



$(\frac{d}{R})$   
 $d >$   
 $1mm$   
 $R <$   
 $50mm$   
 $R_{cylinder} =$   
 $30mm$   
 $R_{out} =$   
 $25mm$   
 $b =$   
 $30mm$   
 $??$   
 $1/female_{mold}.jpg$  Longitudinal section of the female mold  
 $R_{in} =$   
 $R_{cylinder} =$   
 $30mm$   
 $5mm$   
 $5mm$   
 $5$   
 $1/sleeve_{translation}.jpg$  longitudinal section of the sleeve  
 $??$   
 $R_{int} <$   
 $R_{out}$   
 $R_{int} =$   
 $18.5mm, 20mm, 23mm$   
 $1$   
 $1/male_{mold}.jpg$  longitudinal section of the male mold  
 $R_{in} =$   
 $R_{cylinder} =$   
 $30mm$   
 $5mm$   
 $50mm$   
 $??$   
 $1/rolling_{machine}.png$  Pastamaker

®

®  
 $\frac{d}{dt}$   
 $\frac{1}{A}$   
 $\frac{1}{B}$

$R_{int}$   
 $th$   
?



<sup>7</sup>  
<sup>??</sup>  
<sub>1</sub>/schematic\_experimental\_setup.png Schematic of the spring experiment  
<sup>??</sup>  
<sup>3</sup>10<sup>5</sup> Pa  
<sub>1</sub>/cuve.pdf Schematic of the pressurizable tank  
 $F_{measured} =$   
 $\approx K \Delta x$   
<sup>20</sup>%  
<sup>(R)</sup>  
<sup>?</sup>  
 $P_s \propto$   
 $(\frac{d}{R})^2$   
<sup>6.4</sup>10<sup>-3</sup>  
<sup>6.7</sup>610<sup>-2</sup>  
<sup>(C)</sup>  
<sup>??</sup>  
 $\mu$   
<sub>1</sub>/OB1.png OB1 pressure controller  
<sup>(C)</sup>  
 $\mu$   
 $f =$   
<sup>50</sup>  
<sup>(C)</sup>  
<sup>??</sup>  
<sub>1</sub>/schematic\_experimental\_setup\_light\_lenses.png Representation of the light and camera disposition

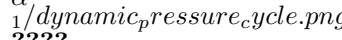
$$\begin{array}{r}
 8 \\
 77 \\
 77 \\
 \hline
 -3 \\
 -3 \\
 -6
 \end{array}$$





12

??

Qualitative representation of pressure cycles applied for the dynamic experiments

???

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$\frac{d}{R} - 1$

$\frac{d}{R} =$

$\frac{d}{R} =$

$\frac{d}{R} =$