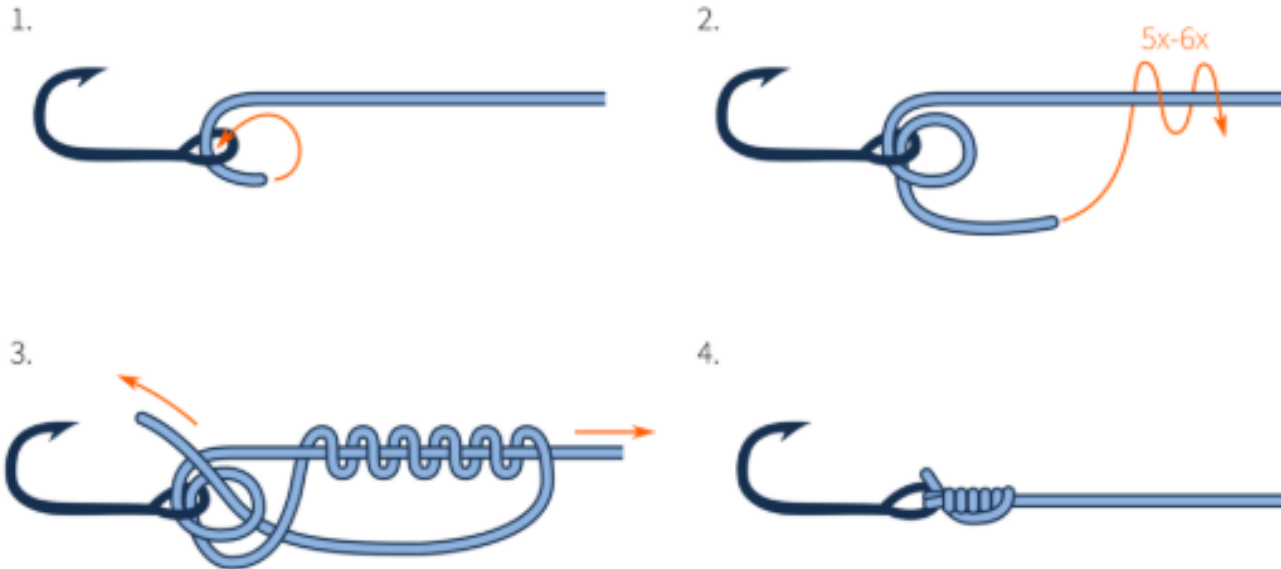
How to Tie an Improved Clinch Knot with Instructions

101KNOTS

Trilene Knot (a better alternative for Improved Clinch Knot)

<https://www.youtube.com/watch?v=0KZc7PV6s9M>

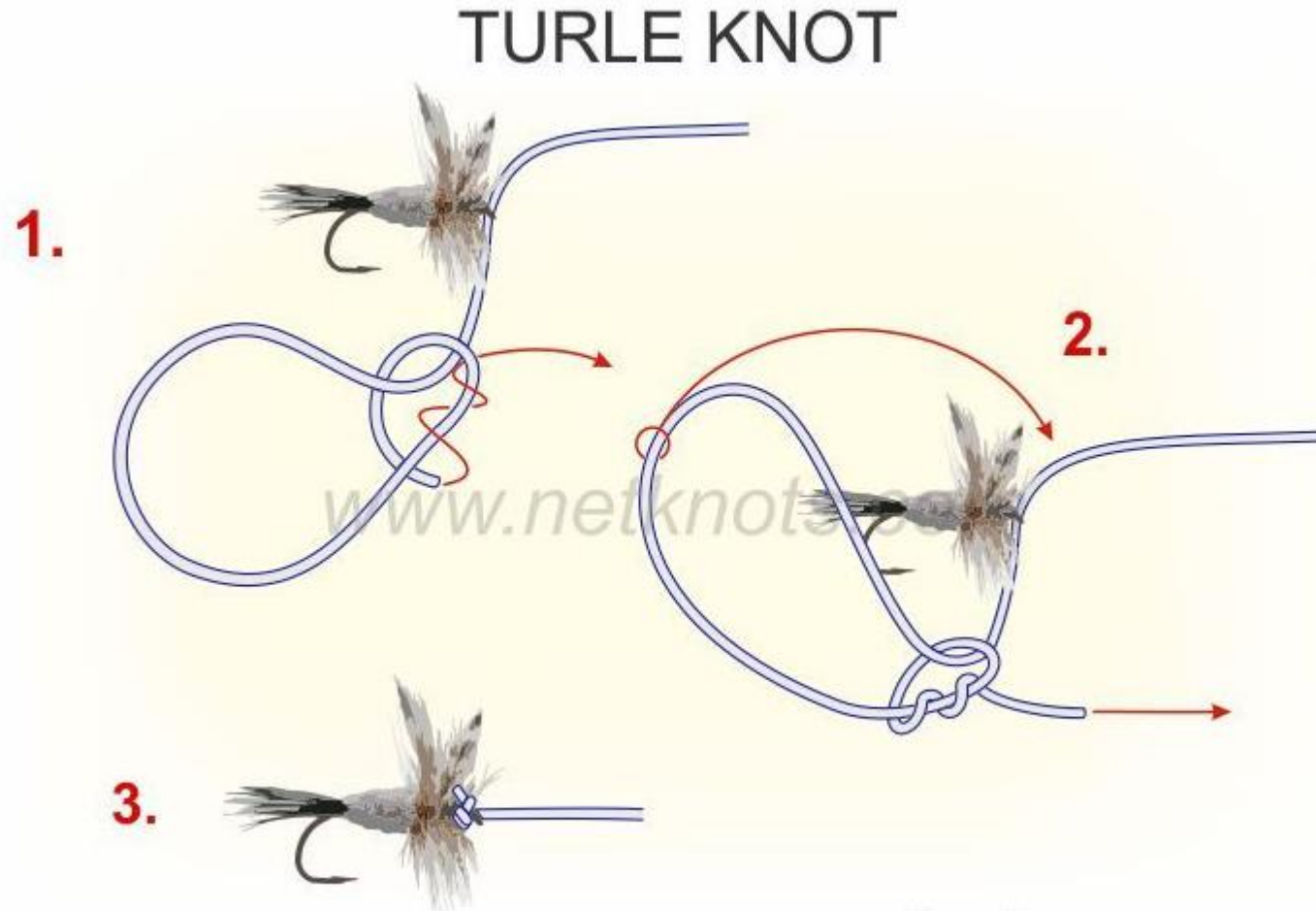
TRILENE KNOT



Turle Knot

<https://ru-clip.net/video/F9Kqgo9-Kro/a-short-film-showing-how-to-tie-the-perfect-turle-knot.html>

