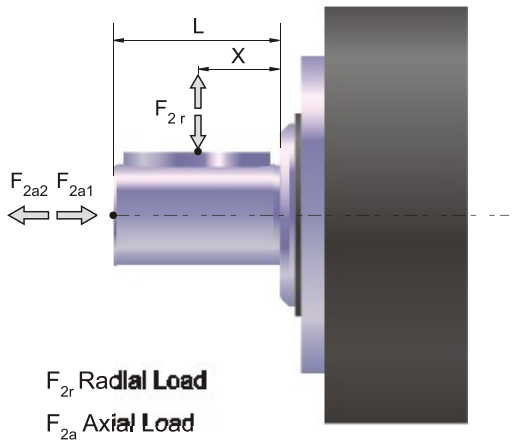
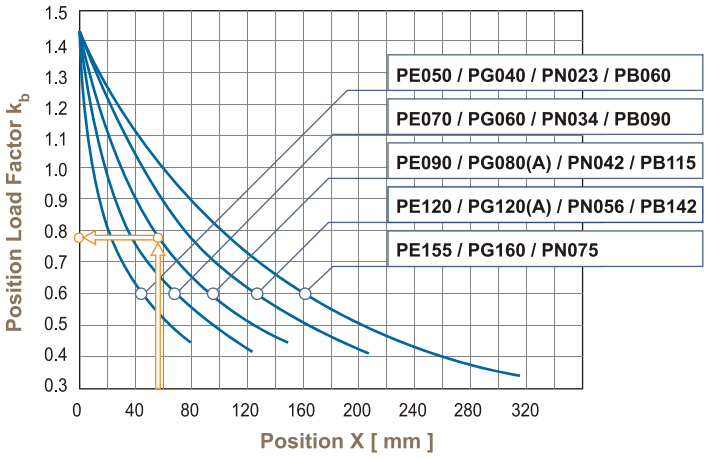
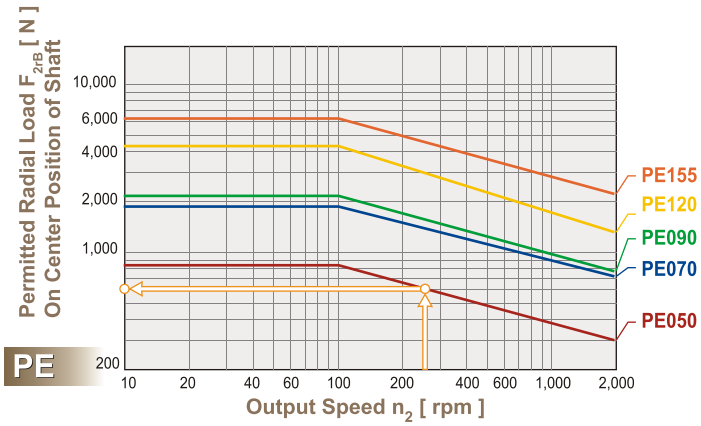
Permitted Radial and Axial Loads on Output Shaft of the Gearbox

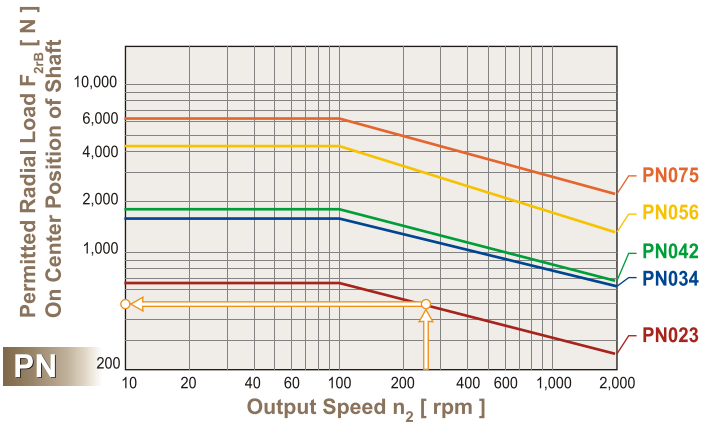


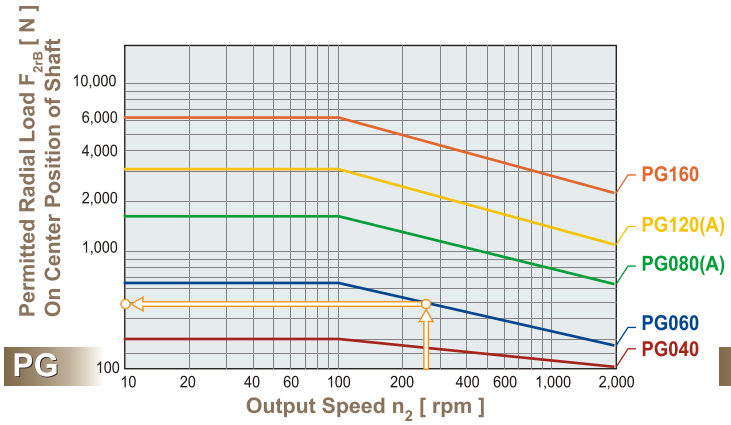


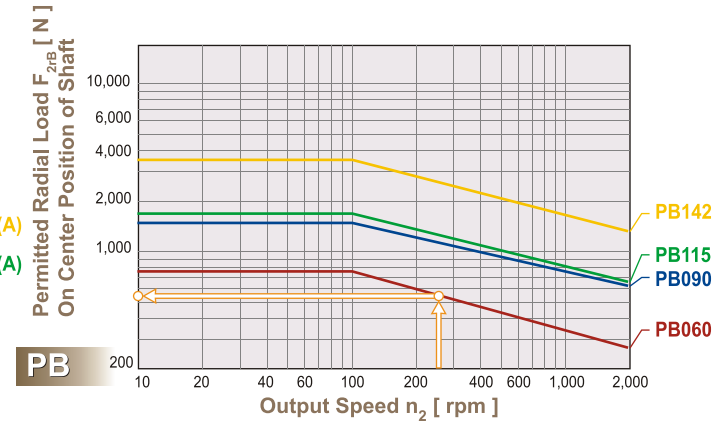
The permitted radial and axial loads on output shaft of the gearbox depend on the design of the gearbox supporting bearings.

If radial force F_{2r} is not exerted on the center of the output shaft X<1/2xL or X>1/2xL
The permitted radial and axial loads can be calculated by the position load factor K_b on the above diagram.









If radial force F_{2r} exert on the center of the output shaft X=1/2xL. Under various operating condition the lifetime is over 20,000* hours. The permitted radial load is given on the above diagram.

★ S1 service life 10,000 hrs (Consult us)