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

Density = 0.00 grams per cubic millimeter

Mass = 313.73 grams

Volume = 313727.90 cubic millimeters

Surface area = 87411.93 square millimeters

Center of mass: (millimeters)
X = -113.68
Y = -45.05
Z = 25.51

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

Ix = (0.67, 0.71, 0.21)	Px = 590957.95
Iy = (-0.74, 0.65, 0.17)	Py = 1428110.44
Iz = (-0.01, -0.27, 0.96)	Pz = 1704874.86

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)

Lxx = 1048664.63	Lxy = 398837.86	Lxz = 121033.67
Lyx = 398837.86	Lyy = 1027467.99	Lyz = 196493.76
Lzx = 121033.67	Lzy = 196493.76	Lzz = 1647810.63

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)

Ixx = 1889447.54	Ixy = 2005459.77	Ixz = -788607.61
Iyx = 2005459.77	Iyy = 5285740.76	Iyz = -163986.38
Izx = -788607.61	Izy = -163986.38	Izz = 6338671.20