$(\frac{d}{R})$
$d >$
$1mm$
$R <$
$50mm$
$R_{cylinder} =$
$30mm$
$R_{out} =$
$25mm$
$h =$
$30mm$
??
:
$_1/female_mold.jpgLongitudinalsectionofthefemalemold$
$R_{in} =$
$R_{cylinder} =$
$30mm$
$5mm$
$5mm$
5
$_1/sleeve_translation.jpglongitudinalsectionofthesleeve$
??
$R_{int} <$
R_{out}
$R_{int} =$
$18.5mm, 20mm, 23mm$
1
$_1/male_mold.jpglongitudinalsectionofthemalemold$
$R_{in} =$
$R_{cylinder} =$
$30mm$
$5mm$
$50mm$
??
$_1/rolling_machine.pngPastamaker$

®

®
$\frac{d}{R}$
A
B

R_{int}
th
?

7
??
1/schematic_experimental_setup.pngSchematicsofthespringexperiment
??
310^5 Pa
1/cuve.pdfSchematicsofthepressurizeabletank
F_measured =
K Δx
≈
20%
®
?
P_ς ∝
(d/R)^2
6.410^−3
6.7610^−2
?
©
??
μ
1/OB1.pngOB1pressurecontroller
©
μ
f =
50
©
??
1/schematic_experimental_setup_light_lenses.pngRepresentationofthelightandcameradispositon

8
??
??
−3
−3
−6

12
??
α?
1/$dynamic_pressure_cycle.pngQualitativerepresentationofpressurecyclesappliedforthedynamicexperiments$
????
??
?
$\frac{d}{R}$
$^{-1}$
$\frac{d}{R} =$
$\frac{d}{R} =$
$\frac{d}{R} =$