



$$\text{Normal Stress} = \alpha_x = F \cos \beta / (w_0 x t)$$

$$\text{Normal Stress} = \alpha_y = F \cos \beta / (L_0 x t)$$

Shear stress??

Can I assume that overall shear stress

$$T_{\text{overall}} = (T_{yx}^2 + T_{xy}^2)^{1/2}$$

If I were to use von mises criterion? Is the following formula correct?

$$S_y > \alpha_x^2 + \alpha_y^2 + 3 T_{\text{overall}}^2$$