

joint / type		muscle	Gait2392 max isometric force (N)	Delp, 1990 max isometric force (N)	scale factor	Carhart, 2000 max isometric force (N)	scale factor
HIP	flex, abd, inrot	glut_med_1	819	550	1.49	546	1.50
	abd	glut_med_2	573	380	1.51	382	1.50
	ext, abd, exrot	glut_med_3	653	435	1.50	435	1.50
	flex, abd, inrot	glut_min_1	270	180	1.50	180	1.50
	abd	glut_min_2	285	190	1.50	190	1.50
	ext, abd, exrot	glut_min_3	323	215	1.50	215	1.50
	ext, abd	glut_max_1	573	380	1.51	382	1.50
	ext	glut_max_2	819	550	1.49	546	1.50
	ext	glut_max_3	552	370	1.49	368	1.50
	flex, ext(?), add	add_long	627	420	1.49	418	1.50
	flex, add	add_brev	429	285	1.51	286	1.50
	flex, add	pect	266	175	1.52	177	1.50
	exrot	quad_fem	381	255	1.49	254	1.50
	exrot	gem	164	110	1.49	109	1.50
	abd, exrot	piriformis	444	295	1.51	296	1.50
	ext, add	add_mag_1	381	345	1.10	346	1.10
	ext, add	add_mag_2	343	310	1.11	312	1.10
ext, add	add_mag_3	488	445	1.10	444	1.10	
flex, inrot	iliacus	1073	430	2.50	429	2.50	
flex, inrot	psoas	1113	370	3.01	371	3.00	
HIP/KNEE	h_flex, k_ext	rect_fem	1169	780	1.50	779	1.50
	h_flex, h_add, k_flex	gracilis	162	110	1.47	108	1.50
	h_flex, h_abd, k_flex	sartorius	156	105	1.49	104	1.50
	h_flex, h_abd, h_inrot	tfl	233	155	1.50	155	1.50
	h_ext, h_add, k_flex	semimem	1288	1030	1.25	1030	1.25
	h_ext, h_add, k_flex	semiten	410	330	1.24	328	1.25
	h_ext, h_add, k_flex	bi_fem_lh	896	720	1.24	717	1.25
KNEE	ext	vast_med	1294	1295	1.00	1294	1.00
	ext	vast_int	1365	1235	1.11	1365	1.00
	ext	vast_lat	1871	1870	1.00	1871	1.00
	flex	bi_fem_sh	804	400	2.01	402	2.00
KNEE/ANKLE	k_flex, a_pf	med_gas	1558	1115	1.40	1113	1.40
	k_flex, a_pf	lat_gas	683	490	1.39	488	1.40
ANKLE	pf, ev	per_brev	435	350	1.24	348	1.25
	pf, ev	per_long	943	755	1.25	754	1.25
	pf	soleus	3549	2830	1.25	2839	1.25
	pf, inv	tib_post	1588	1270	1.25	1270	1.25
	pf, inv	fl_dig_long	310	310	1.00	310	1.00
	pf, inv	fl_hal_long	322	320	1.01	322	1.00
	df, inv	tib_ant	905	600	1.51	603	1.50
	df, ev	ext_dig_long	512	340	1.51	341	1.50
	df, inv	ext_hal_long	162	110	1.47	108	1.50
	df, ev	per_tert	180	90	2.00	90	2.00