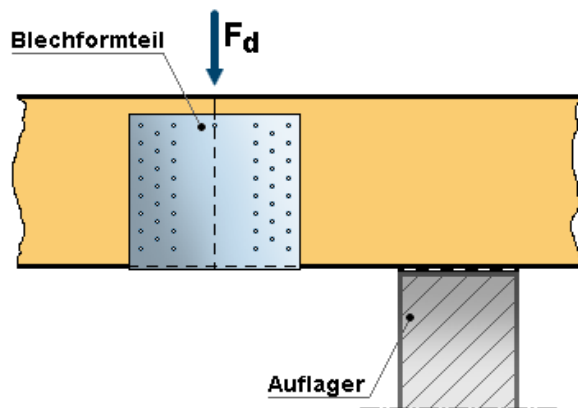


Position: 1

Gerber-Gelenk nach DIN 1052 (2008)

Systemwerte :



Prinzipskizze

Balken: $b / h = 16,0 / 24,0$ cm

Nadelholz C24

$E_{0,mean} = 11000,000$ N/mm²

$f_{m,k} = 24,00$ N/mm²

$f_{v,k} = 2,00$ N/mm²

$f_{c,90,k} = 2,50$ N/mm²

$f_{t,90,k} = 0,40$ N/mm²

$k_{,mod} = 0,80$ [-]

$\gamma_M = 1,300$ [-]

Blechverbinder = SIMPSON / Strong-Tie© - Gerberverbinder Typ GERW 120-B

Teilausnagelung mit CNA 4,0x50

zul. $F_{,k} = 12,400$ kN

$F_d = 5,000$ kN

Nachweise:

Gelenkkraft: zul. $V_d = 7,631$ kN > vorh. $V_d = 5,000$ kN