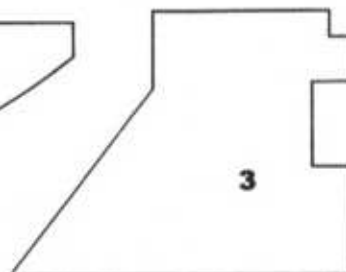
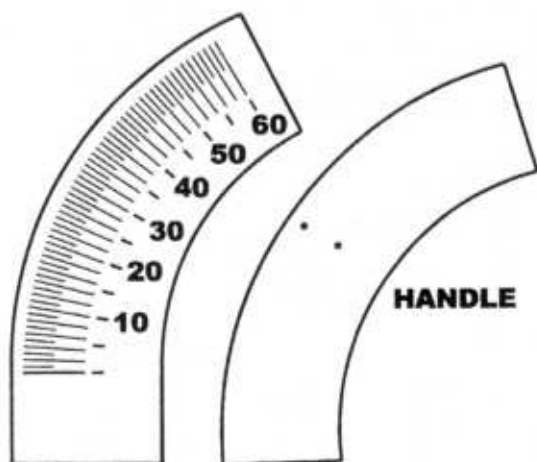


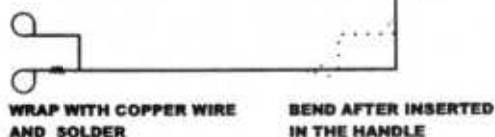
PLYWOOD 4MM



HARD WOOD 150 X 10 X 6

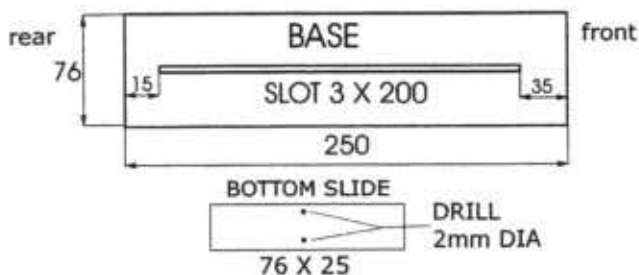


MUSIC WIRE 0.3 MM



INDICATOR

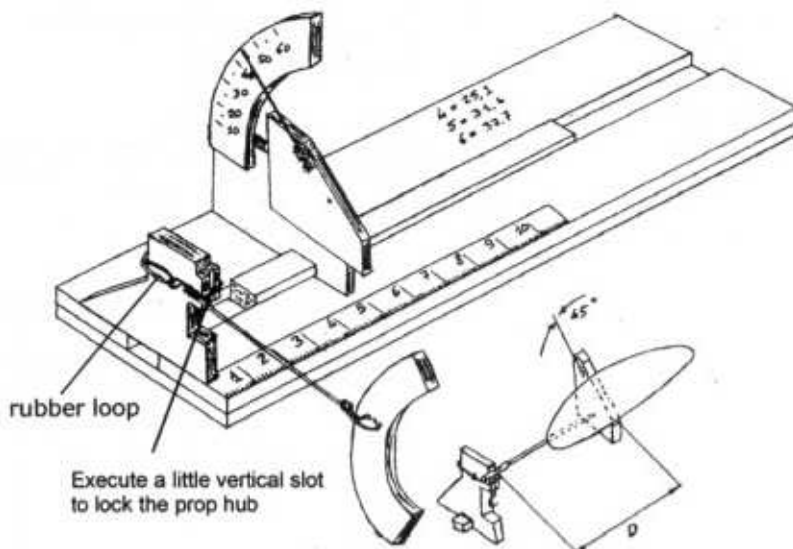
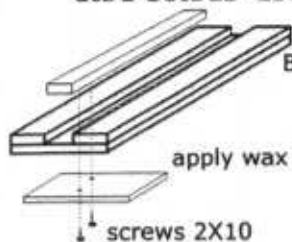
Music w. 0,6 mm  
Rough with #150 sand paper  
degrease with acetone and  
bond with 5 min epoxy.



### SLIDE ASSEMBLY

SIDE GUIDES 250 X 33 X 4

BASE 250 X 76 X 4



### ASSEMBLING

During the assembly the only critical point is the placement of the dial, bond it with a little spot of cyano verify it's correct placement with a 45° drawing square and then bond it stable.

### HOW TO USE IT

Taking advantage of a trigonometric property ( $\text{tg of } 45^\circ = 1$ ), for know the geometric pitch of a propeller blade, is suffice multiply the read distance between the hub and the point where is measured 45 degrees for 6.28

For example, reading 5 cm, the pitch will be equal to:  $P = 5 \times 6,28 = 31,4\text{cm}$

Moreover, is possible read the pitch in several points in order to verify the correct evolving pitch of the intere blade. In the other points for know the pitch multiply the tangent of the angle for the distance for 6.28. example:  $35^\circ$  at 6 cm of distance  $\text{tg of } 35^\circ = 0.7$   $P = 0.7 \times 6 \times 6.28 = 26.38 \text{ cm}$

**PROPELLER BLADES PROTRACTOR**

**SCALE 1:1**

**MEASURES IN mm**

**21/04/2001**

**FABIO MANIERI  
ROME ITALY**