Bike fitting (left side)

EDDO Biomechanics 6.11 NS Version 6.11 -BETA- | *Powered by STT SYSTEMS*

FULL NAME	REPORT DATE	STUDY PERFORMED BY:
Cycling and Bike Fitting, Samples	**22/5/2018**	
ANALYSIS PROTOCOL **Bike fitting (left side)**	BIKE	

3D Motion Capture: Technical details

RECORDING DATE	DATA SAMPLING RATE	RECORDING TIME	AVG CADENCE
2018-05-22	120 Hz (frames/sec.)	15 sec.	50 rpm

	Min		Max
FEET & ANKLES			
Foot Rotation	**7 °**		**8 °**
Ankle Flex / Ext	**87 °**		**99 °**
Ankle Flex / Ext at 0°		**88 °**	
Ankle Flex / Ext at 90°		**90 °**	
Ankle Flex / Ext at 180°		**96 °**	
Ankle Flex / Ext at 270°		**96 °**	
Trochanter to Ankle Lateral Offset	**52 °**		**59 °**
Crank at Max Ankle Flex Ext		**241 mm**	
Crank at Min Ankle Flex Ext		**35 mm**	
KNEES			
Knee Flex / Ext	**76 °**		**149 °**
Knee Lateral Oscillation		**13 mm**	
Knee to M5 Lateral Offset	**28 mm**		**43 mm**
Trochanter to Knee Lateral Offset	**5 mm**		**20 mm**
KOPS Distance		**-83 mm**	
HIPS			
Hips Height Difference		**-**	
Hip Flex / Ext	**88 °**		**134 °**
Hip Vercial Oscillation		**65 mm**	
Mean Trochanter-M5 Lateral Distance		**-15 mm**	

PELVIS ROTATION	Min	Avg	Max
Pelvis Rotation	**-**	**-**	**-**

PELVIS	Avg
Vertical Swing	**65 mm**
Fore-Aft swing	**27 mm**
Hip Setback	**75 °**

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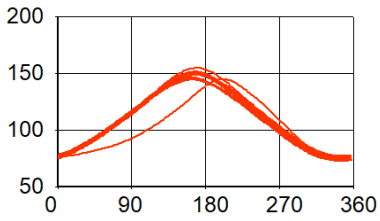
BACK & UPPER BODY			
Shoulder Flex/Ext		**64 °**	
Shoulder Height Difference		**-4 mm**	
Elbow Flexion		**152 °**	
Forearm Tilt		**48 °**	
Hip-Shoulder-Wrist	**73°**		**76 °**
Hip-Shoulder-Elbow	**60 °**		**60 °**
Wrist-Shoulder Lateral Oscillation		**15 mm**	
Wrist-Elbow Lateral Oscillation		**20 mm**	
Arm vs sagittal Plane	**6 °**		**11 °**
Trunk Inclination (GT-Shoulder)	**44 °**		**47 °**
Knee-Trochanter-Shoulder	**61 °**		**108 °**
Hip-Wrist Distance		**629 mm**	
Hip-Wrist Vertical Distance		**48 mm**	
Hip-Wrist Horizontal Distance		**626 mm**	

BACK & UPPER BODY	**Avg**
Lumbar Tilt	**-**
Trunk Inclination	**42 °**
Shoulder For/Back	**-**

ANTHROPOMETRY	
Trochanter-Knee	**391 mm**
Knee-Ankle	**457 mm**
Shoulder-Elbow	**249 mm**
Elbow-Wrist	**270 mm**
Sacrum-Neck	**1155 mm**

Knee Flexion & Extension



Knee Trajectories (Front View)