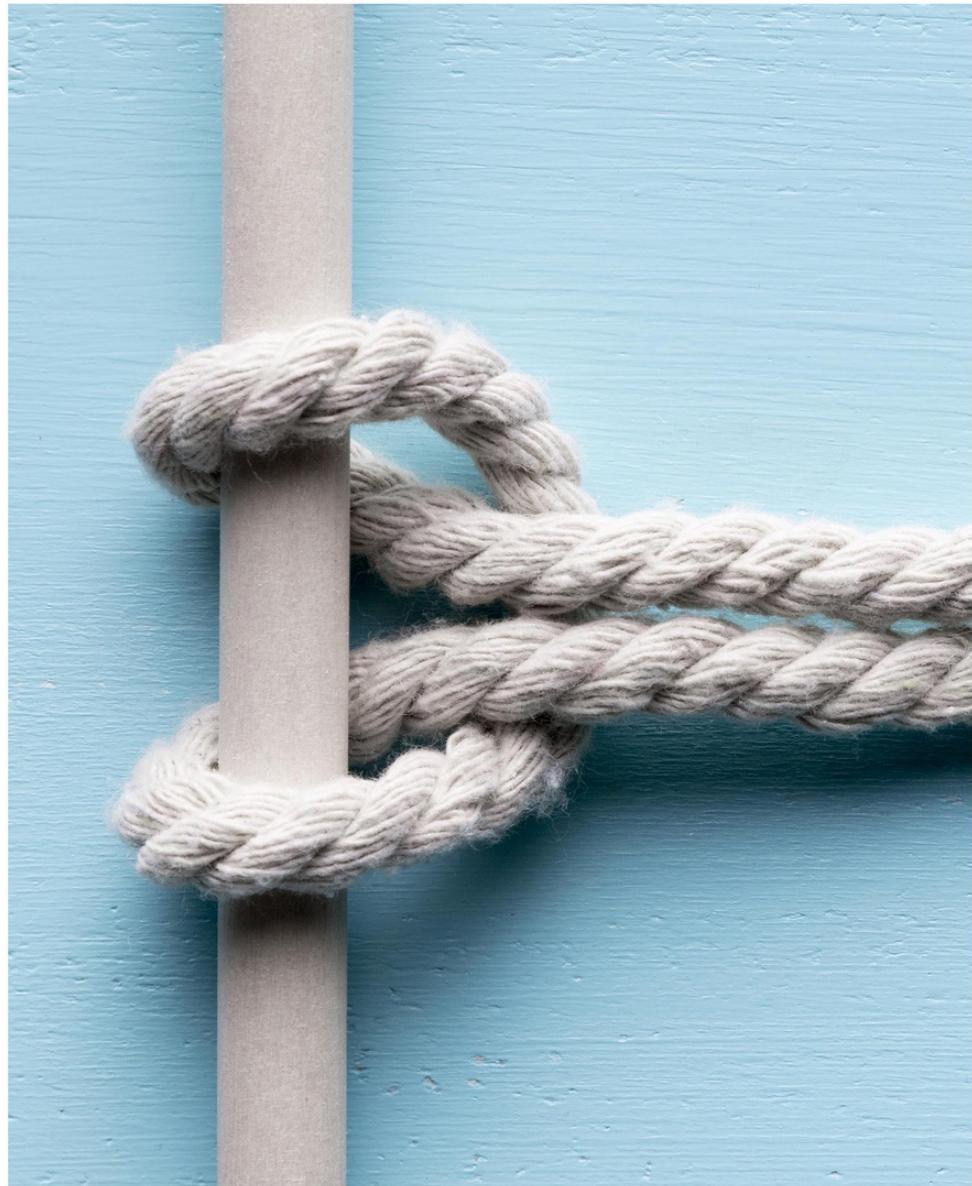


USEFUL KNOTS BOOK

STEP BY STEP



A KNOT TYING GUIDE
FOR BEGINNERS

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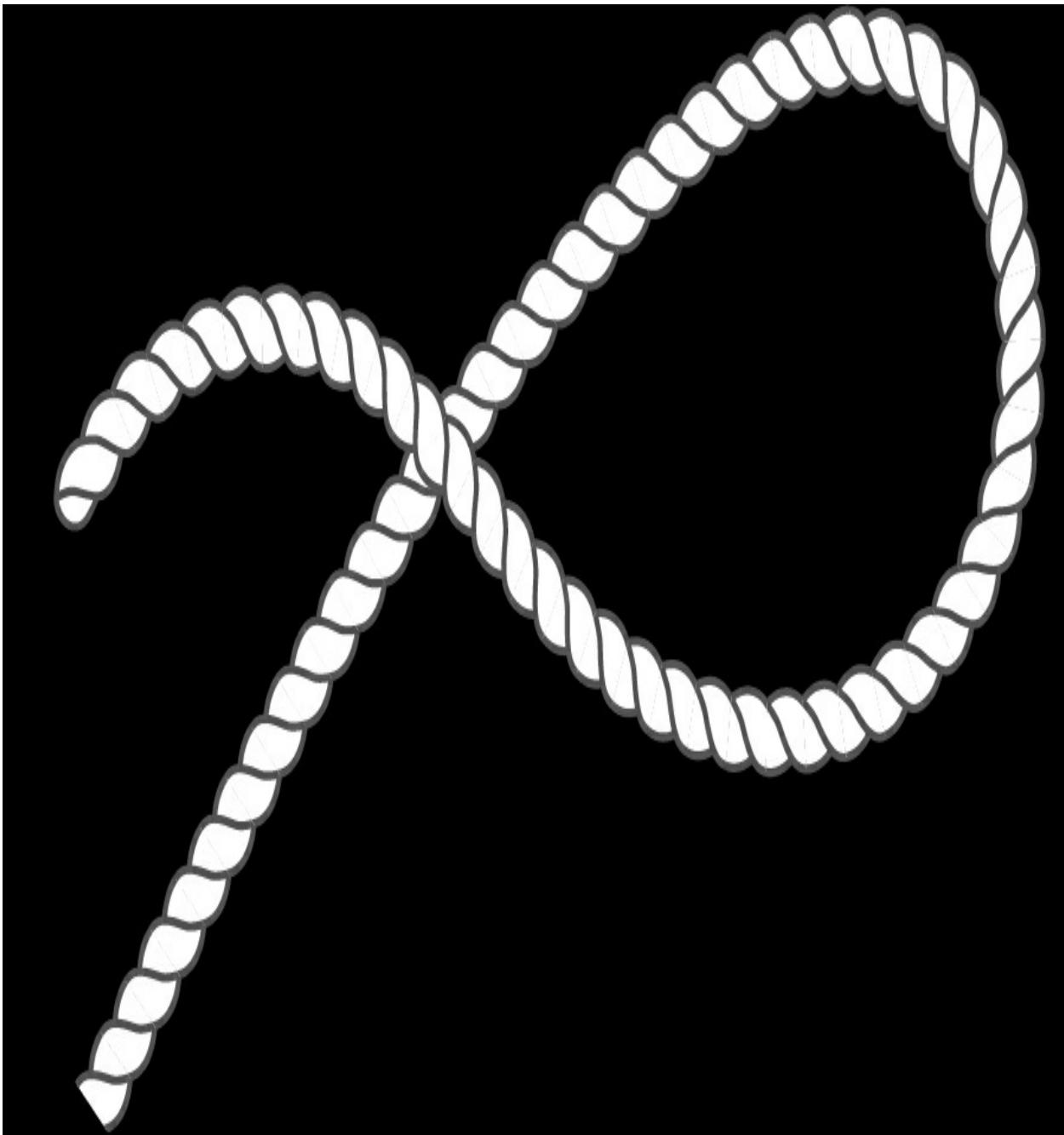


**THANK YOU.
BEFORE YOU START**

Bight : its the bend in between the ends of the rope which does not cross over itself



Loop : Similar to a bight but The ends cross over, Meaning creating a closed circle



Rope : Refers to Cord, Rope, String, Or any other material using to tie a knot

Overhand Knot

The Easiest rob knot.

Used for :

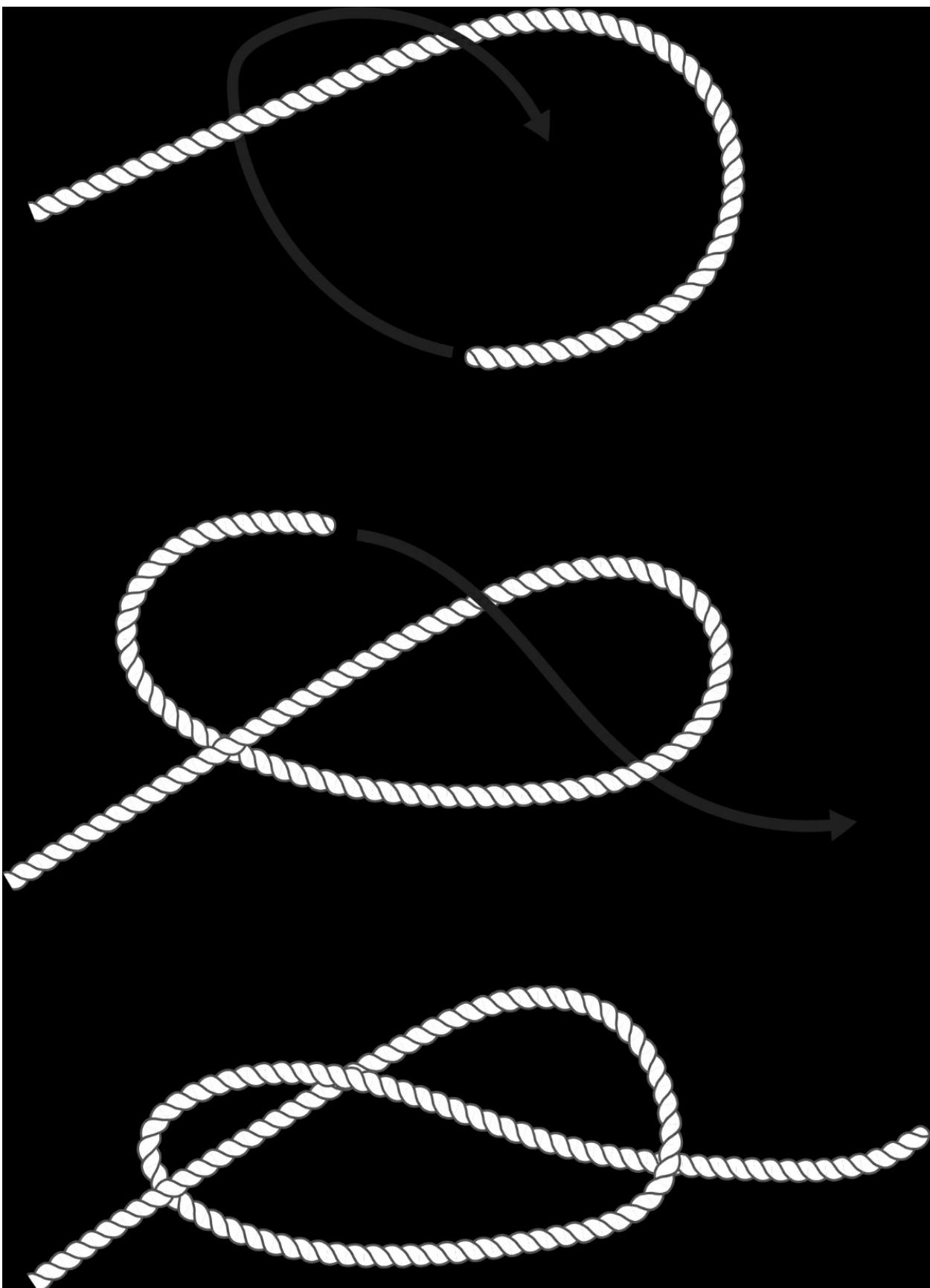
-Stopper knot at the end of a rope. (prevents a rope from sliding through a

fixed point.)

-Safety knot for end of the rope for other knots.

Overhand Knot Instructions

- 1 - Make A loop by passing the tag End over the standing part.
- 2 - tuck it inside the loop and pull it out completely.



2 - pull bot ends to tighten.

Overhand Loop Knot

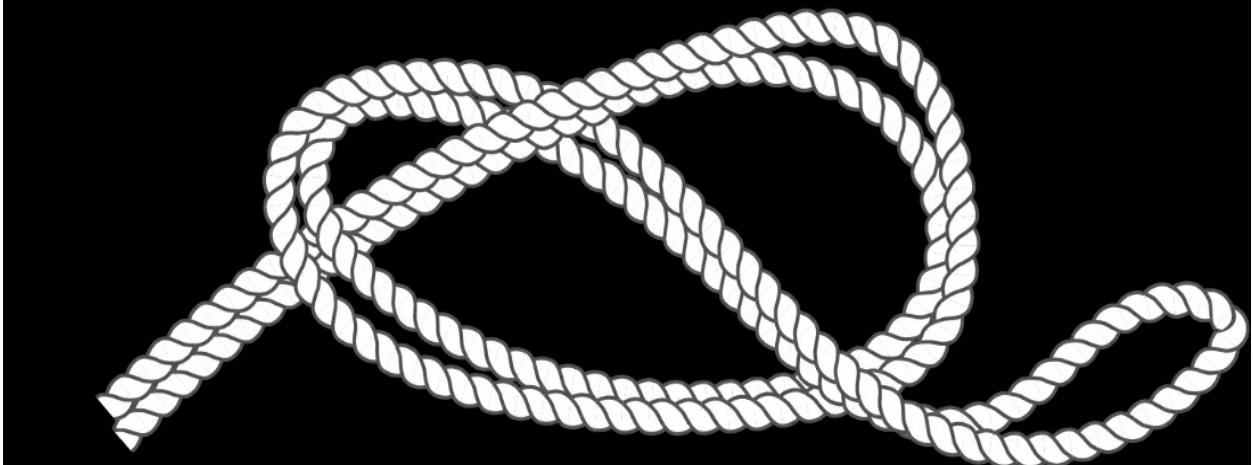
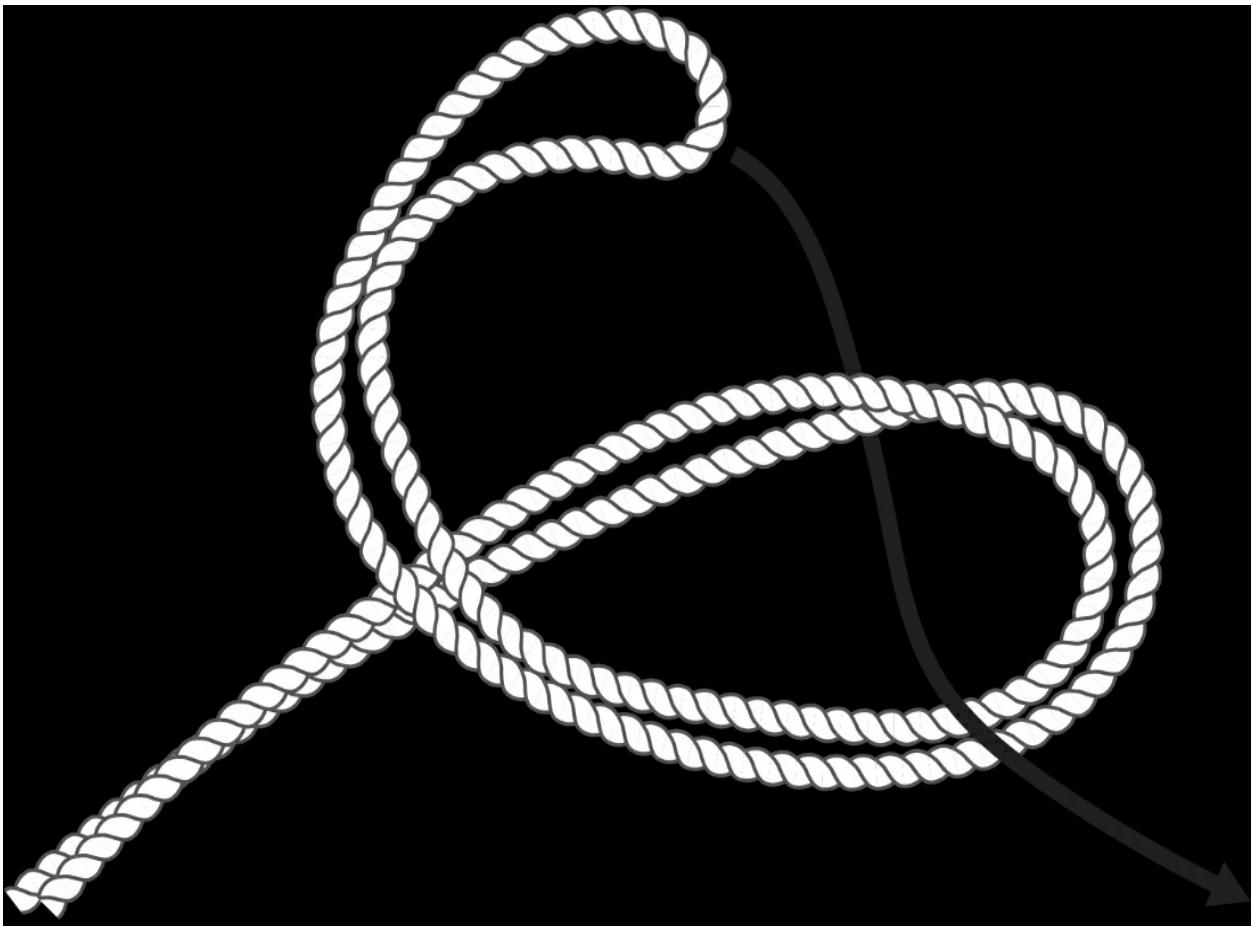
Used to create a loop at the end of a rope.

Used for :

-Simple way to create an attachment point for a hook or clip.

Overhand Loop Instructions

1 - Double the end of a rope or form a bight anywhere on a line. Tie an Overhand Knot with the doubled rope of the loop that was formed.



2 - Adjust the loop before tightening to make it as small or large as desired.