Around 50 sec



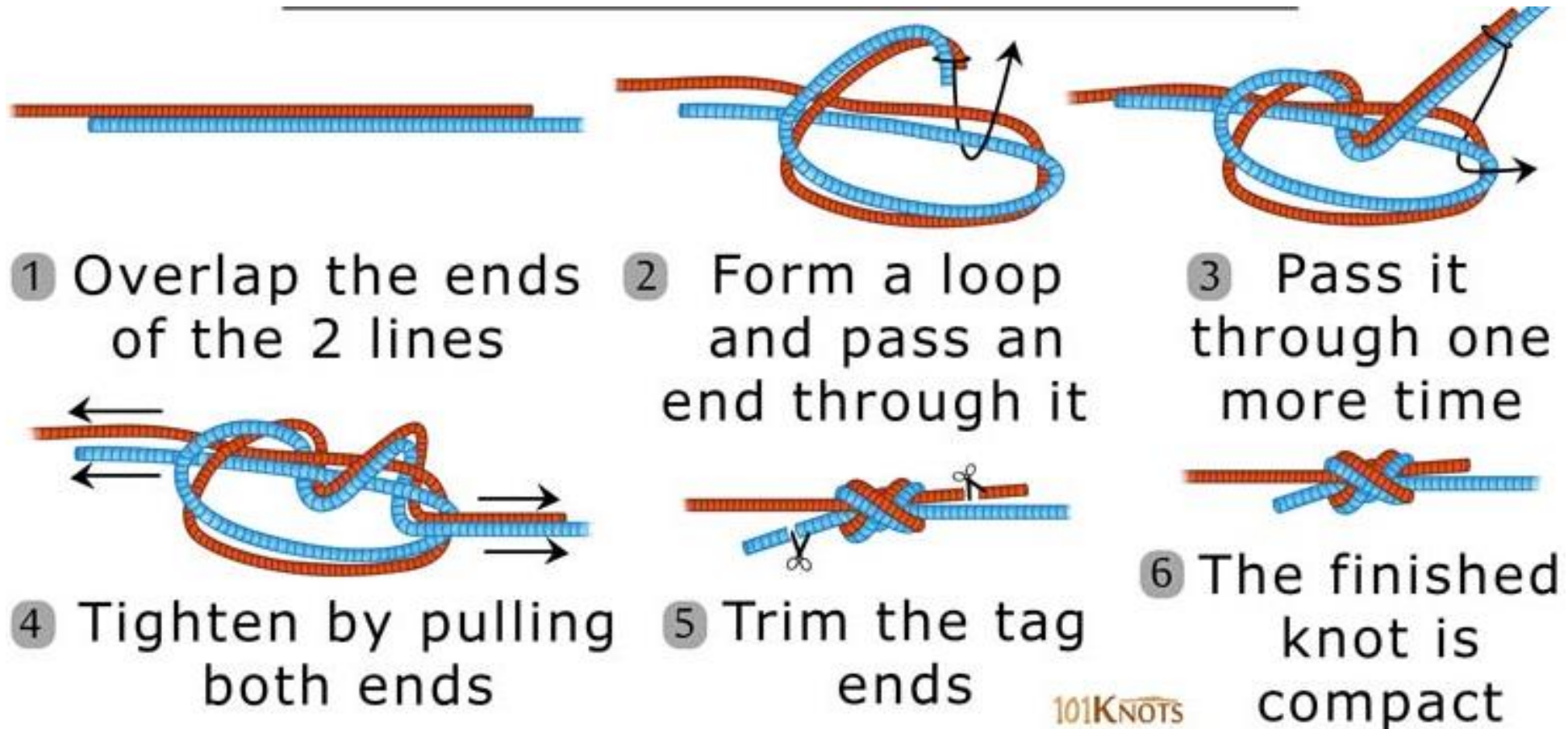
FG Knot – tying a leader to braided line

