

Mass properties of subass\_hip\_left  
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 = 44.92

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 = 1595327.61

Iy = (-0.74, 0.67, 0.00)

Py = 10316460.74

Iz = ( 0.00, 0.00, 1.00)

Pz = 1447924.33

Moments of inertia: ( grams \* square millimeters )

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

Lxx = 6344343.62

Lxy = 4343230.13

Lxz = -145.64

lyx = 4343230.13

lyy = 5567445.05

lyz = -608.95

Lzx = -145.64

Lzy = -608.95

Lzz = 1447924.01

Moments of inertia: ( grams \* square millimeters )

Taken at the output coordinate system.

lxx = 10259649.45

lxy = 7720102.40

lxz = -1490.28

lyx = 7720102.40

lyy = 8479929.31

lyz = -1008.55

lzx = -1490.28

lzy = -1008.55

lzz = 18275714.02