Figure Eight Knot

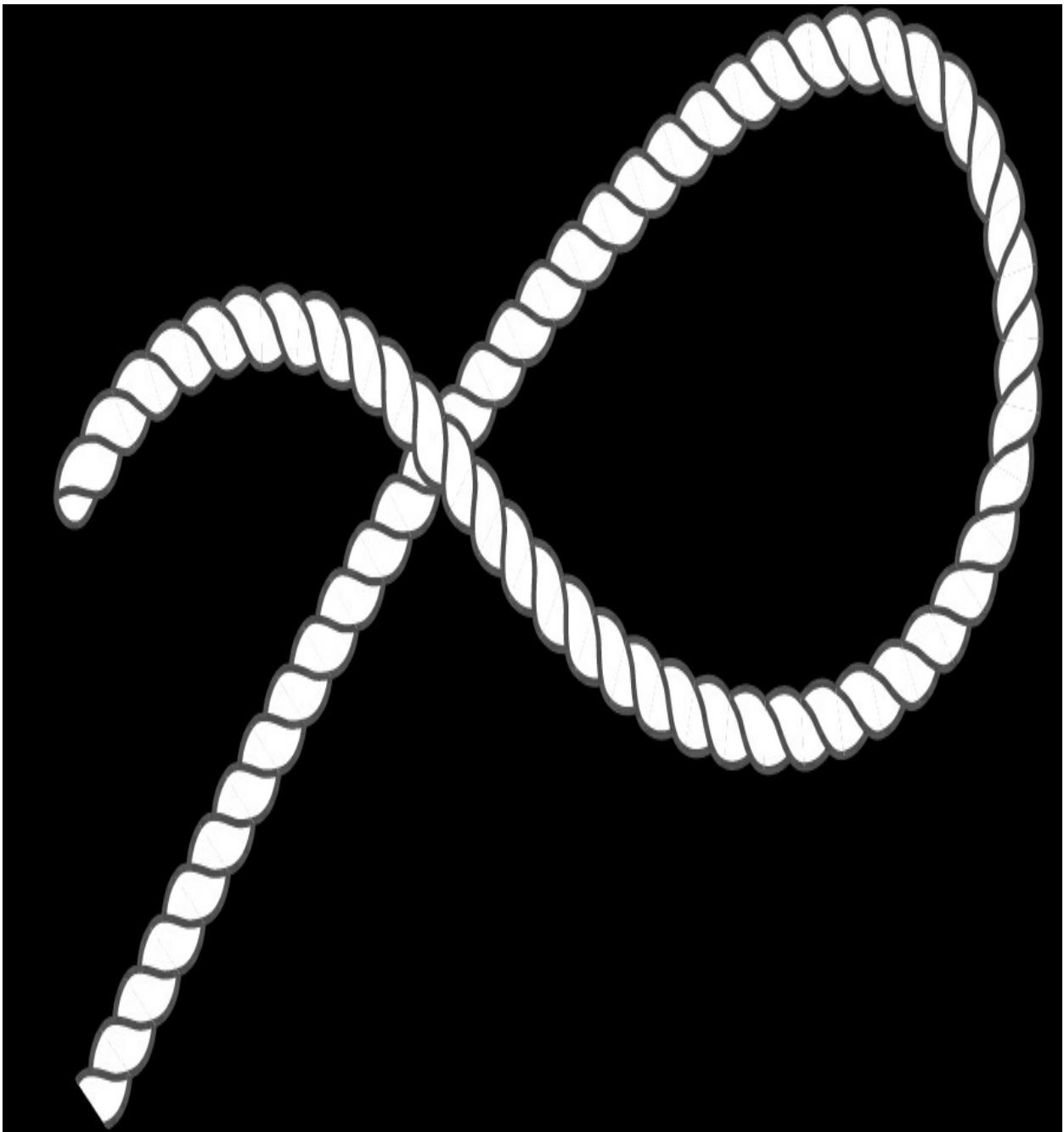
Basic foundation of Figure 8 series knots.

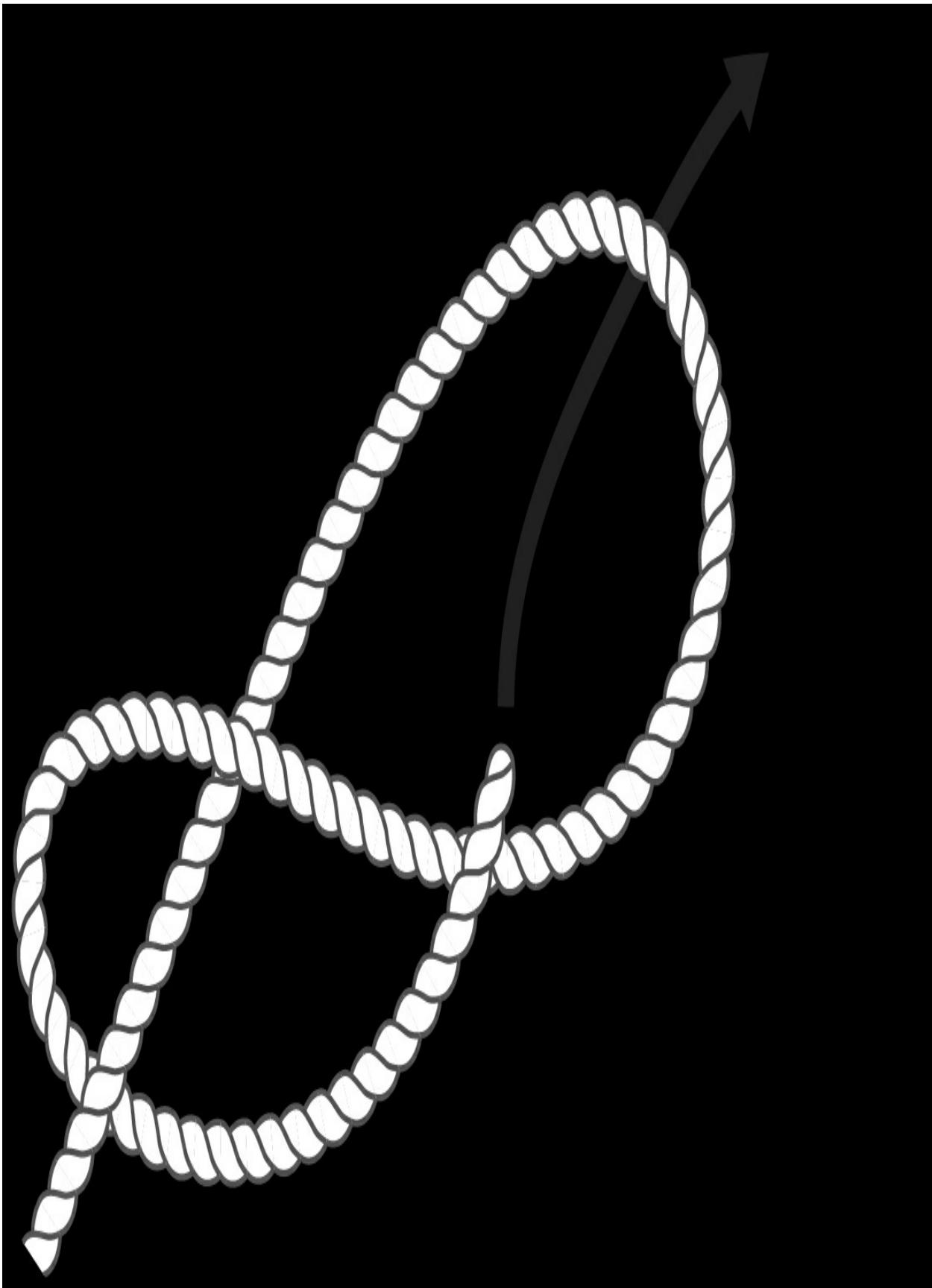
Used for :

- Can be used as a stopper knot.
- Easily untied knot even after being loaded.

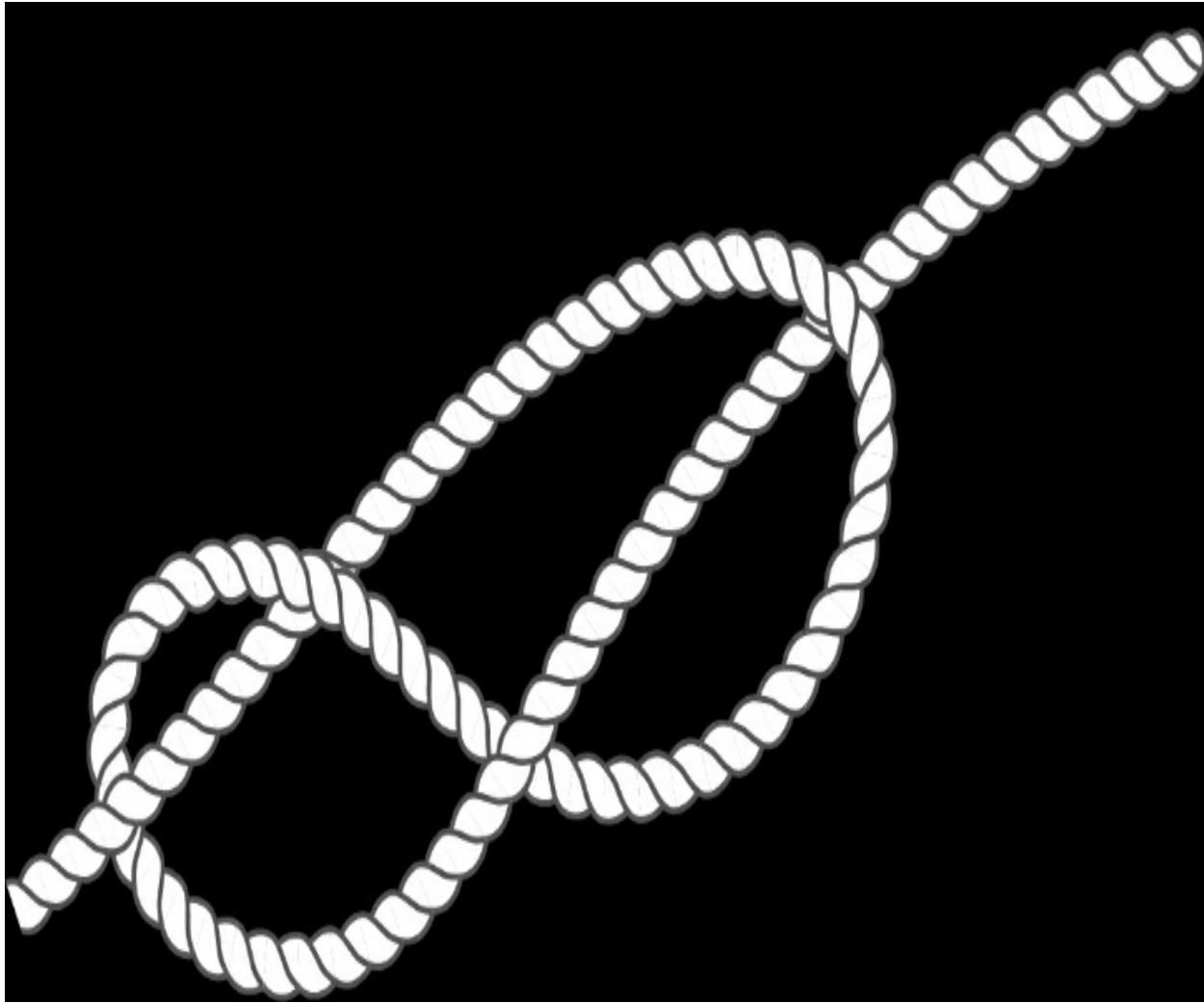
Figure Eight Knot Instructions

1 - Make a loop with an End





2 – Now pass the End Through It 3 - Pull both sides to adjust the knot, the finished knot



resembles an 8

Figure Eight On a Bight

Simple and reliable knot to tie off a rope to a fixed point or other object.

Used for :

- Climbers use this as a safety knot.
- Fixing a rope for rappelling
- Hoisting a chainsaw by firefighters
- In anchor building as it needs both hands to tie

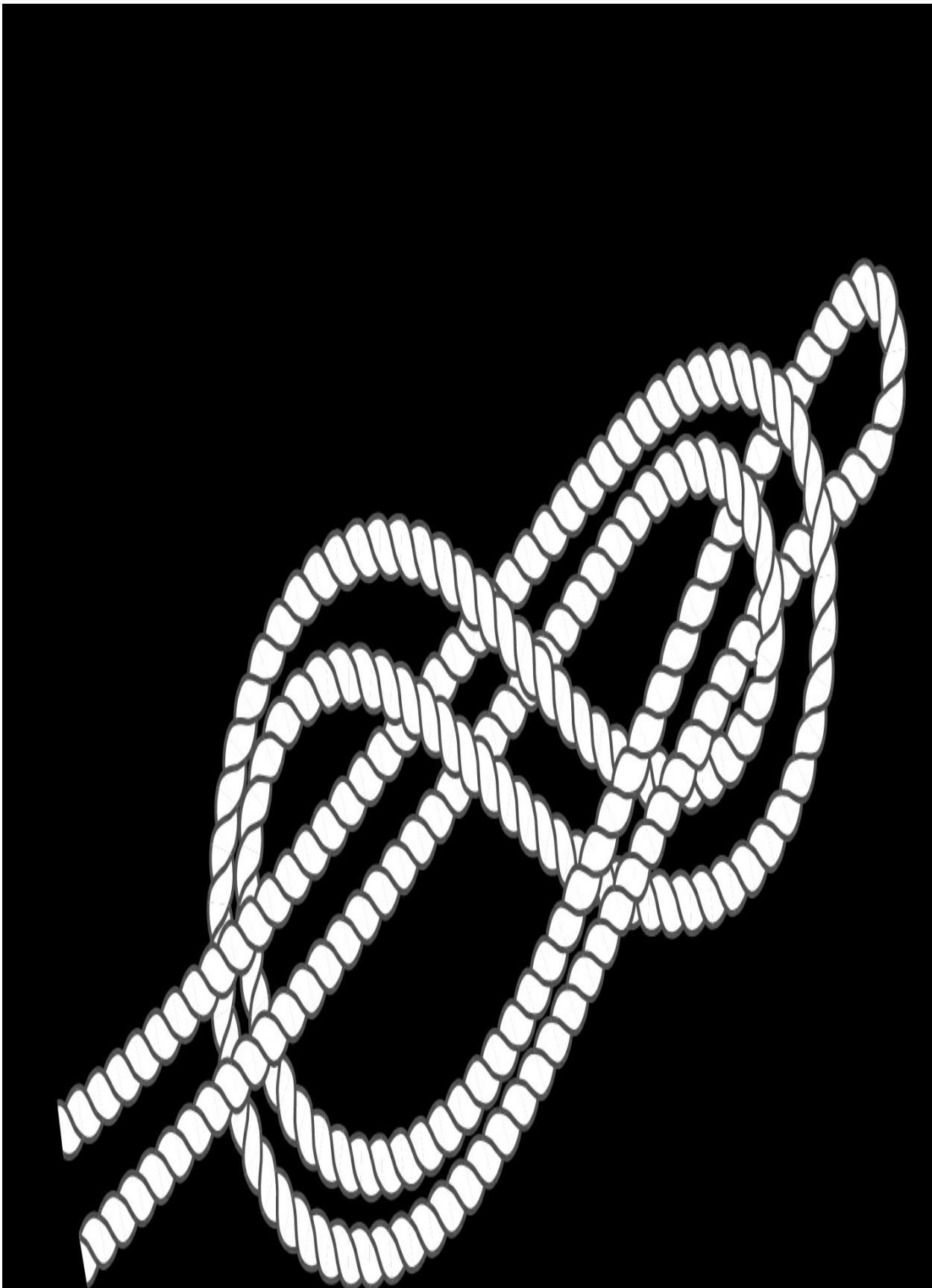
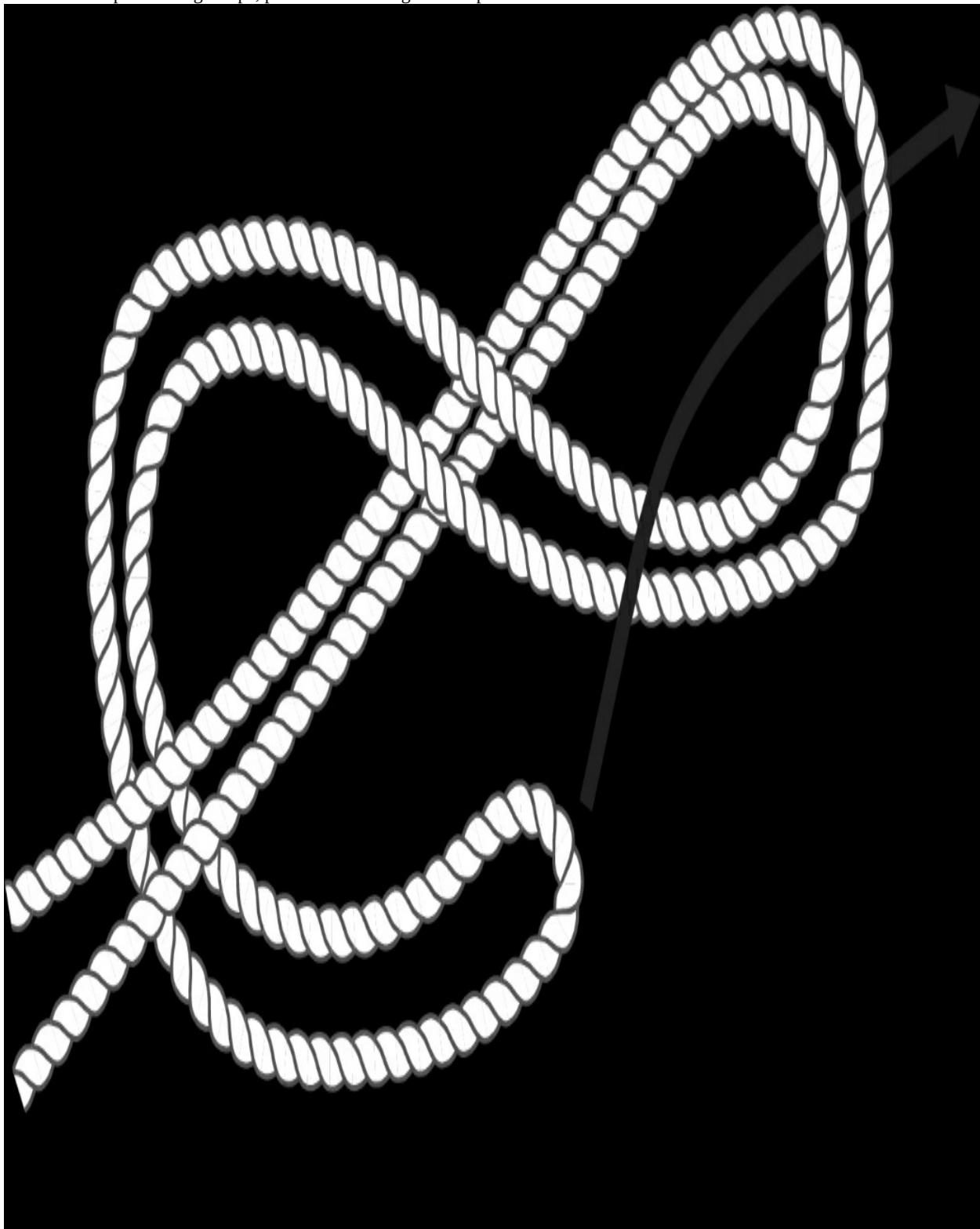


Figure Eight Loop Instructions

1 - Make a loop with a bight rope, pass the end through the loop.



