

Mass properties of subass_hip_right

Configuration: Default

Coordinate system: -- default --

Mass = 146.19 grams

Volume = 361655.88 cubic millimeters

Surface area = 213377.07 square millimeters

Center of mass: (millimeters)

X = 55.86

Y = -57.34

Z = 0.08

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

taken at the center of mass.

Ix = (0.72, -0.69, 0.00)

Px = 1666727.21

Iy = (0.69, 0.72, 0.00)

Py = 8012252.13

Iz = (0.00, 0.00, 1.00)

Pz = 8601629.89

Moments of inertia: (grams * square millimeters)

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

Lxx = 4703130.84 Lxy = -3169830.90 Lxz = 210.29

lyx = -3169830.90 lyy = 4975848.54 lyz = -364.1

Lzx = 210.29 Lzy = -364.1 Lzz = 8601629.84

Moments of inertia: (grams * square millimeters)

taken at the output coordinate system.

lxx = 8471592.20 lxy = -6840770.86 lxz = 5165.40

lyx = -6840770.86 lyy = 8551804.17 lyz = -5450.85

lzx = 5165.40 lzy = -5450.85 lzz = 15946033.10