

— pre jednostrížné spoje:

$$F_{v,Rk} = \min \left\{ \begin{array}{l} f_{h,1,k} t_1 d \quad (a) \\ f_{h,2,k} t_2 d \quad (b) \\ \frac{f_{h,1,k} t_1 d}{1+\beta} \left[\sqrt{\beta + 2\beta^2 \left[1 + \frac{t_2}{t_1} + \left(\frac{t_2}{t_1} \right)^2 \right] + \beta^3 \left(\frac{t_2}{t_1} \right)^2} - \beta \left(1 + \frac{t_2}{t_1} \right) \right] + \frac{F_{ax,Rk}}{4} \quad (c) \\ 1,05 \frac{f_{h,1,k} t_1 d}{2+\beta} \left[\sqrt{2\beta(1+\beta) + \frac{4\beta(2+\beta)M_{y,Rk}}{f_{h,1,k} d t_1^2}} - \beta \right] + \frac{F_{ax,Rk}}{4} \quad (d) \\ 1,05 \frac{f_{h,1,k} t_2 d}{1+2\beta} \left[\sqrt{2\beta^2(1+\beta) + \frac{4\beta(1+2\beta)M_{y,Rk}}{f_{h,1,k} d t_2^2}} - \beta \right] + \frac{F_{ax,Rk}}{4} \quad (e) \\ 1,15 \sqrt{\frac{2\beta}{1+\beta}} \sqrt{2M_{y,Rk} f_{h,1,k} d} + \frac{F_{ax,Rk}}{4} \quad (f) \end{array} \right.$$

— pre dvojstrížné spoje:

$$F_{v,Rk} = \min \left\{ \begin{array}{l} f_{h,1,k} t_1 d \quad (g) \\ 0,5 f_{h,2,k} t_2 d \quad (h) \\ 1,05 \frac{f_{h,1,k} t_1 d}{2+\beta} \left[\sqrt{2\beta(1+\beta) + \frac{4\beta(2+\beta)M_{y,Rk}}{f_{h,1,k} d t_1^2}} - \beta \right] + \frac{F_{ax,Rk}}{4} \quad (j) \\ 1,15 \sqrt{\frac{2\beta}{1+\beta}} \sqrt{2M_{y,Rk} f_{h,1,k} d} + \frac{F_{ax,Rk}}{4} \quad (k) \end{array} \right.$$

kde je:

$$\beta = \frac{f_{h,2,k}}{f_{h,1,k}}$$

Tab. 8.2 — Najmenšie vzdialenosti klincov

Vzdialenosti (pozri Obr. 8.7)	Uhol α	Najmenšie vzdialenosti		
		bez predvrtania		s predvrtaním
		$\rho_k \leq 420 \text{ kg/m}^3$	$420 \text{ kg/m}^3 < \rho_k \leq 500 \text{ kg/m}^3$	
Rozstup a_1 (v smere vláken)	$0^\circ \leq \alpha \leq 360^\circ$	$d < 5 \text{ mm}$: $(5+5 \text{ lcos } \alpha) d$ $d \geq 5 \text{ mm}$: $(5+7 \text{ lcos } \alpha) d$	$(7+8 \text{ lcos } \alpha) d$	$(4+ \text{lcos } \alpha) d$
Rozstup a_2 (kolmo k smeru vláken)	$0^\circ \leq \alpha \leq 360^\circ$	$5 d$	$7 d$	$(3+ \text{l sin } \alpha) d$
Odstup $a_{3,t}$ (namáhaný koniec dreva)	$-90^\circ \leq \alpha \leq 90^\circ$	$(10+5 \text{ cos } \alpha) d$	$(15+5 \text{ cos } \alpha) d$	$(7+5 \text{ cos } \alpha) d$
Odstup $a_{3,c}$ (nenamáhaný koniec dreva)	$90^\circ \leq \alpha \leq 270^\circ$	$10 d$	$15 d$	$7 d$
Odstup $a_{4,t}$ (namáhaný okraj)	$0^\circ \leq \alpha \leq 180^\circ$	$d < 5 \text{ mm}$: $(5+2 \text{ sin } \alpha) d$ $d \geq 5 \text{ mm}$: $(5+5 \text{ sin } \alpha) d$	$d < 5 \text{ mm}$: $(7+2 \text{ sin } \alpha) d$ $d \geq 5 \text{ mm}$: $(7+5 \text{ sin } \alpha) d$	$d < 5 \text{ mm}$: $(3+2 \text{ sin } \alpha) d$ $d \geq 5 \text{ mm}$: $(3+4 \text{ sin } \alpha) d$
Odstup $a_{4,c}$ (nenamáhaný okraj)	$180^\circ \leq \alpha \leq 360^\circ$	$5d$	$7d$	$3d$

