

# BASKET WEAVE ILLUSION

## DEMO OUTLINE.

1. Turn piece and hollow.
2. Measure max. O.D. of piece. (example: 3.25")
3. Calculate circumference at max dia. of piece: (dia. x pi {Pi equals 3.141}) ( 3.25" x 3.141 =10.21") therefore circumference is 10.21".
4. Plan to use .187" (3/16") beading tool and .187" dia. burning tool.
5. Go to "The Graph Paper Maker" app.(A) Select .187 squares for designing the pattern. (B)Select a polar graph with 60 spokes (indexes). [60 indexes were chosen because it can be divided evenly by 2, 3, 4, 5, 6, 10, 12, 15, 20 and 30.] Print both graphs
6. Create your design using the 3/16" square graph paper. The design is only limited by your imagination. Design pattern ideas can also be obtained by Googling "Indian or African woven baskets, platters and bowls or Harvey Meyers' web site.

Decide on number of repeats of design pattern of feature ring. To come out even the number of horizontal squares of the pattern must divide evenly into the number of spokes (indexes). In this example 60 spokes will yield 10,12,15,20 or the reciprocal number of possible repeats of 3, 4, 5, or 6. Try not to select a prime number of indexes because it cannot be divided into an equal number of spaces.

7. Create the beads using the 3/16 beading tool from: **D- way Tools, Shelton, WA 98584 phone 360- 432- 9509.**
8. Wire burn bead roots or use Formica sample pieces.
9. Set up index plate with taped-on solar graph with 60 spokes.
10. Insert glide plate in banjo tool rest hole. Using pencil marking sled locate marking pencil at exact center using tailstock/live center point to locate proper elevation of the glide plate/pencil marker sled.
- 11 Scribe the index lines on the piece (60 index lines over full length of piece)

12. Remove piece from lathe and set up for burning the vertical lines. It is important to keep the burn line as straight as possible. Use a { .187" (3/16") wood burning pen } for burning vertical index lines.

Burning tool by:

**PJL Enterprises at PO Box 273, 720 Perry Ave., Browerville, MN 56438 phone: 320-594-2811.** My wood burning transformer is a **BURNMASTER**

"Eagle". Use the minimum amount of heat needed to do the job. In this case we have ~~21~~ <sup>18</sup> beads and 60 indexes which yields ~~(21 x 60 = 1260)~~ <sup>1080</sup> individual burn operations. It is also possible to create a burn design at the top which signifies the closure of the weaving strands (see sample piece). After the feature ring is defined other designs above and below the feature ring as long as the horizontal features of the pattern are evenly divided into the 60 indexes.

13. Mark off one feature-ring repeat and begin to color it in. Choose preferably earth tones along with india ink black. The color pens we use are **Faber Castell PITT artist pens**. I purchase mine from **Blick art supply: phone 1-800-828-4548 or (orders@dickblich.com)** . I generally use the finest pen point or the brush-pen. It is important to get the color all the way down the grooves to the burn ring. I find the fine pen is better at getting down to the bottom without getting color on the adjacent square. ( if you do get ink on bead where it is not wanted it can be carefully cut away with a very sharp Exacto knife.)

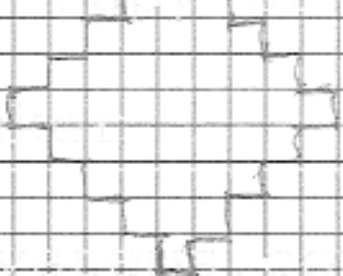
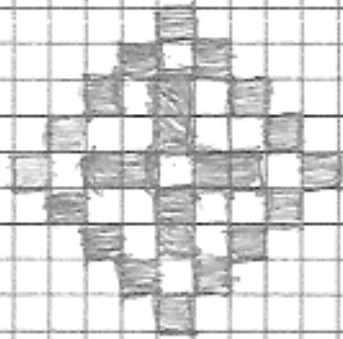
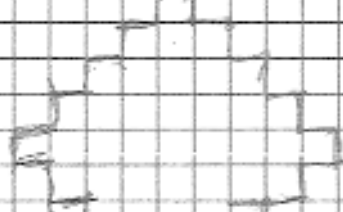
14. After finishing coloring one repeat you can then continue doing the remainder of the repeats as well as the lesser designs at the top and bottom areas.

15. After the piece is finished spray on a couple of coats of **Krylon matte finish** to seal the colors and the wood. (Krylon is preferred because it is perfectly clear and will not change the colors of the patterns.)

Created with a demo copy of  
Graph Paper Maker

<http://www.blackcatsystems.com>

35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

## Sample Polar Graph Paper