- <https://www.youtube.com/watch?v=pjzUb5QRKuk&feature=youtu.be>



Double Surgeons Knot – leader to line

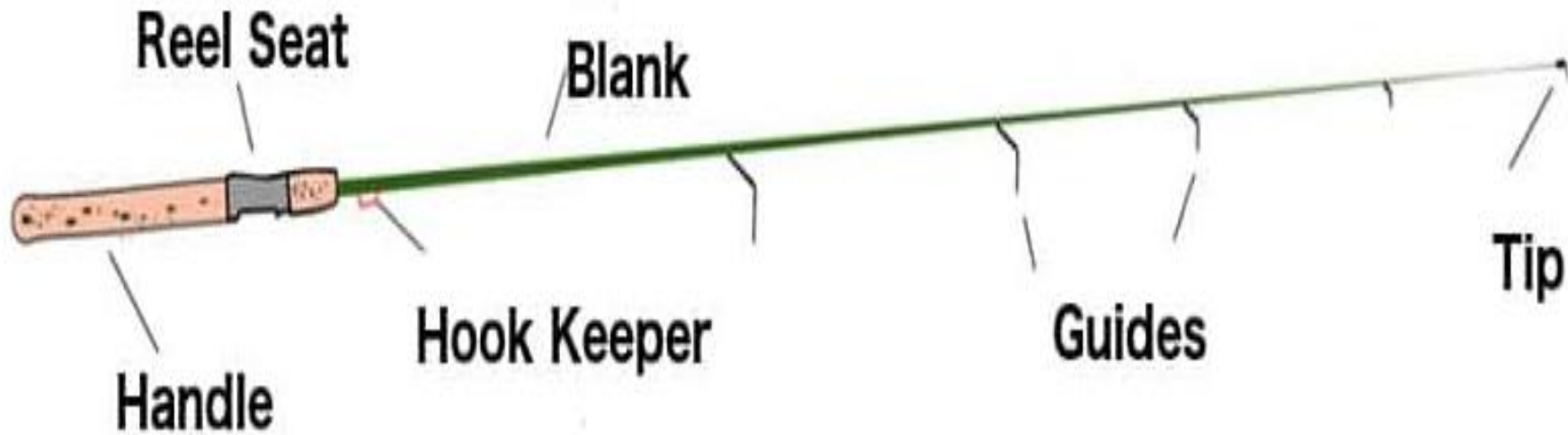
- <https://www.youtube.com/watch?v=LIsD5-W6pFE>
- <https://www.youtube.com/watch?v=imx-2tMIOS8>



