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

Mass = 185684.17 grams

Volume = 29317348.16 cubic millimeters

Surface area = 3070473.01 square millimeters

Center of mass: (millimeters)
X = 79.91
Y = 66.94
Z = 55.09

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
Ix = (1.00, -0.01, -0.09) Px = 5254650851.20
Iy = (0.04, 0.95, 0.30) Py = 8816815448.80
Iz = (0.08, -0.30, 0.95) Pz = 9220541052.80

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system.
Lxx = 5285570665.48 Lxy = -42**1**7343.17 Lxz = -342812970.29
Lyx = -42**1**7343.17 Lyy = 8853327834.62 Lyz = 121048853.38
Lzx = -342812970.29 Lzy = 121048853.38 Lzz = 9153108852.70

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system.
Ixx = 668**1**27202.19 Ixy = 95**1**82463.75 Ixz = 474591955.15
Iyx = 95**1**82463.75 Iyy = 10602566870.12 Iyz = 805781056.09
Izx = 474591955.15 Izy = 805781056.09 Izz = **1**70946639.95