Mass properties of challenge2
Configuration: Default
Coordinate system: -- default --

Density = 0.00 grams per cubic millimeter

Mass = 7903.45 grams

Volume = 2927204.68 cubic millimeters

Surface area = 31435.07 square millimeters

Center of mass: (millimeters)
X = 0.00
Y = 53.32
Z = 0.00

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

Ix = (1.00, 0.00, 0.00)	Px = 55270149.27
Iy = (0.00, 0.00, -1.00)	Py = 60591954.78
Iz = (0.00, 1.00, 0.00)	Pz = 68388434.53

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

Lxx = 55270149.27	Lxy = -196.40	Lxz = -53.24
Lyx = -196.40	Lyy = 68388434.53	Lyz = 27.62
Lzx = -53.24	Lzy = 27.62	Lzz = 60591954.78

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

Ixx = 77740626.31	Ixy = -323.13	Ixz = -53.24
Iyx = -323.13	Iyy = 68388434.53	Iyz = 37.89
Izx = -53.24	Izy = 37.89	Izz = 83062431.82