$a := s_1 + s_2 = 70\ mm$

$B_t := 245\ mm$

$d_2 := 130\ mm$

$c := \frac{B_t + d_2}{2} = 187.5\ mm$

$T := 84\ mm$

$b := \frac{3 \cdot T + 5\ mm - c}{2} = 34.75\ mm$

$I := 3 \cdot T + 5\ mm + 2 \cdot a = 397\ mm$

$q := \frac{G_u + G_g + G_i}{c} = 295.504\ \frac{kgf}{mm}$

$q_p := \frac{G_u + G_g + G_i}{2\ a} = 395.764\ \frac{kgf}{mm}$

$M_{CC} := q_p \cdot \frac{a^2}{2} = 969622.5\ kgf \cdot mm$

$M_{BB} := -q \cdot \frac{c^2}{8} + a \cdot q_p \cdot \left(\frac{c}{2} + b + \frac{a}{2}\right) = 3230920.688\ kgf \cdot mm$

$T_{CC} := q_p \cdot a = 27703.5\ kgf$

$s := \frac{\langle A_t - d_f \rangle}{2}$

$J_{XX} := 2 \cdot \frac{s \cdot H_t^3}{12} = 46686250\ mm^4$

$\sigma_{maxBB} := \frac{M_{BB}}{\frac{J_{XX}}{\frac{H_t}{2}}} = 4.498\ \frac{kgf}{mm^2}$

$\sigma_{maxCC} := \frac{M_{CC}}{\pi \cdot \frac{d_t^3}{32}} = 8.532\ \frac{kgf}{mm^2}$

$\tau_{maxCC} := \frac{4}{3} \frac{T_{CC}}{\pi \cdot \frac{d_t^2}{4}} = 4.266\ \frac{kgf}{mm^2}$