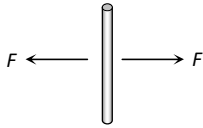
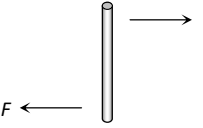
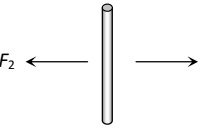
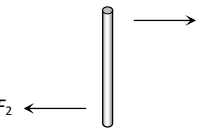


Translatory and Rotatory Equilibrium.

| | | | | |
|--|--|---|-----|--|
| Forces are equal and act along the same line. |  | $\Sigma F = 0$ $\Sigma \tau = 0$ | and | Body will remain stationary if initially it was at rest. |
| Forces are equal and does not act along the same line. |  | $\Sigma F = 0$ $\Sigma \tau \neq 0$ | and | Rotation i.e. spinning. |
| Forces are unequal and act along the same line. |  | $\Sigma F \neq 0$ $\Sigma \tau = 0$ | and | Translation i.e. slipping or skidding. |
| Forces are unequal and does not act along the same line. |  | $\Sigma F \neq 0$ $\Sigma \tau \neq 0$ | and | Rotation and translation both i.e. rolling. |