



Agenda

- Why Tie Flies?
- Types of Flies
- <u>Vises</u>
- <u>Tools</u>
- Materials
- Hooks
- Organization
- Basic Tying
- General Tips











Lots of resources and videos online



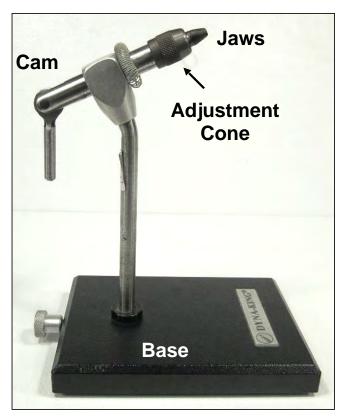
Why Tie Flies?

- Its fun!
- Sense of pride and accomplishment catching fish on a fly you tied yourself
- Be creative and develop your own custom fly patterns
- A great activity for the winter and "down" months to get ready for fishing season
- Fly tying is a great social activity get together for a beer and tie some flies!
- Increased dexterity and fine motor skills





Fly Tying Vises



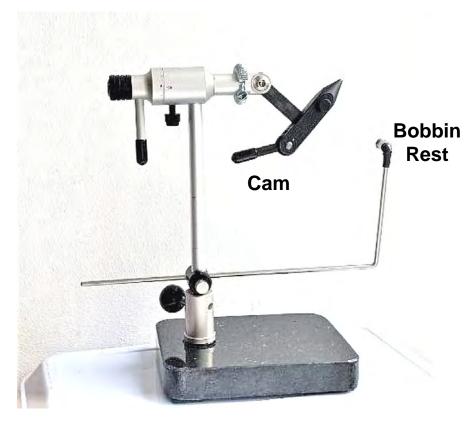
Pedestal Base



Midge Jaws Hook Sizes 10 - 32



"Big Game" Jaws Hook Sizes 8/0 - 24



Rotary Vise



Basic Tools





Other Useful Tools

- Bead Tweezers
- Bead Pad
- Tying Mat
- Side Cutters
- Needle Nose Pliers
- Dubbing Wax
- Dubbing Brush
- Dubbing Loop Spinner
- Dubbing Brush Spinner
- Combs

- Material Clips
- Material Prep Station
- Razor Blades
- Thread Splitter
- X-Acto Knife
- Sharpie Markers
- UV Flashlight
- Rotating Fly Dryer
- Small Bowl of Water
- Bic Lighter



Materials - Thread

- Thread Size Designations
 - *Denier Standard sizes range from 50 to 240 denier
 - Aught Standard sizes range from 3/0 to 12/0
- Colors
 - Standard Colors: Black, Tan, Olive, Gray, Red, White**
 - Available color variety can be dependent on thread material type
- Materials Tradeoffs with different materials
 - Polyester
 - Nylon
 - Mono
 - Kevlar
 - Silk
 - GSP



^{*}Denier is defined as the weight in grams per 9000 meters of thread. Denier is based off the weight of silk, i.e. 9000 meters of silk weighs 1 gram.

Aught Approximate Size Denier 1/0 600D 3/0 180D 6/0 100D 8/0 70D 10/0 60D 12/0 50D 14/0 40D 16/0 35D 18/0 30D



Materials - Ribbing & Spooled

- Typically offered in different sizes/diameters
- Wire ribbing used to create segmented bodies and add durability to flies
- Floss used for building colored bodies
- Tinsel used to add flash or holographic effects
- Vinyl ribbing used to create segmented bodies
- Specialty materials can replace dubbing and other traditional tying materials



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Materials - Feathers

- Variety of Uses
 - Nymphs, dries, wets & streamers
 - Tails
 - Bodies
 - Wings

Dyed & Natural











Materials - Hair & Fur

Natural animal hair and fur has a wide range of applications

- Deer, elk & moose hair is hollow and provides buoyancy for dry fly wings
- Wool & fleece often used for streamer heads and wings
- Rabbit fur strips provides great action in the water when used for streamers



