



## Cylindrical Roller Bearings

### Calculation of Bearing Forces

Q = Load Capacity (N)

L = Load Distance to  
suspension point (mm)

P = Suspension Point

A = Bearing Distance (mm)  
recommended 500-1000 mm

### Formula

$$F_{\text{max stat.radial}} \text{ (N)} = \frac{Q \times L}{2 \times A}$$

