

Mass properties of subass_hip_right
Configuration: Default
Coordinate system: -- default --

Mass = 1443.52 grams

Volume = 545814.67 cubic millimeters

Surface area = 206603.03 square millimeters

Center of mass: (millimeters)

X = 44.91

Y = -52.08

Z = 0.01

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

Ix = (-0.67, 0.74, 0.00)

Px = 1595122.12

Iy = (-0.74, -0.67, 0.00)

Py = 10315569.89

Iz = (0.00, 0.00, 1.00)

Pz = 1446826.01

Moments of inertia: (grams * square millimeters)

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

Lxx = 6344354.12 Lxy = -4342836.09 Lxz = 150.62

lyx = -4342836.09 lyy = 5566338.22 lyz = -598.66

Lzx = 150.62 Lzy = -598.66 Lzz = 1446825.69

Moments of inertia: (grams * square millimeters)

Taken at the output coordinate system.

Ixx = 10259650.86 Ixy = -7719354.98 Ixz = 1487.44

Iyx = -7719354.98 Iyy = 8478219.71 Iyz = -989.23

Izx = 1487.44 Izy = -989.23 Izz = 18274003.84