Mass properties of Coxa Subassembly
Configuration: Default
Coordinate system: Joint Frame

Mass = 146.45 grams

Volume = 79622.45 cubic millimeters

Surface area = 27157.53 square millimeters

Center of mass: (millimeters)
X = 49.92
Y = -0.14
Z = 14.57

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

Ix = (-0.06, 0.02, -1.00)	Px = 45656.49
Iy = (-0.97, 0.22, 0.07)	Py = 60278.20
Iz = (0.22, 0.97, 0.01)	Pz = 60468.88

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

Lxx = 60228.25	Lxy = -64.80	Lxz = 930.57
Lyx = -64.80	Lyy = 60450.29	Lyz = -362.92
Lzx = 930.57	Lzy = -362.92	Lzz = 45725.03

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

Ixx = 91307.79	Ixy = -1053.07	Ixz = 107418.47
Iyx = -1053.07	Iyy = 456418.33	Iyz = -651.33
Izx = 107418.47	Izy = -651.33	Izz = 410618.88