



$$Z_{T_1} = 0,325 - \frac{4}{\pi} \frac{0,325}{\pi} = 0,187 \text{ m} \quad A_{T_1} = \frac{\pi \cdot 1,3 \cdot 0,325}{4} = 0,332 \text{ m}^2$$

$$Z_{T_2} = 0,325 + \frac{2a}{2} = 0,325 + 0,65 = 0,975 \text{ m} \quad A_{T_2} = 2a \cdot 2a = (1,5)^2 = 2,25 \text{ m}^2$$

$$P_r = \rho \cdot A_{T_1} = G_s \cdot g (R_r - Z_{T_1}) \cdot A_{T_1} = 1000 \cdot 9,81 \cdot (1,625 - 0,187) \cdot 0,332 = 4,683 \text{ kN}$$

$$P_{T_1} = \rho \cdot A_{T_1} = G_s \cdot g (R_r - Z_{T_1}) \cdot A_{T_1} = 1000 \cdot 9,81 \cdot (1,625 - 0,975) \cdot 0,332 = 10,726 \text{ kN}$$

$$P_r + P_{T_1} + P_{T_2} = 15,459 \text{ kN}$$

$$C_r = \frac{S \cdot g \cdot I_{T_2}}{P_r}$$

✓

$$I_{T_2} = \frac{\pi \cdot 6 \cdot L^3}{72 \cdot 8} = \frac{\pi \cdot 1,3 \cdot (0,325)^3}{72 \cdot 8} = 0,001 \text{ m}^4$$

$$I_{T_2} = \frac{\pi l^4}{64} = \frac{(0,3)^4}{64} = 0,001 \text{ m}^4$$

$$C_{T_1} = \frac{1000 \cdot 9,81 \cdot 0,001}{4,683 \cdot 10^3} = -0,002 \text{ m}$$

$$\Sigma_{K_T} = \frac{P_r \cdot Z_{T_1} + P_{T_1} \cdot Z_{T_1}}{P_r + P_{T_1}}$$

$$C_{T_2} = \frac{1000 \cdot 9,81 \cdot 0,726}{10,726 \cdot 10^3} = -0,217 \text{ m}$$

$$\Sigma_{T_1} = \frac{4,683 \cdot 10^3 \cdot 0,187 + 10,726 \cdot 10^3 \cdot 0,726}{15,459 \cdot 10^3}$$

$$\Sigma_{K_T} = Z_{T_1} - |C_{T_1}| = 0,187 - 0,002 = 0,185 \text{ m}$$

$$\Sigma_T = 0,584 \text{ m}$$

$$\Sigma_{T_2} = Z_{T_2} - |C_{T_2}| = 0,975 - 0,217 = 0,758 \text{ m}$$