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Materials - Dubbing

- Mainly used for building bodies of flies
- Natural vs. Synthetic
 - Blends are also available
- Coarse vs. Fine
- Numerous color options
- Sold in individual packets
- Dubbing boxes offer great value with 12 colors



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ome <u>Materials</u>



Materials - Chenille

Wide variety of chenille options

- Mainly used for building bodies of streamers
- Synthetic materials bound to rope/core
- Comes either on card or loose in package
- Fiber length ranges from < 1 mm to > 1 in.
- Great for Wooly Buggers, San Juan Worms, baitfish streamer bodies, and leech patterns



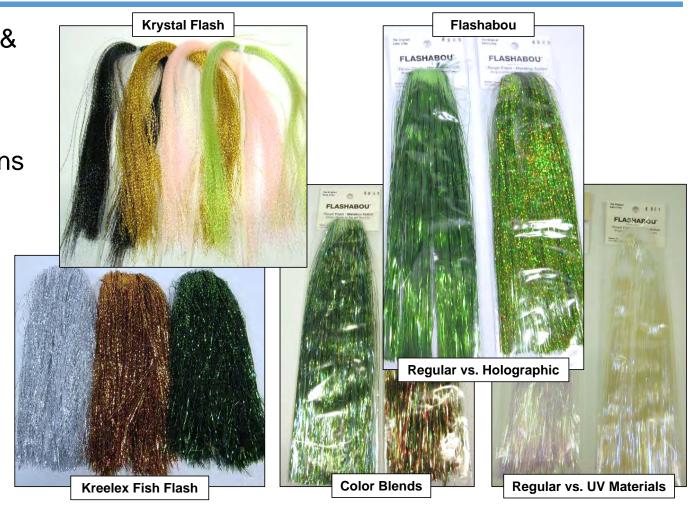


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Materials - Flash

- Great for adding sparkle & flash to buggers, streamers, and even nymphs!
- Numerous material options
 - Colors & Color Blends
 - Width/Thickness
 - Stiff vs. Limp
 - Visual Effects
 - Holographic & Mirage
 - Barring & Speckled
 - UV & Glow in the Dark
 - Textures
 - Flat
 - Crinkled



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Materials - Glues & Epoxies

- Common head cement materials include nail polish, varnish & 5 minute epoxy
- Newer materials include UV epoxies and environmentally friendly head cements
- Color pigments, glitter/sparkle & UV additives can be added to epoxies





