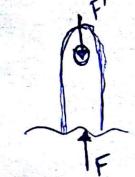
(2)
$$A_{AB} = (0.05)(0.006) = 3 \times 10^{-4} \text{ m}^2$$

Fursa compreh m

$$0 = \frac{F}{A} - F = 0^{4} = (-140 \times 10^{6})(3 \times 10^{-4}) = -42 \text{ kN}$$

L 42 KN @

Cortante Simple



$$T = \frac{F}{A} \longrightarrow A = \frac{\pi}{4} d^2$$

$$d = \sqrt{\frac{AF}{TIF}}$$

$$d = \sqrt{\frac{4(42 \times 10^3)}{\pi(80 \times 10^6)}}$$

$$d = \sqrt{\frac{4(42 \times 10^3)}{\pi(80 \times 10^6)}} = 0.0258 \text{ m} \approx 25.8 \text{ mm}$$

$$Q_{AP} = \frac{F}{td}$$
, donde
$$\begin{cases} F = 42 \text{ kN} \\ t = 6 \text{ mm} \end{cases}$$