

REPTILE CAGE PATTERN



Reptile cages can be made from nylon screen, or tightly woven shade cloth. 80% shade cloth can be purchased online at www.Gemplers.com at a reasonable price, or nylon screen can be purchased at any hardware store.

The center uses three sizes. The **22** gallon size is 14" high, 14" wide and 25" long; the **38** gallon size is 16.5" high, 16.5" wide, and 30" long; the **65** gallon size is 28" high, 16.5" wide, and 30" long.

SUPPLIES:

You will need approximately 80" X 26" of fabric screen for the 22 gallon size, 90" X 31" of fabric for the 35 gallon, and 102" X 31" of fabric for the 65 gallon. The 22 gallon cage requires a 53" length zipper, and both the 38 gallon cage, and the 65 gallon require a 63" length zipper around the top. (Best purchased on rolls where you make your own size

zipper) You could use two 32 inch zippers being sure to make them meet closely in the center, and carefully cutting off the bottom ends, tacking together so the pull will not slide off. You will also need black thread.

The framework for the cage is made from ½ inch PVC pipe. You will need 8, three way, 90 degree, ½ inch corner pieces for each cage. These are available at Lowe's or other large home improvement stores, as well as on the internet. **Hint:** Be very careful when buying that you purchase “**slip in**” corners with no threads on the inside, or your pipe will not fit.



For the **22** gallon cage you will need 15.5 ft. of ½ inch PVC pipe (Usually purchased in 10 or 20 ft. lengths)

For the **38** gallon cage you will need 17.5ft. of ½ inch PVC pipe

For the **65** gallon cage you will need 21 ft of ½ inch PVC pipe

Instructions for Cutting and Sewing Cages:

Cut from fabric screen or shade cloth:

22 gallon cage:

Cut top and bottom pieces---2 pieces 15” X 26”

Cut 2 side pieces----15” X 26”

Cut 2 end pieces----15” X 15”

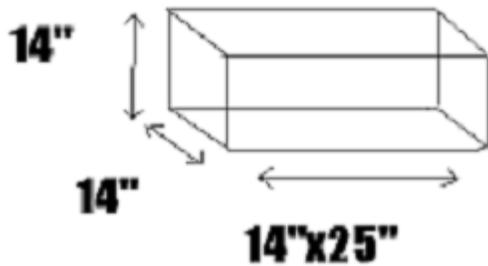
Using a 1/2” seam throughout, sew bottom piece to both side pieces.

Hint: When sewing seams leave 1/2 inch at the end of seam at bottom corner. This will allow enough seam for sewing the next piece from the opposite direction.

Sew end pieces to bottom and side pieces being careful to reinforce corners. Make sure stitching meets exactly at corners leaving no gaps.

Sew top piece to box on one side piece only, leaving the end pieces and other side open. Finish all edges to prevent fraying and help smooth seams. Turn all seams to inside of box made. Sew zipper around all three open sections of top making sure zipper faces outward. (Zipper should be laid with pull facing down against top of outside of cage). One side of zipper is sewn to top and the other zipper side to both ends and open side piece. Make sure seams match corners of top, so there is no bunching.

Basic 22 Gallon Cage:



38 Gallon Cage:

Cut top and bottom pieces---2 pieces 17.5" X 31"

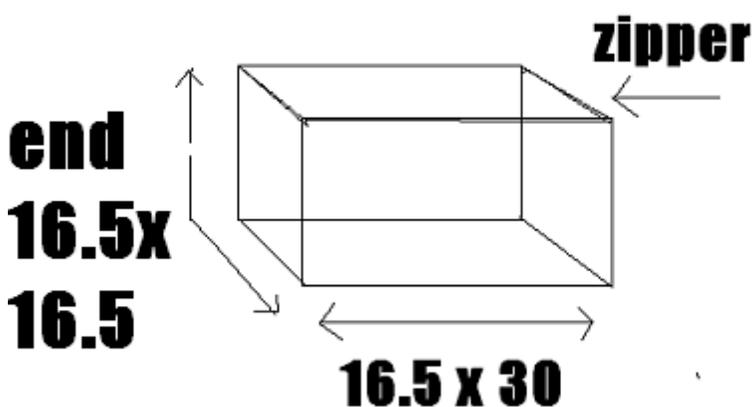
Cut 2 side pieces-----17.5" X 31"

Cut 2 end pieces-----17.5" X 17.5"

Follow sewing directions same as for 22 gallon cage.

