

Fig. Q5: I-section symmetric about horizontal and vertical axis

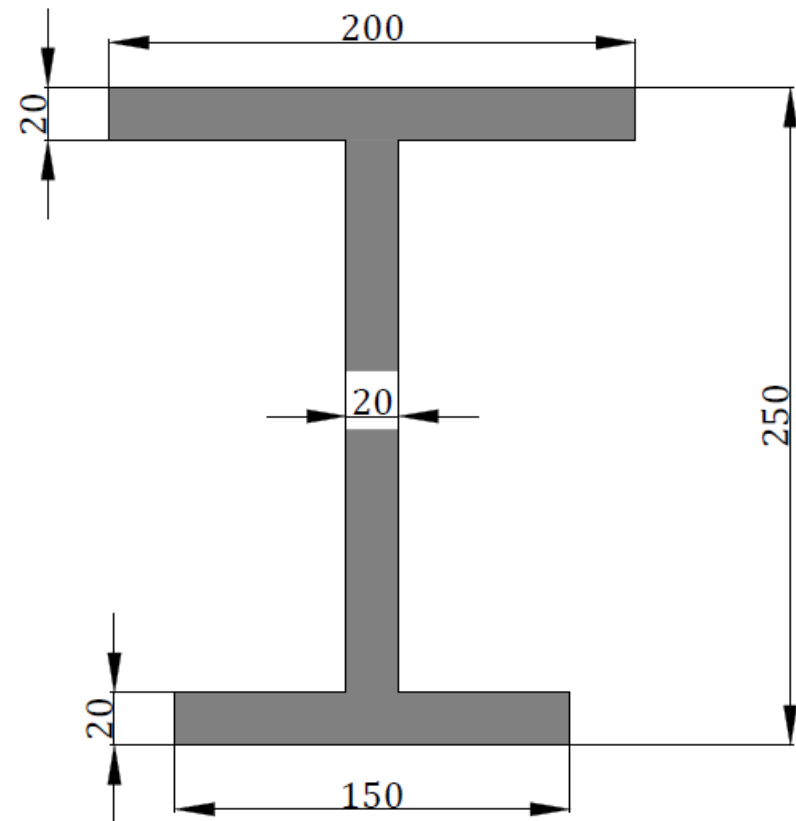


Fig. Q6: I-section symmetric about only the vertical axis

- Locate the centroid for the I-sections in Fig. Q5 and Q6 by choosing an appropriate reference axes system
- Compare the two I-sections and comment on their symmetry
- For the I-section in Fig. Q5, do you really need to do any math to locate the centroid, or is it possible to directly locate it based on common sense? (Hint: Use the rule of symmetry discussed before)