

# Mass properties of Muslo1

Configuration: Predeterminado

Coordinate system: -- default --

Density = 0.01 grams per cubic millimeter

Mass = 793.10 grams

Volume = 108643.26 cubic millimeters

Surface area = 67947.17 square millimeters

Center of mass: ( millimeters )

X = 54.21

Y = -18.50

Z = 48.34

Principal axes of inertia and principal moments of inertia: ( grams \* square millimeters )

taken at the center of mass.

Ix = ( 0.98, -0.01, -0.21)

Px = 855407.13

Iy = (-0.21, 0.01, -0.98)

Py = 1217040.84

Iz = ( 0.01, 1.00, 0.00)

Pz = 1746919.74

Moments of inertia: ( grams \* square millimeters )

taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)

Lxx = 872033.46    Lxy = -7165.30    Lxz = -75627.10

Lyx = -7165.30    Lyy = 1746851.27    Lyz = -1679.40

Lzx = -75627.10    Lzy = -1679.40    Lzz = 1200482.99

Moments of inertia: ( grams \* square millimeters )

taken at the output coordinate system. (Using positive tensor notation.)

lxx = 2996300.26    lxy = -802412.47    lxx = 2002640.54

lyx = -802412.47    lyy = 5930783.42    lyz = -71071.43

lzx = 2002640.54    lzy = -71071.43    lzz = 3802769.22