2 - Pull both Ends to tighten, The finished Knot forms a loop.

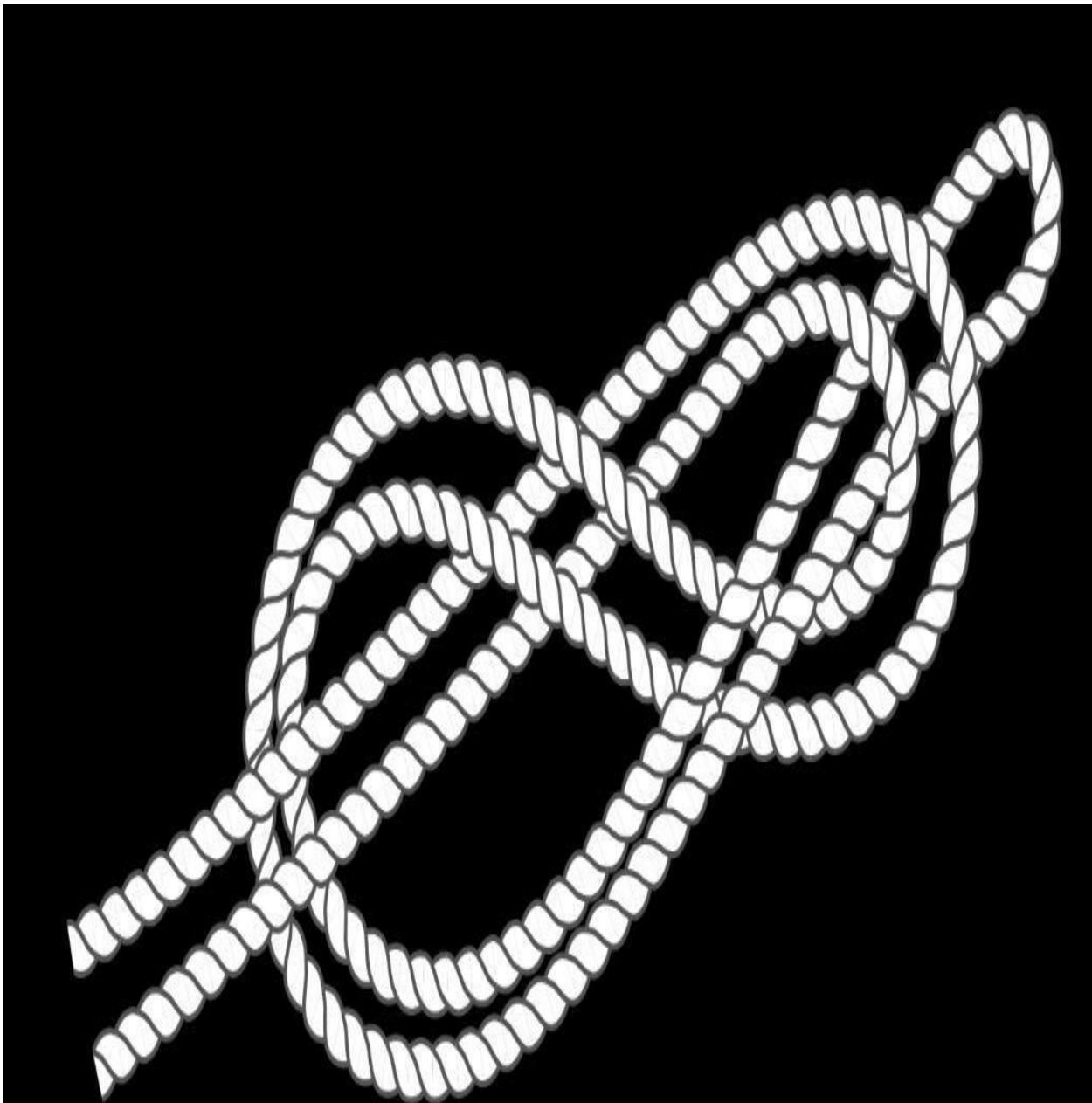


Figure 8 Follow Through

Simple and reliable knot to tie off a rope to a fixed point or other object where the Figure 8 Loop is not practical.

Used for :

-Caving

- Rock climbing
- Firefighting
- Decorative purposes

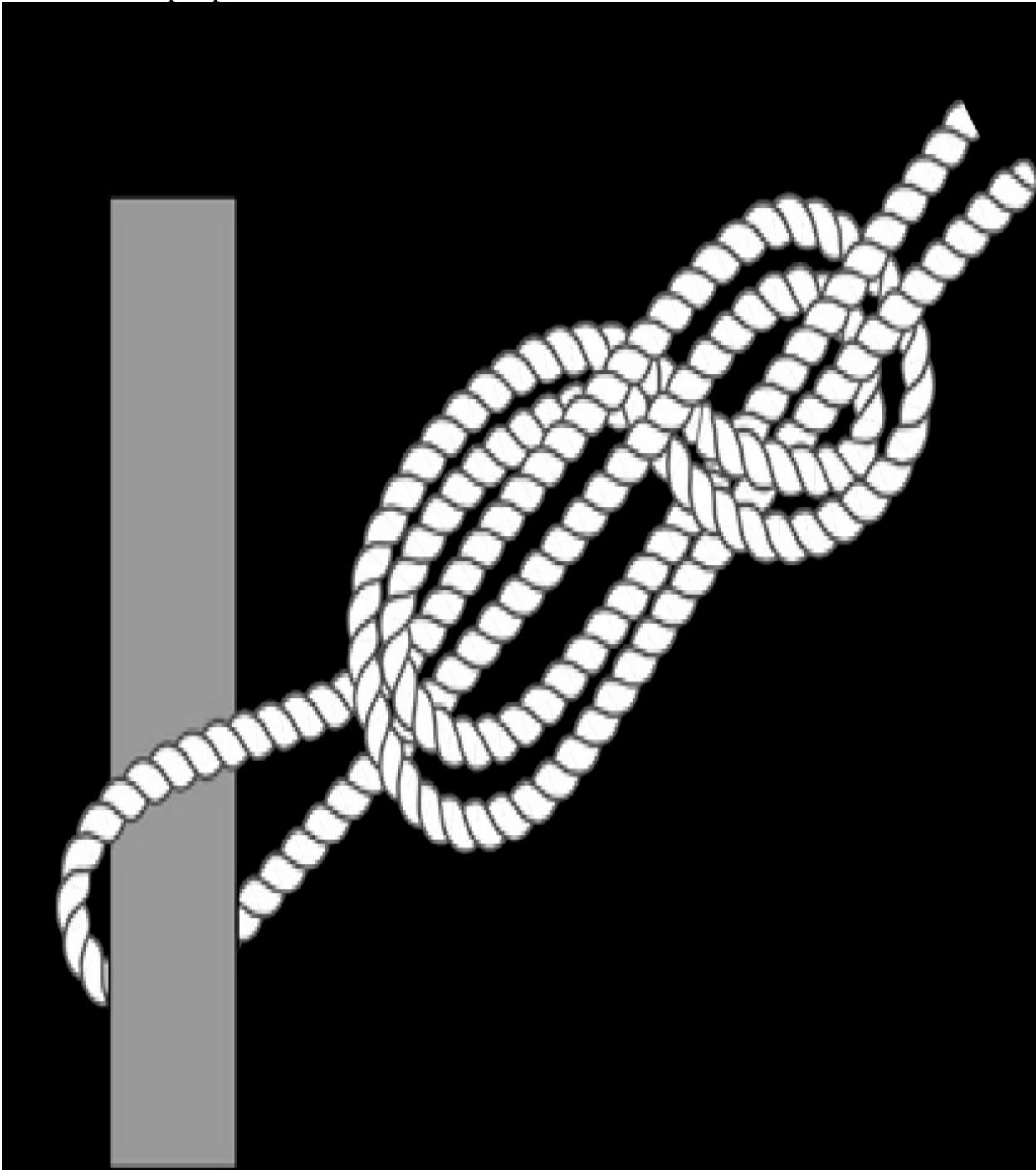


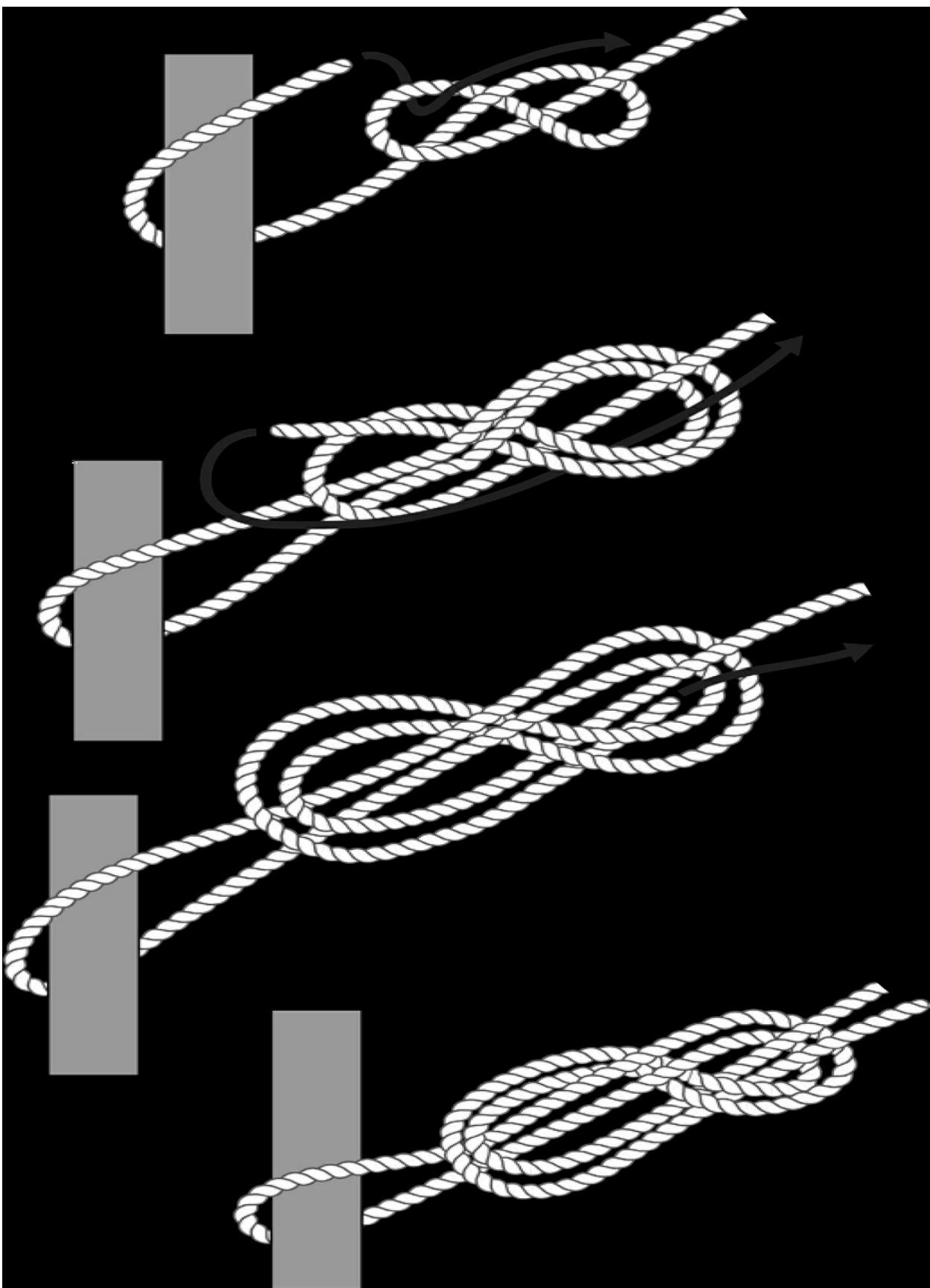
Figure 8 Follow Through Instructions

1 - Make an 8 with the rope,
Wrap it Around The support,
pass it through the Loops.

2 - Take it behind the
big loop, Pass it next to
Upper Line.

3 - Take it over parallel
to the standing part.

3 - Pull ends to
Tighten, the finished



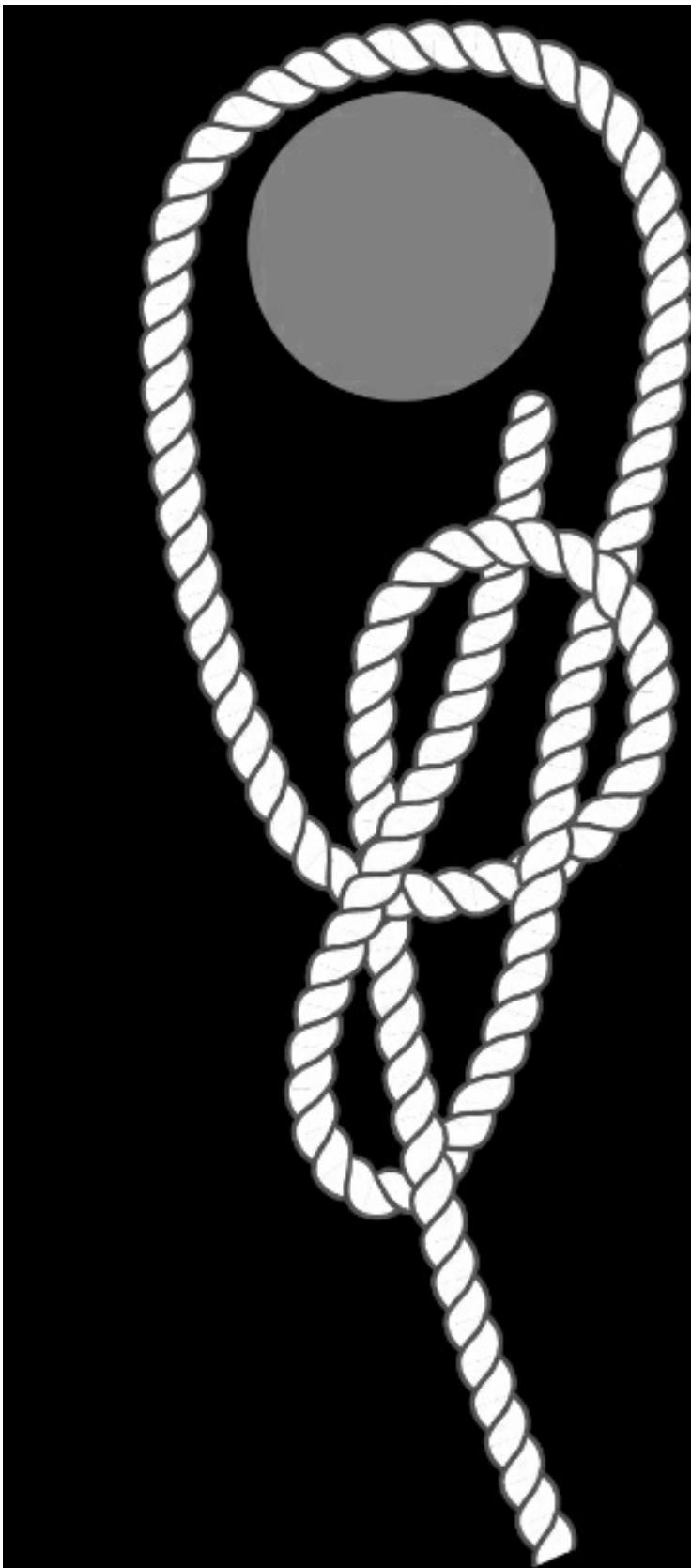
Knot Forms A loop.

Bowline Knot

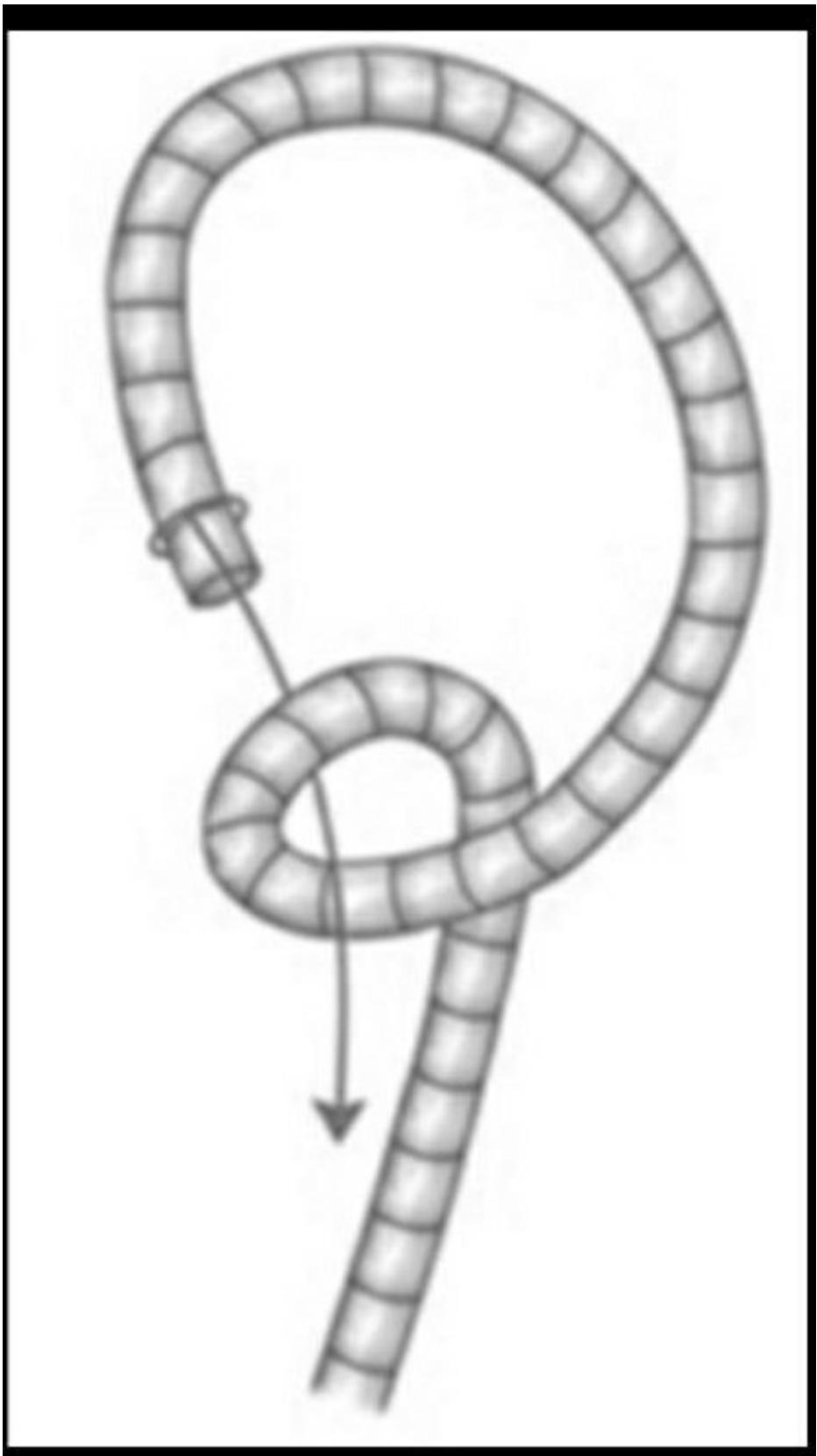
Non-slip knot used to create an anchor point. Safe only when an overhand knot is tied on the free end of the rope.