Spinning Reel



Spinning Rod

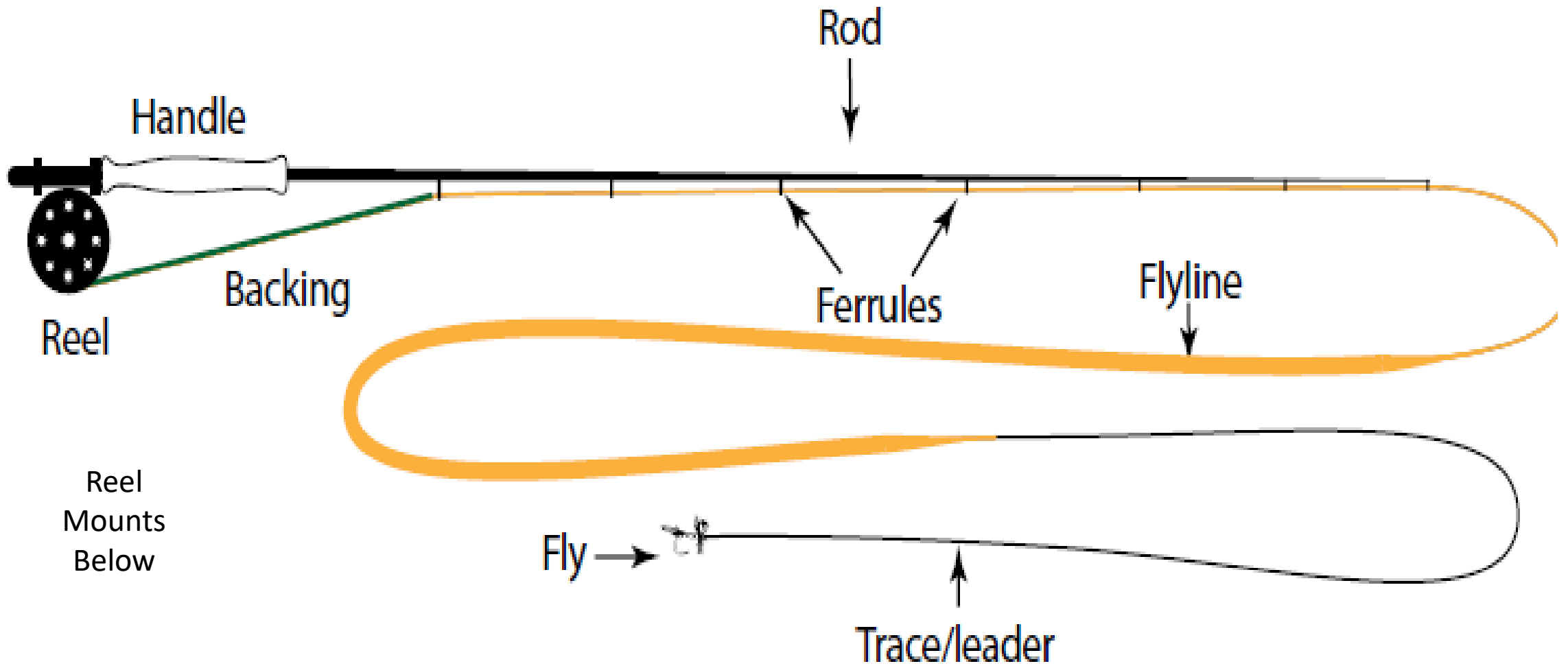


Reel
Mounts
Below

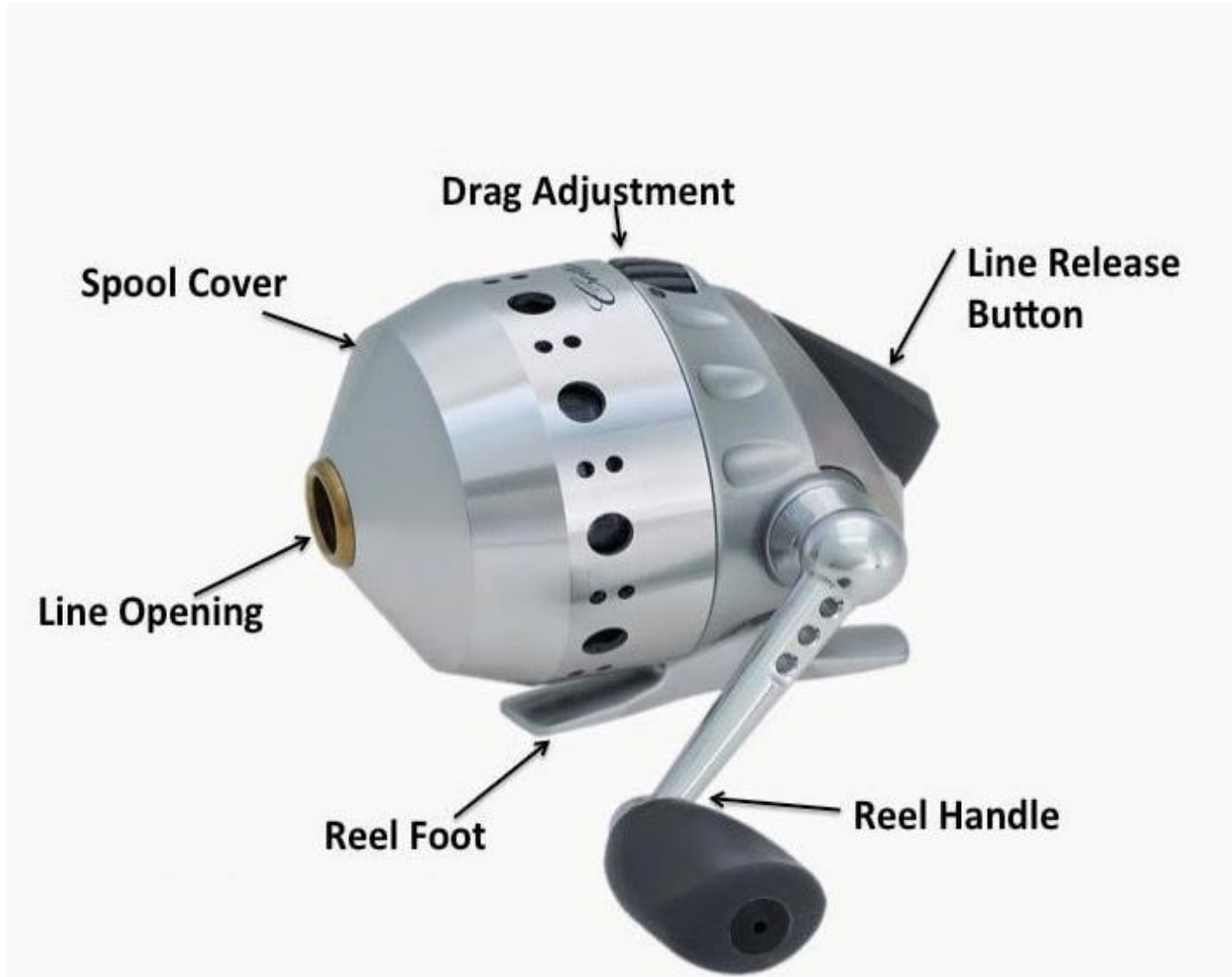
Fly Fishing Reel



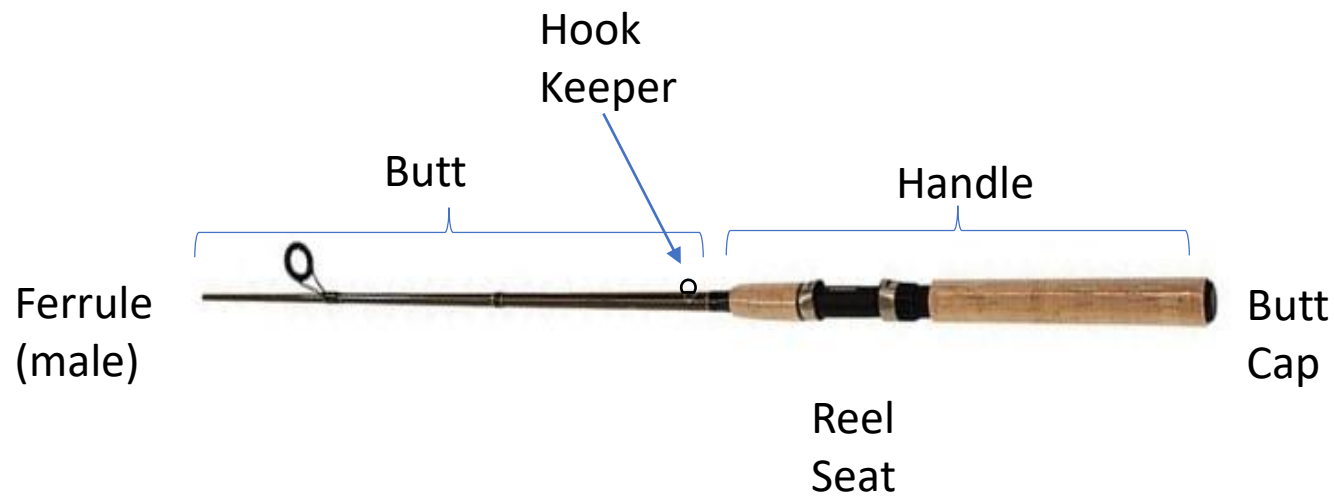
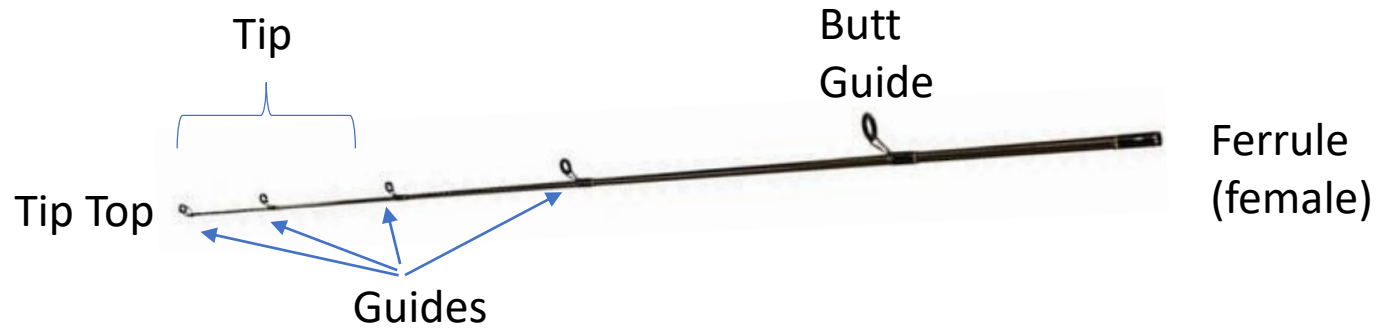
Fly Fishing Rod



Spincasting Reel



Spincasting Rod



Putting line on a spinning reel

Step 1

Open the bail and remove the all of the old line.

