body_	id	Movable links
0		ROOT
1		base_link_TX
2		base_link_TY
3		base_link_TZ
4		base_link_RX
5		base link RY
6		base_link
7		leg_left_1_link
8		leg_left_2_link
9		leg left 3 link
10		leg_left_4_link
11		leg_left_5_link
12		leg_left_4_link leg_left_5_link leg_left_6_link
13		leg_right_1_link
14		leg_right_2_link
15		leg_right_3_link
16		leg_right_4_link
17		leg_right_5_link
18		leg_right_6_link
19		torso_1_link
20		torso_2_link
21		arm_left_1_link
22		arm_left_2_link
23		arm_left_3_link
24		arm_left_4_link
25		arm_left_4_link arm_left_5_link
26		arm lett 6 link
27		arm_left_7_link
28		arm_right_1_link
29		arm_right_2_link
30		arm_right_3_link
31		arm_right_4_link
32		arm_right_5_link
33		arm_right_6_link
34		arm_right_7_link
35		head_1_link
36		head_2_link

body_id	our id	Fixed links
2147483647		imu link
2147483648		left sole link
2147483649		
2147483650		right_sole_link
2147483651		right_laser_link
2147483652	-6	arm_left_tool_link
2147483653	-7	wrist left ft link
2147483654	-8	wrist_left_ft_tool_link
2147483655	-9	hand_left_palm_link
2147483656	-10	hand_left_grasping_frame
2147483657	-11	arm_right_tool_link
2147483658	-12	wrist_right_ft_link
2147483659	-13	wrist_right_ft_tool_link
2147483660	-14	hand_right_palm_link
2147483661	-15	hand_right_grasping_frame
2147483662	-16	back_camera_link
2147483663	-17	back_camera_gazebo_back_camera_link
2147483664	-18	back_camera_optical_frame
2147483665	-19	head_sonar_03_link
2147483666	-20	stereo_link
2147483667	-21	stereo_gazebo_left_camera_link
2147483668	-22	stereo_gazebo_right_camera_link
2147483669	-23	stereo_optical_frame
2147483670	-24	torso_sonar_01_link
2147483671		torso_sonar_02_link
2147483672	-26	torso_sonar_04_link

joint_id	name
0	base_link_TX_joint
1	base_link_TY_joint
2	base_link_TZ_joint
2 3 4	base_link_RX_joint
4	base_link_RY_joint
5	base_link_RZ_joint
6	leg_left_1_joint
7	leg_left_2_joint
8	leg_left_3_joint
9	leg_left_4_joint
10	leg_left_5_joint
11	leg_left_6_joint
12	leg_right_1_joint
13	leg_right_2_joint
14	leg_right_3_joint
15	leg_right_4_joint
16	leg_right_5_joint
17	leg_right_6_joint
18	torso_1_joint
19	torso_2_joint
20	arm_left_1_joint
21	arm_left_2_joint
22	arm_left_3_joint
23	arm_left_4_joint
24	arm_left_5_joint
25	arm_left_6_joint
26	arm_left_7_joint
27	arm_right_1_joint
28	arm_right_2_joint
29	arm_right_3_joint
30	arm_right_4_joint
31	arm_right_5_joint
32	arm_right_6_joint
33	arm_right_7_joint
34	head_1_joint
35	head_2_joint