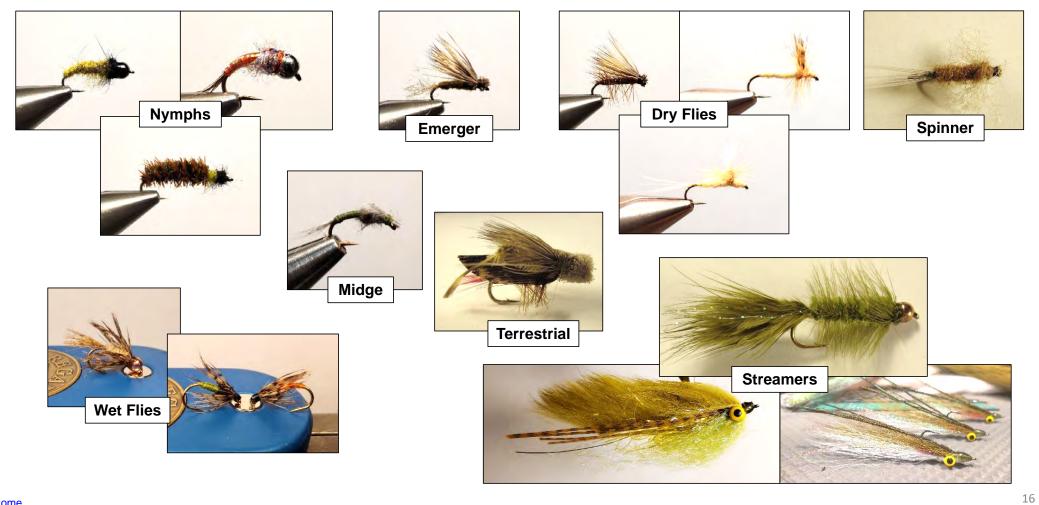
Materials - Weights







Types of Flies



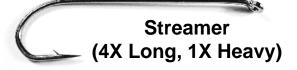


Hooks

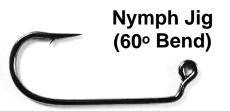


Straight Nymph/Wet Fly
(2X Heavy)





B10S Stinger (1X Heavy, Wide Gap)

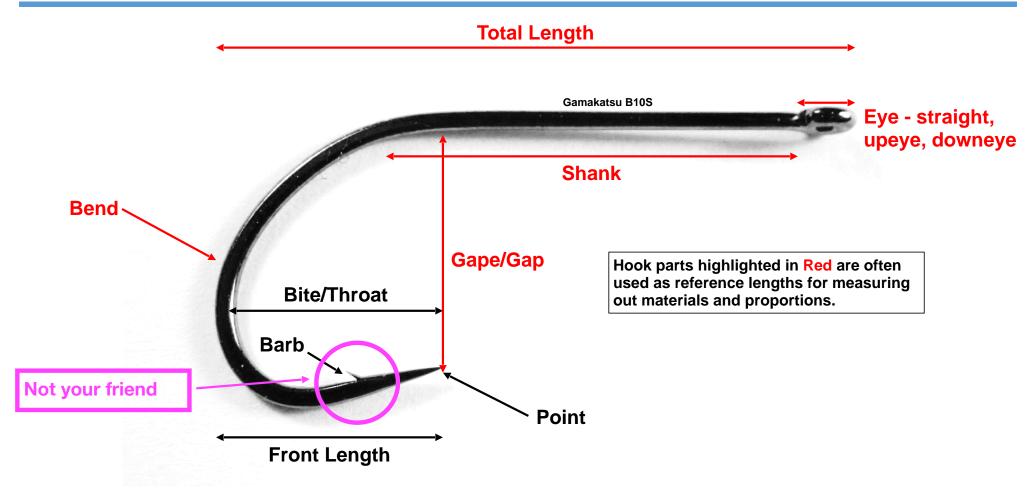


Caddis Pupa/Scud
(2X Short, 2X Heavy, 2X Wide Gap)



