DTU. Betonkonstruktioner

Valg $\cot\theta = 1{,}75 \Rightarrow$

$$V_{Rd,w} = \frac{30{,}2}{2{,}5} \cdot 1{,}75 = 21{,}1\,kN = \left(\frac{A_{sw}}{s} \cdot z \cdot f_{yd} \cdot \cot\theta\right)$$

$$V_{Rd,c} = \frac{23{,}8}{\left(\frac{2{,}5}{1+2{,}5^2}\right)} \cdot \left(\frac{1{,}75}{1+1{,}75^2}\right) = 29{,}1\,kN$$

$$\underline{V_{Rd,s}} = 16{,}1 \cdot 2{,}5 / 1{,}75 = 23{,}0\,kN$$

$\Rightarrow$

$$V_{Rd} = 21{,}1\,kN.$$