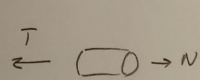


1.1 Lösung

1.1



$$d = 15 \text{ mm} \Rightarrow A = \frac{\pi d^2}{4} = \frac{\pi \cdot 0,015^2}{4}$$

$$T = N \quad \sigma = \frac{N}{A} = \frac{17500}{\frac{\pi d^2}{4}} = \frac{17500 \cdot 4}{\pi \cdot 0,015^2} = 9,903 \cdot 10^7 \text{ N/m}^2$$

$\approx 99 \text{ MPa}$