Example one pile, d = 600 mm

$q_c = 5$ kPa (Sand)

$E_p = 0{,}7 \times 5000 = 3500$

$R = \frac{600}{2} = 300$

$R_o = 0{,}3$

$\beta = 0{,}7$ (sand tabel 2-1)

pile d = 600 mm.

$$\frac{1}{k_h} = \frac{1}{3E_p} \prod 1{,}3 R_o \left(2{,}65 \frac{R}{R_o}\right)^{\alpha} + \alpha R$$

↳ $k_h = 15636$ kN/m³

$k_{h\,pile} = 0{,}6 \times 1 \times 15636 = 9382$ kN/m² ≙ kPa.

for k_y and k_x take: 9000 kpa

q_c = according to soil report..

DvD.