$Nm := N \cdot m$ $\quad$ $° := deg$

$M_{Nenn} := 1018.59Nm$ $\quad$ $M_{Max} := 1324.17Nm$ $\quad$ $d_1 := 250mm$ $\quad$ $\alpha_n := 20°$ $\quad$ $\beta := 30°$

$F_{T12} := 2 \cdot \frac{M_{Max}}{d_1}$ $\quad$ $F_{A12} := F_{T12} \cdot \tan(\beta)$ $\quad$ $F_{R12} := F_{T12} \cdot \frac{\tan(\alpha_n)}{\cos(\beta)}$

$b_1 := 30mm$ $\quad$ $a := 25mm + \frac{b_1}{2}$ $\quad$ $b := 49.5mm + \frac{b_1}{2}$

$$-F_{A12} \cdot \frac{d_1}{2} - F_{R12} \cdot a + B_z \cdot (a + b) = 0 \left| \begin{matrix} \text{solve}, B_z \\ \text{float}, 6 \end{matrix} \right. \rightarrow 9.02005 \cdot N \cdot \frac{m}{mm} = 9020.05\,N$$

$B_z = 9020.0533\,N$