

Joint Name	Joint ID	Home Angle	Home Min Angle	Home Max Angle	Min Angle	Max Angle	Positive Direction
Left Side							
LeftChest	8	115	30	120	0	180	CCW
LeftShoulder	9	180	20	185	0	195	CW
LeftBicep	10	115	20	180	0	180	CCW
LeftElbow	11	105	60	130	0	180	CCW
LeftGripper	21	15					
LeftHip	15	96	10	96	10	196	CCW
LeftKnee	16	80	0	120	0	180	CCW
LeftAnkle	17	90	55	130	50	120	CCW
Right Side							
RightChest	4	135	105	220	0	180	CCW
RightShoulder	5	85	70	240	0	240	CW

RightBicep	6	115	70	200	0	180	CW
RightElbow	7	90	75	140	0	180	CW
RightGripper	20	15					
RightHip	13	84	84	170	84	170	CCW
RightKnee	14	90	60	170	0	180	CCW
RightAnkle	15	90	70	125	50	120	CCW
Head							
HeadNod	2	125	115	150	110	155	CCW
HeadTurn	3	120	70	170	70	160	CCW
HeadTilt	1	125	100	145	100	145	CCW
Torso							
TorsoBow	19	125	100	140	100	150	CW
TorsoTilt	18	115	105	120	80	160	CCW