

$(\frac{d}{R})$
 $d > 1mm$
 $R < 50mm$
Female mold:
 $R_{cylinder} = 30mm$
 $R_{out} = 25mm$
 $h = 30mm$
 $??$
1/ *female_mold.jpg* Longitudinal section of the female mold
Translation guide
sleeve:
 $R_{in} = 30mm$
 $R_{cylinder} = 30mm$
 $h = 5mm$
1/ *sleeve_translation.jpg* longitudinal section of the sleeve
Male mold:
 $??$
 $R_{int} < R_{out}$
 $R_{int} = 18.5mm, 20mm, 23mm$
1
1/ *male_mold.jpg* longitudinal section of the male mold
Gluing sleeve
 $R_{in} = 30mm$
 $R_{cylinder} = 30mm$
 $h = 30mm$
Mechanical press

All the mold-ing parts pre-sented are made of Alu-minum ”‘For-tal”’. The fe-male and male molds were ma-chined us-ing a CNC (com-put-er-ized nu-mer-i-cal