

$$M_B = -16600 \text{ Kgm}$$

$$r = 50 \text{ cm}$$

$$h = 60 \text{ cm}$$

$$k = 0,937 \quad ; \quad \omega = 0,450 \quad ; \quad A = 13,50 \text{ cm}^2$$

$$\text{Toegepast } 2\phi 14 + 4\phi 18 \quad ; \quad A = 13,35 \text{ cm}^2$$

Schijne trekkracht t.p.v. A

$$\sigma_A = \frac{22000}{60 \times 50 \times 0,937} = 7,82 \text{ kg/cm}^2$$

$$M = -16600 \text{ Kgm}$$

$$k_z = 0,937$$

$$T_z = 60 \times 50 \times 7 \times 0,937 = 19700 \text{ kg}$$

$$y_A = \frac{22000 - 19700}{9690} = 0,24 \text{ m}$$

$$A_o = \frac{(7,82 + 7,00) \times 50 \times 24}{2 \times 2200 \times \sqrt{2}} = 2,73 \text{ cm}^2$$

practische opbuigen!

