

Cross Wrap Made Easy

By Curt Baker

About The Author:

I have been building rods for 24 years. With the help of many god rod builders.

Dale Clemens

Cam Clark

Steve Jablonski (JABO)

Dick French

Todd Vivian

John Britt

Kel Cheatham

Joy Dunlop

Bill Witson

Jimmy Mac

Randy Poppert

Doc Ski

And so many more, the list would go on forever.

The Intent of this Article:

I will try to show how to do the set up for cross wraps and how the opposing Chevron is done.

With a few tricks to make it easy.

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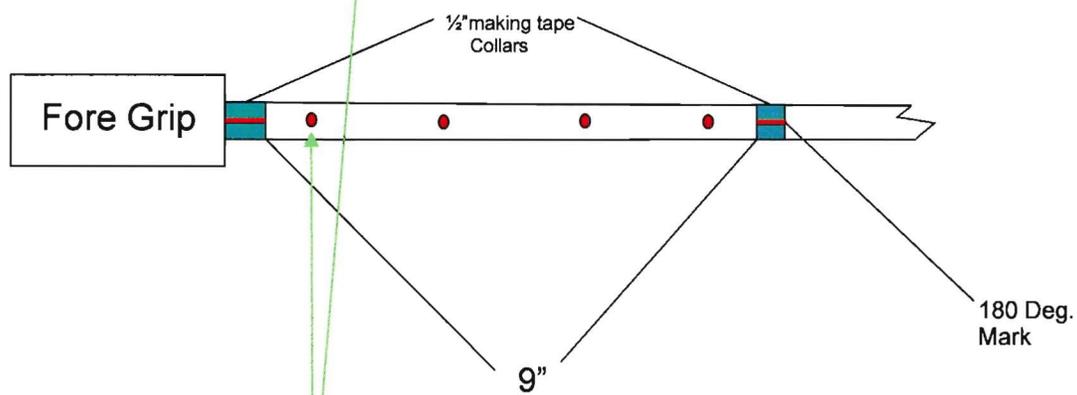
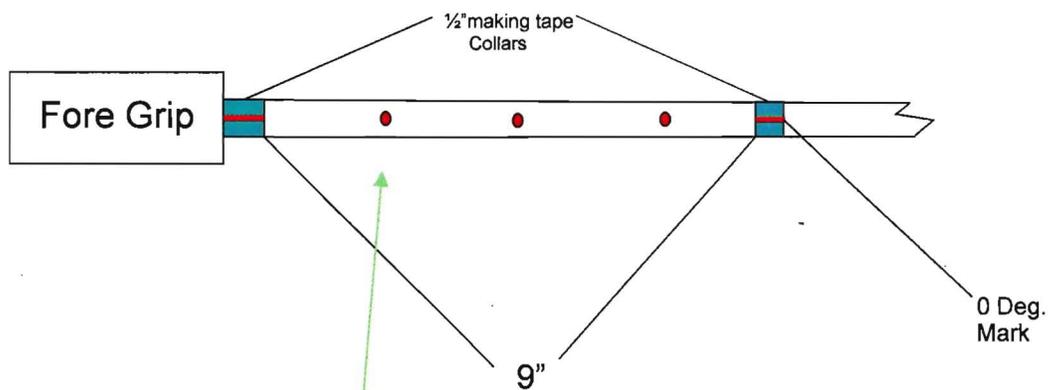
STEPS:

1. First you figure out how long of a wrap you are going to do. 6-8 " looks good and is easier to keep straight. Use 1/2" masking tape. Wrap the masking tape so you end up with the sticky side out. Tape the work area adding 1" or so for turning the thread around to get aligned for the pass back down the blank.
2. Put a mark on the masking tape, the one near the fore grip, on the top of rod.
3. Find 180 degree point and make another mark. To find this 180 degree mark use a piece of masking tape and wrap it next to the tape collar. Make a mark at the top of the rod. Then roll the tape around until it over laps the top mark. Make another mark where it crosses. Now remove the tape and fold it sticky side out so both marks are lined up. Make a fold between the marks, this will be the 180 degree mark. Mark it and then put it back on the blank lining up one of the marks with the top mark. Rotate the tape around the blank until the next mark shows you 180 degrees. Place this mark on the collar. You now have 0 degree and 180 degree marks on the tape collar on the fore grip end of your rod.
4. Using the Cross wrap alignment tool place marks on the collar at the far end.
5. Now determine the distance between patterns. Use the diameter from the middle between the two collars of tape.

