

# Aggregate Conveyors

All Scales

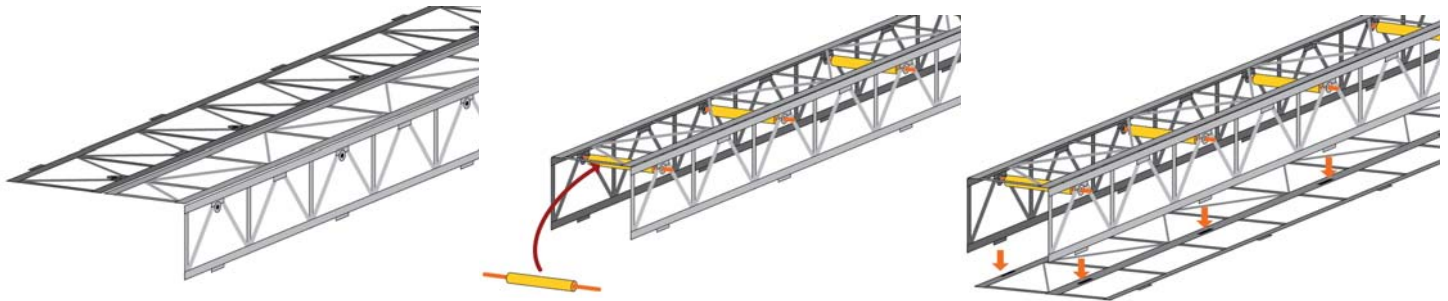
## Before Starting

**PREPARING BRASS** The easiest way to remove the brass parts from the sheet they are produced on, is to use rail nippers. The brass is soft and won't affect their future cutting ability. This will reduce or eliminate the amount of filing to smooth the edge. The next best way is with small sharp diagonal cutters that will fit into the small areas between the part and the sheet holding them. *You should always use a file to remove the balance of the tie. This will ensure a perfect fit.*

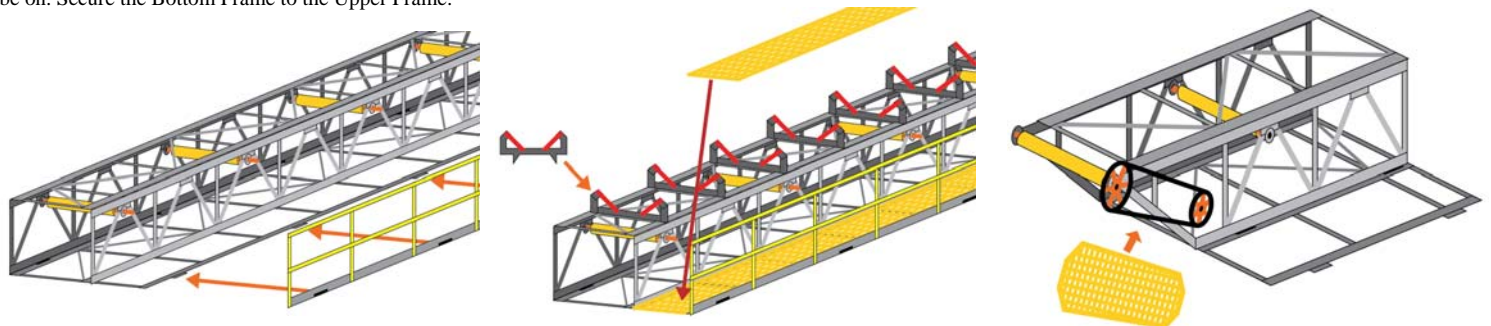
**GLUING BRASS** Instant super glues, Cyanoacrylate, CA for short, are very prominent in model building today. They will work perfectly with brass, and they are instant. We recommend a thick CA glue such as "Zap-A-Gap" from Pacer Technology. As I have also been building R/C airplanes for over 33 years, I have many airplanes built entirely with CA glue and I can tell you that the wood will break before the glue joint. So it is great stuff! Besides being almost instant, thick CA glues will help create a small fillet and fill small gaps when applied to the inside of joints. Using a toothpick to apply the CA glue works really well for getting the glue into the interior areas and controlling the amount of glue used.

**PAINTING BRASS** Wash your completed assembly in warm soapy water. If it is really messed up with flux etc. you can clean it with a lacquer thinner first. *Do NOT bake the model if you used CA glue for construction.* Baking will set the paint to the brass as well as allowing you to paint over parts of it without the first coat dissolving as you spread on the second coat. One nice thing about painting on brass, if you don't like the paint job you can use paint remover to get rid of it and start again without hurting the brass.

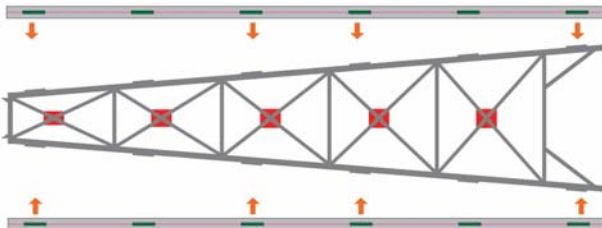
## Step #1 – Building the Conveyor Frame



Bend the Upper Frame 90 degrees on one side and then the other. Build the bottom rollers by placing a length of the small tubing on to the supplied wire. The wire should be long enough to stick out the holes in the Upper Frame Sides. Rolling an Xacto knife blade onto the tubing is a good way to cut the tubing with a nice edge. Attach the bottom of the Conveyor Frame by placing the tabs on the Upper Frame into the slots on the Bottom Frame. If building the Conveyor with a walkway, decide which side the Walkway will be on. Secure the Bottom Frame to the Upper Frame.



Secure the Walkway Railing to the Bottom Frame followed by the Grated Walkway. Install the Conveyor Rollers onto the top of the Upper Frame at each cross piece. The Rollers have two small triangular tabs on the bottom to help in aligning the Roller on top of the Frame. Build the Conveyor Ends the same way as the main frame. The end roller is built by placing a length of the small tubing on to the supplied wire followed by the same length of the larger tubing. Place the motor casting on the bottom End. Secure the Pulley and Belt and then the Belt Gard.



Place the tabs of the A-Frame into the half etched slots on the back of the A-Frame Sides. Secure the Sides. The top of the A-Frame has two small triangular tabs on the top to help in aligning the A-Frame to the Bottom Frame at a cross member.

The Conveyor Belt is made with strips cut from glossy magazines to the width of the Top Frame. Glue enough strips together to create a single strip that will wrap around the Conveyor. Paint the strip a dark gray and then light gray in the middle. Crease the Belt to fit into the Top Rollers, around the End Rollers and secure together from the bottom.