# Tips for the HO Ski-Lift

- HO scale is a common scale used for model trains. HO scale is 1:87 or 87 times smaller than life. while HO is very common, there are several different grades of quality, everything from the basic toy to what is considered fine scale or museum quality the HO ski lift can be considered in the fine scale/museum quality range. When setting up the stations you'll need to consider a few factors such as placement, and ensuring they are in a fixed location. In my example I fixed the mountain station above the base station, using a short run. This structure can later be decorated or integrated with some scenery if you wanted, you can often find HO scale figures on line that can be used.

- **String tension**: there is no precise measurement for string tension, this is largely trial and error, it however is suggested to use a gondola clipped on the string as an aid for tensioning, after fixing the stations in their locations stretch the string between stations, running the rope until it's tight. Then tie your square knot.
    - Once done thread it over and under the pullies hang the chairs or gondolas and run the ski lift without the tops, making sure they don't' catch etc.


- **Ropes and Pullies**
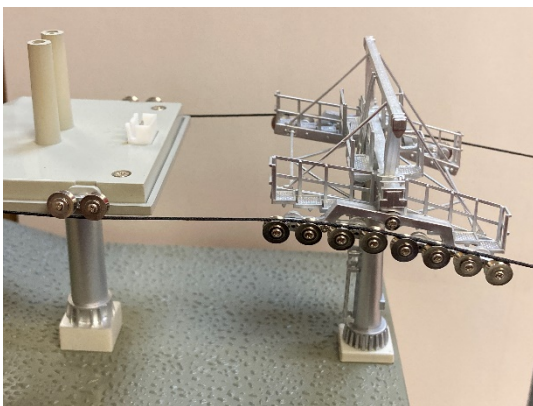
Mountain Station,

The rope placement on the pullies is based upon the rope angles, the mountain station should go over the lead pullies and under the second set of pullies the base station should have the opposite configuration, traveling under the lead pullies and over the secondary, this uses the natural tension of the ropes, based upon the angle to keep them in place.
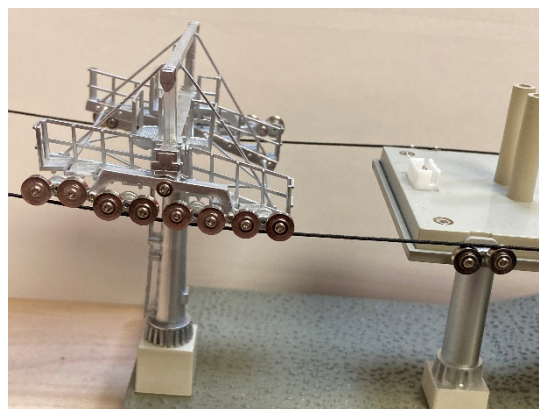
Base Station

- **Hanging the chairs or Gondolas:** for this, you need to ensure hanger has the bend facing out from the stations and wheels
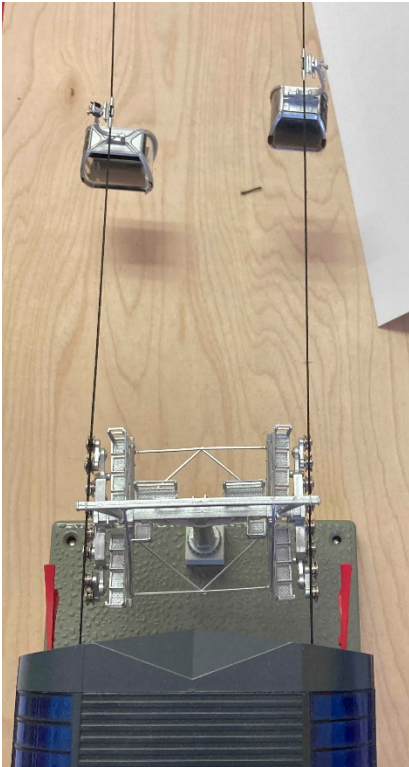
This is to allow the chair or gondola to travel over the pullies and through the bull wheel's without catching.

Then finally each is connected by sort of clipping/routing the rope under then over the center than back under, this can be preformed with a little practice with a slight twist motion.

Once clipped on the rope it should look like image below.