Chapter 3, Statics of a Rigid Body

Remarks: See §3.2, page 71 till 80

Hints:

Out of the moment equilibrium about the middle of the diagonal side you can find $F_{//AC}$. With the help of a force polygon you can find the other two forces

Answers:

$$F_{//AC} = 9 \text{ kN } (\leftarrow)$$

$$F_{//AB} = 9.6 \text{ kN} (\checkmark)$$

$$F_{\perp AB} = 7.2 \text{ kN} (\searrow)$$

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