VOLUME = 9.8025340e+04 MM^3

SURFACE AREA = 8.1441818e+04 MM^2

AVERAGE DENSITY = 3.8589839e-06 KILOGRAM / MM^3

MASS = 3.7827821e-01 KILOGRAM

CENTER OF GRAVITY with respect to URDF\_WRIST-YAW\_LINK coordinate frame:

X Y Z 8.2161929e-02 -2.6334189e+00 -1.6465877e+01 MM

INERTIA with respect to URDF\_WRIST-YAW\_LINK coordinate frame: (KILOGRAM \* MM^2)

INERTIA TENSOR:

Ixx Ixy Ixz 3.3840120e+02 -2.2862966e+00 -1.2921497e+00

Iyx Iyy Iyz -2.2862966e+00 3.0882618e+02 -4.7991020e+01

Izx Izy Izz -1.2921497e+00 -4.7991020e+01 2.7662468e+02

INERTIA at CENTER OF GRAVITY with respect to URDF\_WRIST-YAW\_LINK coordinate frame: (KILOGRAM \* MM^2)

INERTIA TENSOR:

Ixx Ixy Ixz 2.3321716e+02 -2.3681435e+00 -1.8039102e+00

Iyx Iyy Iyz -2.3681435e+00 2.0626291e+02 -3.1588290e+01

Izx Izy Izz -1.8039102e+00 -3.1588290e+01 2.7399881e+02

PRINCIPAL MOMENTS OF INERTIA: (KILOGRAM \* MM^2)

I1 I2 I3 1.9361103e+02 2.3341202e+02 2.8645582e+02

ROTATION MATRIX from URDF\_WRIST-YAW\_LINK orientation to PRINCIPAL AXES:

0.07215 -0.99728 -0.01524

0.92774 0.07272 -0.36606

0.36618 0.01227 0.93047

ROTATION ANGLES from URDF\_WRIST-YAW\_LINK orientation to PRINCIPAL AXES (degrees):

angles about x y z 21.476 -0.873 85.862

RADII OF GYRATION with respect to PRINCIPAL AXES:

R1 R2 R3 2.2623479e+01 2.4840249e+01 2.7518399e+01 MM

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MASS PROPERTIES OF COMPONENTS OF THE ASSEMBLY

(in assembly units and the URDF\_WRIST-YAW\_LINK coordinate frame)

DENSITY MASS C.G.: X Y Z

CE0008B0 MATERIAL: UNKNOWN

3.85898e-06 3.78278e-01 8.21619e-02 -2.63342e+00 -1.64659e+01