

[Remarks:](#) See §5.6, example 1, pages 378 till 381

[Answers:](#)

a.  $\sigma = 64 \text{ MPa}$

b.  $\sigma = 48 \text{ MPa}$

[Explanation:](#)

The punch force is:  $F_{\text{punch}} = \pi d \cdot t \cdot \bar{\tau}$

The punch pressure is determined from:  $\sigma = \frac{F_{\text{stempel}}}{\frac{1}{4} \pi d^2}$