$$b_x := \left(NV + \frac{d_1}{2}\right) \sin(\psi) + \left(NV + \frac{d_1}{2}\right) \frac{\sqrt{2}}{2} = 231.691 \ mm$$

$$egin{aligned} b_y &\coloneqq \left(NV + rac{d_1}{2}
ight) \cos\left(\psi
ight) - \left(NV + rac{d_1}{2}
ight) rac{\sqrt{2}}{2} = 30.318 \ \emph{mm} \end{aligned}$$
 $M_q &\coloneqq Q \cdot b_x + Q \cdot b_y = \left(7.205 \cdot 10^6
ight) \ \emph{kgf} \cdot \emph{mm} \end{aligned}$

$$A := \frac{(a+b) \cdot NU}{2} = (2.063 \cdot 10^4) \ mm^2$$

$$\rho := NV + \frac{d_1}{d_1} = 191.724 \ mm$$

$$\int_{-\pi}^{NV} \eta \left(b + \frac{a - b}{a}\right)$$

$$\frac{1}{\Lambda} \int \frac{\eta}{\rho + \eta}$$

$$\int_{0}^{NV} \frac{\eta}{a+n} \left(b + \frac{a-b}{NU} \right) \left(b \right)$$

$$\chi \coloneqq -\frac{1}{A} \int_{-UV} \frac{\eta}{\rho + \eta} \left(b + \frac{a - b}{NU} \left(UV + \eta \right) \right) d\eta = 0.129$$

$$Q$$
 $_{cin}$ (a)

$$\sigma_{N} \coloneqq \frac{1}{A} \frac{Q}{\sqrt{2}} \sin\left(\psi + \frac{\pi}{4}\right) - \frac{M_{q}}{A \cdot \rho} - \frac{M_{q}}{\chi \cdot A \cdot \rho} \cdot \frac{-NV}{\rho - NV} = 12.016 \frac{\textit{kgf}}{\textit{mm}^{2}}$$

$$\frac{\sqrt[8]{2}}{\sqrt{2}}$$
 $\sin\left(\psi + \frac{1}{2}\right)$

$$\frac{1}{\sqrt{2}} \sin \left[\psi \right]$$

$$\frac{A}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\sigma_{U} \coloneqq \frac{1}{A} \frac{Q}{\sqrt{2}} \sin\left(\psi + \frac{\pi}{4}\right) - \frac{M_{q}}{A \cdot \rho} - \frac{M_{q}}{\chi \cdot A \cdot \rho} \cdot \frac{UV}{\rho + UV} = -5.459 \frac{\textit{kgf}}{\textit{mm}}$$