Basic 38 Gallon cage:

top 16.5x30



65 Gallon Cage:

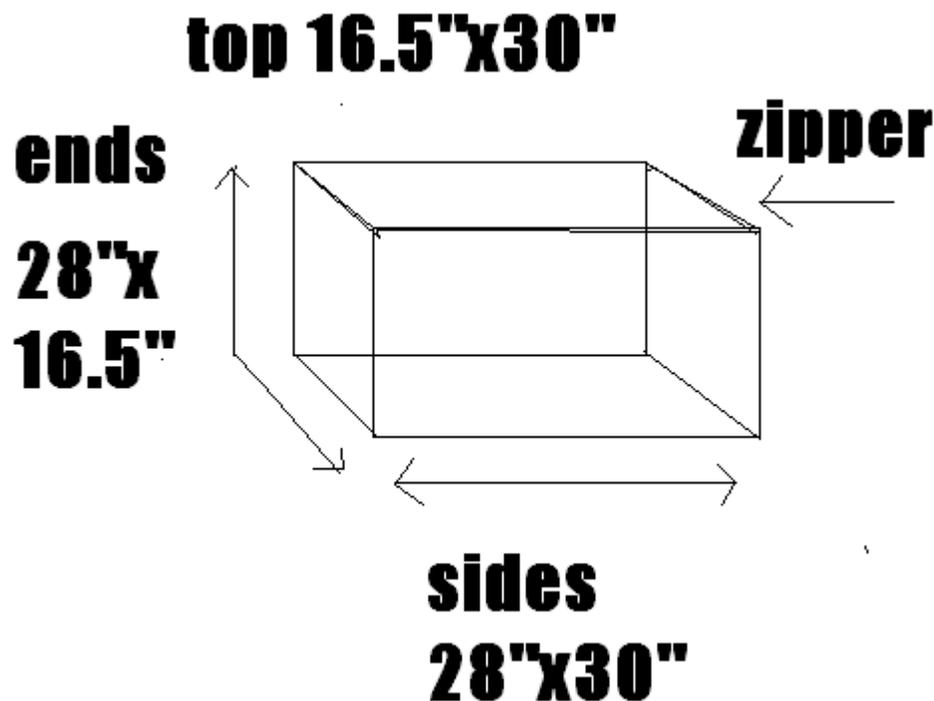
Cut top and bottom pieces—2 pieces 17.5" X 31"

Cut 2 side pieces-----29" X 31"

Cut 2 end pieces-----17.5" X 29"

Using a 1/2" seam throughout, sew together same as the 35 gallon cage. This cage uses the same size zipper as the 38 gallon cage.

Basic 65 gallon cage



Making the framework:

For the 22 gallon cage:

Cut 4 pieces of 1/2 inch PVC pipe....22 3/4 inches---
these are the length pieces for top and bottom

Cut 8 pieces of $\frac{1}{2}$ inch PVC pipe..... $11\frac{3}{4}$ inches---
these are width and height pieces

Using corner pieces construct framework with the size of the cage accordingly. The cuts are slightly smaller than the cage size allowing for $1\frac{1}{8}$ inch for each corner section. Make sure pipe is pushed into corner pieces fully, or framework will be too large for the cage. Slip cage over framework and close zipper. Cage is now finished.

Making the framework:

For 38 gallon cage:

Cut 4 pieces of $\frac{1}{2}$ inch PVC pipe... $27\frac{3}{4}$ inches—
sides pieces (length)

Cut 8 pieces of $\frac{1}{2}$ inch PVC pipe--- $14\frac{1}{4}$ inches---
width and height pieces

Using corner pieces construct framework same as for the 22 gallon size.

Making the framework:

For 65 gallon cage:

Cut 4 pieces of $\frac{1}{2}$ inch PVC pipe..... $27\frac{3}{4}$ inches for
length

Cut 4 pieces of $\frac{1}{2}$ inch PVC pipe..... $14\frac{1}{4}$ inches for
width

Cut 4 pieces of 1/2 inch PVC pipe.....25 3/4 inches for height

Using corner pieces construct framework the same as for 22 gallon size.

Note:

Cage can be folded, and framework left unassembled for shipping to the center if necessary.