Answers – VOLUME 2: STRESSES, STRAINS, DISPLACEMENTS

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: $F_{\text{punch}} = \pi d \cdot t \cdot \overline{\tau}$

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

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