$$L=4.98-0.033=4.947 mm$$

$$Area= L^{2}=24.472 mm^{2}$$

$$σ=\frac{F\_{R}}{A}=\frac{64.658 N}{24.472 mm^{2}}=2.642 MPa$$

$$ε=\frac{δ}{L}=\frac{0.5}{4.947}=0.10107$$

$$σ=εE, E=26.14 MPa$$