Used for :

- To tie a mooring line around a tree, post, pole, anchor, ring, ladder, or any other object.
- Boating, sailing (for example, tying a jib sheet to the clew of a jib), fishing.
- It is thrown and tied around the waist for rescue operations, firefighting.
- By boy scouts, linemen.



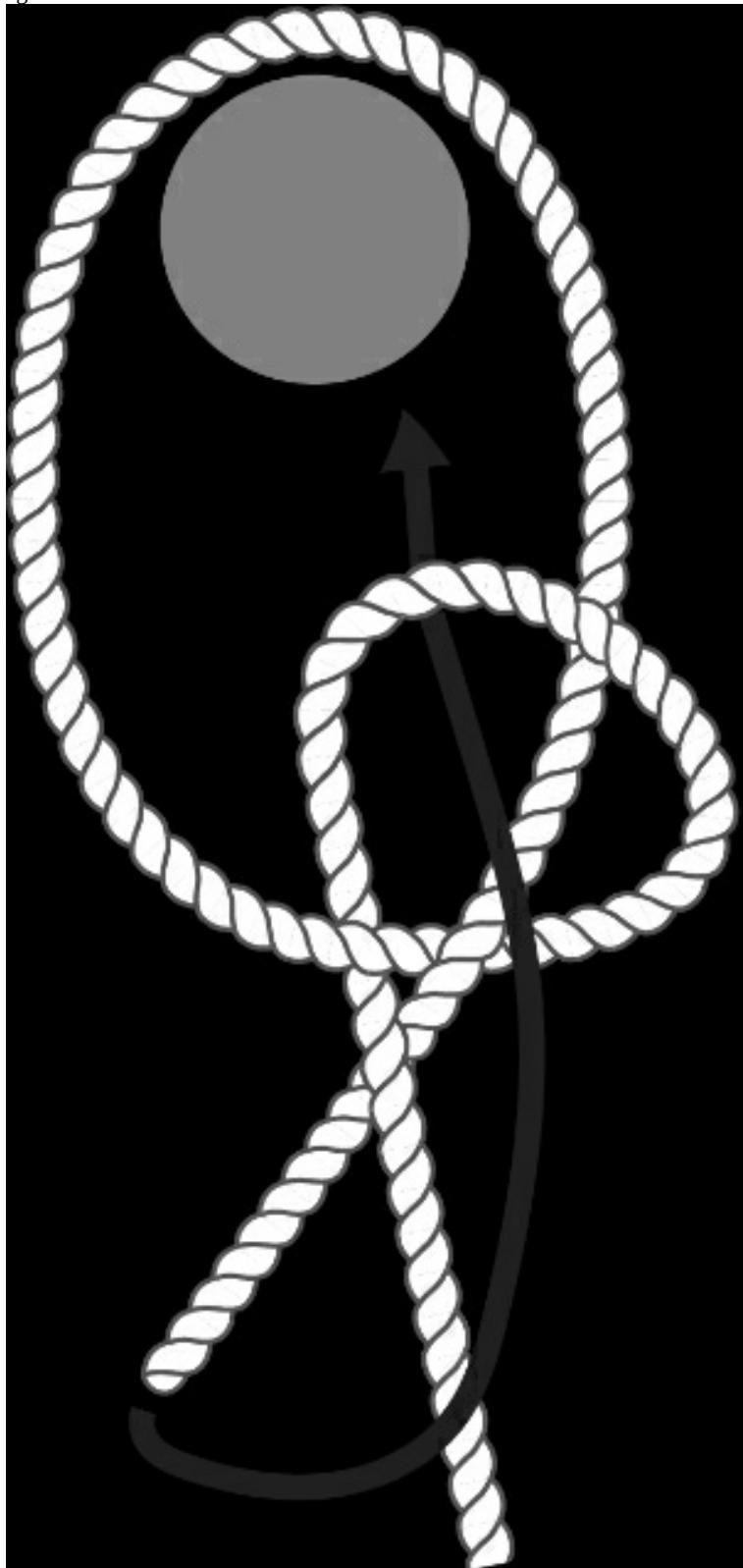
Bowline Knot Instructions

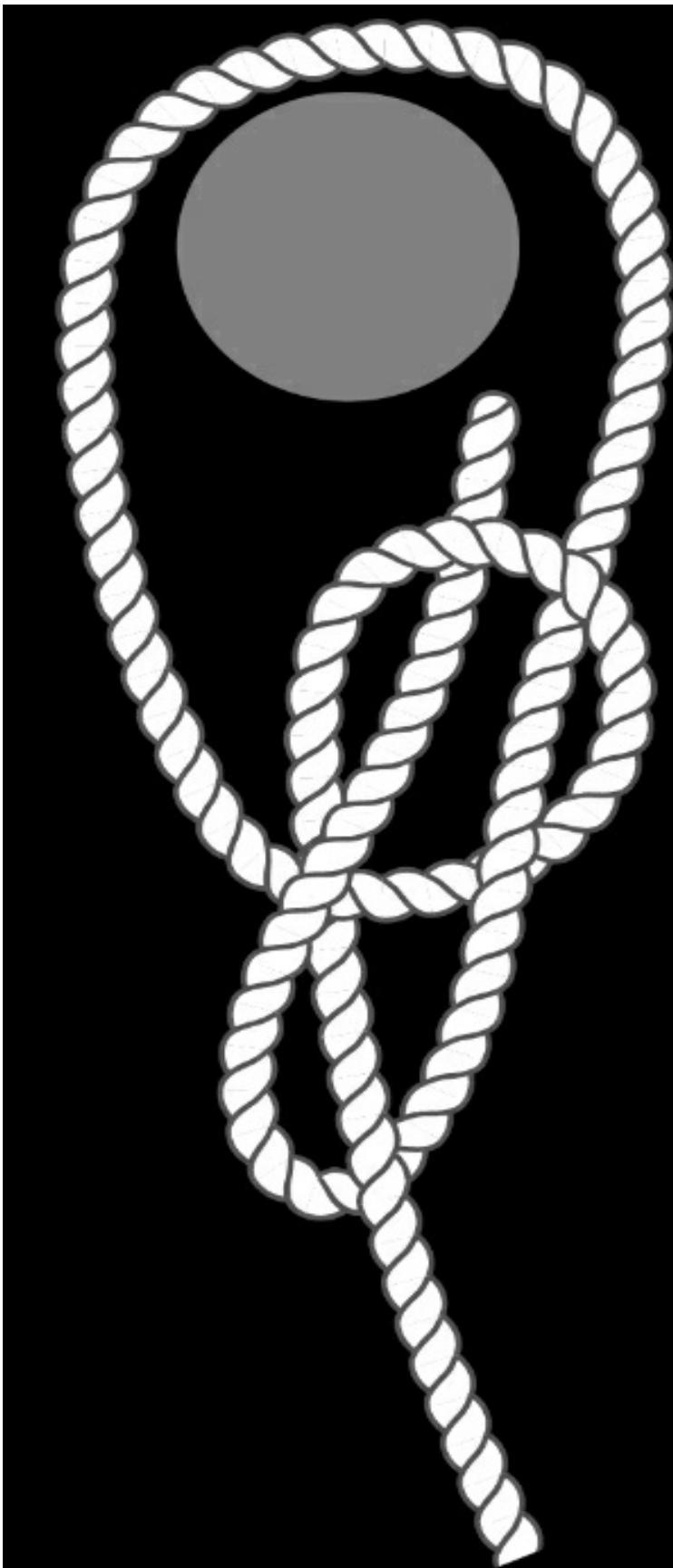


rope loop.
2 - Pass it behind the standing

1 - pass the tag end through the

part and through the loop again.





3 - Hold the loop And tag end and pull to tighten

Alpine Butterfly Knot

Quick and easy to tie a knot in the middle of a rope.

Used for :

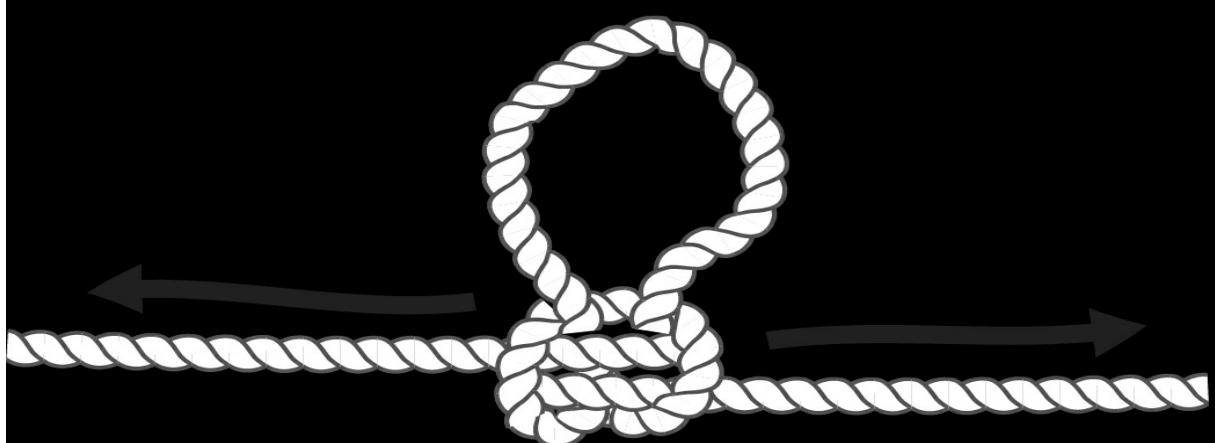
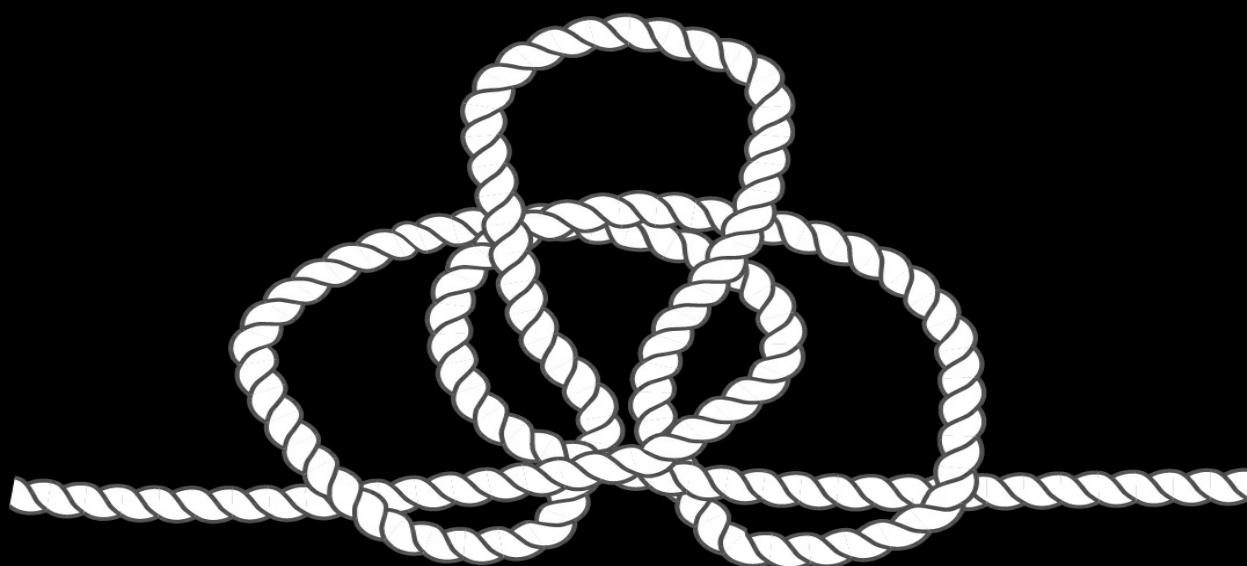
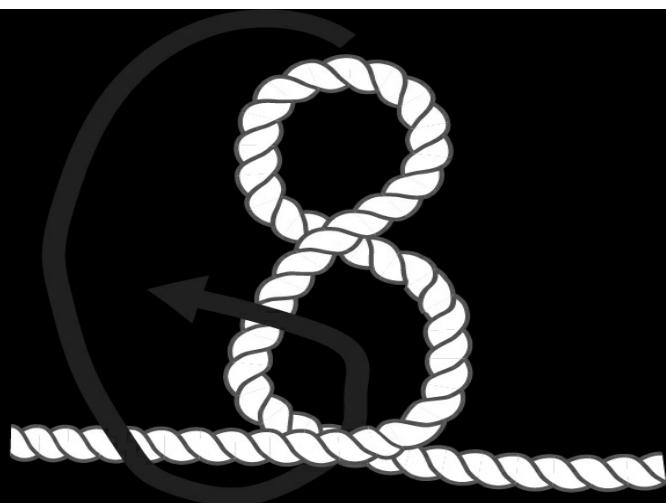
-Typically used for attaching carabiners to climbing harnesses
Securing the middle climber when three or more people travel to a rope
Isolating a worn out part in the rope

Alpine Butterfly Instructions

1 - Make a loop like an
(8), Fold The Upper
loop Down.

2 - Pull it around and
pass through the lower
loop.

3 - Pull all the way up
to tighten the Knot.



Half Hitches

Simple and reliable hitch to tie a rope to a fixed object. Once tied, the hitch can be slid along the rope as a slip hitch.

Used for :

- Fishing with bait (can be used on pilchards, squid, prawns, etc.).
- Fly tying in fly fishing.
- Making paracord survival bracelets, can koozies (sometimes in a slightly modified form).
- In beading and jewelry (like necklace) making.

Half Hitches Instructions

Half Hitches

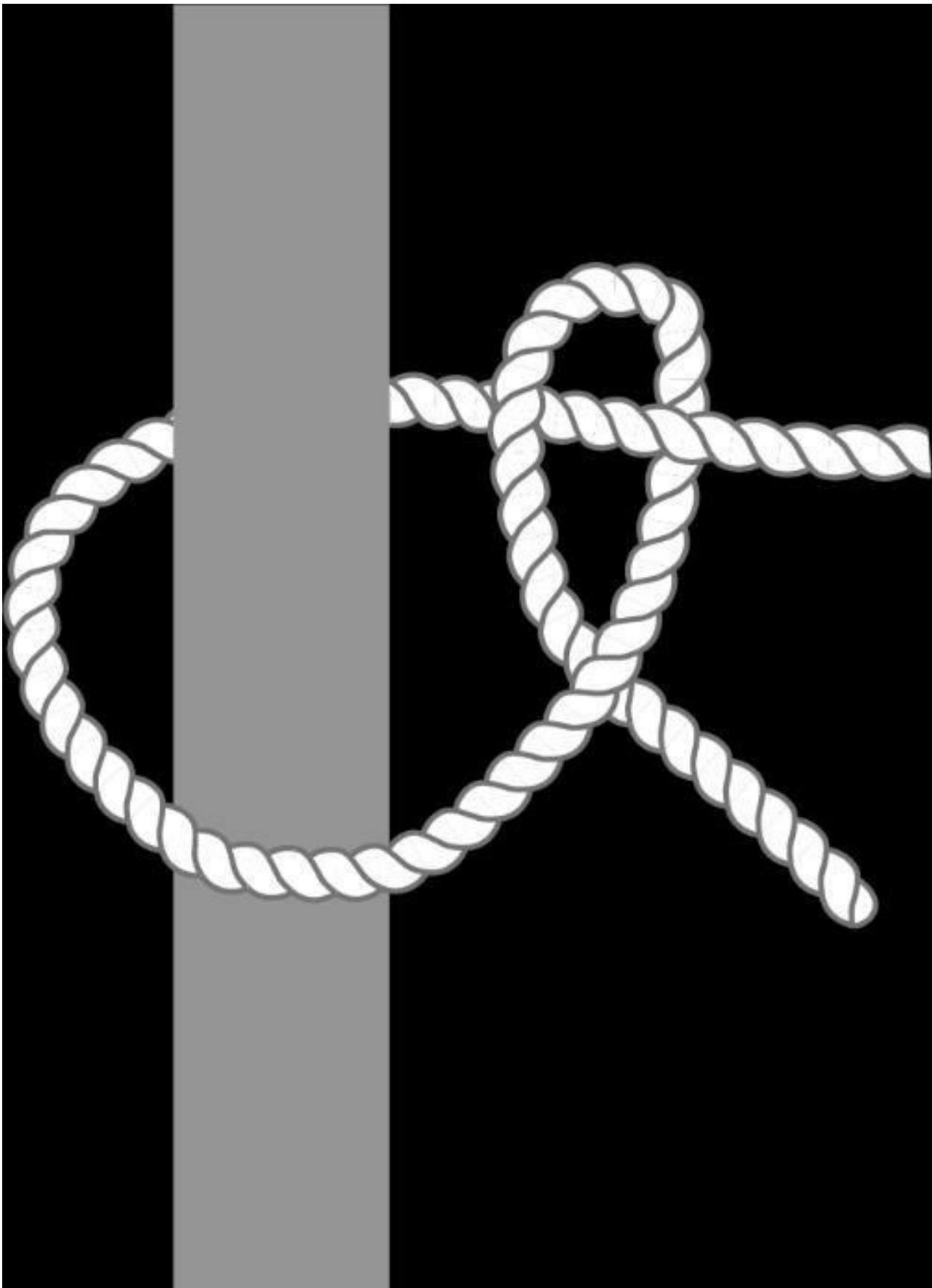
Wrap the rope around the support, then pass the end through the loop and tighten.

