

Mass properties of selected components

Coordinate system: Coordinate System4

The center of mass and the moments of inertia are output in the coordinate system of demo_leg

* Includes the mass properties of one or more hidden components/bodies.

Mass = 56.26 grams

Volume = 20835.93 cubic millimeters

Surface area = 21887.72 square millimeters

Center of mass: (millimeters)

X = 136.50

Y = 0.00

Z = 0.00

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)

taken at the center of mass.

Ix = (-1.00, 0.00, 0.00)

Px = 5479.05

Iy = (0.00, 1.00, 0.00)

Py = 142844.81

Iz = (0.00, 0.00, -1.00)

Pz = 145870.67

Moments of inertia: (grams * square millimeters)

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

Lxx = 5479.05

Lxy = -0.16

Lxz = -0.13

lyx = -0.16

lyy = 142844.81

lyz = 0.00

Lzx = -0.13

Lzy = 0.00 Lzz = 145870.67

Moments of inertia: (grams * square millimeters)

taken at the output coordinate system.

lxx = 5479.05

lxy = -0.49

lxz = -0.10

lyx = -0.49

lyy = 190978.89

lyz = 0.00

lzx = -0.10

lzy = 0.00 lzz = 194004.75