For a diamond wrap this works fine. For a chevron wrap they look best if you elongate that measurement. This will stretch out the pattern. How much is up to you. You can add about 1/2" on a 1 1/2" diameter rod.

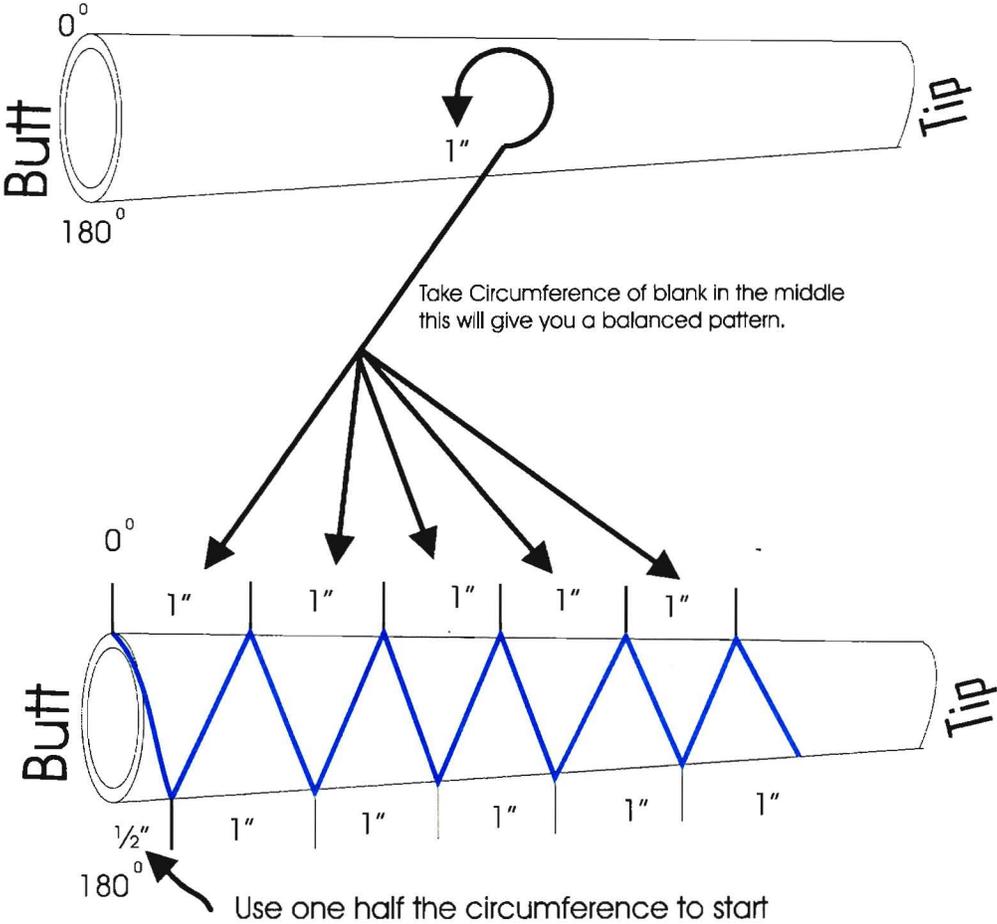
6. Using a Cross wrap alignment tool will mark the blank on the 0 access . Rotate to the 180 degree side and take 1/2 the measurement that you used on the top for the **FIRST MARK OUT**. Then go back to the full measurement to finish out.
7. Make your first thread pass. Start on the 0 degree mark and rotate crossing each mark spiraling the thread up the blank. Come back down the rod crossing the marks. This will give you X's where the threads cross over. You should be able to line them up using a thread from collar mark to collar mark to align the pattern. Start straight and check after every 6 threads to keep the pattern straight.

