$$egin{aligned} k_t &\coloneqq \operatorname{interp}\left(y_S, x, y, rac{d_t}{A_1}
ight) = 2.647 \ s_1 &\coloneqq 40 \ \emph{mm} \ s_2 &\coloneqq 30 \ \emph{mm} \ S_1 &\coloneqq s_1 \cdot \left(A_1 - d_t\right) = 4600 \ \emph{mm}^2 \ S_2 &\coloneqq s_2 \cdot \left(A_1 - d_t\right) = 3450 \ \emph{mm}^2 \ \sigma &\coloneqq rac{G_u + G_i + G_g}{2 \cdot \left(S_1 + S_2\right)} = 3.441 \ rac{\emph{kgf}}{\emph{mm}^2} \ \sigma_{max} &\coloneqq k_t \cdot \sigma = 9.109 \ rac{\emph{kgf}}{\emph{mm}^2} \end{aligned}$$