

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

Mass = 139.97 grams

Volume = 356472.26 cubic millimeters

Surface area = 2115.12 square millimeters

Center of mass: (millimeters)

X = 55.49

Y = 57.37

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 = 1645253.88

Iy = (-0.69, 0.72, 0.00) Py = 799411.47

Iz = (0.00, 0.00, 1.00) Pz = 8566734.89

Moments of inertia: (grams * square millimeters)

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

Lxx = 4695647.27 Lxy = 3172004.63 Lxz = -301.13

lyx = 3172004.63 lyy = 4943718.13 lyz = -447.90

Lzx = -301.13 Lzy = -447.90 Lzz = 8566734.83

Moments of inertia: (grams * square millimeters)

Taken at the output coordinate system.

lxx = 844711.04 lxy = 6801078.85 lxz = -5277.59

lyx = 6801078.85 lyy = 8454409.37 lyz = -5592.18

lzx = -5277.59 lzy = -5592.18 lzz = 15828875.72