Mark Set Up



½ the distance Then go back to full distance

Balanced Layout

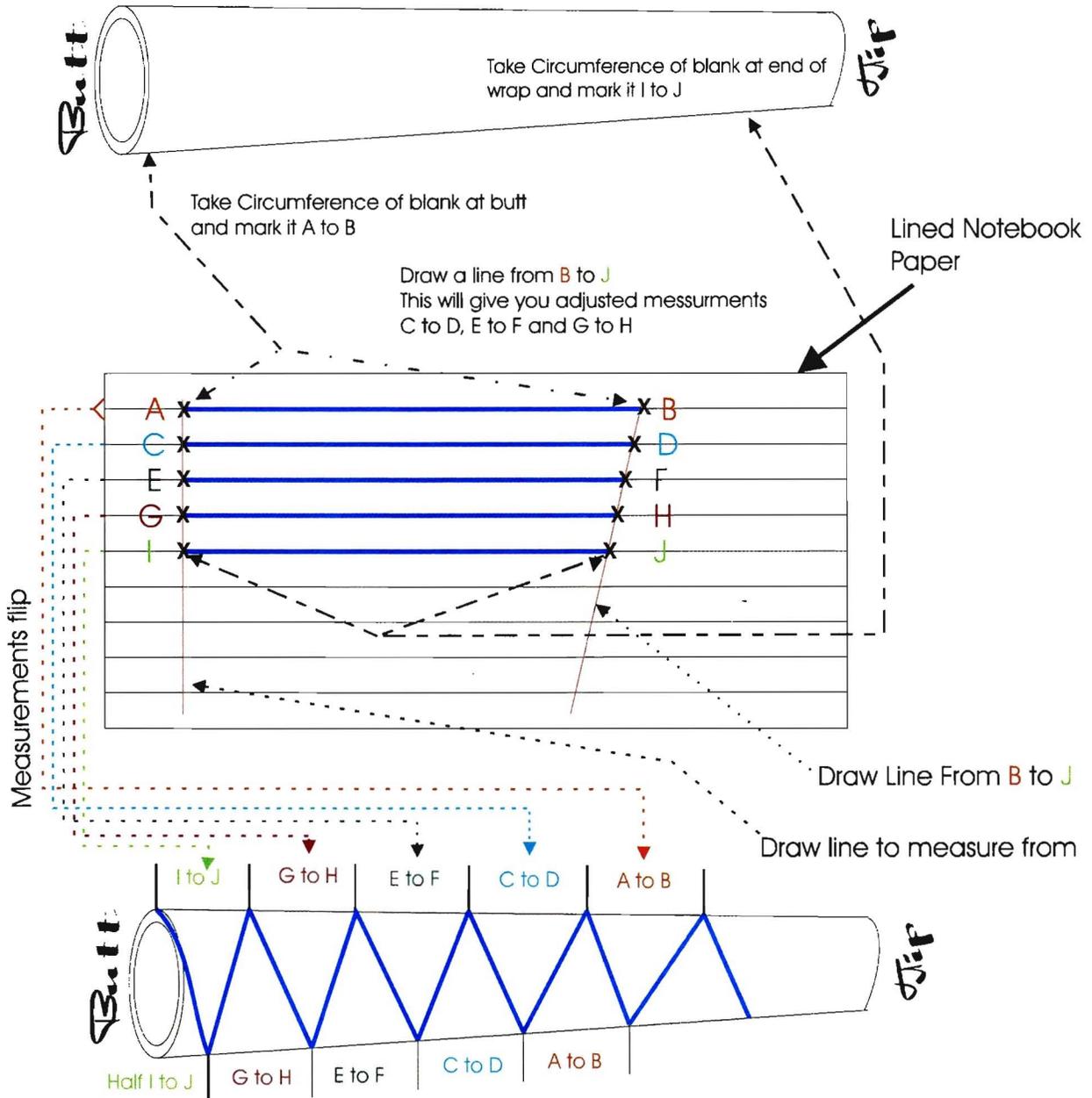


Use this to layout for open wraps that you want all the patterns to be almost the same size. Good for diamond wrap.

To ELONGATE (stretch) your pattern add to your circumference measurement.

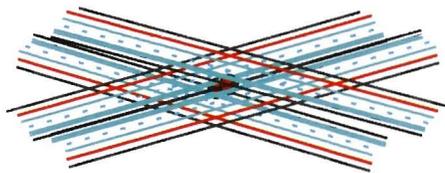
To Compress your pattern subtract from the circumference measurement.

