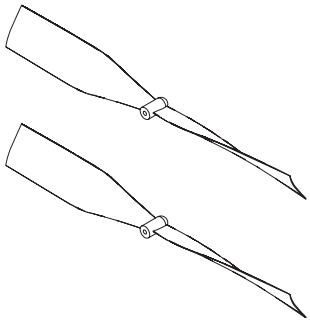
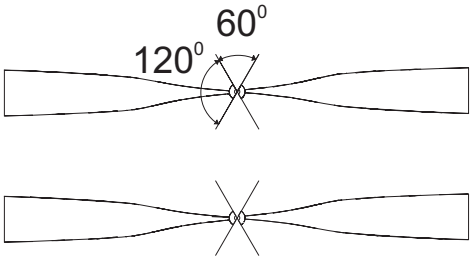
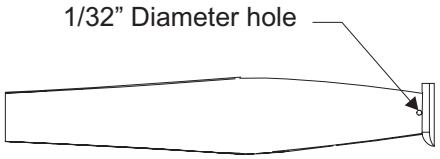
A METHOD FOR MAKING THREE BLADED PROPS FOR RUBBER POWER USING TWO BLADED PLASTIC PROPS



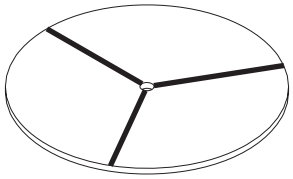
1. Select two identical props of the desired diameter. Drill the prop shaft hole in each prop to 1/16" diameter.



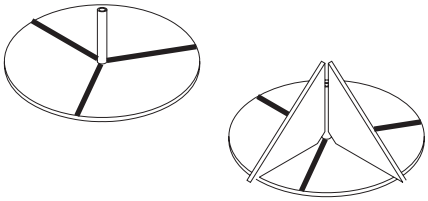
2. Using a razor saw, or other suitable cutting tool, cut each prop hub as shown. The included angle is 120 degrees or as close to that as you can eye ball. The angle can be a little off without causing a problem.



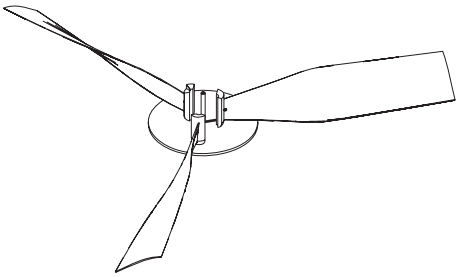
3. Set aside one blade for a future prop. Drill a 1/32" diameter hole in the middle of each remaining blade next to the hub.



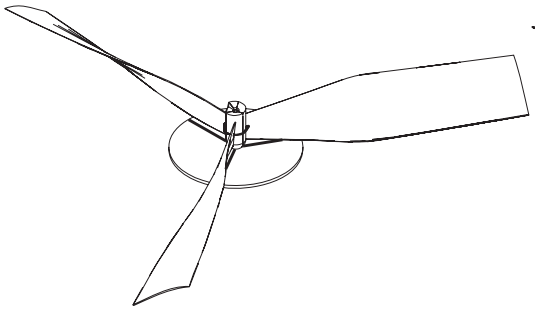
4. Make a disk from 1/32" plywood. If your prop will have a spinner make the disk the diameter of the spinner. Drill a 1/16" diameter hole in the middle. Mark the disk with three lines spaced 120 degrees apart. Be accurate here.



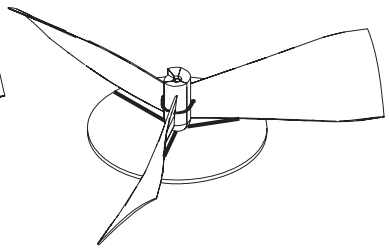
5.Glue a length of 1/16" diameter (OD) brass tubing in the center hole of the disk. Use triangles to make sure the tubing is perpicular to the plywood disk. The triangles are not glued to the assembly. Remove them when the tubing is in place.



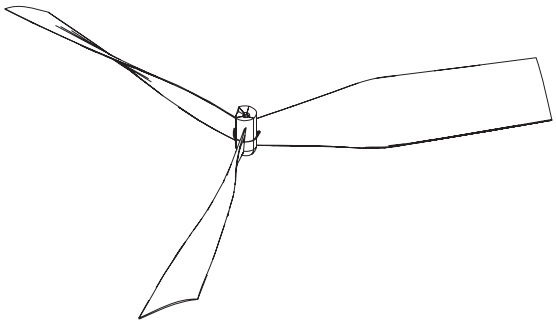
6. Glue each prop blade to the brass tubing using the lines on the disk as alignment marks. Don't worry if the hub joint is not perfect.



7. When the glue is set use a piece of thread or high strength light fishing line like Spider Wire to lash the hub joint. Pull the line through the holes in each blade near the hub and glue. Make several wraps around the hub.



8. When the glue is set on the hub lashing, the free wheel ramp on the front of the prop assembly can be cleaned up with a file or Dremel style tool.



9. This completes the basic assembly of the prop. If the prop will not have a spinner, remove the plywood disk and file the brass tubing to be flush with the prop hub.