

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

Mass = 1347.05 grams

Volume = 444901.73 cubic millimeters

Surface area = 222567.44 square millimeters

Center of mass: (millimeters)

X = 127.19

Y = -52.79

Z = -0.07

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

Ix = (0.85, -0.53, 0.00)

Px = 2304427.75

Iy = (0.53, 0.85, 0.00)

Py = 9045764.57

Iz = (0.00, 0.00, 1.00)

Pz = 10539827.02

Moments of inertia: (grams * square millimeters)

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

Lxx = 4228382.85 Lxy = -3044408.99 Lxz = 203.24

lyx = -3044408.99 lyy = 7121809.49 lyz = -221.96

Lzx = 203.24 Lzy = -221.96 Lzz = 10539827.01

Moments of inertia: (grams * square millimeters)

Taken at the output coordinate system.

lxx = 7981644.88 lxy = -12088317.43 lxz = -1260.32

lyx = -12088317.43 lyy = 28914168.59 lyz = 4535.46

lzx = -1260.32 lzy = 4535.46 lzz = 36085436.08