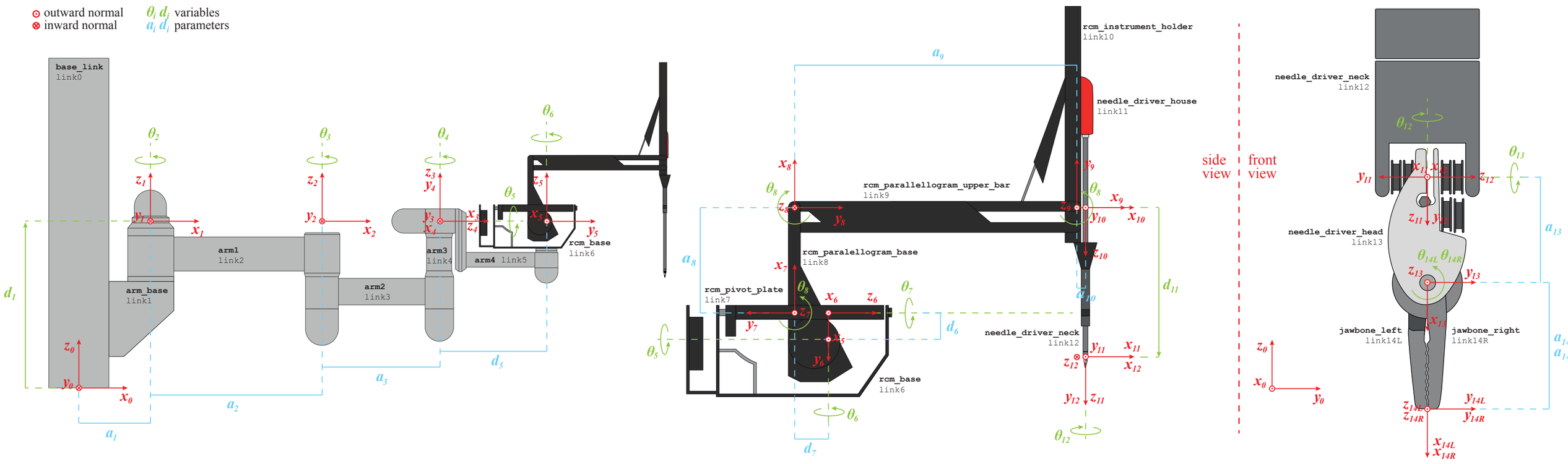

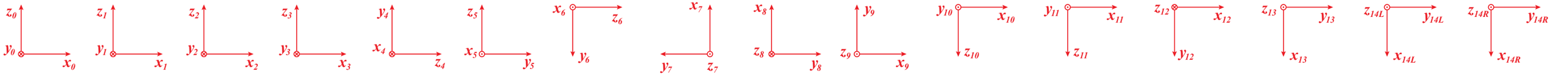

T01
θ = 0 (about z0, from x0 to x1)
d = d1* (along z0, from o0 to x1)
a = a1 (along x1, from z0 to z1)
α = 0 (about x1, from z0 to z1)

T23
θ = θ3* (about z2, from x2 to x3)
d = 0 (along z2, from o2 to x3)
a = a3 (along x3, from z2 to z3)
α = 0 (about x3, from z2 to z3)

T45
θ = θ5* (about z4, from x4 to x5)
d = d5 (along z4, from o4 to x5)
a = 0 (along x5, from z4 to z5)
α = 90° (about x5, from z4 to z5)

T67
θ = θ7* (about z6, from x6 to x7)
d = d7 (along z6, from o6 to x7)
a = 0 (along x7, from z6 to z7)
α = -90° (about x7, from z6 to z7)

T89
θ = θ8* (about z8, from x8 to x9)
d = 0 (along z8, from o8 to x9)
a = a9 (along x9, from z8 to z9)
α = 180° (about x9, from z8 to z9)

T1011
θ = 0 (about z10, from x10 to x11)
d = d11* (along z10, from o10 to x11)
a = 0 (along x11, from z10 to z11)
α = 0 (about x11, from z10 to z11)

T1213
θ = θ13* (about z12, from x12 to x13)
d = 0 (along z12, from o12 to x13)
a = a13 (along x13, from z12 to z13)
α = 90° (about x13, from z12 to z13)

T1314R
θ = θ14R* (about z13, from x13 to x14R)
d = 0 (along z13, from o13 to x14R)
a = a14R (along x14R, from z13 to z14R)
α = 0 (about x14R, from z13 to z14R)