Step 2

Place the manufacturers line spool in the ground with the label facing up. Strip off several feet of line from the spool and thread the new line through the butt guide and attach it to the reel's spool with an arbor knot.

Step 3

Close the bail. Engage the reel by turning the handle several times. Lightly pinch the line coming to the reel and make sure the reel takes in the line. The line should come of the spool counterclockwise. Fill to about 1/16" from the edge of the rod's spool.

Option Step 4

Take off the spool from the reel, and put it in a glass of warm (not hot) for about 5 minutes to "set" the line to diameter of the spool. This process helps to ensure no line twist.

Putting line on a spincasting reel

Step 1

Remove the old line by first unscrewing the spool cap. Depress the casting button to put the reel in free-spool. Pull all of the old line from the spool and cut the knot that ties the line to the spool.

Step 2

Strip off several feet of line from the new spool. Thread the new line through the butt guide. Run the line through the spool cap and attach it to the reel's spool with an arbor knot.

Step 3

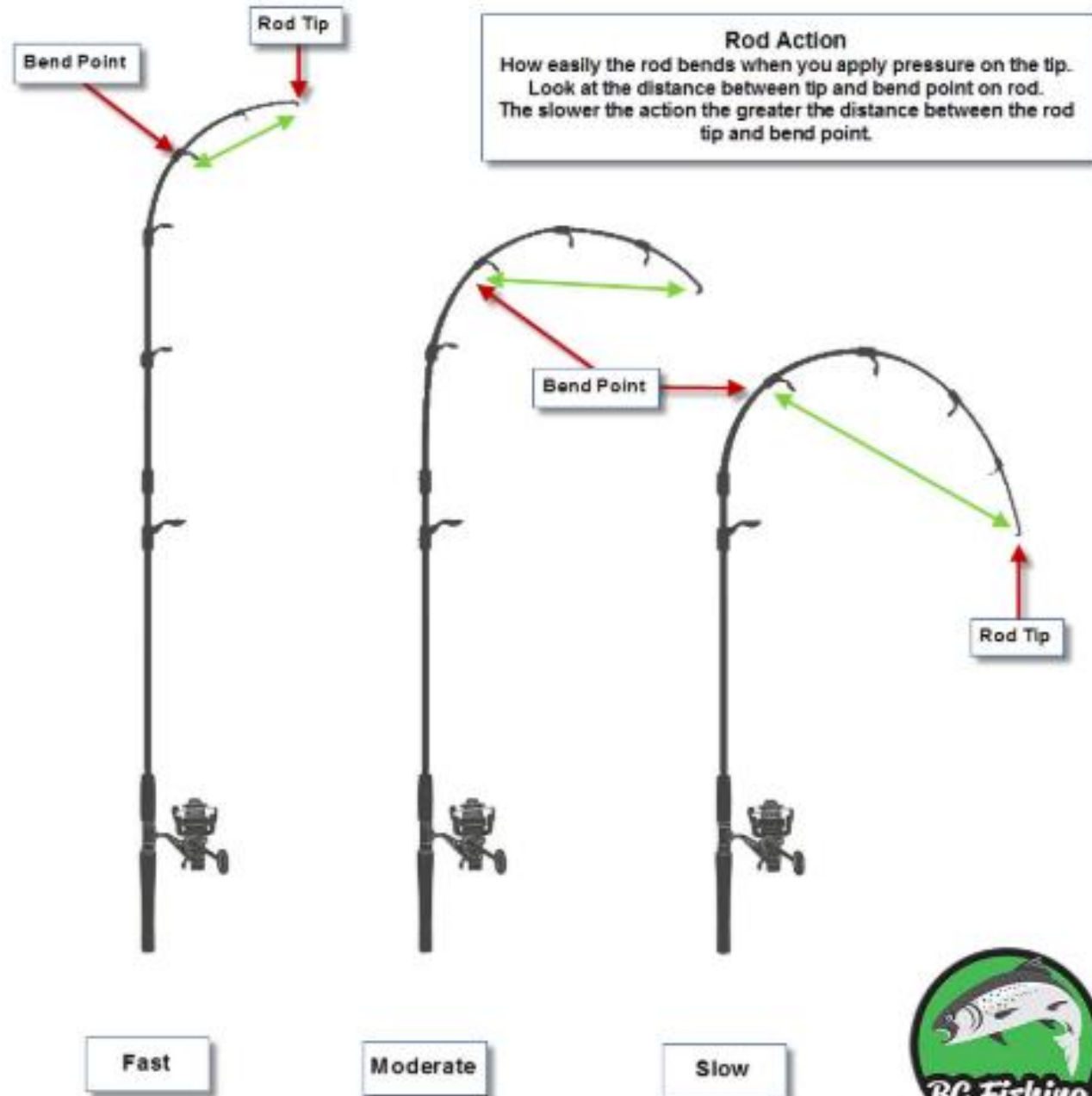
Engage the reel by turning the handle several times. Reinstall the spool cap by screwing it back on until tight.

