

Mass properties of selected components

Coordinate system: -- default --

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

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

Mass = 3.778085 kilograms

Volume = 0.001304 cubic meters

Surface area = 0.343475 square meters

Center of mass: (meters)

X = -0.007771

Y = -0.155123

Z = 0.320112

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

Taken at the center of mass.

Ix = (0.002864, -0.359327, 0.933207) Px = 0.005199

Iy = (0.001028, -0.933210, -0.359331) Py = 0.143679

Iz = (0.999995, 0.001989, -0.002304) Pz = 0.147184

Moments of inertia: (kilograms * square meters)

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

Lxx = 0.147183 Lxy = -0.000150 Lxz = 0.000378

Lyx = -0.000150 Lyy = 0.125799 Lyz = -0.046436

Lzx = 0.000378 Lzy = -0.046436 Lzz = 0.023080

Moments of inertia: (kilograms * square meters)

Taken at the output coordinate system.

Ixx = 0.625243 Ixy = 0.004405 Ixz = -0.009020

Iyx = 0.004405 Iyy = 0.513175 Iyz = -0.234044

Izx = -0.009020 Izy = -0.234044 Izz = 0.114221