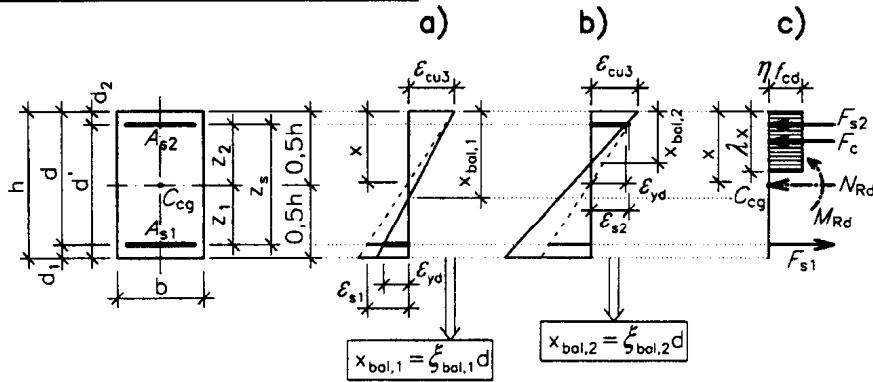
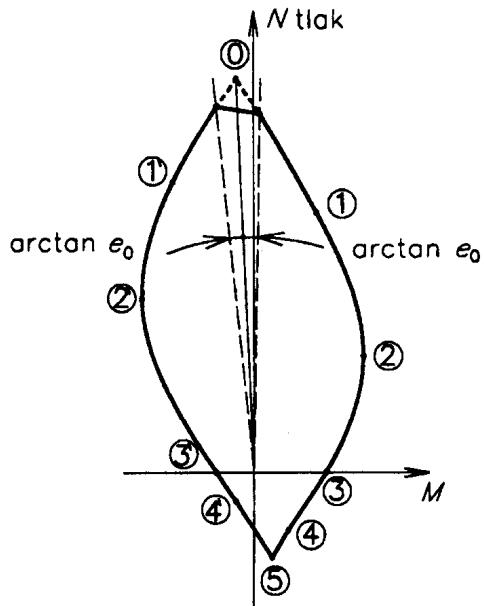


## INTERAKČNÍ DIAGRAM OBDÉLNÍKOVÉHO PRŮŘEZU MIMOSTŘEDNĚ NAMÁHANÉHO



Tlak  $N < 0$ ; tah  $N > 0$ .



$$e_0 = h / 30 > 20 \text{ mm}$$

$$\xi_{\text{bal},1} = \frac{700}{700 + f_{\text{yd}}}$$

$$F_{sl} = A_{sl} f_{yd}$$

$$F_{s2} = A_{s2} f_{yd}$$

$$\Delta F_s = (A_{s2} - A_{s1})f_{vd}$$

0

$$N_{Rd0} = - (b \ h \ \eta f_{cd} + \Sigma A_s \sigma_s)$$

$$M_{Rd0} = (A_{s2}z_2 - A_{s1}z_1)\sigma_s$$

$$\sigma_s = \epsilon_{c2} E_s \leq f_{yd}$$

1

$$N_{Rd1} = -(\lambda b d \eta f_{cd} + F_{s2})$$

$$M_{Rd1} = \lambda b d \eta f_{cd} 0,5(h$$

2

$$N_{\text{Rd,bal}} = -(\lambda \xi_{\text{bal},1} b d \eta f_{cd} + \Delta F_s)$$

$$M_{\text{Rd,bal}} = \lambda \xi_{\text{bal},1} b d \eta$$

$$\xi_{\text{bal},1} d \geq$$

**3**  
 $N_{Rd} = 0$   
 $M_{Rd} = \text{mez únosnosti při namáhání ohybem, - výzvuz tažená } A_{s1}, \text{ tlačená } A_{s2} - \text{ viz kap. 4}$

4

$$N_{p,k+1} = F_{k+1}$$

$$M_{\text{Rdt,bal}} = F_{s1} z_1$$

5

$$N_{B,dt0} \equiv E_{s1} + E_{s2}$$

$$M_{Rdt0} = F_{s1}z_1 - F_{s2}z_2$$

