

[Remarks:](#) See §6.1, pages 412 till 415

[Answer:](#)

4 mm

[Explanation:](#)

$$\tau = \frac{500 \text{ N}}{(25 \text{ mm})(200 \text{ mm})} = 0,1 \text{ N/mm}^2$$

$$\gamma = \frac{\tau}{G} = \frac{0,1 \text{ N/mm}^2}{3 \text{ N/mm}^2} = 0,033$$

The displacement of the upper strip with respect to the lower strip:

$$\gamma h = 0,033 \times (120 \text{ mm}) = 4 \text{ mm}$$