Step 4

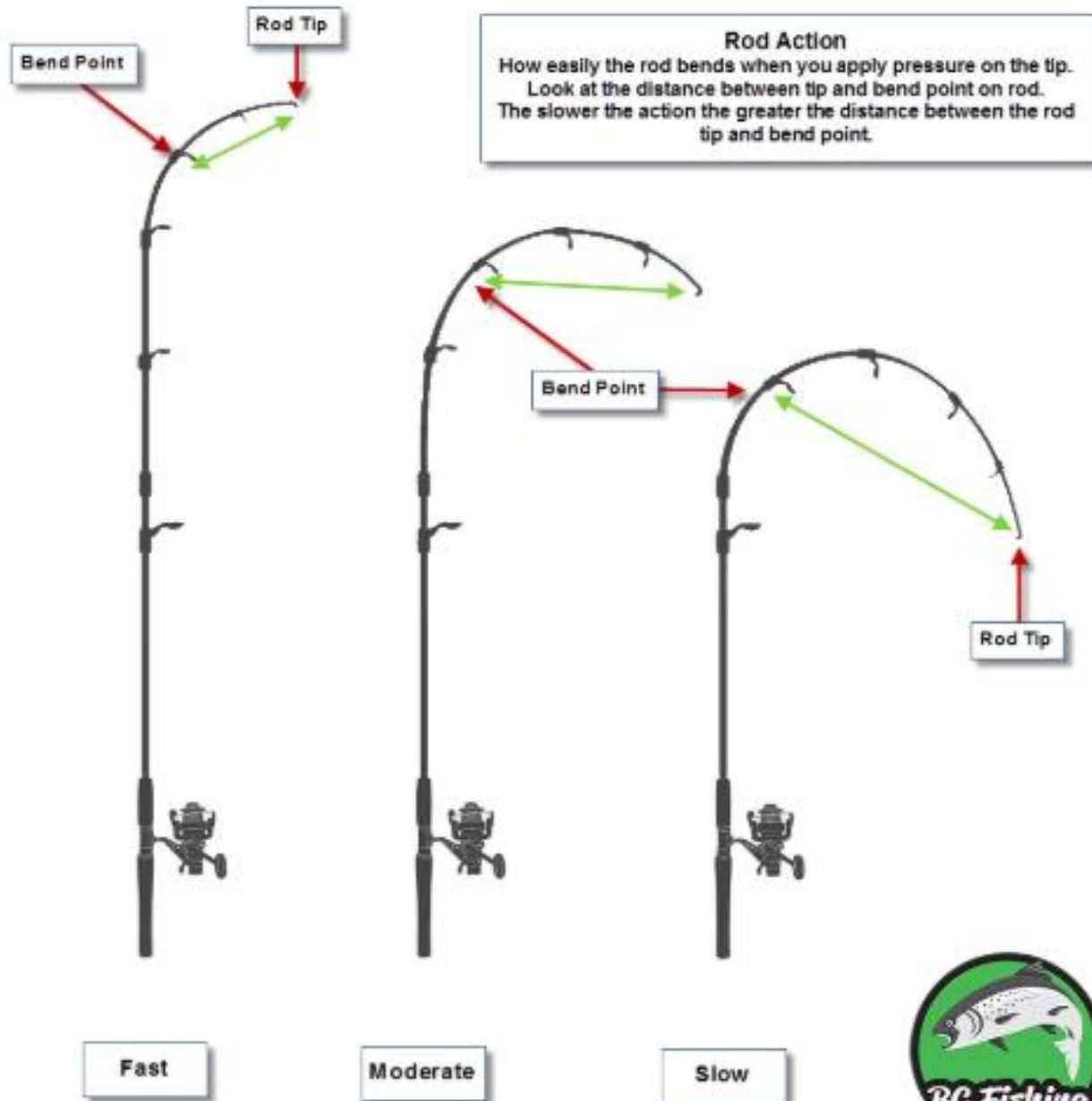
Make sure the manufacturer's spool has the label facing up. Most spincasting reels revolve clockwise and the line comes off the manufacturer's spool in the counter-clockwise direction.

