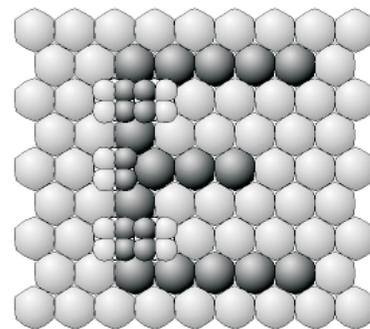


Aperture frameworks, like RMS™, usually hold balloons in openings (apertures) in the framework. It is possible to get more detail in the balloon graphic by splitting up apertures into smaller segments by installing multiple smaller balloons in the openings. This is one of several patent pending methods for accomplishing this goal.

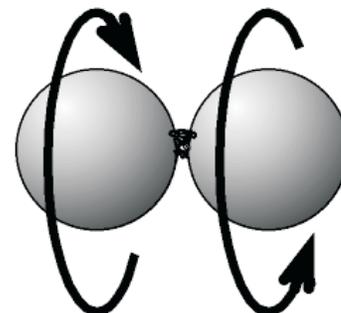
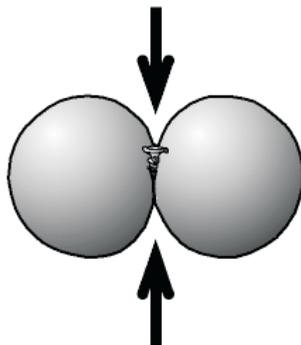
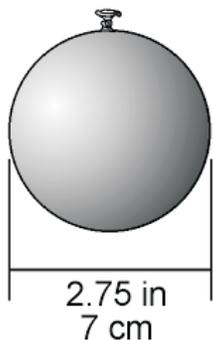


Split Aperture Clusters used to make the back of the "E" straight.

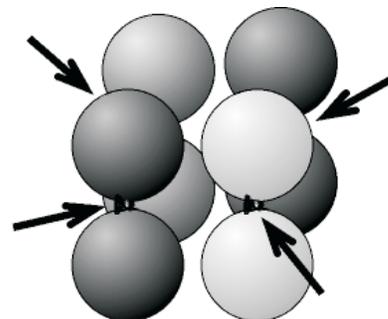
### Directions for use with RMS Banners™:

(Note: You may use this same procedure with RMS Builders™ by doubling the dimensions given here.)

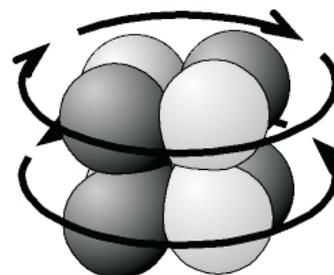
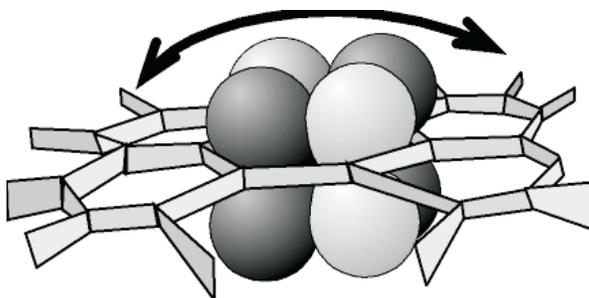
- (1) Inflate (4) balloons to 2.75 inches (7 cm) diameter.
- (2) Pinch the first balloon in the middle directly over the knot in the neck of the balloon and twist the two bubbles in opposite directions several times. Be sure to keep the knot in the middle area being twisted.



- (3) Repeat steps (1) and (2) with the other three balloons.
- (4) Put the four pairs of double-bubbles together and twist them several times to create a cube cluster of eight bubbles. Massage the balloons to get the "cube" even and to arrange the colors for your display.
- (5) Place the cluster in an aperture of the RMS Banner Matrix with four bubbles above and four bubbles below the framework straps.

