

[Remarks:](#) See §6.3, pages 426 till 445

[Answer:](#)

$$M_t = 199,5 \text{ kNm}$$

[Explanation:](#)

$$M_t = \frac{\tau I_t}{R} \quad \text{and} \quad I_t = 418,96 \times 10^6 \text{ mm}^4$$

Alternatively, using Bredt's formula:

$$M_t = \tau \cdot (2A_m t) \quad \text{where} \quad A_m = 138,54 \times 10^3 \text{ mm}^2$$