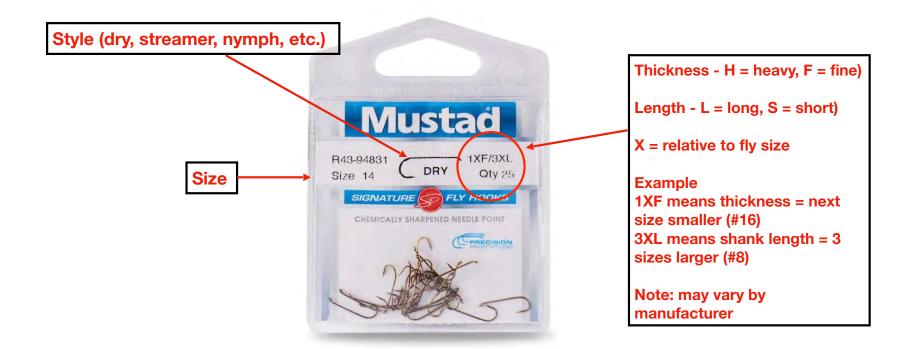


Anatomy of a Hook



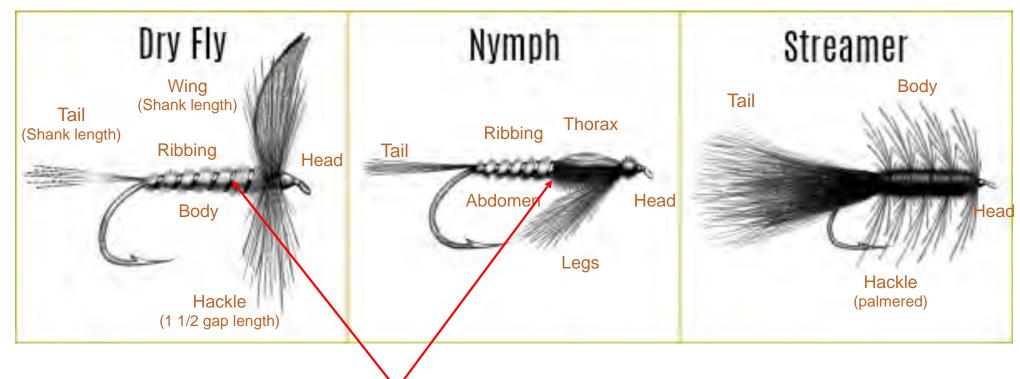


Decoding Hooks





Fly Anatomy



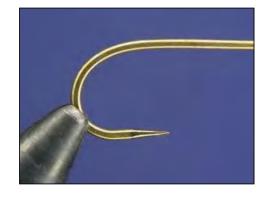
Tapered bodies and thoraxes can be built with thread or other material



Basic Tying - Mount Hook



Correct



Incorrect

Place hook between jaws

Tighten adjustment knob

Assure hook is horizontal

Secure with locking lever

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Basic Tying - Thread Bobbin



Place threader through bobbin

- non thread side

Place thread into threader loop

Pull through tube

May need to adjust tension

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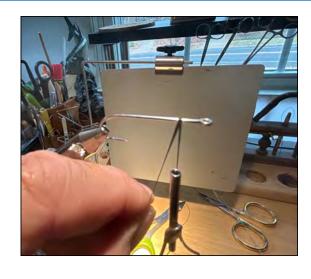
Fly Tying Steps

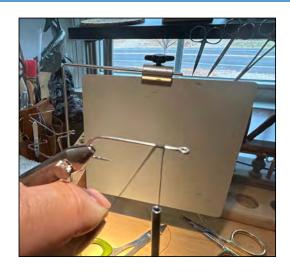
- Apply the thread
 - Used to tie each material component on the hook
- Attach the tail many fly patterns have a tail
- Creating a Body
- Wraps of thread or a variety/combination of materials
- Attach Wings or a Wing Case
- Many adult insects have wings, most nymphs and pupae have wing cases
- Attach hackle
 - Used to give the fly realism (legs, gills, motion)
- Finish
- Secure thread so it will not unravel

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Basic Tying - First Wraps







- Start behind eye of hook don't crowd hook eye
- Make a couple of wraps forward toward eye
- •Wrap backwards to lock in thread use tag end as guide
- Cut tag end
- Wrap to cover cut



Basic Tying - Thread Control

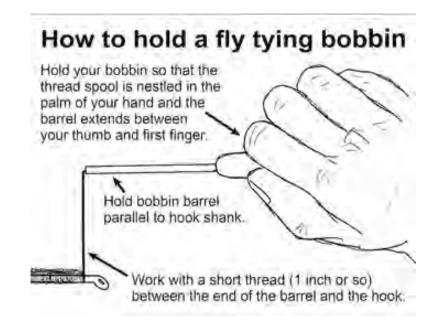
- Want flat thread (mostly)
- Less bulk
- Wider better for soft or brittle material
- Won't break as easy
- Will not kink when limp
- Will not cut into materials
- All thread has some twist from factory
- Tying adds more twist

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Basic Tying - Thread Control

- Control thread tension
 - Thread dependent
 - Bobbin tension
 - Circular path
 - Bobbin grip
- Each wrap adds more twist
 - Bulkier fly
 - Not smooth body
 - Lowers breaking strength
- Remove twist (right hand tyer)
 - Hang below hook
 - spin counterclockwise

