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

Mass = 1647.353 grams

Volume = 799454.876 cubic millimeters

Surface area = 297975.258 square millimeters

Center of mass: (millimeters)
X = -201.605
Y = 24.182
Z = -0.058

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.

Ix = (0.963, -0.270, 0.000)	Px = 2943739.971
Iy = (-0.001, -0.004, -1.000)	Py = 8439881.729
Iz = (0.270, 0.963, -0.004)	Pz = 9621436.753

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system.

Lxx = 343131.444	Lxy = -1737273.424	Lxz = 2098.979
Lyx = -1737273.424	Lyy = 9133847.653	Lyz = 4170.499
Lzx = 2098.979	Lzy = 4170.499	Lzz = 8439899.356

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system.

Ixx = 4394648.51	Ixy = -9768493.239	Ixz = 21243.953
Iyx = -9768493.239	Iyy = 76089501.798	Iyz = 1874.091
Izx = 21243.953	Izy = 1874.091	Izz = 76358879.621