

SPRICKVIDD LÅNGTIDSLAST BBK 04

$$A = 89 \quad \frac{h-x}{3} = 42.1$$

$$B := \left(A \frac{h-x}{3} \right) \quad \text{def} := \begin{cases} \min(B) & \text{if info2} = 2 \\ A & \text{if info2} = 1 \end{cases} \quad \text{def} = 42.1 \quad \text{mm}$$

Armeringsinnehåll $\chi_2 := 0.25 - \frac{\text{def}}{8 \cdot (h-x)} \quad \chi_2 = 0.208$

Sprickavstånd $\rho_r := \frac{A_s}{b(h) \cdot \text{def}} \quad \rho_r = 0.0144$

$$S_{rm} := 50 + \chi_1 \cdot \chi_2 \cdot \frac{\phi_s}{\rho_r} \quad S_{rm} = 154.2 \quad \text{mm}$$

$$S_{rm} := \text{if}(\text{InfoNÄT} = 1, \text{if}(s \leq S_{rm}, s, S_{rm}), S_{rm}) \quad S_{rm} = 154.2 \quad \text{mm}$$

$$v := 1 - \left(\frac{0.5}{2.5 \cdot \chi_1} \right) \cdot \frac{M_{cr}}{M} \quad v := \text{if}(v > 1.0, 1.0, v) \quad Q := (v \cdot 0.4) \quad v := \max(Q) \quad v = 0.88$$

$M_{cr} = 8.7 \quad M = 18.00$

$\chi_1 = 0.8 \quad M_{cr} = 8.7$

$f_{c,bt} = 1.7 \quad M = 18$

$$\sigma_{sl} := \sigma_s(x) \cdot \frac{\left(h - x - t_s - \frac{\phi_s}{2} \right)}{d - x} \quad \sigma_{sl} = 267.8$$

Sprickvidd $w_k := 1.7 \cdot v \cdot \left(\frac{\sigma_{sl}}{E_{sk}} + 0 \cdot \epsilon_{cs} \right) \cdot S_{rm} \quad w_k = 0.309$

$w_{kl} := w_k \quad w_{kl} := \text{if}(\sigma_{cluk} \geq 0, w_k, 0) \quad w_{kl} = 0.309 \quad \text{mm}$