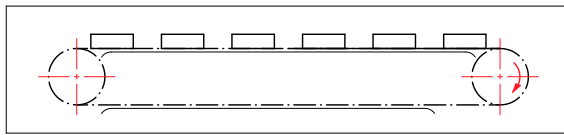


Trekkracht in transportketting(en)

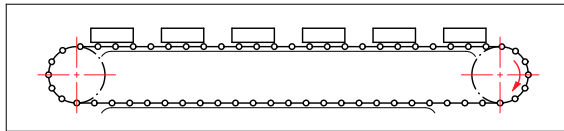
Horizontaal



Ketting glijdende wrijving

Ketting glijdende wrijving

$$F_F = 9,8 \cdot A_1 \cdot (2 q_F + Q) \cdot \mu \quad [\text{N}]$$

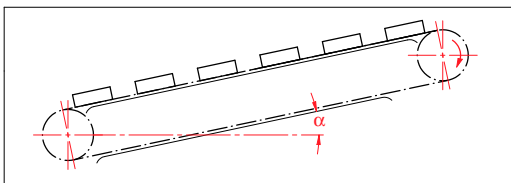


Ketting rollende wrijving

Ketting rollende wrijving

$$F_F = 9,8 \cdot A_1 \cdot (2 q_F + Q) \cdot \mu \quad [\text{N}]$$

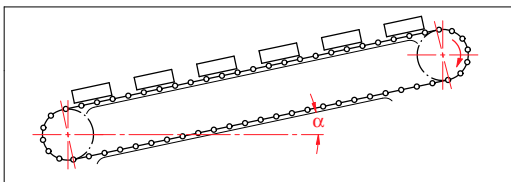
Onder een hoek



Ketting glijdende wrijving

Ketting glijdende wrijving

$$F_F = 9,8 \cdot A_1 \cdot [\cos \alpha \cdot (2 q_F + Q) \cdot \mu + \sin \alpha \cdot Q] \quad [\text{N}]$$

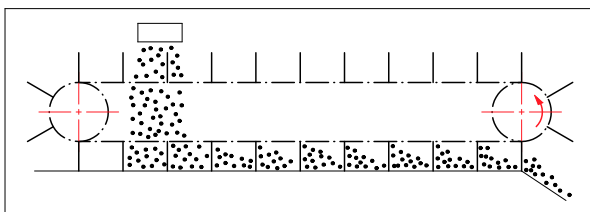


Ketting rollende wrijving

Ketting rollende wrijving

$$F_F = 9,8 \cdot A_1 \cdot [\cos \alpha \cdot (2 q_F + Q) \cdot \mu + \sin \alpha \cdot Q] \quad [\text{N}]$$

Bij schrapertransporteurs



$$F_F = 9,8 \cdot A_1 \cdot \left(\frac{Q_L}{3,6 \cdot v} \cdot C + 2 q_F \cdot \mu \right) \quad [\text{N}]$$

$$Q_L = 3600 \cdot H_F \cdot B_F \cdot v \cdot \beta_1 \cdot \gamma_F \quad [\text{t/h}]$$

$$(\beta_1 = \pm 0,5-0,6)$$

$$(H_F \sim 0,3 B_F)$$