

2. 1È M& j Ö

Ä 10 C30E $f_{cuE,k}=30\text{N/mm}^2$;

Ä 28K1Kv-\$ 20mmEM0 A₀=245mm²;

Ä 300\$ 20mmM0 A1=314mm²;

$$8.84 \times 10^3 \text{ N} \quad f_{yk} = 640 \text{ N/mm}^2;$$

HRB400 $f_{yk}=400\text{N/mm}^2$ $f_y=360\text{N/mm}^2$

1. $\mathbb{Q}(\sqrt{2})/\mathbb{Q}$

$$N_1 = A_1 \times f_y = 0.001 \times 314 \times 360 = 109.4 \text{ kN}$$
$$2\tilde{A} \leq N_{s,d} \leq N_d \leq N_d A_{sfy}/K_s$$

} Ö N_{s,d} KJ ÄÄÄÄ kNÅ×

$$N_d \quad K \sqrt{\frac{A}{\pi}} \quad \tilde{A} \quad k N \tilde{A} \times$$
$$f_{\text{sk}} \quad \text{Kiv}^{\text{Ä}} \quad \text{kPv}^{\text{E}} \quad f_{\text{sk}} = f_{\text{yk}} \times$$
A_s KJv9XMM0Ä xmA
$$K_s = K_{\text{Jv}} \left(1 + \frac{1}{\text{Jv}} \right) \quad (1.3)$$
$$8K1K_{\text{Jv}}\tilde{A}\tilde{A}\tilde{N} \quad N_{\text{d}} \quad A_{\text{sf}}f_{\text{sk}}/K_{\text{s}}$$

2. 2E M& j Ö

Ä 1P C30E $f_{cu,k}=30\text{N/mm}^2$;

Ä 2A+8K1KJ-\$ 20mmEM0 $A_0=245\text{mm}^2$;

Ä 3A+8K1KJEX $8.84 \times 3P$ $f_{yk}=640\text{N/mm}^2$;

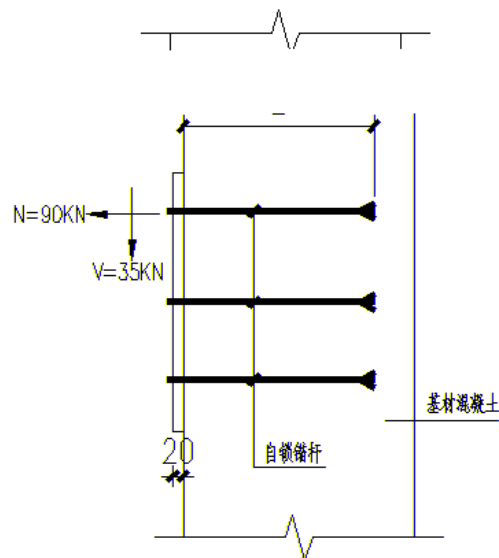
Ä 4AN&VP%CEB8KJ

$v;0\ddot{V}$ $N=90\text{KN}$ $V=35\text{KN}$

Ä 5KV-Ö K#fDEjD $f_{mck}=2.85\text{MPa} \times K\ddot{A}$

#f KV f ,2EjD $f_{msk}=6.0\text{MPa}$ Ä

Ä 6K1\$ D=25mm,MS $D_+=38\text{mm}$ Ä



. 2 N& KV E /P Ä $\approx 63<$ E Ä E 40 Ä Ä

1Ä KVÖ+Ö

KVÖBZ\$ 20EX $8.84 \times 8K1$

KVÄ $N_d=120\text{KN}$ $N_{vd}=48.3\text{KN}$ Ä

2Ä KVKNÇ Ö

63a6YÖde

$$H \sqrt[3]{\frac{(c N_d)^2}{9.8^2 f_{cu,k}}}$$

PO H BV,KÖ

N_d KVA

Å kNÅ×

Ψ_c 0.01+È

2×

$f_{cuÈ\text{ k}}$ 0.01

kPÈÅ $f_{cuÈ\text{ k}} > 45\text{N/mm}^2$ Å

Å+