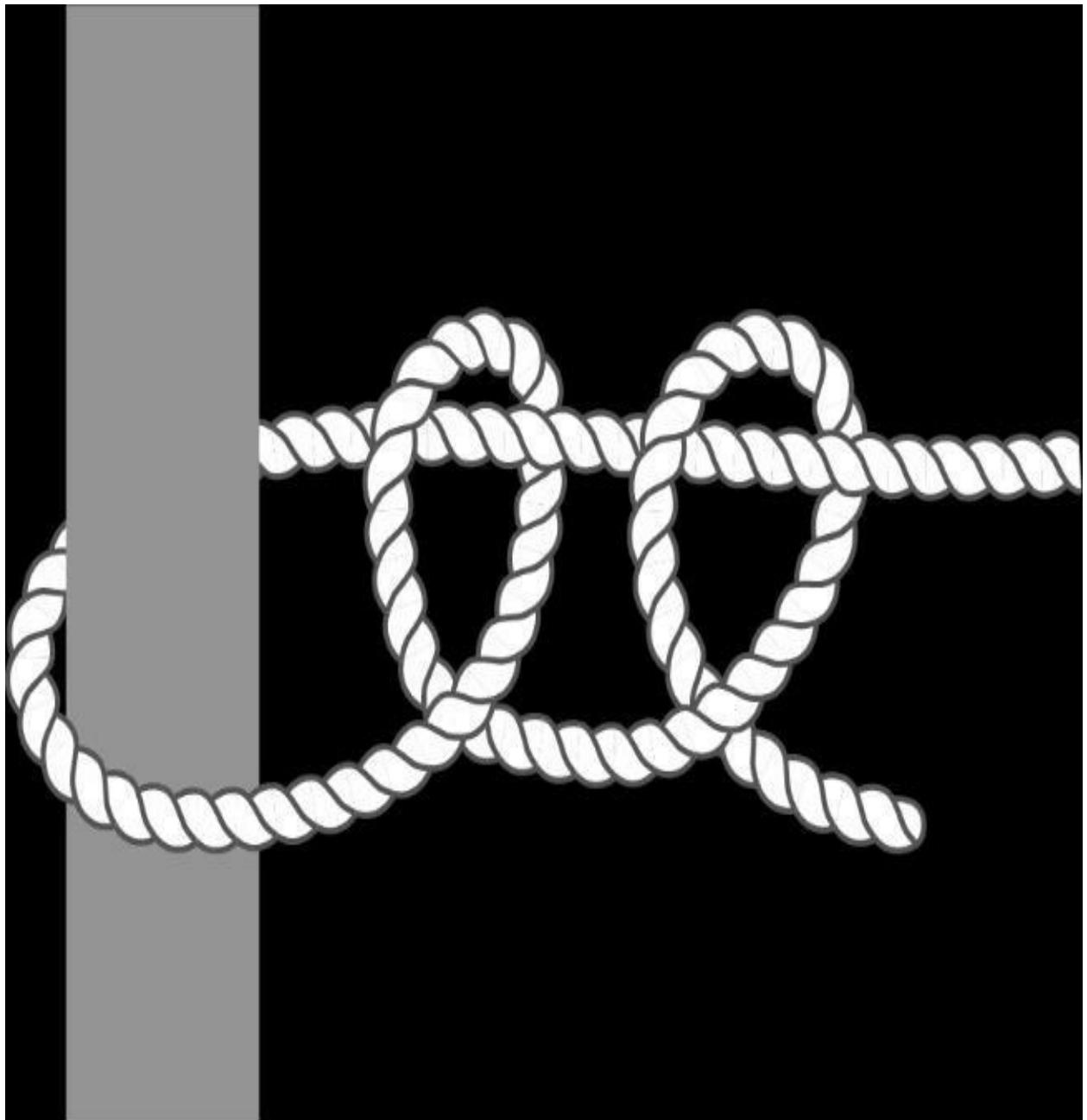
Two Half Hitches

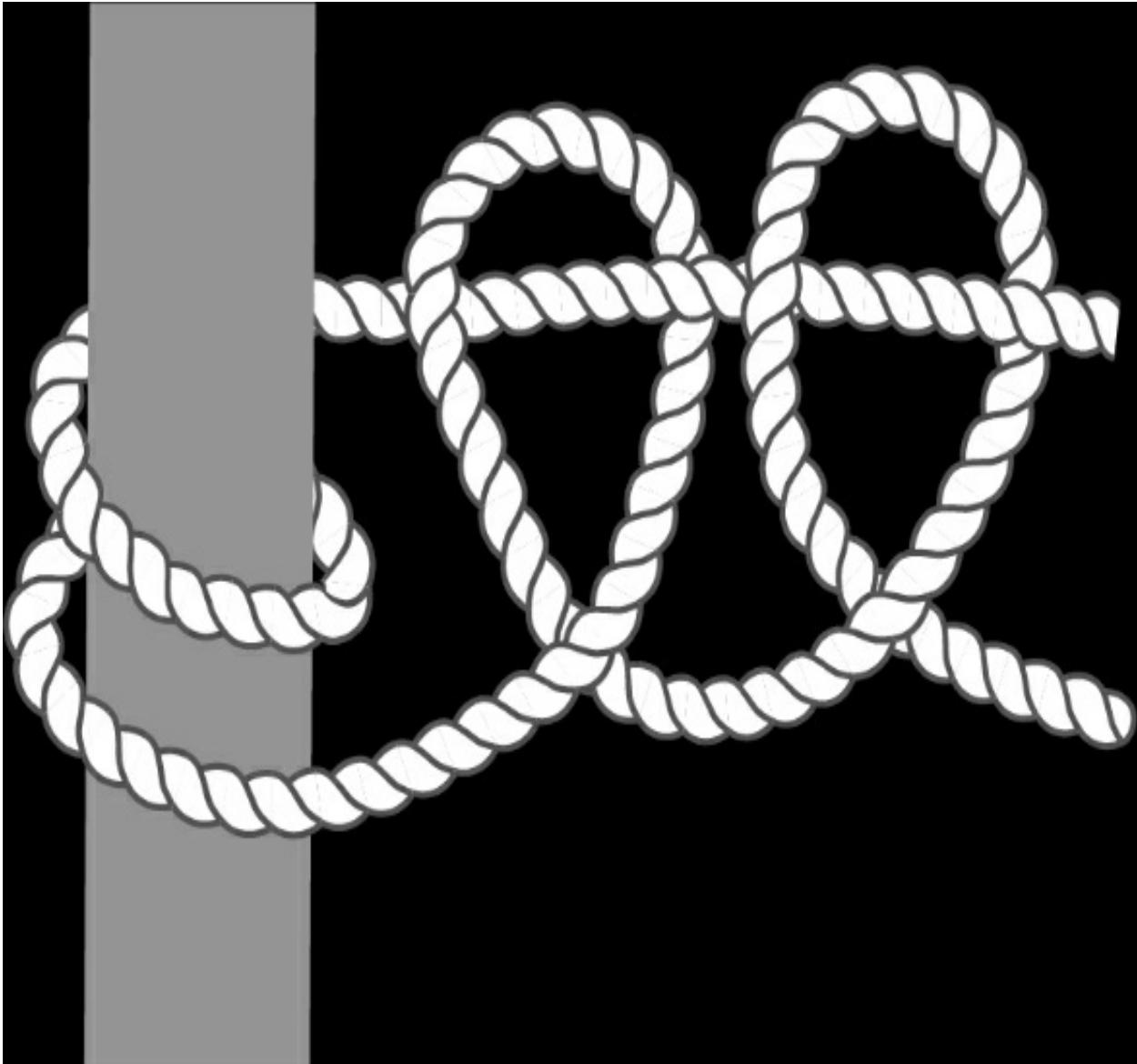
Same as the half hitches before, then wrap it around the standing part again, and tighten.

Round Turn and Two Half Hitches

Round Turn and Two Half Hitches

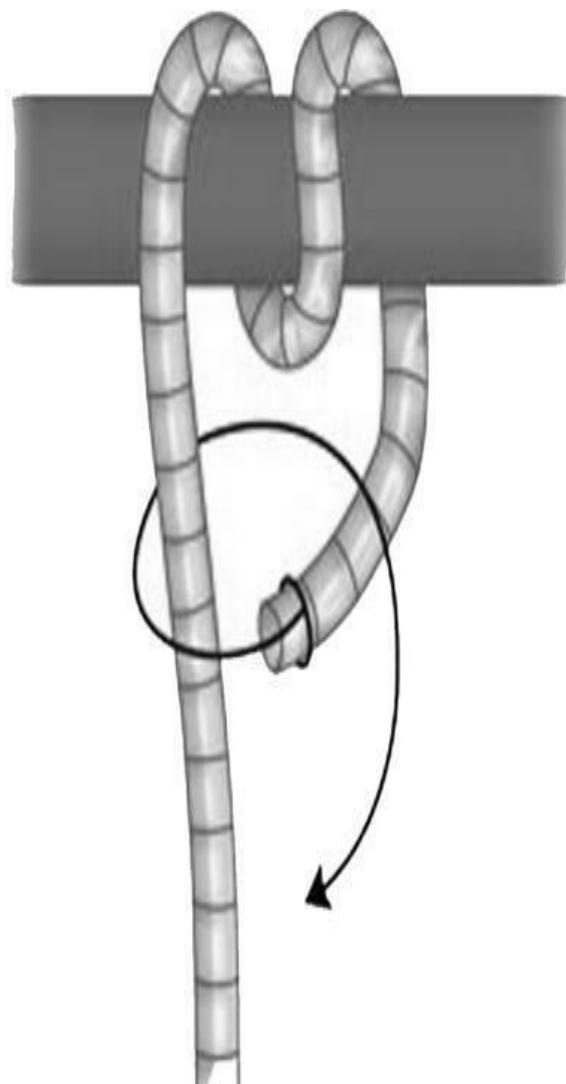
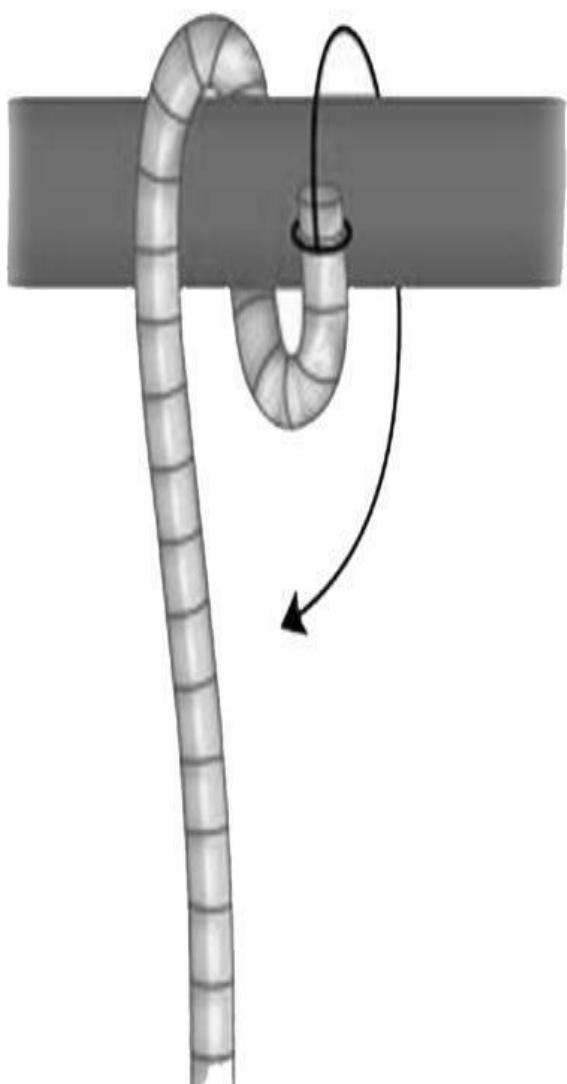


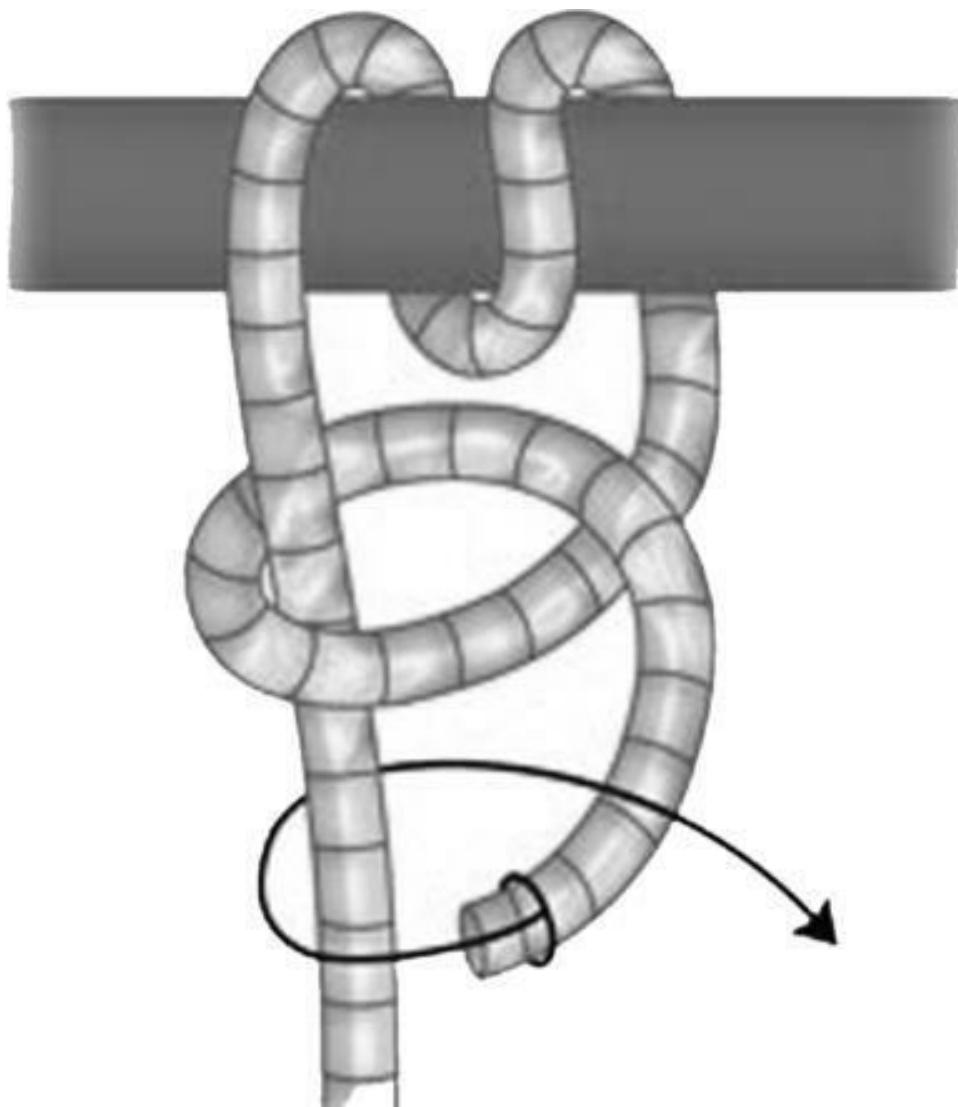




Round Turn and Two Half Hitches Instructions

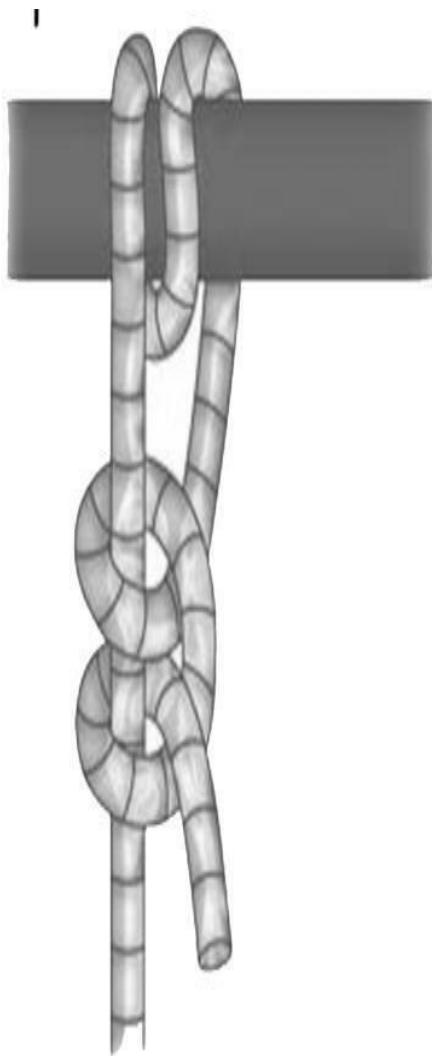
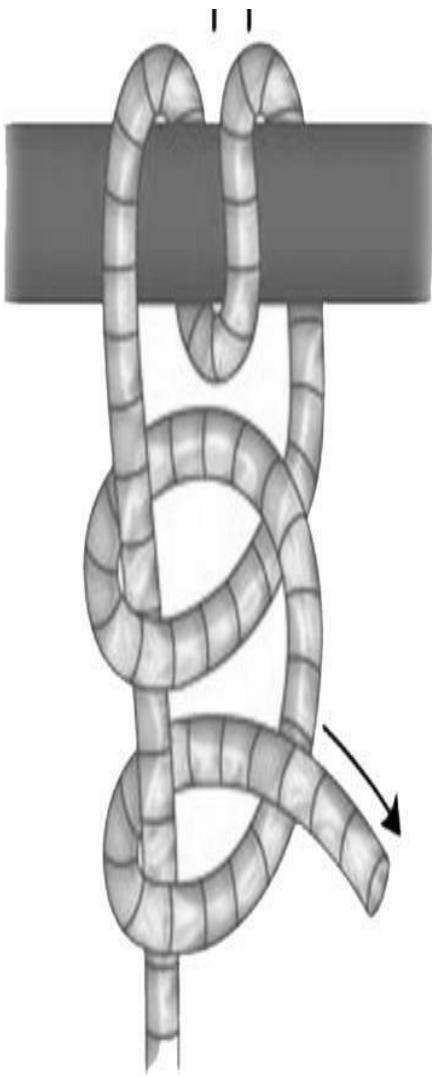
wrap the end around Wrap it around the the support, standing part of the rope





