

Schijne trekkracht t.p.v. B<sub>L</sub>

$$T_{B_L} = 29230 \text{ kg} ; K_z = 0,857$$

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

$$b = 70 \text{ cm}$$

$$\sigma_A = \frac{29230}{60 \times 70 \times 0,857} = 8,13 \text{ kg/cm}^2 > 7 \text{ kg/cm}^2$$

$$T_z = 60 \times 70 \times 0,857 \times 7 = 25200 \text{ kg}$$

$$y_A = \frac{29230 - 25200}{5480} = 0,74 \text{ m}$$

$$A_o = \frac{(8,13 + 7,0) \times 70 \times 74}{2 \times 2200 \times \sqrt{2}} = 12,60 \text{ cm}^2$$

opbuigen 5  $\Phi$  18 ; A = 12,70 cm<sup>2</sup>

Schijne trekkracht t.p.v. B<sub>R</sub>

$$T_{B_R} = 37778 \text{ kg} ; K_z = 0,857$$

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

$$b = 70 \text{ cm}$$

$$\sigma_A = \frac{37778}{60 \times 70 \times 0,857} = 10,50 \text{ kg/cm}^2 > 7 \text{ kg/cm}^2$$

$$y_A = 1,24 \text{ m (overstek)}$$

$$A_o = \frac{(10,50 + 10,50) \times 70 \times 124}{2 \times 2200 \times \sqrt{2}} = 14,50 \text{ cm}^2$$

opbuigen 6  $\Phi$  18 A = 15,24 cm<sup>2</sup>