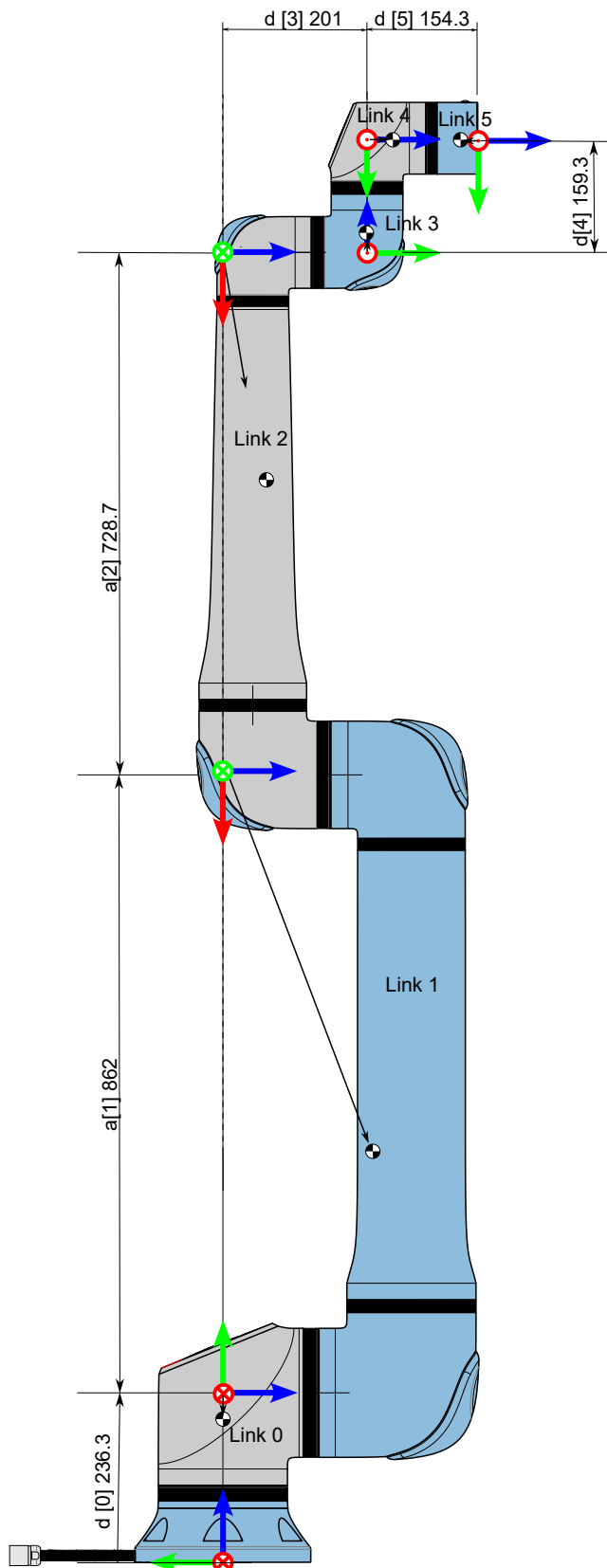


# Kinematics properties for UR 20

DH parameter, mass, Center of mass, inertia matrix



## DH parameter

a: [0.0000, -0.8620, -0.7287, 0.0000, 0.0000, 0.0000]  
d: [0.2363, 0.0000, 0.0000, 0.2010, 0.1593, 0.1543]

## Link

### Link mass [kg]

[16.343, 29.632, 7.879, 3.054, 3.126, 0.846]

### Center of mass

Link 0 [0.0000, -0.0610, 0.0062],  
Link 1 [0.5226, 0.0000, 0.2098],  
Link 2 [0.3234, 0.0000, 0.0604],  
Link 3 [0.0000, -0.0026, 0.0393],  
Link 4 [0.0000, 0.0024, 0.0379],  
Link 5 [0.0000, -0.0003, -0.0318]

### inertia matrix:

Link 0 [0.0887, -0.0001, -0.0001, -0.0001, 0.0763, 0.0072, -0.0001, 0.0072, 0.0842],  
Link 1 [0.1467, 0.0002, -0.0516, 0.0002, 4.6659, 0.0000, -0.0516, 0.0000, 4.6348],  
Link 2 [0.0261, -0.0001, -0.0290, -0.0001, 0.7576, -0.0000, -0.0290, -0.0000, 0.7533],  
Link 3 [0.0056, -0.0000, -0.0000, -0.0000, 0.0054, 0.0004, -0.0000, 0.0004, 0.0040],  
Link 4 [0.0059, -0.0000, 0.0000, -0.0000, 0.0058, -0.0004, 0.0000, -0.0004, 0.0043],  
Link 5 [0.0009, 0.0000, 0.0000, 0.0000, 0.0009, 0.0000, 0.0000, 0.0000, 0.0012]

## Legend

- local frame X-axis
- local frame Y-axis
- local frame Z-axis
- axis pointing inwards
- axis pointing outwards
- center of mass

Part no. used for data calculation : 695-903-00 Rev A



