

[Remarks:](#) See §3.2.2, pages 98 till 100

[Answers:](#)

$$I_{zz} = 20 \times 10^6 \text{ mm}^4$$

[Explanation:](#)

The centroid of both profiles is located at half of their height.

$$I_{zz} = 2 \left\{ 4 \times 10^6 \text{ mm}^4 + (2400 \text{ mm}^2)(50 \text{ mm})^2 \right\} = 20 \times 10^6 \text{ mm}^4$$