| Joint Name                      | World Coordinates (m) |        |       | Relative to last joint Coordinates (m) |        |       |
|---------------------------------|-----------------------|--------|-------|--|--------|-------|
|                                 | Х                     | Υ      | Z     | Х                                      | Υ      | Z     |
| Base                            | 0                     | 0      | 0     | 0                                      | 0      | 0     |
| Base_Shoulder1                  | 0                     | 0      | 0.156 | 0                                      | 0      | 0.156 |
| Shoulder1_Halfarm1              | 0                     | -0.005 | 0.285 | 0                                      | -0.005 | 0.129 |
| Halfarm1_Halfarm2               | 0                     | -0.012 | 0.495 | 0                                      | -0.007 | 0.21  |
| Halfarm2_Forearm1               | 0                     | -0.018 | 0.706 | 0                                      | -0.006 | 0.211 |
| Forearm1_Sphericalwrist1        | 0                     | -0.025 | 0.914 | 0                                      | -0.007 | 0.208 |
| Sphericalwrist1_Sphericalwirst2 | 0                     | -0.025 | 1.02  | 0                                      | 0      | 0.106 |
| Sphericalwrist2_EECoupler       | 0                     | -0.025 | 1.126 | 0                                      | 0      | 0.106 |