

1.7. Static Permissible Axial Load

The static permissible axial load (F_{a0}) of the Cross-Roller Ring is obtained from the following equation.

$$F_{a0} = \frac{C_0}{Y_0}$$

where

F_{a0} : Static permissible axial load (kN)

Y_0 : Static axial factor ($Y_0=0.44$)

[Example of calculating a static permissible axial load]

Model No. RB25025

$C = 69.3$ kN

$C_0 = 150$ kN

The static permissible axial load (F_{a0}) is calculated as follows.

$$F_{a0} = \frac{C_0}{Y_0} = \frac{150}{0.44} = 340.9 \text{ kN}$$