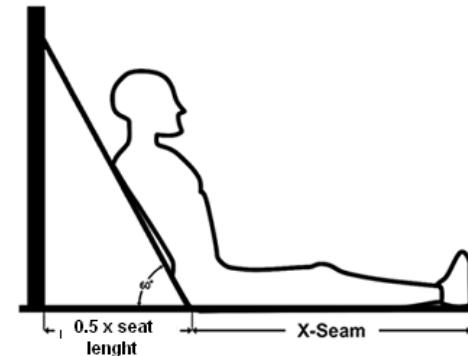


## X-Seam dimensions (inch)

Min/max leg length for HP VELOTECHNIK recumbent riders.

All dimensions are guiding values. To determine individual dimension it is necessary to measure and test ride.

Using a front boom for Shimano STEPS system the minimum leg length is increased by 0,4 in and the adjustment range is decreased by 0,4 in. Does not apply for Delta tx.



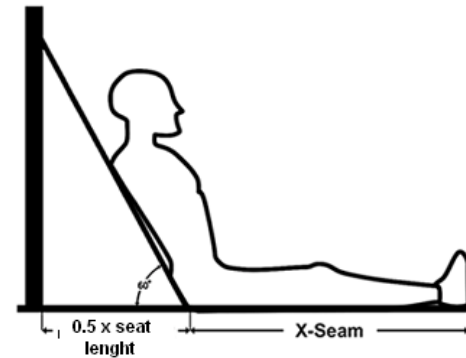
	X-Seam standard [inch]		X-Seam with short crank, - 0,6 inch (except GES) [inch]		X-Seam with BodyLink-seat for small riders, - 1,5 inch [inch]		X-Seam with short crank and BodyLink seat for small riders [inch]		X-seam in total [inch]		adjustment range [inch]
	min	max	min	max	min	max	min	max	min	max	
<b>SCO2</b>	36.2	48.8	35.6	48.2	34.6	47.2	34	46.6	34	48.8	14.8
<b>SCF2</b>	35	47.2	34.4	46.6	33.5	45.7	32.9	45.1	32.9	47.2	14.3
<b>SFS, SFL</b>	36	49	35.5	48	35	47	34	46	34	48	14
<b>SFE</b>	36	49	35.5	48	-	-	-	-	35.5	48	12.5
<b>SFN</b>	36	49	-	-	35	47	-	-	35	48	13
<b>SPS</b>	35.4	47.6	34.8	47.0	33.9	46.1	33.3	45.5	33.3	47.6	14.3
<b>SPL</b>	35.4	47.6	34.8	47.0	33.9	46.1	33.3	45.5	33.3	47.6	14.3
<b>GHF</b>	37	49.4	36.4	48.8	35.4	47.8	34.8	47.2	34.8	49.4	14.6
<b>SMGT<sub>e</sub></b>	35.8	48	35.2	47.4	34.3	46.5	33.7	45.9	33.7	48.0	14.3
<b>SPM, SPE</b> (Standard front boom shortened by 3,1 inch)	36.6	45.7	36	45.1	35.0	44.1	34.4	43.6	34.4	45.7	11.3
Unshortened front boom	36.6	48.8	36	48.2	35.0	47.2	34.4	46.7	34.4	48.8	14.4
<b>GEF/GEL</b>	37.8	50.4	37.2	49.8	-	-	-	-	37.2	50.4	13.2
<b>GEN</b>	35.4	49.6	-	-	-	-	-	-	35.4	49.6	14.2
<b>GES</b> (standard 5,3 inch; short crank 4,5 inch)	25.2	41.9	24.4	41.1	-	-	-	-	24.4	42.7	18.3
long crank 6,1 inch	26	42.7	-	-	-	-	-	-			
<b>DET</b> (standard 61 inch, short crank 53/55 inch)	31.5	45.7	30.9	45.1					30.9	45.7	14.8

## X-Seam dimensions (centimeter)

Min / max leg length for HP Velotechnik recumbent riders.

All dimensions are guiding values. To determine individual dimension it is necessary to measure and test ride.

Using a front boom for Shimano STEPS system the minimum leg length is increased by 10 mm and the adjustment range is decreased by 10 mm. Does not apply for Delta tx.



	X-Seam standard [cm]		X-Seam with short crank, -1,5 cm (except GES) [cm]		X-Seam with BodyLink seat for small riders, - 4cm [cm]		X-Seam with short crank + BodyLink seat for small riders [cm]		X-seam in total [cm]		adjustment range [cm]
	min	max	min	max	min	max	min	max	min	max	
<b>SCO</b>	92	124	90,5	122,5	88	120	86,5	118,5	86,5	124	37,5
<b>SCF2</b>	89	120	87,5	118,5	85	116	83,5	114,5	83,5	120	36,5
<b>SFS, SFL</b>	92	123	90	121	88	119	86	118	86	123	37
<b>SFE</b>	92	123	90	121	-	-	-	-	90	123	33
<b>SFN</b>	92	123	-	-	88	119	-	-	88	123	35
<b>SPS</b>	90	121	88,5	119,5	86	117	84,5	115,5	84,5	121	36,5
<b>SPL</b>	90	121	88,5	119,5	86	117	84,5	115,5	84,5	121	36,5
<b>GHF</b>	94	125,5	92,5	124	90	121,5	88,5	120	88,5	125,5	37
<b>SMGT<sub>e</sub></b>	91	122	89,5	120,5	87	118	85,5	116,5	85,5	122	36,5
<b>SPM, SPE</b> (Standard front boom shortened by 8 cm)	93	116	91,5	114,5	89	112	87,5	110,5	87,5	116	28,5
Unshortened front boom	93	124	91,5	122,5	89	120	87,5	118,5	87,5	124	36,5
<b>GEN</b>	90	126	-	-	-	-	-	-	90	126	36
<b>GEK/GEF/GEL</b>	96	128	94,5	126,5	-	-	-	-	94,5	128	33,5
<b>GES</b> (standard 13,5cm; short crank 11,5cm)	64	106,5	62,0	104,5	-	-	-	-	62,0	108,5	46,5
(long crank 15,5cm)	66	108,5	-	-	-	-	-	-	-	-	-
<b>DET</b> (standard 155mm, short crank 135/140 mm)	80	116	78,5	114,5	-	-	-	-	78,5	116	37,5