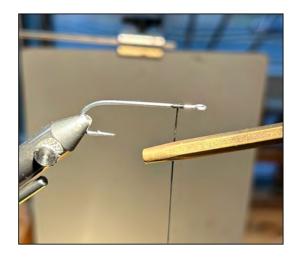


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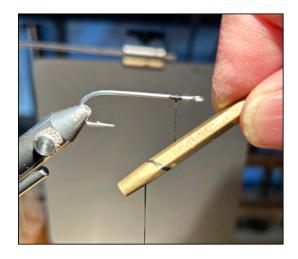


Basic Tying - Half Hitch Knot

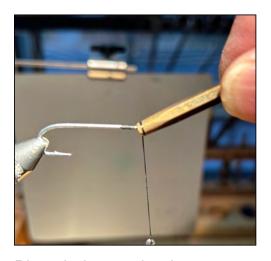
- Finish simple flies
- Save your work



Place tool over thread



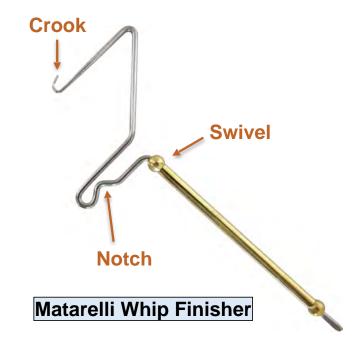
Wrap thread around tool - maintain tension -



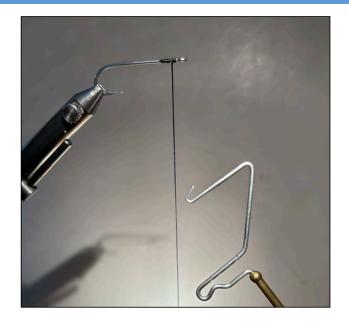
Place hole over hook eye - slide thread onto hook -



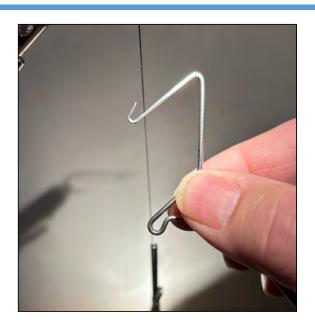
- Improved Knot Security and Durability
- Consistency in Knot Quality
- · Behind bead or cone head
- Tie material farther down shank







Pull out sufficient thread Align whip tool with thread Maintain tension

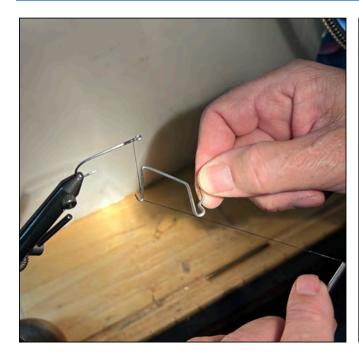


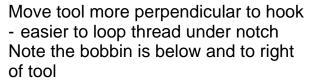
Grasp tool swivel to prevent spinning

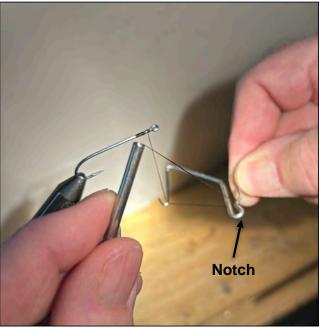


Place crook over thread

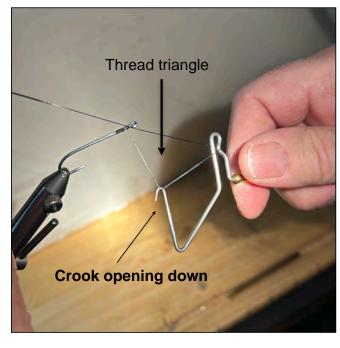








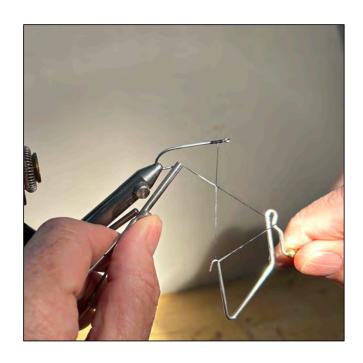
Loop thread from below over notch Note bobbin is now above and to left of whip finish tool