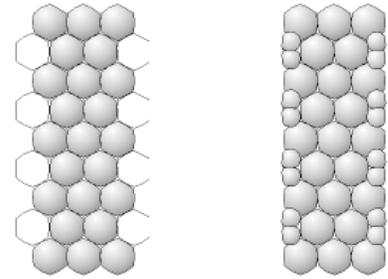


- (6) Rotate the cluster within the aperture to orient the colors to match your design.



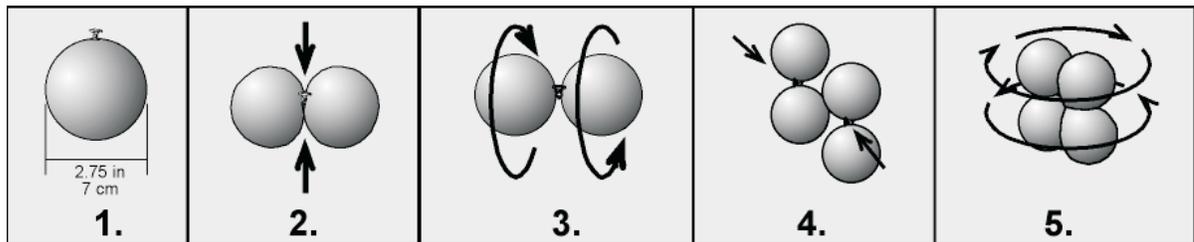
Half sized split apertures are useful for smoothing otherwise bumpy outside edges of RMS graphics. Figure **B** to the right shows clusters of 4 bubbles (instead of 8) used in half sized apertures to smooth the left and right edges shown in Figure **A**. Preparation of the four bubble cluster is very similar to preparation of the eight bubble cluster.

1. Inflate (2) balloons to 2.75 inches (7 cm) diameter.
2. Pinch the first balloon in the middle directly over the knot in the neck of the balloon.
3. Twist the two bubbles in opposite directions several times. Be sure to keep the knot in the middle.
4. Repeat steps **1.**, **2.** and **3.** with a second balloon.
5. Put the two pairs of double-bubbles together and twist them several times to create a cluster of four bubbles.



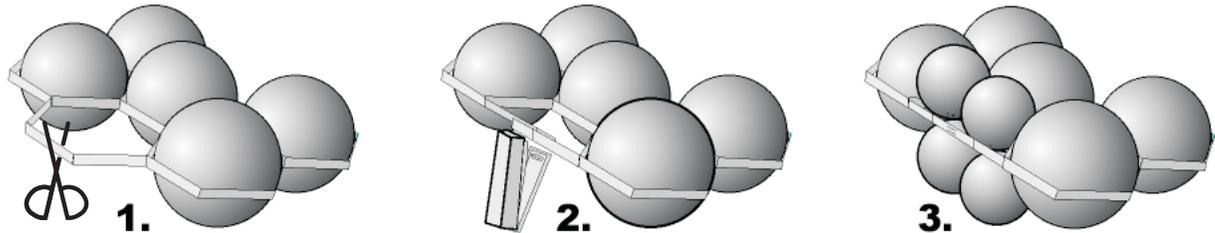
**A** **B**

Split Aperture Clusters of 4 bubbles are used to convert the bumpy edges of "A" into the straight edges of "B".



The apertures on the left side of Figure **A** are completely enclosed by Matrix straps.

1. Cut the strap as in **1.** below.
2. Overlap the cut ends and staple them together as in **2.** below.
3. Load a cluster of four bubbles as shown in **3.** below.



The apertures on the right side of A are open. This commonly occurs on outside edges of RMS Banners and Builders. The pieces that stick out are connector tabs.

1. Fold down adjacent connector tabs across the gap as shown in **(1.)** below.
2. Use fasteners of your choice to connect one tab to the other so that the connector tabs just about touch as shown in **(2.)** below. You may use staples, cable ties, rubber bands, or the special fasteners show here from Rouse International Custom Shop.
3. Load a cluster of four bubbles as shown in **(3.)**.

