

Mass properties of RectangularPrism (Part Configuration - Default)

Output coordinate System: -- default --

Density = 1.00 pounds per cubic inch

Mass = 6.00 pounds

Volume = 6.00 cubic inches

Surface area = 22.00 inches^2

Center of mass: (inches)

X = 0.00

Y = 0.00

Z = 0.00

Principal axes of inertia and principal moments of inertia: (pounds * square inches)

Taken at the center of mass.

Ix = (1.00, 0.00, 0.00) Px = 2.50

Iy = (0.00, 0.00, -1.00) Py = 5.00

Iz = (0.00, 1.00, 0.00) Pz = 6.50

Moments of inertia: (pounds * square inches)

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

Lxx = 2.50 Lxy = 0.00 Lxz = 0.00

Lyx = 0.00 Lyy = 6.50 Lyz = 0.00

Lzx = 0.00 Lzy = 0.00 Lzz = 5.00

Moments of inertia: (pounds * square inches)

Taken at the output coordinate system.

Ixx = 2.50 Ixy = 0.00 Izx = 0.00

Iyx = 0.00 Iyy = 6.50 Iyz = 0.00

Izx = 0.00 Izy = 0.00 Izz = 5.00

