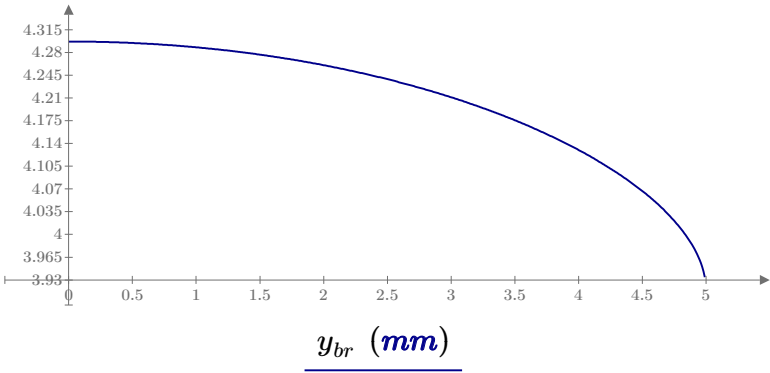


$$y_{br} \coloneqq 0, \frac{r}{div} \ldots r - \frac{r}{div}$$

$$T_{BB} \coloneqq q_p \cdot a = \left(3.343 \cdot 10^4\right) \textcolor{blue}{kgf}$$

$$J_{Bn} \coloneqq \frac{\textcolor{green}{\pi}}{64} \cdot \left(d_c^4 - d_l^4\right) = \left(1.018 \cdot 10^7\right) \textcolor{blue}{mm}^4$$

$$\tau_{zym}\left(y_{br}\right) \coloneqq \frac{\frac{T_{BB}}{2}}{\frac{J_{Bn}}{2}} \cdot \frac{S_{nr1}\left(y_{br}\right)}{b_{r1}\left(y_{br}\right)}$$



$$\tau_{zym}\left(y_{br}\right) \left(\frac{\textcolor{blue}{kgf}}{\textcolor{blue}{mm}^2}\right)$$

$$\tau_{zym}(0 \textcolor{blue}{mm}) = 4.297 \frac{\textcolor{blue}{kgf}}{\textcolor{blue}{mm}^2}$$

$$\tau_{zym}(r) = 3.914 \frac{\textcolor{blue}{kgf}}{\textcolor{blue}{mm}^2}$$