

ROPE-MAKING MACHINE

R35

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1. "CONE" (Snap-on plastic spinner for model airplanes)
Most hobby shops will have this type of plastic spinner, which will make the "CONE" part for the assembly.

After cutting the top off the spinner, sand on flat surface to flatten the irregularities on the base. A vise can be used to aid in holding the cone while cutting the slots with a coping saw, a jewellers saw may also work well. Taper the slots out at the tip, and most importantly try not to damage the very tip of the cone. Use an exacto knife to remove any burrs and epoxy to glue the 3x3 MM guide bar to the cone.

2. "DOWELS"

All of the dowels used have been store-bought, and are of standard sizes.

Only the main drive gear dowel has to be adapted to the gear itself. This can be done with your lathe or drill press, the other 3 gear-dowels will require a small amount of carving on one end.

3. "GEARS"

Most hobby shops will have these type of gears in their R/C cars section. They are referred to as the "Drive & Idler gears" for a model car.

4. "COPPER TUBING"

This tubing can be bought at any plumbing store, it is 3/8 in. O.D., and 5/16 in. I.D., it is driven or pressed into the 3/8 in. holes with a hammer and piece of hard wood, then reamed and filed flush with the wood surface.

5. "REDUCER"

The reducer is nothing more than a common coat-hanger. It is very important to make burr-free bends.