https://www.trails.com/how_31601_string-zebco-fishing-reel.html

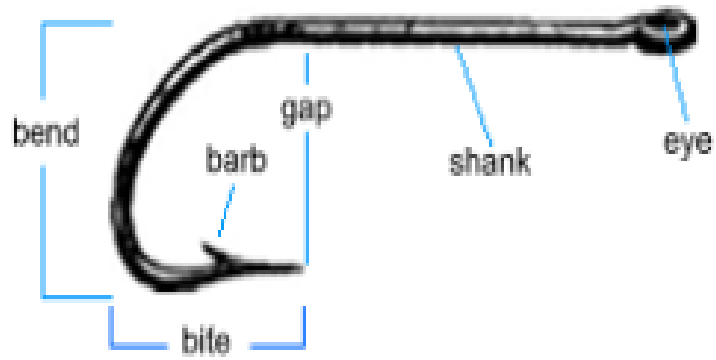
Rod Speed



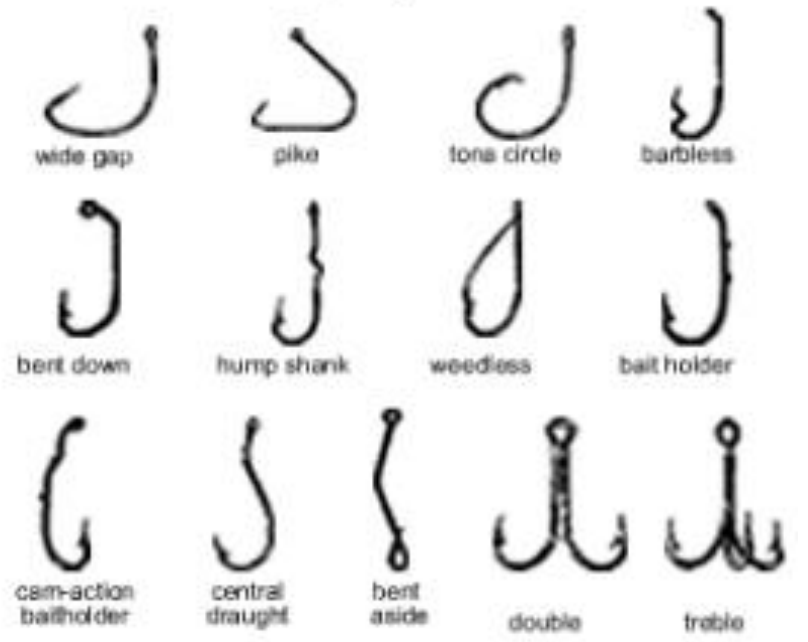
Rod Power



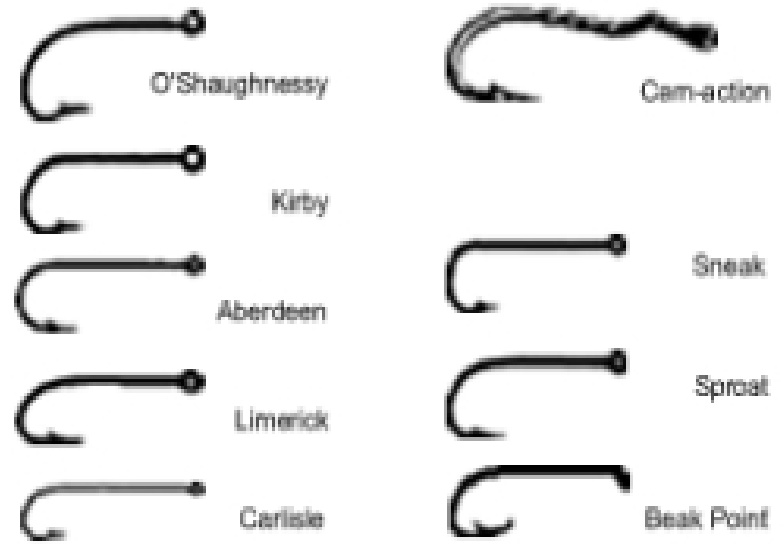
Hooks



Specialty Hooks

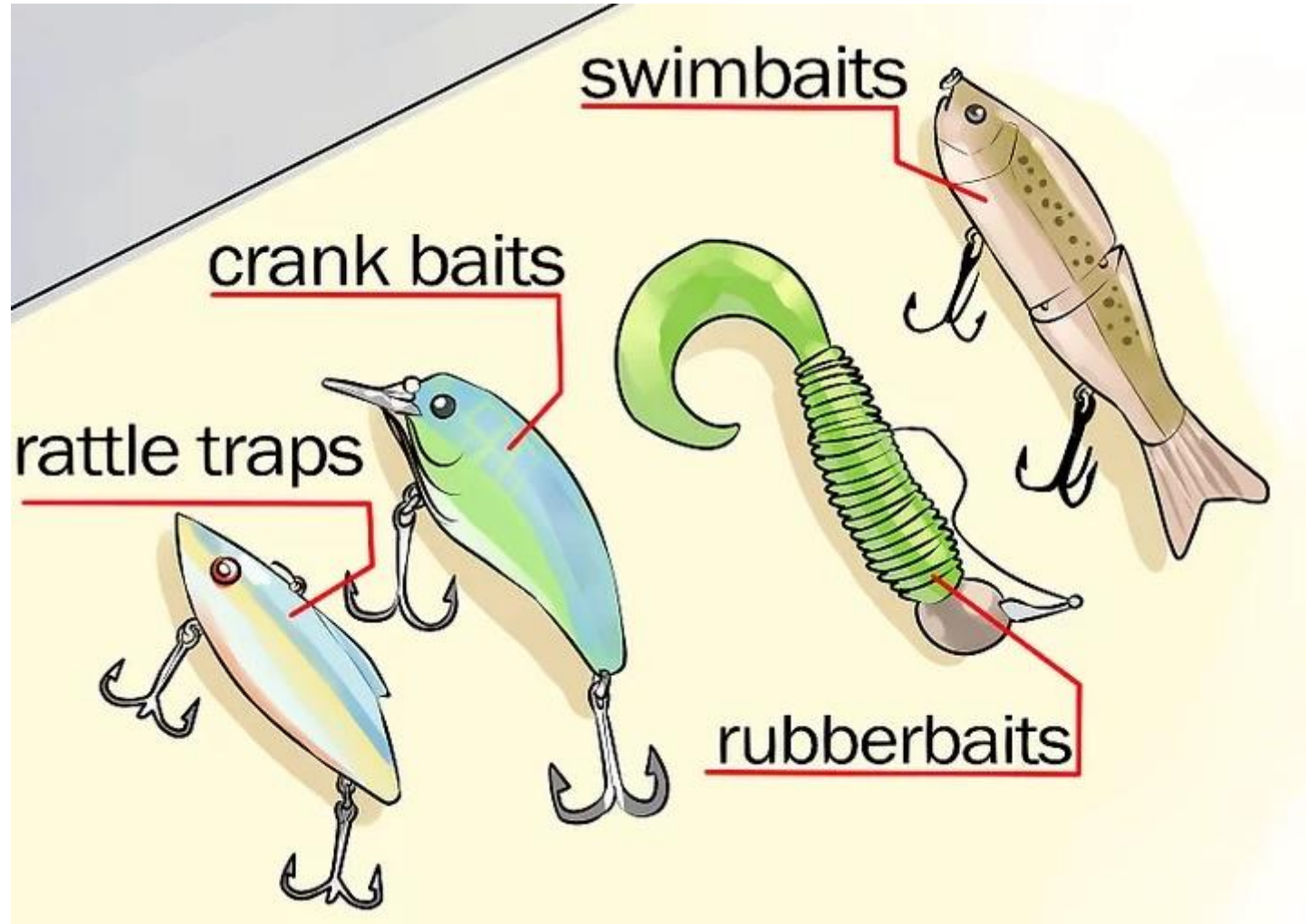


Types of Fish Hook



Crank Baits

- Swim Jigs
- Shad
- Rattlers
- Spinners
- Spoons
- Plugs
- Specialty



Artificial Lures – Swim Jigs

Good for: Bass,
Northern Pike



Artificial Lures – Jigs

Good for: Walleye



Artificial Lures – Plastic Worms

Good for: Bass,
Northern Pike



Wacky Rig With 2/0 Worm
Hook With Guard



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Artificial Lures – Shad

Good for: Bass,
Northern Pike



Floaters and divers

Artificial Lures – Shad

Good for: Northern Pike



Usually a diver

Artificial Lures – Shad (Rattlers)

