

Sheet1

HFR Dimensions as of 2023-02-09

global origin: on surface of chassis
at geometric center of chassis

leg origin: at height of knee, above
the hip servo center

name	description	inches	cm	rounded cm
cornerX	From: corner servo center To: lateral center line	3.50433	8.9009982	8.901
cornerY	From: corner servo center To: front to back center line	2.00399	5.0901346	5.090
sideX	From: side servo center To: lateral center line	0	0	
sideY	From: side servo center To: front to back center line	2.57287	6.5350898	6.535
kneeW	From: chassis top surface To: center of knee servo	1.44998	3.6829492	3.683
ThighL	From: hip servo, horizontal To: knee servo	1.8511	4.701794	4.702
ShinL	From: knee servo To: ankle servo	2.99999	7.6199746	7.620
FootL	From: ankle servo To: toe tip	4.35394	11.0590076	11.059

Notes: the W in kneeW reflects the plan to
use names u, v, and w for what were
previously called x, y, and z for the
local leg frame of reference, to
distinguish them from global coords.

The L suffix denotes Length