

DIALOS SHORTS 2014-04-30 11:14 BIKE FIT STUDIO BIKE FIT STUDIO by Life-Cycle Ltd.

RIDER

John Shortt Age: 57 Male john.shortt@cycle.ie

BIKE

MAKE/MODEL: BMC, Road Racer SL02 SIZE: 54 YEAR: 2012 TYPE: Road

SUMMARY OF SESSION

SITE

Bike Fit Studio Ballyboughal Industrial Premises Ballyboughal Dublin, Leinster IRL Ireland +353 1 843 3712 www.bikefitstudio.ie

FITTER

Administrator Admin

ASSESSMENT REPORT

NOTES			
GOALS			
INJURIES			
STANDING POSTURE			
Lateral Posture	Neutral	Rotated Left	Rotated Right
	Notes:	Rotated Left	Rotated Right
Frontal Posture	Neutral Notes:	Sway Back	Flat Back
STANDING FOOT TYPE			
Arch	Low Notes:	Medium	High
Rear Foot	Neutral Notes:	Pronated	Supinated
WALKING			
	Neutral Notes:	Externally Rotated	Internally Rotated
FORWARD BEND			
Flexibility	Excellent Notes:	Adequate	Compromised
Symmetry	Neutral Notes:	Rotated Right	Rotated Left
SQUAT			
Stability	Excellent Notes:	Adequate	Compromised
Knee Alignment	Neutral Notes:	Valgus	Varus
LEFT LEG SQUAT			
Stability	Excellent Notes:	Adequate	Compromised
Knee Alignment	Neutral Notes:	Valgus	Varus
Foot Arch Stability	Neutral Notes:		Collapsed
RIGHT LEG SQUAT			
Stability	Excellent Notes:	Adequate	Compromised
Knee Alignment	Neutral Notes:	Valgus	Varus
Foot Arch Stability	Neutral Notes:		Collapsed
SHOULDER MOBILITY			
	Excellent Notes:	Adequate	Compromised
LEG LENGTH			
	No Discrepancy Notes: 5mm max	Left Leg Longer	Right Leg Longer
LEFT HAMSTRING FLEX	IBILITY		
	Excellent Notes:	Adequate	Compromised
RIGHT HAMSTRING FLE	XIBILITY		
	Excellent Notes:	Adequate	Compromised
LEFT HIP BOM			

Left Hip Flexion	Excellent	Adequate	Compromised
	Notes:		
Left Hip Internal Rotation	Excellent	Adequate	Compromised
	Notes:		
Left Hip External Rotation	Excellent	Adequate	Compromised
	Notes:		
RIGHT HIP ROM			
Right Hip Flexion	Excellent	Adaquete	Compromised
	Notes:	Adequate	Compromised
	notes.		
Right Hip Internal Rotation	Excellent	Adequate	Compromised
	Notes:		
Right Hip External Rotation	Excellent	Adequate	Compromised
	Notes:		
LEFT HIP STRENGTH			
	Excellent	Adequate	Compromised
	Notes:		
RIGHT HIP STRENGTH			
	Excellent	Adequate	Compromised
	Notes:		

ZIN REPORT: FINAL ZIN

2012, 54 - BMC, Road Racer SL02 (Road)

Notes:

COMPONEN	ITS						
STEM	SPACER STACK	CRANK LENGTH	PEDALS	SADDLE	BARS	SHOES	
-6 ° x 100 mm	25 mm	172.5 mm	look,keo	fizik,antares	scor mk2,	shimano,	
MEASUREMEN	TS & ANGLES						
TI	Saddle Height: 707 r BB to center of saddle pro				r Reach: 506 mm horiz to bar top		
			T	cen of saddl	Handlebar Drop: -59 mm cen of saddle profile to bar top grip, – denotes bar below saddle		
Ţź	• · · · · · · · · · · · · · · · · · · ·	mm ddle grip, — denotes saddle			h: 674 mm horiz to front end o	fgrip	
	behind BB	behind BB			- Grip Drop: -43 mm cen of saddle to front end of grip, – denotes grip low -		
	Saddle Angle: 0 ° angle of saddle to horizo	n grip, — denotes nose down		Bar Reach center of bar	n: 70 mm rto back end of grip		
	Eff. Seat Tube Angle BB to center of saddle pr		H	Grip Width grip center to			
×,	Grip Angle: 17 ° angle to horizon + denot	ies front end up	- H	BB to Grip BB to front en	Reach: 630 mm nd ofgrip		
-17	Frame Stack: 545 m	m		Handlebar	r Stack: 613 mm		
	Frame Reach: 387 m BB to center of headtube			Handlebar BB to center	r Reach: 463 mm ofbar		

