

## PHOLUS LOWER BODY - Min and MAX

ID	Joint	Max Torque [Nm]	Max Speed [Rad/s]	Min HW	Max HW
71	LF Hip Yaw	314.00	8.84	0.559	5.969
72	LF Hip Pitch	314.00	6.63	0.441	5.852
73	LF Knee	314.00	6.63	0.501	5.788
74	LF Ankle Pitch	147.00	3.86	0.528	5.753
75	LF Ankle Yaw	55.00	11.72	0.518	5.755
41	RF Hip Yaw	314.00	8.84	0.559	5.969
42	RF Hip Pitch	314.00	6.63	0.468	5.880
43	RF Knee	314.00	6.63	0.500	5.768
44	RF Ankle Pitch	147.00	3.86	0.528	5.750
45	RF Ankle Yaw	55.00	11.72	0.522	5.760
51	RH Hip Yaw	314.00	8.84	0.559	5.969
52	RH Hip Pitch	314.00	6.63	0.460	5.875
53	RH Knee	314.00	6.63	0.500	5.785
54	RH Ankle Pitch	147.00	3.86	0.524	5.753
55	RH Ankle Yaw	55.00	11.72	0.534	5.771
61	LH Hip Yaw	314.00	8.84	0.558	5.969
62	LH Hip Pitch	314.00	6.63	0.438	5.848
63	LH Knee	314.00	6.63	0.508	5.792
64	LH Ankle Pitch	147.00	3.86	0.527	5.762
65	LH Ankle Yaw	55.00	11.72	0.514	5.754

Min MODEL	Max MODEL
0.609	5.919
0.491	5.802
0.701	5.588
0.778	5.503
0.568	5.705
0.609	5.919
0.518	5.830
0.700	5.568
0.778	5.500
0.572	5.710
0.609	5.919
0.510	5.825
0.700	5.585
0.774	5.503
0.584	5.721
0.608	5.919
0.488	5.798
0.708	5.592
0.777	5.512
0.564	5.704

Min +/-	Max +/-
-2.533	2.777
-2.651	2.660
-2.441	2.446
-2.364	2.361
-2.574	2.563
-2.533	2.777
-2.624	2.688
-2.442	2.426
-2.364	2.358
-2.570	2.568
-2.533	2.777
-2.632	2.683
-2.442	2.443
-2.368	2.361
-2.558	2.579
-2.534	2.777
-2.654	2.656
-2.434	2.450
-2.365	2.370
-2.578	2.562

Min +/-	Max +/-	RANGE
-145.107	159.134	304.241
-151.868	152.430	304.298
-139.836	140.169	280.004
-135.424	135.299	270.723
-147.456	146.872	294.328
-145.107	159.134	304.241
-150.321	154.034	304.355
-139.893	139.023	278.916
-135.424	135.127	270.551
-147.227	147.159	294.386
-145.107	159.134	304.241
-150.779	153.748	304.527
-139.893	139.997	279.890
-135.653	135.299	270.952
-146.539	147.789	294.328
-145.164	159.134	304.298
-152.040	152.201	304.241
-139.435	140.398	279.833
-135.481	135.814	271.296
-147.685	146.815	294.500

Model Offset **0.050**  
 Knee Pitch Offset **0.200**  
 Ankle Pitch Offset **0.250**  
 Pi **3.142**

**Model Offset** Is the security offset removed from each side of the range of motion.  
**Knee Pitch Offset** Is the security offset removed from each side of the Knee Pitch range of motion.  
**Ankle Pitch Offset** Is the security offset removed from each side of the Ankle Pitch range of motion.

