

## POS. 175: DIN E12.7 TAB 12/30

### general statements

results acc. to DIN EN 1995:2010, Deutschland,  $\gamma_1 = 1.30$ ,  $\gamma_2 = 1.30$   
single shear plane connection, exact verification acc. to DIN EN 1995, 8.2.2  
 $F_{v,Rd}$  calculated with  $\gamma$  - exact verification acc. to DIN EN 1995, 8.2.2  
duration of load: medium-term

### outer timber member 1

service class 1, particleboard type P6,  $\rho_k = 600 \text{ kg/m}^3$ ,  $k_{mod} = 0.70$ , t variable

### outer timber member 2

service class 1, solid coniferous timber, C24 (S10),  $\rho_k = 350 \text{ kg/m}^3$ , t = 200.0 mm,  $k_{mod} = 0.80$   
angle force-gr.dir.  $\alpha = 0.0^\circ$ , staple-crown-gr.dir.  $\beta = 90.0^\circ \geq 30^\circ \Rightarrow$  no. red. acc. to 8.4(5)

### fastener

staple, resined, l x d variable  
 $f_{uk} = 800 \text{ N/mm}^2$

### $F_{v,Rd}$ [N]

t/Ø, l mm/mm	1.53	1.60	1.83	2.00
	80	80	80	80
8	322	336	384	424
10	373	388	435	473
12	374	401	492	529
15	375	402	498	574

all values per staple