

Section View

? Limitation
on Edge
Distance?

$P^* = 17 \text{ kN}$

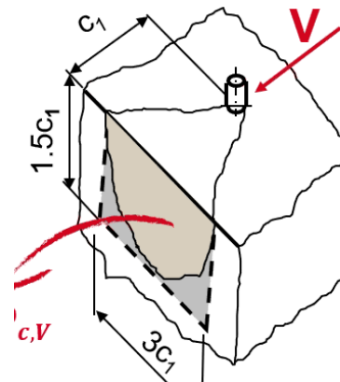
Plan View

90 is too small
to fix anchors?

Note: Minimum Concrete $f'_c = 20\text{MPa}$?

Does this theory below applicable to all edge distance? How about limitation on the embedment depth?

$$V_{Rk,c} = V_{Rk,c}^0 \left(\frac{A_{c,V}}{A_{c,V}^0} \right) \psi_{s,V} \psi_{h,V} \psi_{ec,V} \psi_{\alpha,V} \psi_{re,V}$$



$$V^0_{Rk,c} = k_9 d_{nom}^\alpha l_f^\beta \sqrt{f'_c} c_1^{1.5}$$

k_9 = factor for characteristic shear strength (single anchor)

= 1.7 (cracked concrete)

= 2.4 (uncracked concrete)