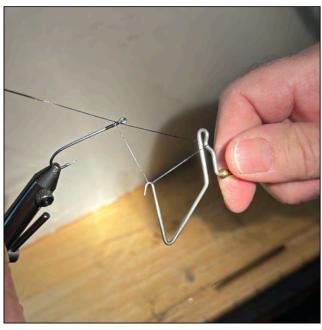
Raising bobbin and gradually release pressure on swivel
Tool will swing to above position
Note thread triangle

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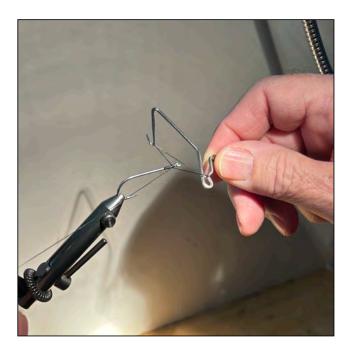




Note well defined triangle

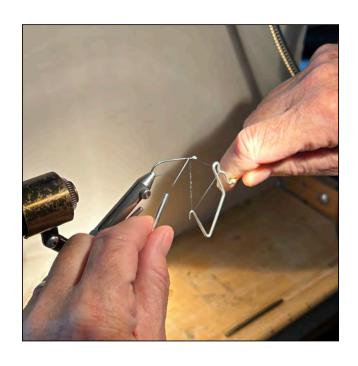


Using bobbin and tool move Upper triangle corner to the hook

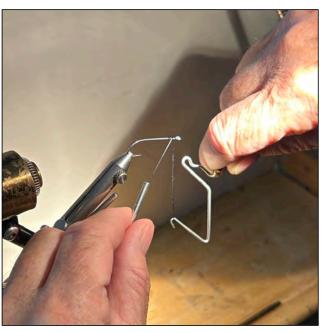


Begin wrapping thread

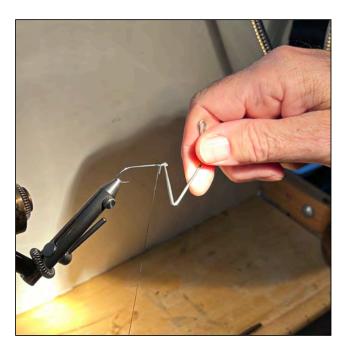




Maintain tension with bobbin Raise tool handle to slide thread off notch



Use bobbin to pull crook to hook shank



Slide crook from thread while using bobbin to tighten

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Green Weenie



Recipe

Hook: 3x Streamer hook, size 10-16

Head: Thread/colored bead/peacock herl

Thread: Fluorescent Green

Body: Fluorescent Green Chenille

Tail: Fluorescent Green Chenille







General Tying Tips

- Fly tying books and YouTube/instructional videos are an incredible resource
- A quality vise (doesn't need to be expensive) is the most important tool
- Always wrap your thread in the same direction. Pick a direction and stick to it!
 - Typical method is clockwise (when viewed from front) for RH tyer, counter-clockwise for LH
- Tying 6+ flies of the same recipe at a sitting will help to develop consistency
- Don't crowd the hook eye
- Less is typically more when it comes to dubbing
- Never use your good tying scissors to cut wire or other hard materials
- Look for materials that can be used to tie many different patterns
- Check out fly shop "bargain bins" and fly tying trade shows for deals on materials

Look for fly tying tools and materials from household products to save money