Mass properties of UpperArm7
    Configuration: Default
    Coordinate system: -- default --

Density = 0.00 grams per cubic millimeter

Mass = 628.03 grams

Volume = 628033.25 cubic millimeters

Surface area = 125655.19 square millimeters

Center of mass: (millimeters)
       X = -46.75
       Y = -25.54
       Z = -12.46

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
      Ix = (0.94, 0.20, 0.29)   Px = 1125552.60
      Iy = (0.34, -0.38, -0.86)   Py = 6258891.12
      Iz = (-0.06, 0.90, -0.43)   Pz = 6587015.49

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)
      Lxx = 1753097.01   Lxy = 956319.52   Lxz = 1385161.40
      Lyx = 956319.52   Lyy = 6330124.30   Lyz = 416985.12
      Lzx = 1385161.40   Lzy = 416985.12   Lzz = 5888237.90

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)
      Ixx = 2260174.33   Ixy = 1706082.24   Ixz = 1750894.48
      Iyx = 1706082.24   Iyy = 7799974.25   Iyz = 616792.92
      Izx = 1750894.48   Izy = 616792.92   Izz = 7670233.32