FIT REPORT: FINAL FIT

BMC, Road Racer SL02

Power: Unknown Watts

Left Notes: saddle

Right Notes: saddle FIT ANGLES L R L R 78 ° 76 ° 109° 115° Ankle Angle Min Knee Angle Flexion 96° Ankle Angle Max 85° 34 ° **Knee Angle** 39° Extension 18° Ankle Angle Range 9° 75° 77° Knee Angle Range 59 ° 62° **Hip Angle Closed** 111° 111 ° 43° Hip Angle Open **Back From Level** 45° 48 ° Hip Angle Range 52° 87° Hip-Shoulder-87° 78 ° Hip-Shoulder-71 ° Wrist Elbow 156° 141° -38 ° -27 ° Elbow Angle Forearm From Level FIT ALIGNMENT R L R L -5 mm Knee to Foot -5 mm -14 mm Knee to Foot -32 mm Forward Lateral Shuolder to Wrist 57 mm 3 mm Hip to Foot Lateral -14 mm 44 mm Lateral FIT MOVEMENT L R R L -8 ° -11 ° Foot Float Angle Min -26 ° Foot from Level -23° Mean -10° Foot Float Angle -7° Mean -10° Foot Float Angle -6 ° Max 4 ° Knee Travel Tilt 2° 33 mm Knee Lateral Travel 16 mm 63 mm Hip Vertical Travel 61 mm 16 mm Hip Lateral Travel 21 mm

WORKLOAD				ANTHROPOMETRI	CS		
	L		R		L		R
	101	Cadence Mean	102		424 mm	Thigh Length	410 mm
	116 Cadence Maximum	116	Ĩ	388 mm	Shin Length	390 mm	
					-110 mm I	Hip—Wrist Vertica	al -85 mm
					728 mm H	lip—Wrist Forwa	d 723 mm
					53 mm	Hip—Elbow Vertical	38 mm
					520 mm	Hip—Elbow Forward	488 mm

MARKER PATH

Note: Marker paths viewed from the front will be on the opposite side of the report. The paths representing the right side of the body will be shown on the left and vice versa.



VIEWS



AFTER ADJUST





BICYCLE MEASUREMENT DEFINITIONS

KEY	DESCRIPTION/DEFINITION	KEY	DESCRIPTION/DEFINITION				
Common Bike Definitions (used on all reports)							
	<u>Frame Stack and Reach</u> The horizontal and vertical distance from the center of the bottom bracket to the center of the top of the headtube.		Handlebar Stack & Reach The horizontal and vertical distance from the center of the bottom bracket to the center of the handlebar.				
	Handlebar Reach The horizontal distance from the front tip of the saddle to the center of the handlebar. Handlebar Drop The vertical distance from the center point of the saddle profile to the top of the handlebar. A negative value signifies the handlebar being lower than the saddle.		Effective Seat Tube Angle The angle between horizontal and the saddle height axis defined in saddle height.				
	<u>Saddle Height</u> The distance from the center of the bottom bracket to the horizontal midpoint of the saddle profile.		Saddle Setback The horizontal distance from the front tip of the saddle to the center of the bottom bracket. A negative value signifies the saddle being rearward of the bottom bracket.				
	Saddle Angle The angle between horizontal and the line tangent to the top of the saddle. A negative value signifies the nose of the saddle being lower than the rear of the saddle.						
	Road Bike Definitions (used on road reports	5]				
	<u>BB</u> to Grip Reach The horizontal distance from the center of the bottom bracket to the frontmost point of the grip.		Grip Reach The horizontal distance from the front tip of the saddle to the frontmost point of the grip. Grip Drop The vertical distance from the center point of the saddle profile to the frontmost point of the grip. A negative value signifies the grip being lower than the saddle.				
×,	Grip Angle The angle between horizontal and the best fit line to the traced grip contour. A positive value signifies the front of the grip being higher than the rear.		Bar Reach The horizontal distance from the top of the handlebar to the rearmost point of the grip.				

RETÜL

June 2013





BICYCLE MEASUREMENT DEFINITIONS

KEY	DESCRIPTION/DEFINITION	KEY	DESCRIPTION/DEFINITION
	<u>Grip Width</u> The 3D distance between the midpoints of the grip contours if both grips traced. Otherwise, two times the distance perpendicular from the plane of the bike to the midpoint of the single traced grip contour.		
	Tri Bike Definitions (u	sed on tri/tt reports)
	<u>Arm Pad Stack BB</u> The vertical distance from the center of the bottom bracket to the top of the arm pad.		<u>Arm Pad Reach BB</u> The horizontal distance from the center of the bottom bracket to the back of the arm pad.
	BB to Grip Reach The horizontal distance from the center of the bottom bracket to the frontmost point of the grip.		Arm Pad Reach The horizontal distance from the front tip of the saddle to the back of the arm pad. Arm Pad Drop The vertical distance from the center point of the saddle profile to the top of the arm pad. A negative value signifies the arm pad being lower than the saddle.
	Grip Reach The horizontal distance from the front tip of the saddle to the frontmost point of the grip. Grip Drop The vertical distance from the center point of the saddle profile to the frontmost point of the grip. A negative value signifies the grip being lower than the saddle.		Grip Angle The angle between horizontal and the best fit line to the traced grip contour. A positive value signifies the front of the grip being higher than the rear.
	Arm Pad to Grip Reach The horizontal distance from the back of the arm pad to the frontmost point of the grip.		Arm Pad Width The 3D distance between the midpoints of the arm pad contours if both grips traced. Otherwise, two times the distance perpendicular from the plane of the bike to the midpoint of the single traced arm pad contour.
	Grip Width The 3D distance between the midpoints of the grip contours if both grips traced. Otherwise, two times the distance perpendicular from the plane of the bike to the midpoint of the single traced grip contour.		

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BICYCLE MEASUREMENT DEFINITIONS









CYCLIST MEASUREMENT DEFINITIONS



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CYCLIST MEASUREMENT DEFINITIONS





