VOLUME = 7.3998675e+05 MM^3

SURFACE AREA = 4.5440701e+05 MM^2

AVERAGE DENSITY = 3.1370710e-06 KILOGRAM / MM^3

MASS = 2.3213910e+00 KILOGRAM

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

X Y Z 1.7306023e-01 -4.1556033e+00 -7.3402698e+01 MM

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

INERTIA TENSOR:

Ixx Ixy Ixz 2.5366554e+04 -9.3621859e+00 2.2997648e+00

Iyx Iyy Iyz -9.3621859e+00 2.2598801e+04 -1.1482807e+03

Izx Izy Izz 2.2997648e+00 -1.1482807e+03 7.1871667e+03

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

INERTIA TENSOR:

Ixx Ixy Ixz 1.2818913e+04 -1.1031660e+01 -2.7189069e+01

Iyx Iyy Iyz -1.1031660e+01 1.0091179e+04 -4.4018098e+02

Izx Izy Izz -2.7189069e+01 -4.4018098e+02 7.1470090e+03

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

I1 I2 I3 7.0824650e+03 1.0155563e+04 1.2819073e+04

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

0.00497 0.00262 -0.99998

0.14478 0.98946 0.00331

0.98945 -0.14479 0.00454

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

angles about x y z -36.133 -89.678 -27.808

RADII OF GYRATION with respect to PRINCIPAL AXES:

R1 R2 R3 5.5235472e+01 6.6142081e+01 7.4311181e+01 MM

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MASS PROPERTIES OF COMPONENTS OF THE ASSEMBLY

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

DENSITY MASS C.G.: X Y Z

PH0002 MATERIAL: UNKNOWN

3.13707e-06 2.32139e+00 1.73060e-01 -4.15560e+00 -7.34027e+01