out of the loop Tighten to complete the Knot

Make another Turn Take it



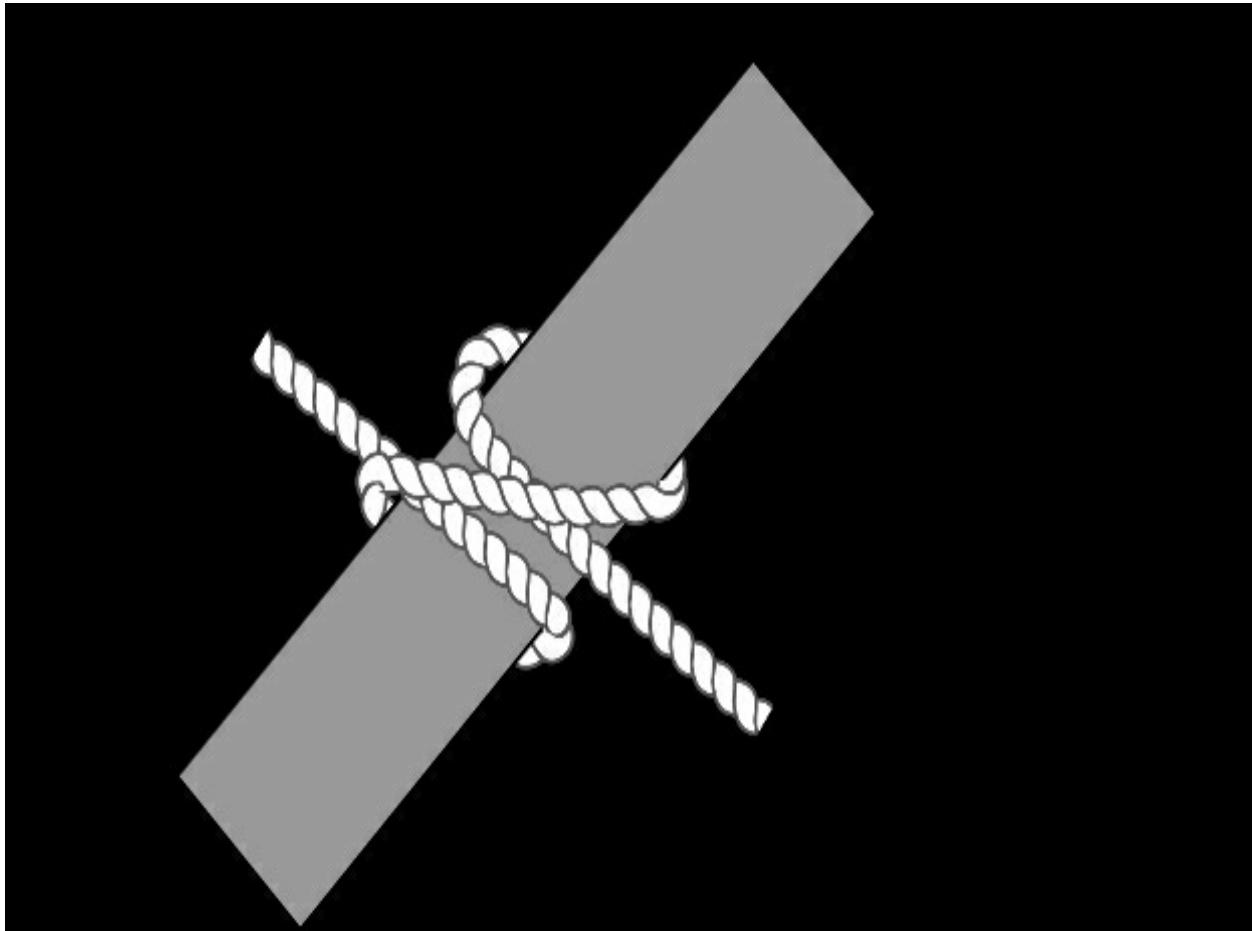
Clove Hitch

The clove hitch is intended to be a non-slip hitch, however it has been known to slip and also bind. This makes it only useful for utility purposes.

Used for :

- Functions as a crossing knot.
- To start and finish a lashing such as the conventional square lashing in pioneering.
- For the master point in a fixed rock climbing anchor. Can also connect a personal anchor.

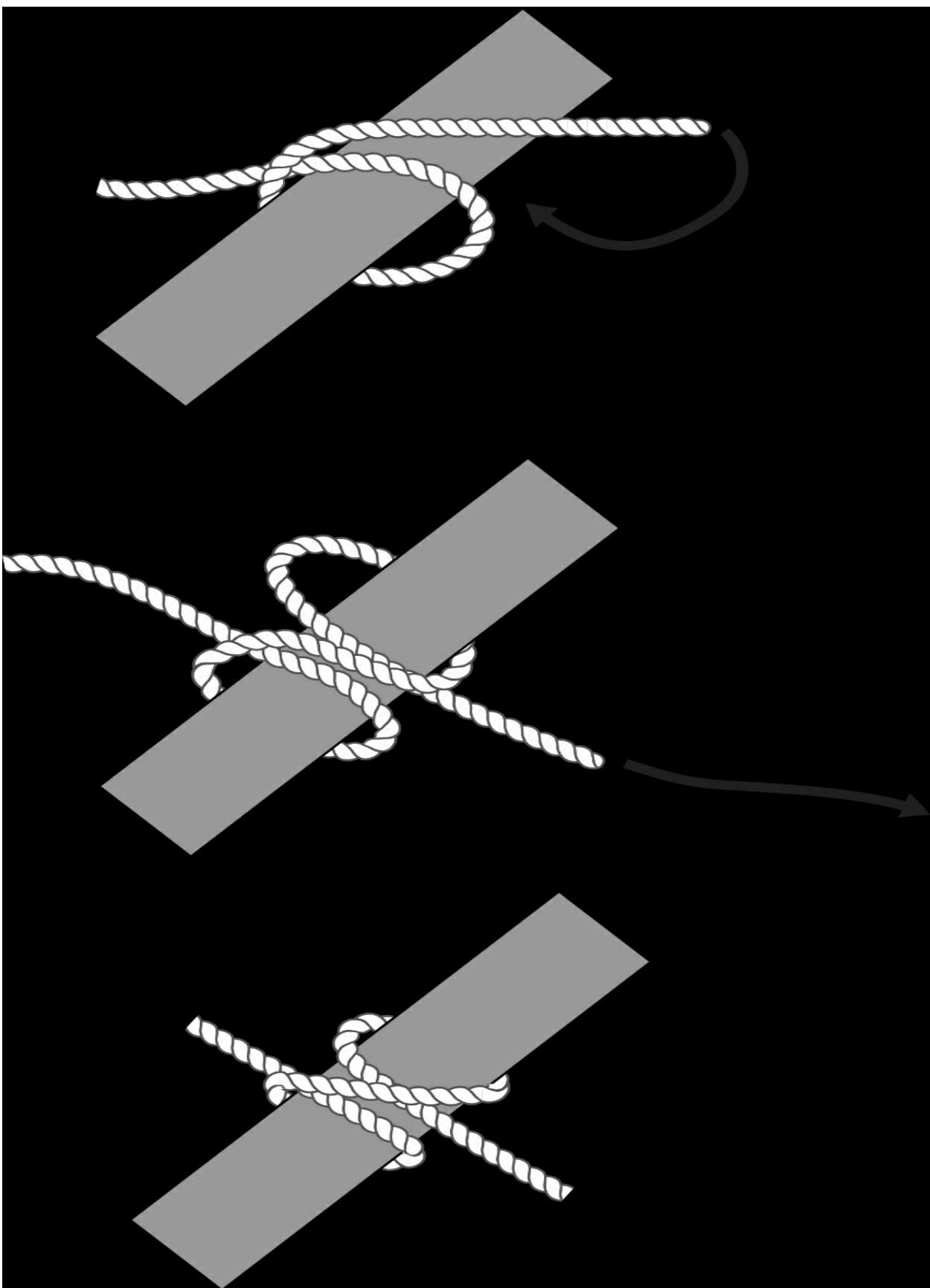
-By placing the knot on the spine of a carabiner you create a biner block that securely blocks against a rapid.



Clove Hitch Instructions

1 - Hand rope from the support, Loop Around The support with the end.

2 - Pass it from behind the rope, Pull to Tighten.
3 - Knot completed

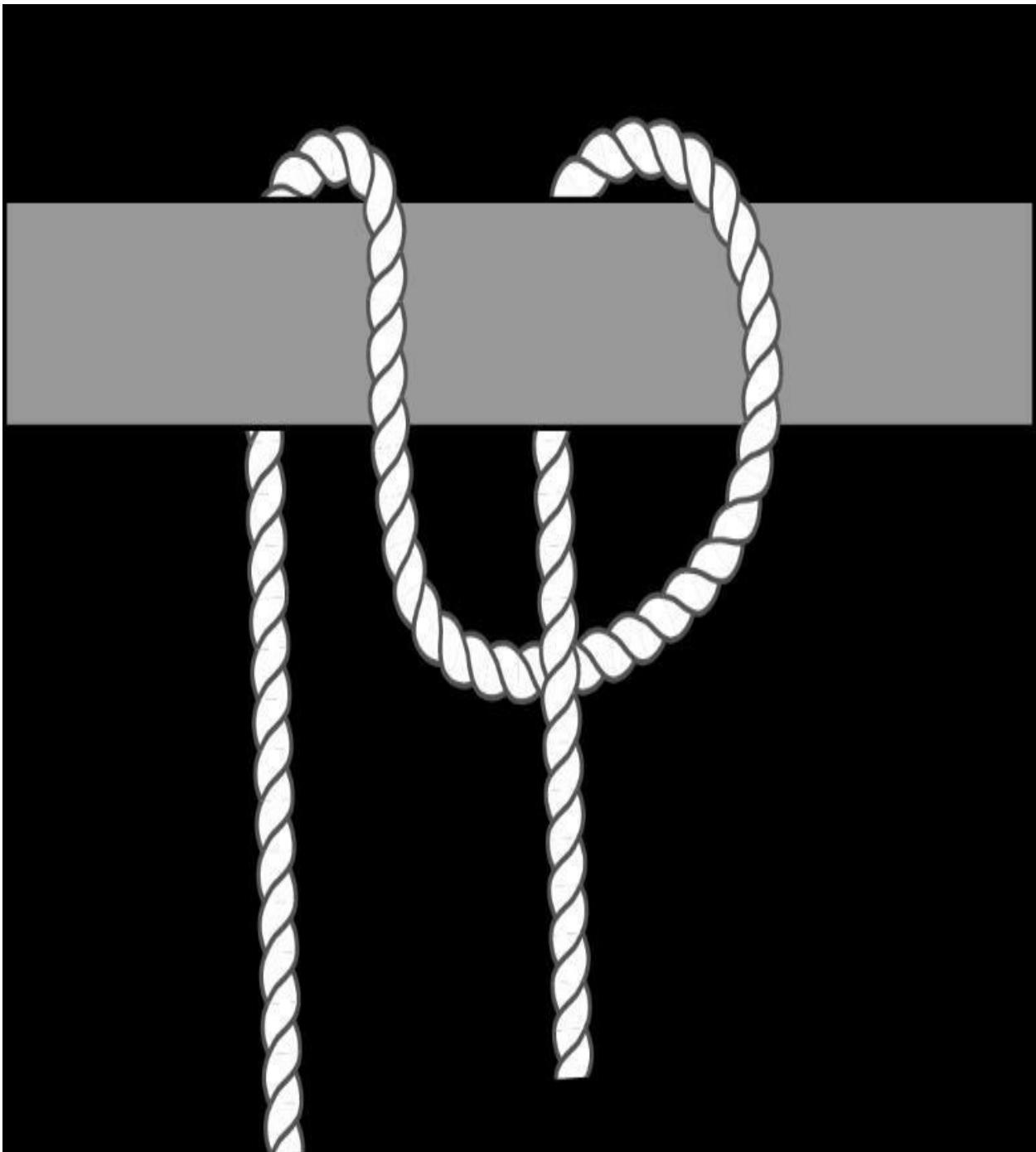


Munter Hitch

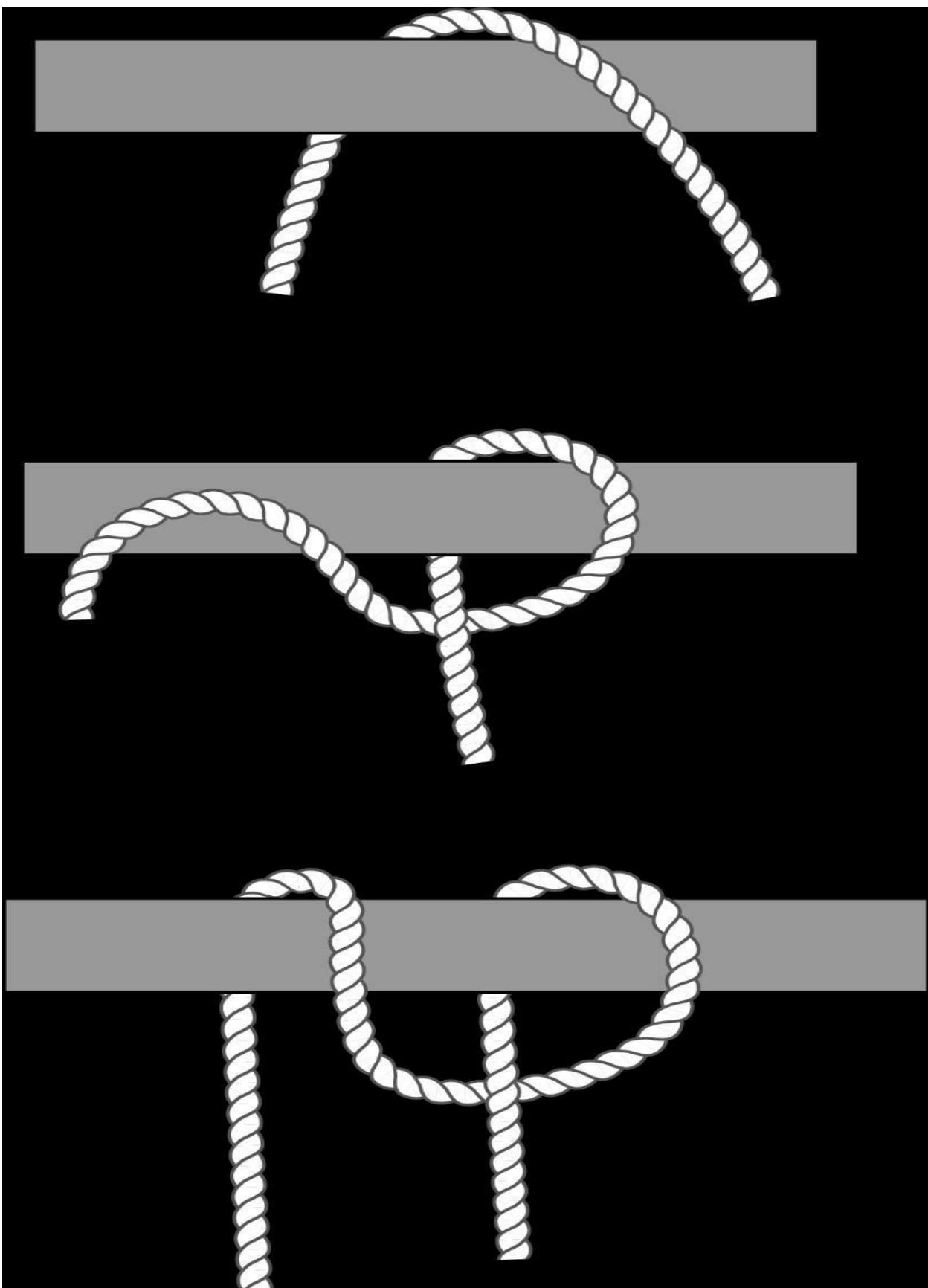
A friction hitch commonly used by mountaineers, climbers, and of high-angle activities.

Used for :

- Rock climbing
- Caving
- Abseiling



- Rescuing by forming a part of a life-lining or belay system
- Helps de-ice the rope in frozen conditions. **Munter Hitch Instructions**

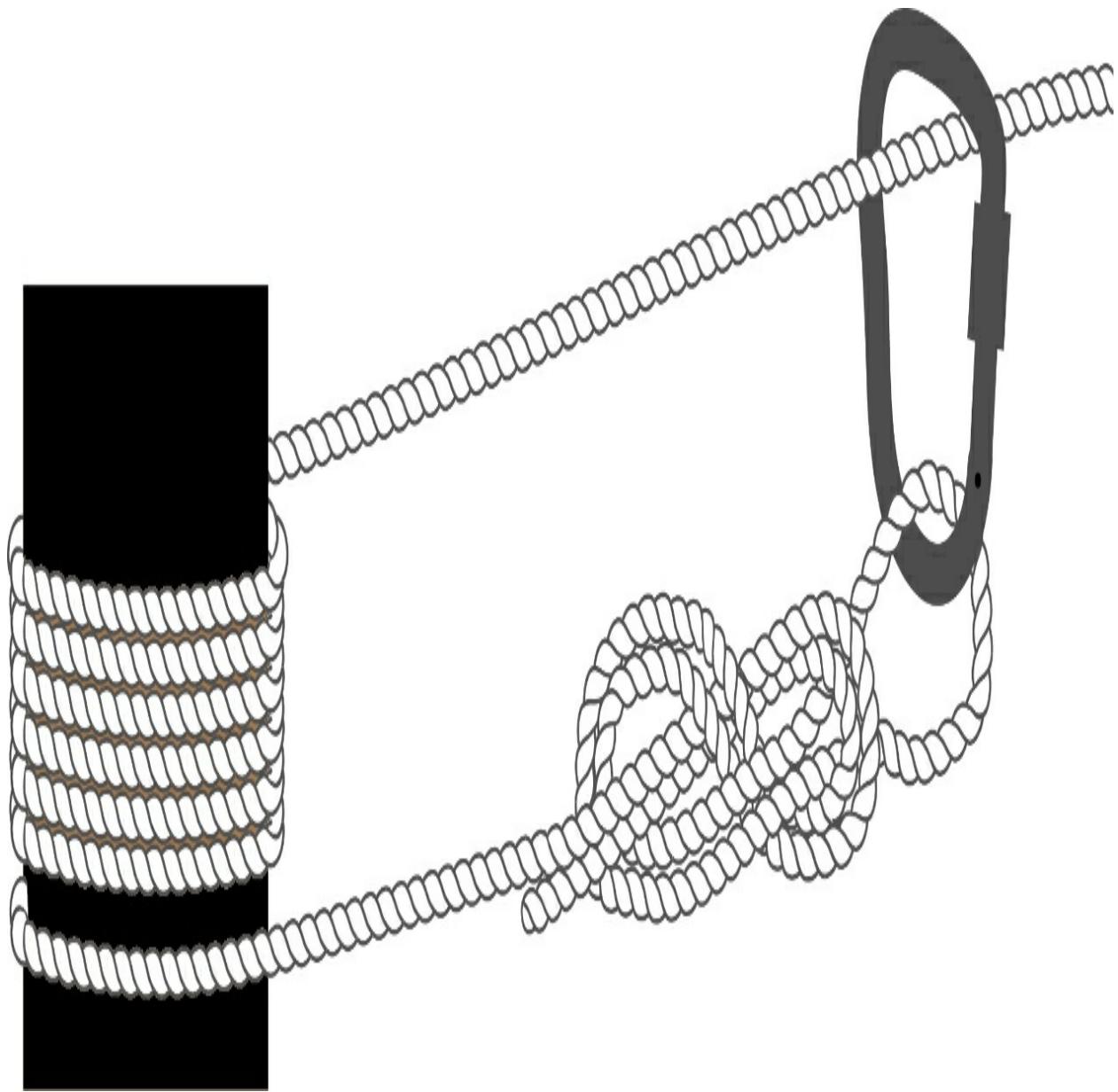


Tensionless Hitch

Secure way to tie off a rope to a tree or pole. Attach the end of the rope with a carabiner by using a Figure 8 Loop or a Figure 8 Follow Through Loop around the rope.