Good for: Bass

The dot indicates
there is a rattle



Artificial Lures – Spinners and Spoons

Good for: Bass,
Northern Pike,
Perch, Croppy



Artificial Lures – Spoons

Good for: Bass and
Northern Pike



Artificial Lures – Plugs

Good for: Bass and
Northern Pike



They float but will
dive the faster you
retrieve the lure

Artificial Lures – Jointed

Good for: Northern Pike and Musky



Artificial Lures – Musky

Good for: Musky



Artificial Lures – Musky

Good for: Musky



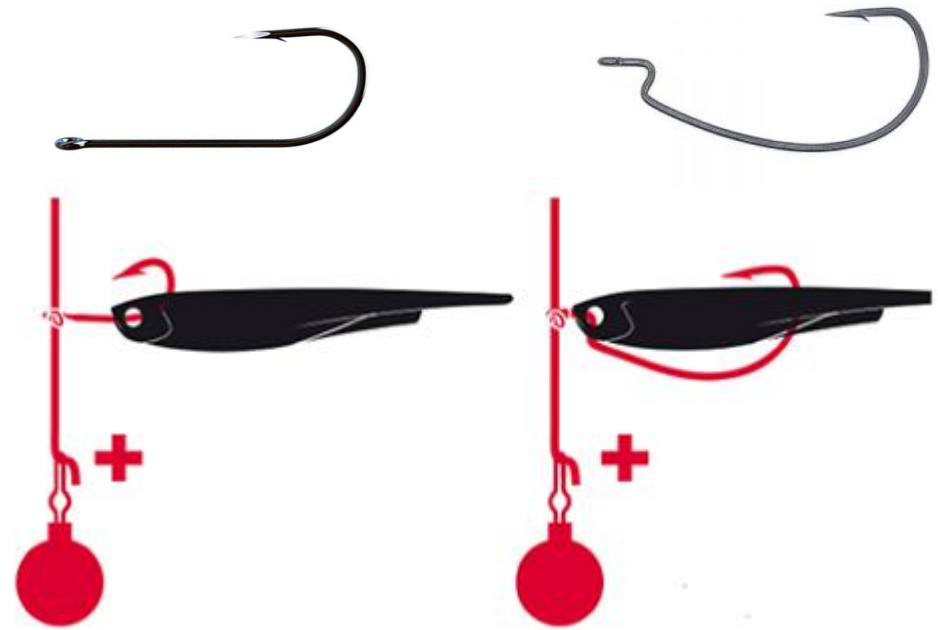
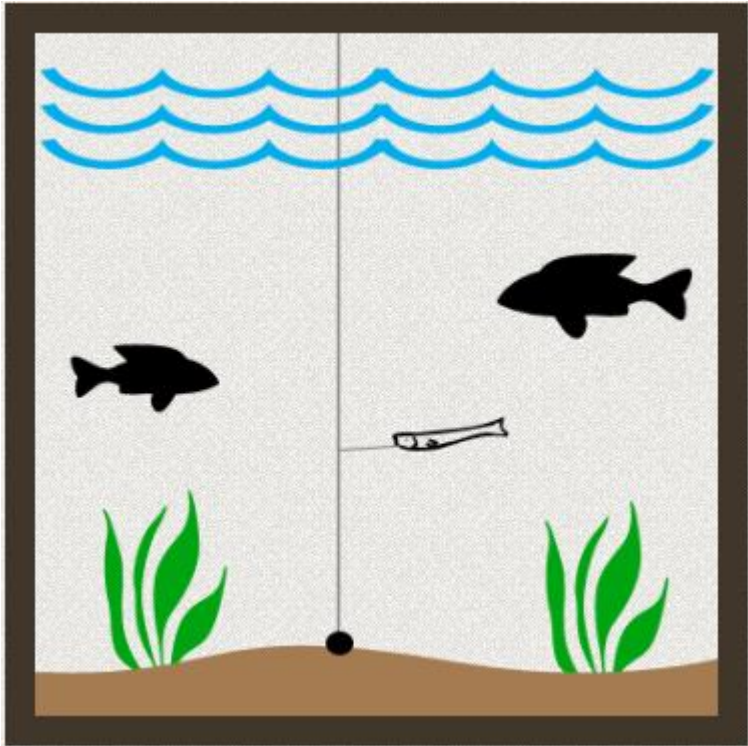
Live Bait – Minnows/Chubs



Live Worms



Drop Shot Rig



You can use minnows, worms, and plastic lures



Different weight types

Texas Rig



The weight slides up and down the line and is pointing in the direction of the rod so it doesn't snag as easily during retrieval.



Wisconsin Fishing Regulations

- Good for 2-5 years
- License if 16 years or older
- State wide regs: pgs 8-27
- Body of water specific regs: pgs 28-End
 - Organized by County
- Invasive species: pgs 17-19
- Bag limits p 9, p13
- Tagged fish: p22
- Inland Trout/Great Lakes Salmon Stamp privileges: p7
- Minnows and other bait fish regs: pgs 18-19



Vilas County Rules: pgs 54-57

- What are the regulations for lakes/water we may fish?
- Whitesand Lake
- High Lake
- Day Lake
- Manitowish River
- Upper Gresham Lake

Resources I Have

- Lake Survey Maps
- Fishing Hot Spots Book – Boulder Junction Area
- Sportsman's Connection - Northern Wisconsin Guide Book
 - Fishing Maps of Vilas Area