

1 NOTE --- Of all the curved box designs, pillow boxes are probably the best known. We will therefore start our Curve Boxmaker instructions by showing how to make these pillow boxes. Once the design and construction of pillow boxes are mastered, you can go on to other more complicated and intricate designs.

2 DEFINITION --- A **PILLOW BOX** is defined here as, "a box that looks like a pillow". (Now we know that isn't a very precise definition -- because pillows come in a wide variety of shapes. Pillows can be round or square or rectangular, or in fact, any shape -- they can also be thick or they can be very thin --- and the various sides can either be convex or concave -- but bear with us for a while).

3 ONLY TWO SIDES??? -- Note that these boxes essentially have **ONLY TWO SIDES** -- with the ends of these two sides being folded in such a way (after scoring) to form the **ENDS** of the box and to hold the sides apart so as to give the box some depth. (And that is really quite strange -- because a box almost always has four sides and a top and bottom -- or six sides in all (except if it is a triangular or hexagonal or pentagonal or octagonal --- but that is too much to discuss here).

4 TERMINOLOGY -- Let's agree that we will define the **LENGTH, WIDTH AND DEPTH** of these boxes in this way.

The **LENGTH** is the distance along the two straight edges of the box

The **WIDTH** is the distance across the sides of the box **BEFORE** the ends are folded in. (note that width of the box is reduced some after the ends are folded in)

The **DEPTH** of the box is the distance between the sides **AFTER** the ends are scored and folded in.

5 OPENINGS -- Note that pillow boxes can open (1) along the ends, (2) the side seams or (3) the center of one side. There may even be other ways to open these boxes -- but we haven't found them yet.

6 FOLLOW THESE STEPS WHEN MAKING A PILLOW BOX WHERE THE ENDS OPEN

6.1 Decide on the length and width of the box you want

6.2 Calculate the size of the cardstock blank you will use and cut a piece of cardstock to that size.

6.3 Score the cardstock with two straight lines to define the dimension of the sides and a glue tab at one edge of one side)

6.4 Score football shaped areas at the four ends (two for each side) of the two sides. See **PAGE 5 OF THE ENCLOSED CURVEMAKING REPORT**. Note that the scoring curves are marked with numbers that show the diameter of the curve. Note that larger diameters make narrower boxes and smaller diameters make thicker boxes -- this is counter-intuitive for most people. **BE SURE TO KEEP THE CARDSTOCK SQUARE** to the lines on the black scoring base and the clear scoring guide.

6.5 Cut away and discard the areas to the outside of the football-shaped areas.

6.6 Fold on the center score and glue the tab to the inside of the other side to form a sleeve.

6.6 Fold the football shaped flap-ends in to form the box -- (you should cut a little fingertip grip on the edge of the inside flap end to make it easier to open)

6.7 **YOU ARE FINISHED**

7 TO MAKE A PILLOW BOX WHERE THE SIDE SEAMS OPEN

- 7.1 Follow the general instructions above -- but leave two 1" tabs adjacent to the outside edges of the sides and eliminate the glue tab.
- 7.2 Fold one of these tabs in 180 degrees before folding in the ends.
- 7.3 Fold in the other tab into the seam between the two sides where it will hold by friction.

8 TO MAKE A PILLOW BOX WHERE THE BOX OPENS ON THE CENTER OF A SIDE

- 8.1 Follow the general instructions above --- but add a third side (see page 7 of the enclosed Curvemaking report) and figure out a way to secure this third side (there are many ways).

9 BASIC CONSIDERATIONS FOR ALL PILLOW BOXES ---

- 9.1 You have to decide the **length, width and depth** of the box you want -- these dimensions can, of course, vary a lot and can result in short, flat envelopes or long wide tubes or anything in between.
- 9.2 You have to decide how you want the box to **open** --- on the **side seam**, at the **end** or on the **center of a side**.
- 9.3 Follow the instructions for the box you have chosen (either 6, 7 or 8 above).

ABBREVIATED SIZE CHART FOR REGULAR PILLOW BOXES
 SHOWS LENGTH AND WIDTH OF CARDSTOCK AND CURVE DIAMETER FOR VARIOUS FINISHED
 BOX SIZES.

FINISHED BOX SIZES --
 (WIDTH IS THE DISTANCE
 FROM CURVED SIDE TO
 CURVED SIDE)

L	W	D	CARDSTOCK		SCORING
			LENGTH	WIDTH	DIAMETER
3	2	1	5	4-1/2 (1/2" tab)	4
4	2	1	6	4-1/2	4
5	2	1	7	4-1/2	4
6	2	1	8	4-1/2	4
8	2	1	10	4-1/2	4
10	2	1	12	4-1/2	4
3	3	1	5	7 (1" tab)	6
4	3	1	6	7	6
5	3	1	7	7	6
6	3	1	8	7	6
8	3	1	10	7	6
10	3	1	12	7	6
3	5	1	5	11 (1" tab)	10
4	5	1	6	11	10
5	5	1	7	11	10
6	5	1	8	11	10
8	5	1	10	11	10
10	5	1	12	11	10
3	8	1	5	17 (1" tab)	16
4	8	1	6	17	16
5	8	1	7	17	16
6	8	1	8	17	16
8	8	1	10	17	16
10	8	1	12	17	16

NOTE: For wider boxes --- use SMALLER diameter scoring slots

FINISHED BOX SIZES --
(WIDTH IS THE DISTANCE
FROM CURVED SIDE TO
CURVED SIDE)

			CARDSTOCK		SCORING DIAMETER
L	W	D	LENGTH	WIDTH	
3	3	2	5	7 (1" tab)	6
4	3	2	6	7	6
5	3	2	7	7	6
6	3	2	8	7	6
8	3	2	10	7	6
10	3	2	12	7	6
3	5	2	5	11 (1" tab)	10
4	5	2	6	11	10
5	5	2	7	11	10
6	5	2	8	11	10
8	5	2	10	11	10
10	5	2	12	11	10
3	8	2	5	17 (1" tab)	16
4	8	2	6	17	16
5	8	2	7	17	16
6	8	2	8	17	16
8	8	2	10	17	16
10	8	2	12	17	16

NOTE: For wider boxes --- use SMALLER diameter scoring slots

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