

[Opmerkingen:](#) Zie §3.2.3 blz. 90 t/m 91

[Antwoord:](#)

$$I_p = 2,96 \times 10^6 \text{ mm}^4$$

[Toelichting:](#)

Maten in mm:

$$I_{yy} = \left\{ \frac{1}{12} \times 80 \times 60^3 \right\} - \left\{ \frac{1}{12} \times 60 \times 40^3 \right\} = 1,12 \times 10^6 \text{ mm}^4$$

$$I_{zz} = \left\{ \frac{1}{12} \times 60 \times 80^3 \right\} - \left\{ \frac{1}{12} \times 40 \times 60^3 \right\} = 1,84 \times 10^6 \text{ mm}^4$$

$$I_p = I_{yy} + I_{zz} = 2,96 \times 10^6 \text{ mm}^4$$