T12
θ = θ2* (about z1, from x1 to x2)
d = 0 (along z1, from o1 to x2)
a = a2 (along x2, from z1 to z2)
α = 0 (about x2, from z1 to z2)

T34
θ = θ4* (about z3, from x3 to x4)
d = 0 (along z3, from o3 to x4)
a = 0 (along x4, from z3 to z4)
α = 90° (about x4, from z3 to z4)

T56
θ = θ6* (about z5, from x5 to x6)
d = d6 (along z5, from o5 to x6)
a = 0 (along x6, from z5 to z6)
α = -90° (about x6, from z5 to z6)

T78
θ = θ8* (about z7, from x7 to x8)
d = 0 (along z7, from o7 to x8)
a = a8 (along x8, from z7 to z8)
α = 180° (about x8, from z7 to z8)

T910
θ = θ8* (about z9, from x9 to x10)
d = 0 (along z9, from o9 to x10)
a = a10 (along x10, from z9 to z10)
α = 90° (about x10, from z9 to z10)

T1112
θ = θ12* (about z11, from x11 to x12)
d = 0 (along z11, from o11 to x12)
a = 0 (along x12, from z11 to z12)
α = 90° (about x12, from z11 to z12)

T1314L
θ = θ14L* (about z13, from x13 to x14L)
d = 0 (along z13, from o13 to x14L)
a = a14L (along x14L, from z13 to z14L)
α = 0 (about x14L, from z13 to z14L)

	parameters	parameters	variables physical limits	variables low-level controller limits	variables ROS xacro limits
1	a_1 = 0.1885 m		d_1 = [] m	d_1 = [] m	d_1 = [0, 1] m
2	a_2 = 0.5820 m		θ_2 = [] °	θ_2 = [] °	θ_2 = [-1.5708, 1.5708] rad
3	a_3 = 0.4287 m		θ_3 = [] °	θ_3 = [] °	θ_3 = [-2.8000, 2.8000] rad
4		α_1 = 90°	θ_4 = [] °	θ_4 = [] °	θ_4 = [-2.8000, 2.8000] rad
5	d_5 = 0.4122 m	α_5 = 90°	θ_5 = [] °	θ_5 = [] °	θ_5 = [-1.5708, 1.5708] rad
6	d_6 = 0.0474 m	α_6 = -90°	θ_6 = [] °	θ_6 = [] °	θ_6 = [-2.8000, 2.8000] rad
7	d_7 = 0.0350 m	α_7 = -90°	θ_7 = [-95.7, 95.7] ° = [-1.6703, 1.6703] rad	θ_7 = [-76.4, 81.6] ° = [-1.3334, 1.4242] rad	θ_7 = [-1.5708, 1.5708] rad
8	a_8 = 0.1900 m	α_8 = 180°	θ_8 = [-54.5, 52.3] ° = [-0.9512, 0.9128] rad	θ_8 = [-46.5, 44.3] ° = [-0.8116, 0.7732] rad	θ_8 = [-0.8000, 1.0000] rad
9	a_9 = 0.5230 m	α_9 = 180°			
10	a_{10} = 0.0400 m	α_{10} = 90°			
11			d_{11} = [0.1690, 0.4100] m	d_{11} = [0.1700, 0.4090] m	d_{11} = [-0.1200, 0.1200] m
12		α_{12} = 90°	θ_{12} = [-249, 273] ° = [-4.3459, 4.7647] rad	θ_{12} = [-246, 253] ° = [-4.2935, 4.4157] rad	θ_{12} = [-4.7124, 4.7124] rad
13	a_{13} = 0.0095 m	α_{13} = 90°	θ_{13} = [-84.0, 88.0] ° = [-1.4661, 1.5359] rad	θ_{13} = [-56.0, 52.0] ° = [-0.9774, 0.9076] rad	θ_{13} = [-1.5000, 1.5000] rad
14L	a_{14L} = 0.0095 m		θ_{14L} = [-106, θ_{14R}] ° = [-1.8500, θ_{14R}] rad	θ_{14L} = [-45.0, 76.5] ° = [-0.7854, 1.3352] rad	θ_{14L} = [-1.8000, 1.8000] rad
14R	a_{14R} = 0.0095 m		θ_{14R} = [θ_{14L}, 97.5] ° = [θ_{14L}, 1.7017] rad	θ_{14R} = [?, ?] ° = [] rad	θ_{14R} = [-1.8000, 1.8000] rad