

[Remarks:](#) See §4.9, pages. 203 till 208

[Answers:](#)

$$k_b = 9,44 \text{ mm}$$

[Explanation:](#)

$$k_b = \frac{W_t}{A} = \frac{I/e_t}{A} \text{ and } k_t = \frac{W_b}{A} = \frac{I/e_b}{A}$$

$$\frac{k_b}{k_t} = \frac{e_b}{e_t} = \frac{25}{15}$$

$$k_b = \frac{25}{15} \times \frac{17}{3} \text{ mm} = \frac{85}{9} \text{ mm}$$