Used for :

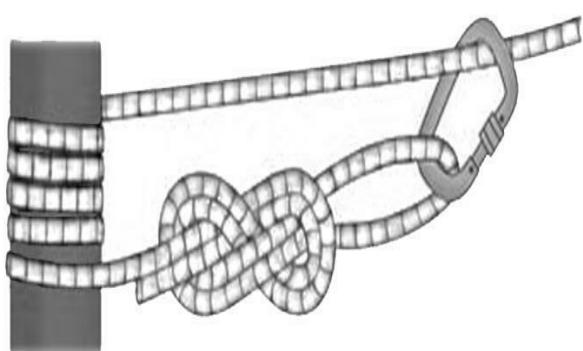
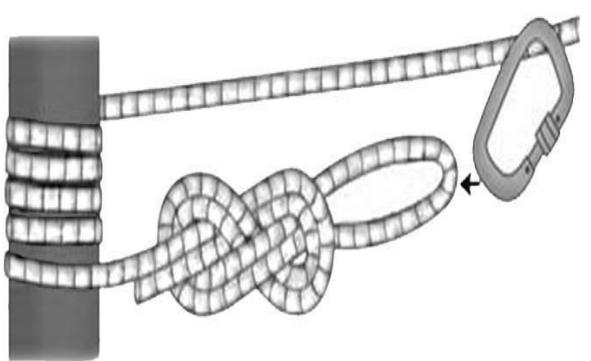
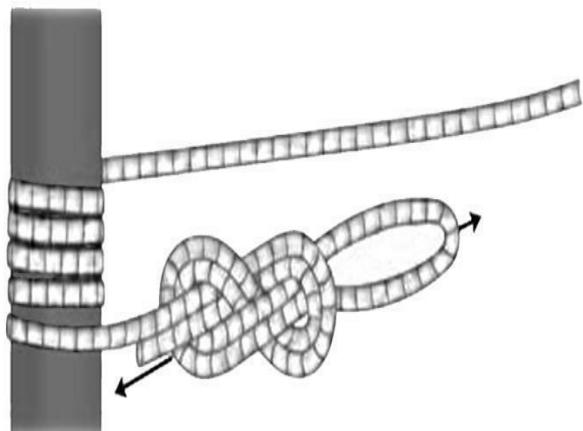
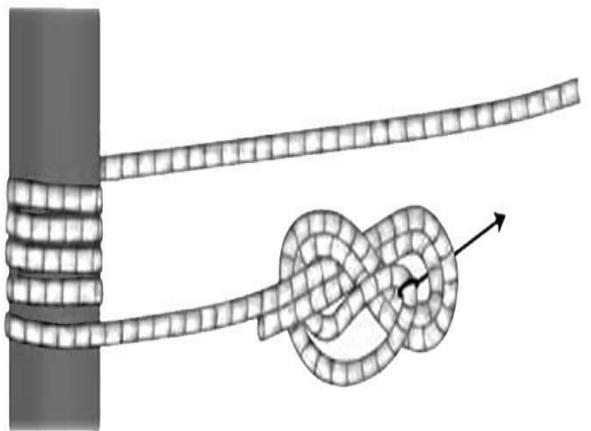
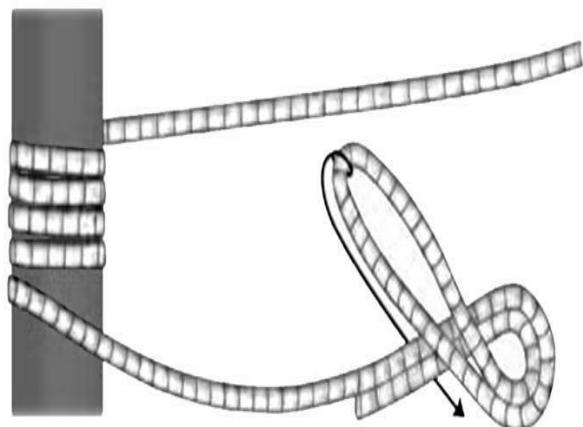
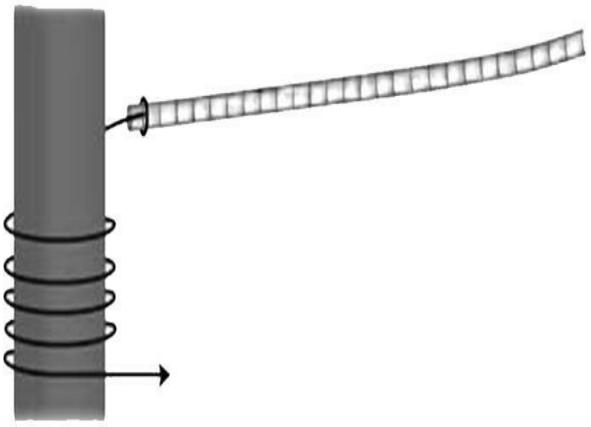
- Rappelling
- Rescue
- Firefighting
- Climbing



Tensionless Instructions

Wrap a Rope Around A support 4 times Create A bight With The Shorter End

Make an (8) With it Pull Both Ends To Tighten



Insert a Carabiner Knot Completed

Mooring Hitch

The mooring hitch is a simple knot that can be released quickly with just a pull at the tag end. It is more secure than the slippery hitch knot and is used in temporarily mooring boats

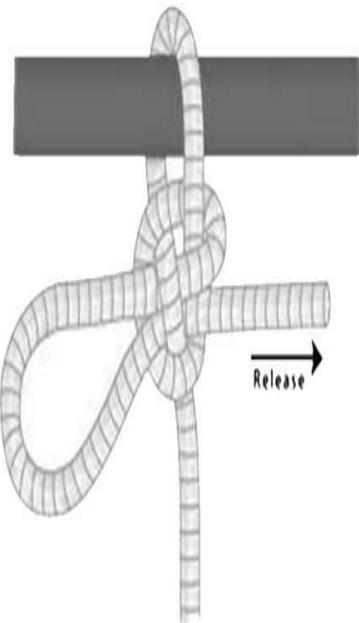
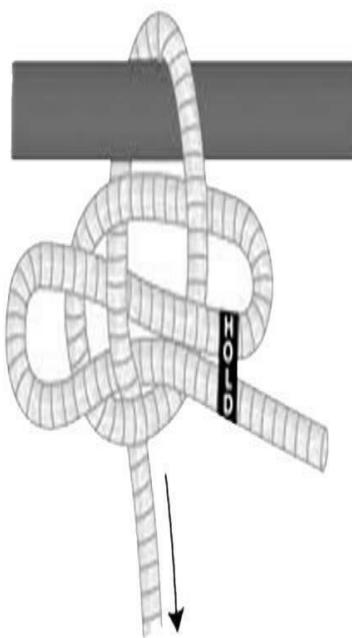
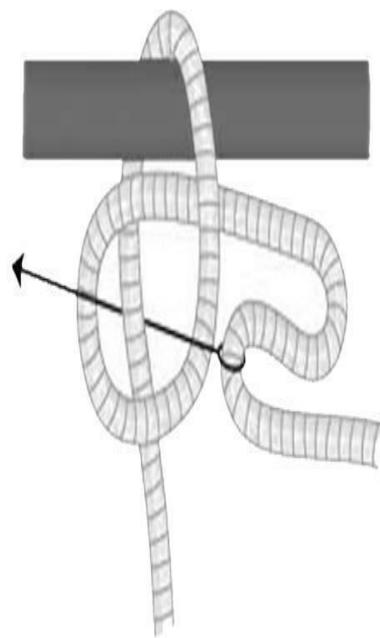
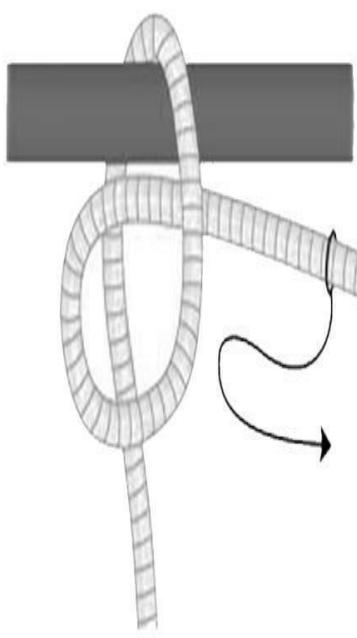
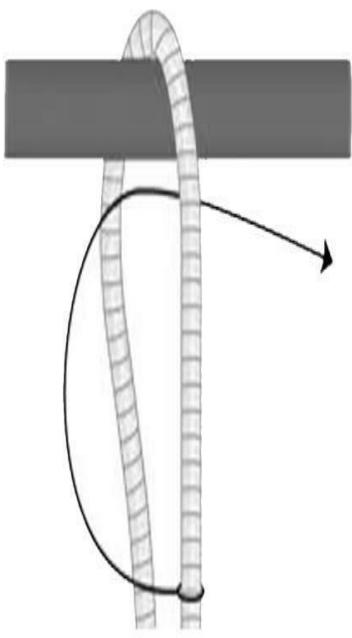
Used for :

- To tie up a kayak for a short time to a cleat or mooring post before getting into it.
- To secure an animal to a post.
- By lumberjacks and riggers.

Mooring Hitch Instructions

1-Wrap The Rope
Around the pole and
pass the working end 2-Form a Bight through the gap With the end

3-Pass it through the Loop Behind The Standing Part



4-Hold and pull to 5-Knot Completed
tighten

Scaffold Hitch

The scaffold knot forms a strong loop that can be slid like a noose to fit snugly around a rail, bar, or any other object

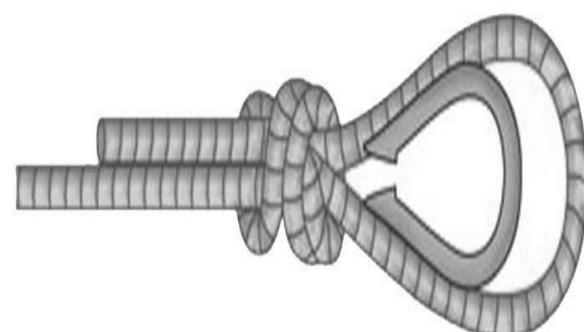
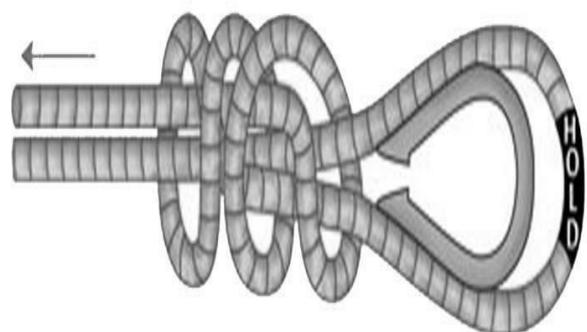
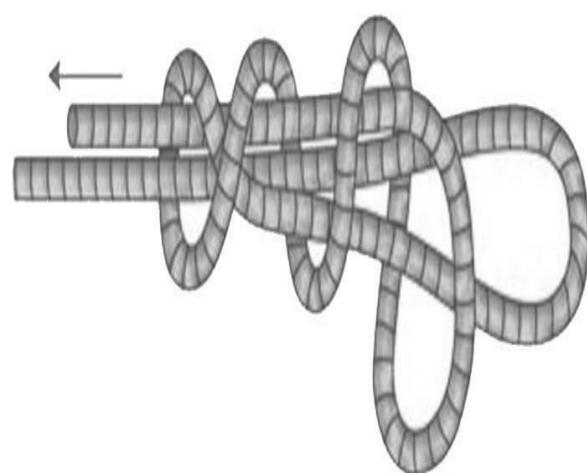
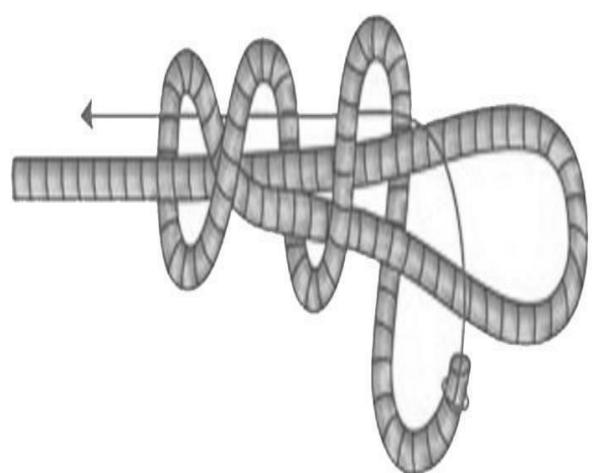
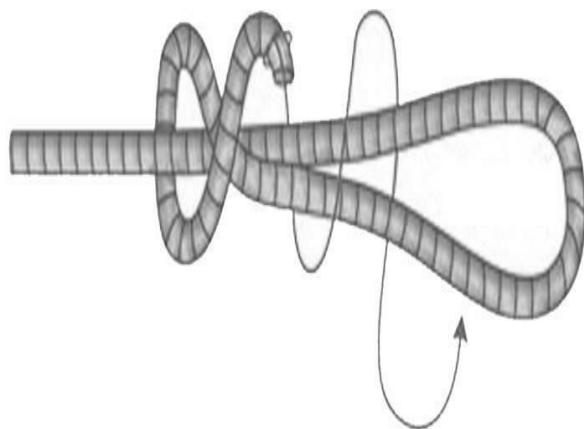
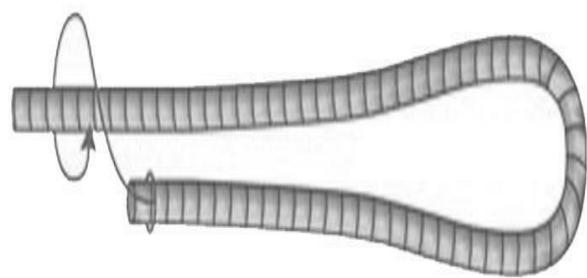
Used for :

- It is suitable for harnesses, lifelines and Bosun's chair as it can be pulled tight.
- The reliable knot can be attached firmly to a shackle or carabiner making it very easy and fast to handle during climbing.
- To join 2 ropes.

Scaffold Hitch Instructions

1-Wrap the tag End around the standing part of a bight of rope 2-Wrap it 2 more times in the opposite direction

3-Pass the end through the loops 4-take it out parallel to the standing part



5-Hold the loop and pull the 6-A thimble can be inserted end to tighten in the loop to protect it from wear

Square (Reef) Knot

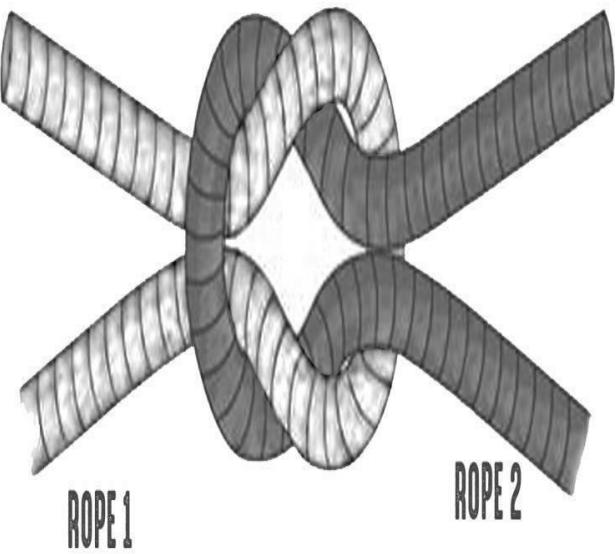
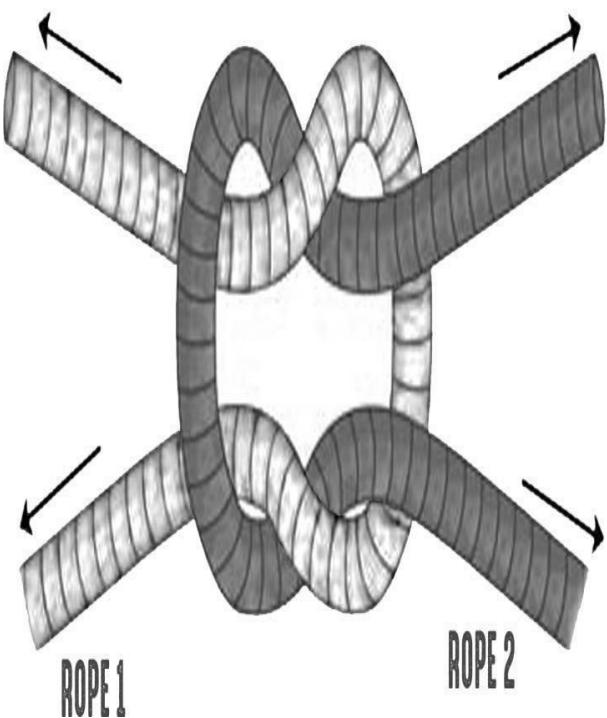
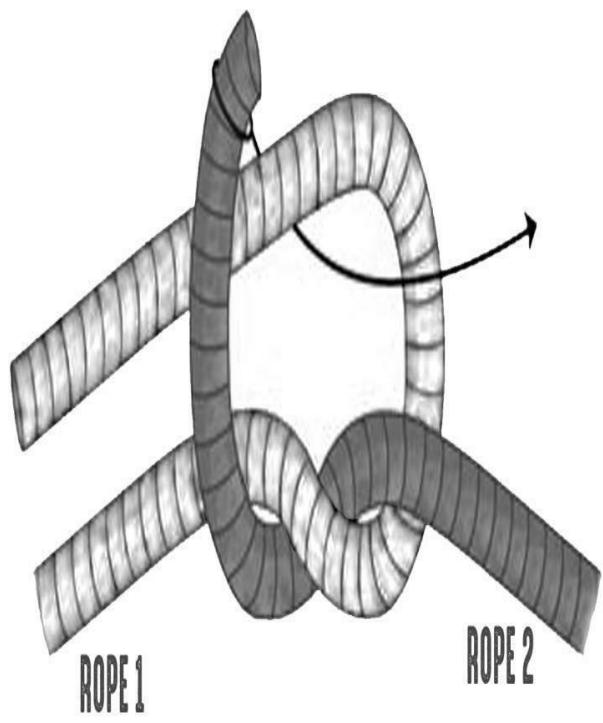
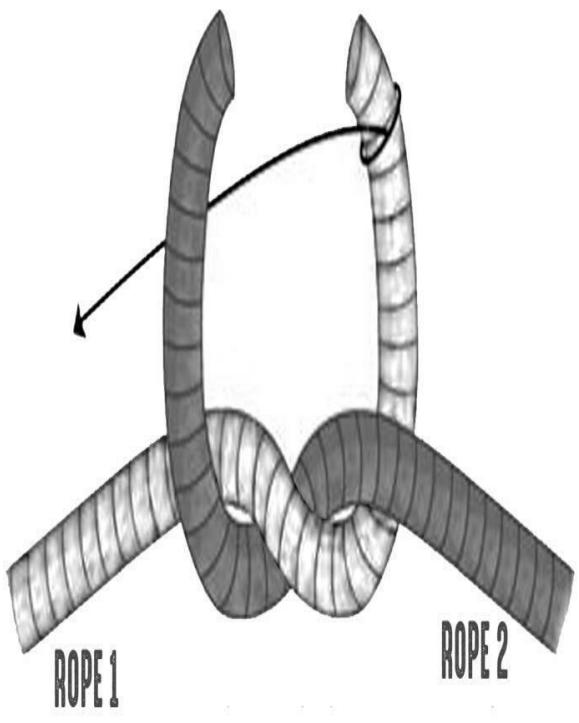
The square knot can join 2 ropes of the same size. It is the first knot we learn to make with our shoelaces. It looks like a bow and is hugely unreliable. Its breaking strength is only 45% of the line strength.

