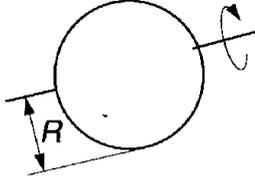
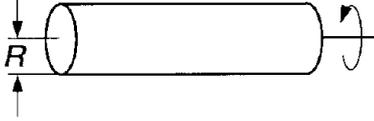
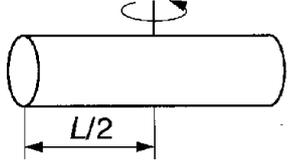
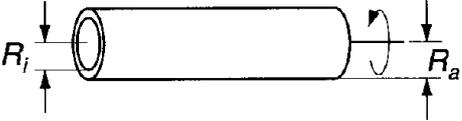
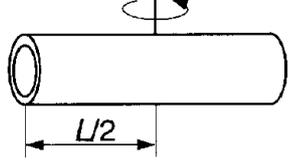
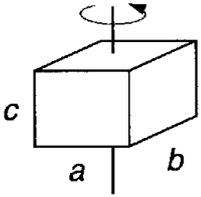
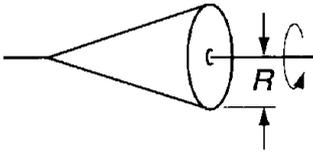
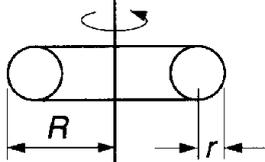


Trägheitsmomente einiger Körper

(Angaben mit der Gesamtmasse multiplizieren)

Tabelle 3.3 Quadrate der Trägheitsradien einfacher Körper bzgl. einer (oder mehrerer) Achsen durch den Schwerpunkt

Körper	Achslage	R_{T^2}
Kugel		$\frac{2}{5} R^2$
Hohlkugel (Innenradius R_i , Außenradius R_a)		$\frac{2(R_a^5 - R_i^5)}{5(R_a^3 - R_i^3)}$
Vollzylinder		$\frac{1}{2} R^2$
		$\frac{1}{4} R^2 + \frac{L^2}{12}$
Hohlzylinder		$\frac{1}{2} (R_i^2 + R_a^2)$
		$\frac{1}{4} (R_i^2 + R_a^2 + \frac{1}{3} L^2)$
Quader		$\frac{1}{12} (a^2 + b^2)$
Kegel		$\frac{3}{10} R^2$
Torus		$R^2 + \frac{3}{4} r^2$