## New racing rudder construction idea





Rudder cylinder, made using a 2" PVC-pipe as mold, filled with foam. The top square made on a simple plywood mold.

The shaft, also built on PVC pipes of different diameters and laminated together

The line pulley, made in a 3" PVC pipe with glued on flanges in laminated fiberglass

The cover with a glued-on half of an old block sheave in textile-reinforced bakelite, to take the wear of the lifting lines



The rudder shaft/house before mounted in the hull.

It was built in fiberglass/polyester and shaped using PVC pipes and fittings as mold. The shaft was laminated on the rudder cylinder with a thin plastic sheet as distance layer.

The rudder hous was laminated on a plywood mold, and the tube fitting were laminated on the actual tube that I use for the rudder lines.

The plywood "rudder" is just an early study prototype, and was built in carbon/epoxy later