Used for :

- Making friendship or other bracelets and necklaces of hemp
- Camping.
- Pioneering.
- Knitting.
- Joining crochet yarn.
- In magic tricks.

Square (Reef) Instructions

1-Cross (Rope 1) and (Rope 2-Pass (Rope 2) End through 2) Ends (Rope 1) Loop



5-Pull the Ends to tighten 4-Knot Completed

Figure 9 Loop Knot

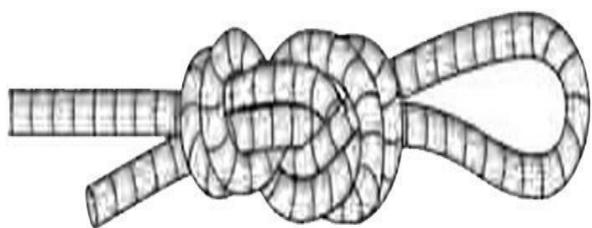
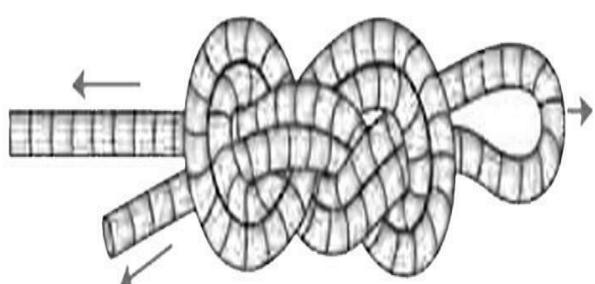
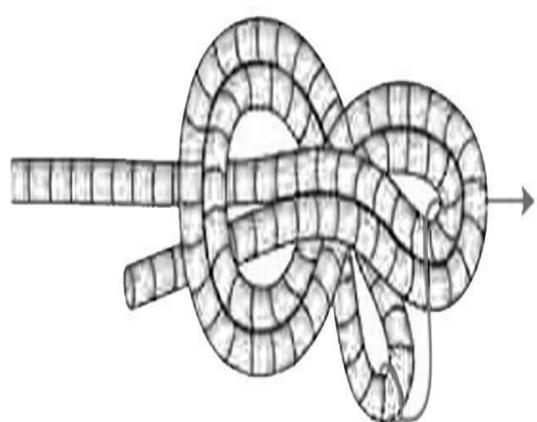
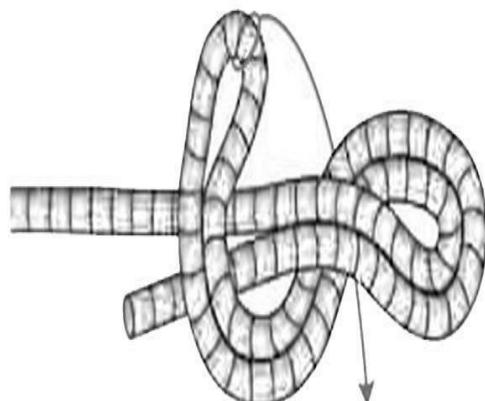
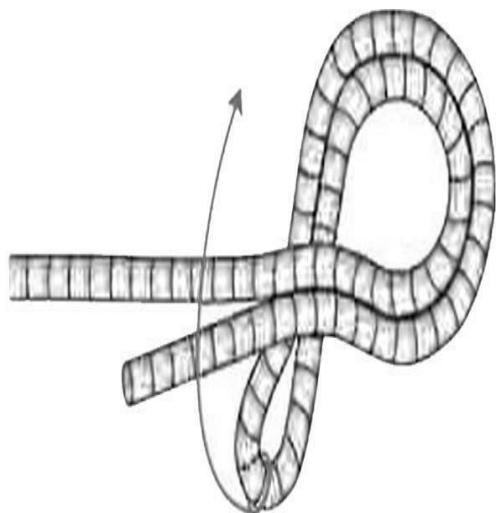
This strong knot resembles the figure 8 on a bight in appearance with one difference in the tying Process.

Used for :

- To attach a rappelling rope to a belay or anchor point.
- As an end knot in climbing.
- Caving.

Figure 9 Loop Instructions

- 1-Make a loop with a bight
- 2-Pass the end Behind The of rope loop
- 3-Pass it through the loop
- 4-Tighten by pulling the



ends 5-Completed knot

Poacher's Knot

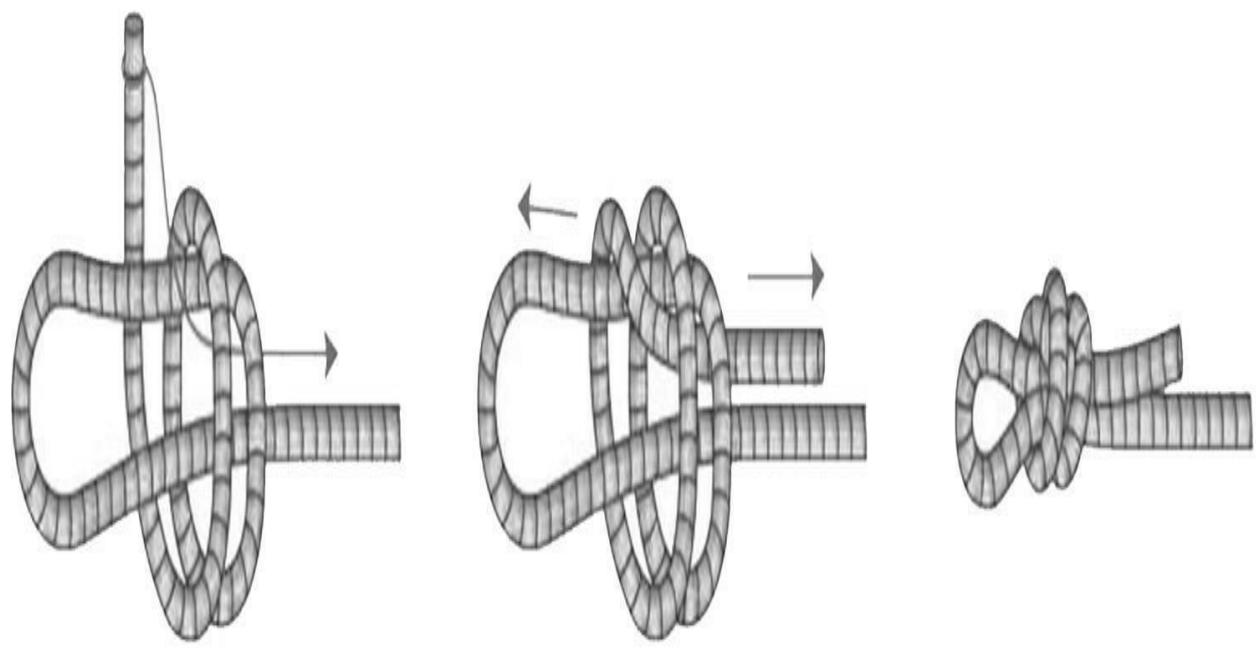
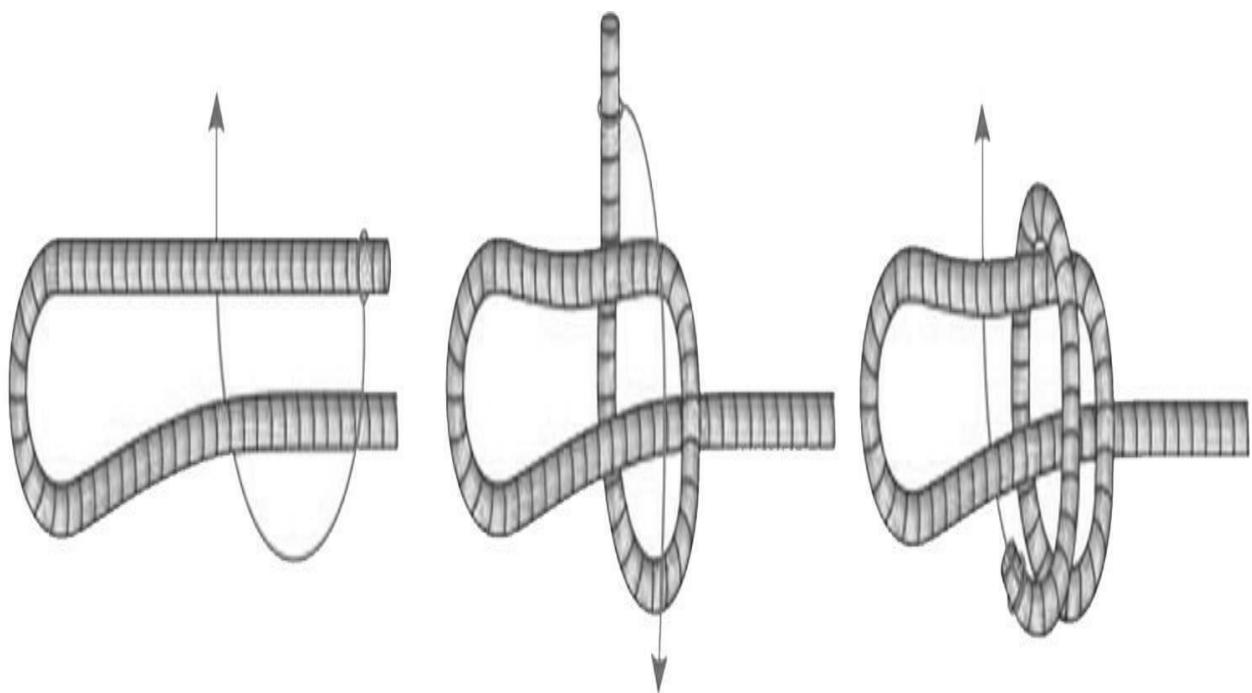
The poacher's knot forms an adjustable loop and is also known by the names strangle snare and double overhand noose since it is nothing but a double overhand knot around a bight of rope.

Used for :

- Making a simple snare since the loop constricts when it is loaded.
- For tying a foot loop to a hand ascender.

Poacher's Knot Instructions

1-Wrap the tag end 2-Wrap it one more 3-Take it up around a bight of rope time



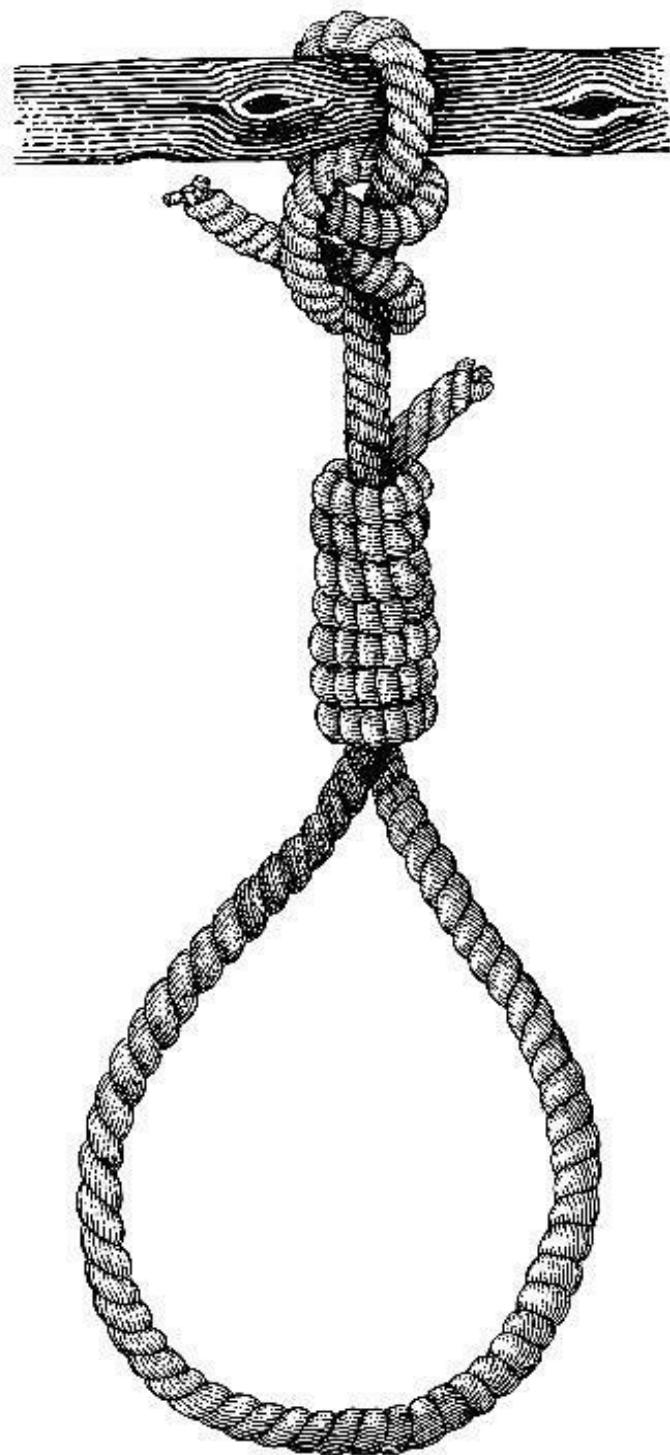
4-Pass it through The 2 5-Pull Both Ends to 6-Completed Knot loops tighten

Hangman's Knot

The hangman's knot or hangman's noose gains its name from its original use for the execution of prisoners.

Used for :

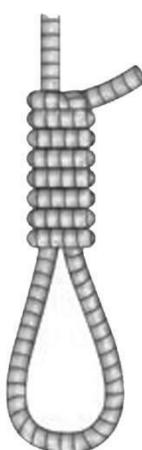
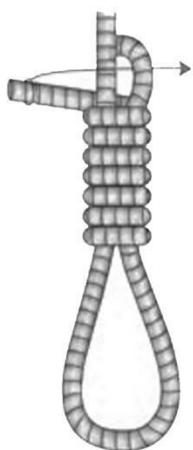
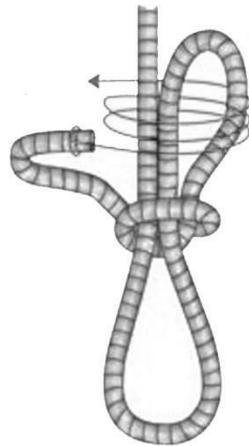
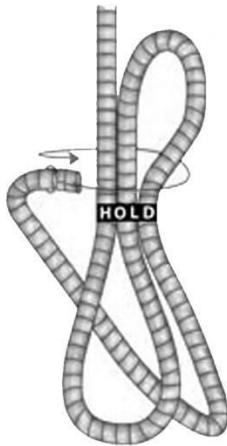
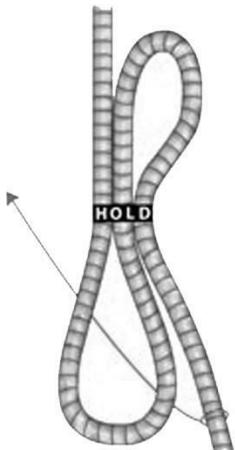
- To attach a hook.
- As a tie down for a boat, vehicle, tent, etc.
- For artistic purposes.



Hangman's Knot Instructions

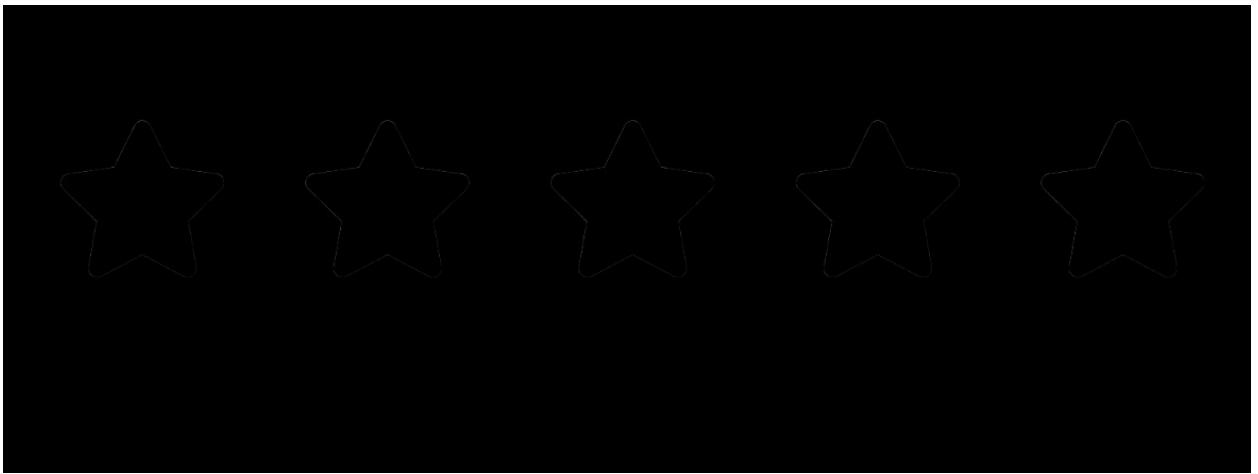
1-Pass the tag End Behind The (8) Shape.

2-Wrap it Around 3-Wrap it 3 more times the upper loop and the standing part



4-Wrap it 3 5-Pass it 6-Hold the 7-Knot more times through The lower loop Completed again Small Top loop and pull Tag End to Tighten

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THANK YOU.