

Mass properties of motorR1
Configuration: 8mm Ball Bearing
Coordinate system: -- default --

Mass = 1.647 kilograms

Volume = 0.001 cubic meters

Surface area = 0.298 square meters

Center of mass: (meters)

X = -0.202

Y = 0.024

Z = 0.000

Principal axes of inertia and principal moments of inertia: (kilograms * square meters)

taken at the center of mass.

Ix = (0.963, -0.270, 0.000) Px = 0.003

Iy = (-0.001, -0.004, -1.000) Py = 0.008

Iz = (0.270, 0.963, -0.004) Pz = 0.010

Moments of inertia: (kilograms * square meters)

taken at the center of mass and aligned with the output coordinate system.

Lxx = 0.003 Lxy = -0.002 Lxz = 0.000

lyx = -0.002 lyy = 0.009 lyz = 0.000

Lzx = 0.000 Lzy = 0.000 Lzz = 0.008

Moments of inertia: (kilograms * square meters)

taken at the output coordinate system.

lxx = 0.004 lxy = -0.010 lxz = 0.000

lyx = -0.010 lyy = 0.076 lyz = 0.000

lzx = 0.000 lzy = 0.000 lzz = 0.076