Properties of boom-assembly

Mass = **458722.30** grams
Volume = 59574324.96 cubic millimeters
Surface area = 19253415.59 square millimeters

Section properties of the selected face of boom-inner

Area = **7675.43** millimeters^2
Principal moments of inertia of the area, at the centroid: (millimeters ^ 4)
    Ix = 40904613.17
    Iy = **117422798.48**
Mass = **245129.54** grams

Section properties of the selected face of boom-middle

Area = **4404.90** millimeters^2
Principal moments of inertia of the area, at the centroid: (millimeters ^ 4)
    Ix = 18971218.15
    Iy = **57430515.51**
Mass = **122340.77** grams

Section properties of the selected face of boom-outer

Area = **3265.55** millimeters^2
Principal moments of inertia of the area, at the centroid: (millimeters ^ 4)
    Ix = 11695049.54
    Iy = **36855419.61**
Mass = **91252.00** grams