Proof of concept Spring launching
M bills = 0,00 leg Vounch = Vsunch = Vsunch = 4,43 m/s Springs = 0,070 m Strand-bills = 1 m
$\frac{1}{2} \cdot m_{\text{hin. weight}} \cdot V_{\text{laweh}}^2 + m_{\text{bills}} = 5_{\text{true-bills}} \cdot 3.01 = n_{\text{springs}} \cdot \frac{1}{2} \cdot k \cdot 5_{\text{spring}}$
$k \cdot 0.0051 = 3.73$ $k = 410$ $k = 410$ $k = 410$
F total = h. springs · h. modes 5-springs = 96 N
We will be doing all the strength extendsong with 100 N and Will take a certain factor For friction and other effects in account.
Vgest = Springs + 190151 = 0,0135 m
Piched 2 gest that is 0,03 m (da) M = 100 r = 1,5 Nm
100 N