

$$\boxed{Re = \frac{\rho_0 R^2 \rho}{\mu}}$$

$$= \frac{\overset{v}{\rho_0 R} R \rho}{\mu}$$

$$Re = \frac{\rho v D}{\mu}$$

$$Re = \frac{\text{Inertial force}}{\text{viscous force.}}$$