Offset Taper Layout



1. Draw line down left side notebook paper
 2. Take circumference of butt and mark it out from line on left hand side this will be A to B
 3. Use A to B measurement to estimate number of patterns to show (in this case 5)
 4. Count down 4 lines this will be I to J
 5. Take circumference of tip and mark it on 4th line down (I to J)
 6. Draw line from point B to point J
 7. Take measurement I to J and mark it at the Butt end
 8. Then G to H, E to F, C to D and A to B
- NOTE: 1. remember to take only half of I to J for 180 degree marks

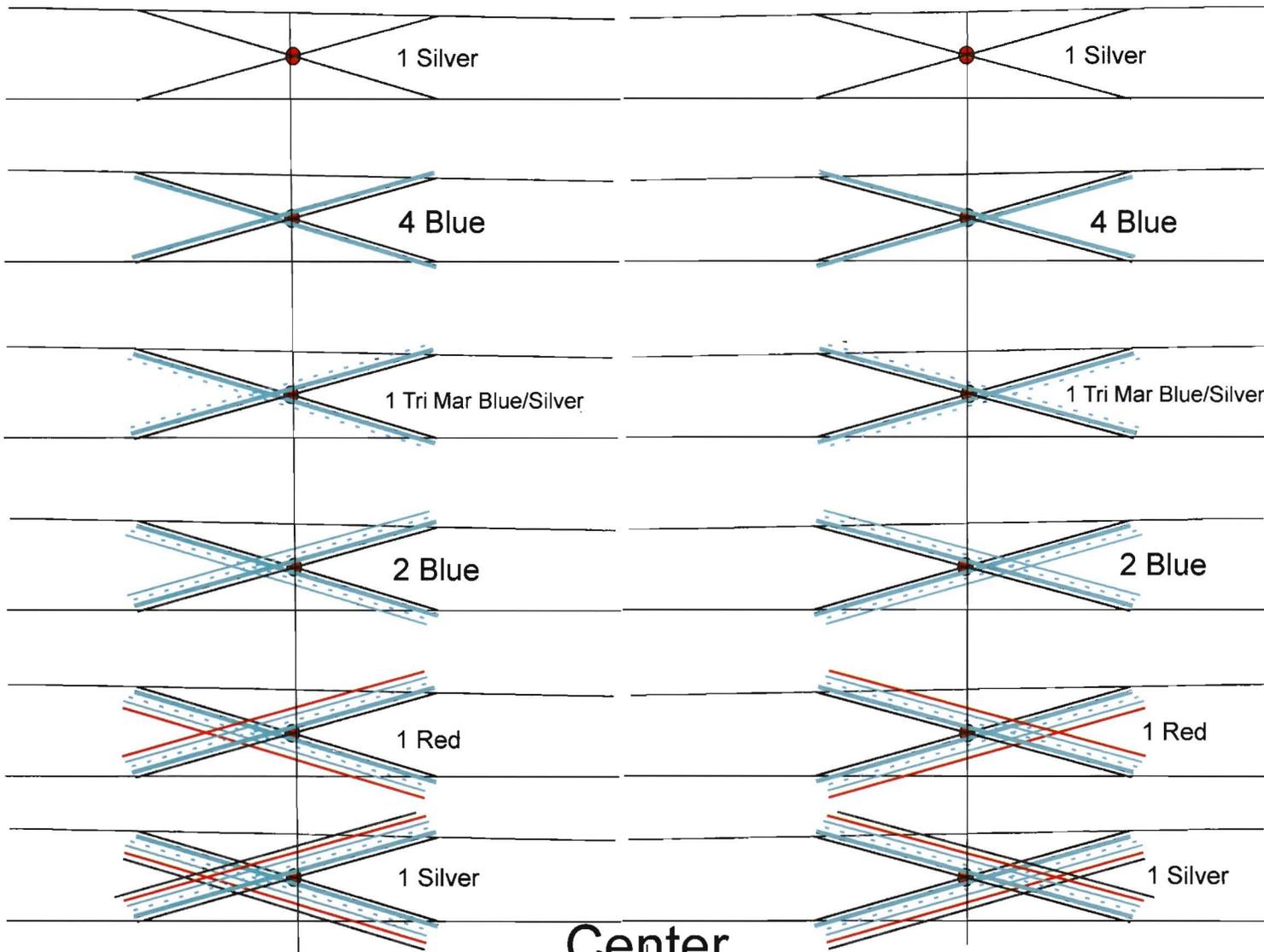
Opposing Chevron



Bottom of Center Mark



Top of Center Mark



Center

