

CHAPTER2

KOKO



# KOKO TO SOAR AND FLY

Air resistance is the single most critical factor that separates a fast bike from a bike that cuts through the air like a bird. KOKO means “to soar, fly” in Maori and as the name suggests, our Top Tier Aero Road model will have you smiling from ear to ear from the sheer thrill of unadulterated speed.

Taking the RERE's Aero credentials to the next level, the KOKO now has Kamm-Tail incorporated into the downtube, increasing the overall stiffness of the bottom bracket and headtube by 13.35% and 35.64% respectively. Married to our aerodynamically optimised and ergonomic MANA bar, the combination makes for a super sleek high-performance racing machine.



Best Design Awards  
Winner 2022





The KOKO also comes with adjustable compliance via a dual position seatclamp configuration that can be switched from stiff to buttery smooth depending on the rider's personal needs and/or road conditions.

Further engineering gains via the use of Latex Mandrels for the front triangle and T47 BB creates a super rigid platform for transferring every watt you produce into forward motion. Other small yet well-considered details such as the Quick-Fit headset spacers, up to 32mm of tire clearance, vibration dampening Seatstays and Seatpost makes for a package that ticks all the right boxes.





# FEATURES

VIBRATION  
DAMPENING  
SEATPOST

ADJUSTABLE  
COMPLIANCE

REAR WHEEL  
CUT-OUT

12 X 142MM  
THRU-AXLE

100%  
TORAY  
CARBON

T47 BB

FULL INTERNAL  
CABLE ROUTING

INTEGRATED  
FORK CROWN

FRONT WHEEL  
CUT-OUT

12 X 100MM  
THRU-AXLE



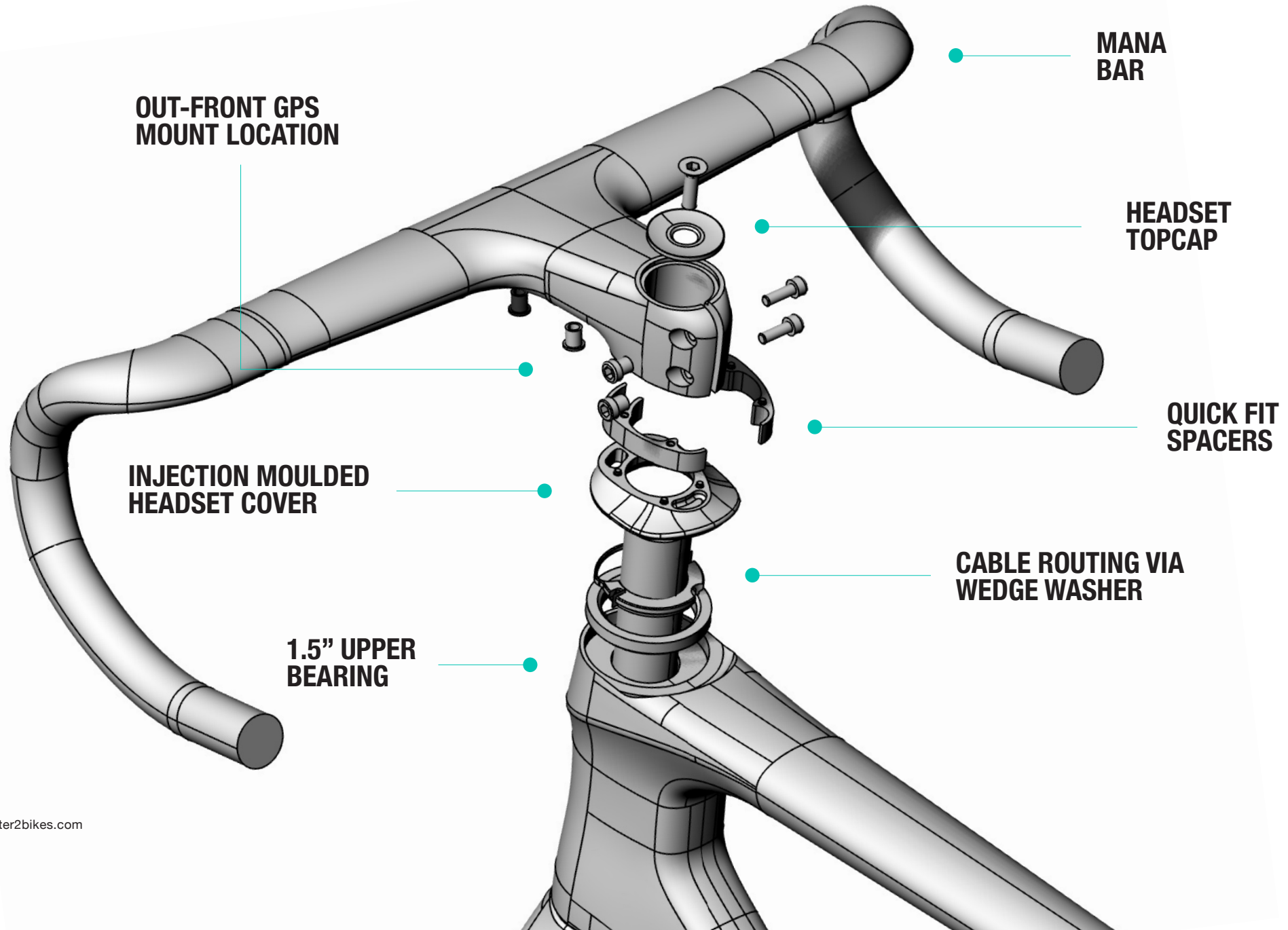


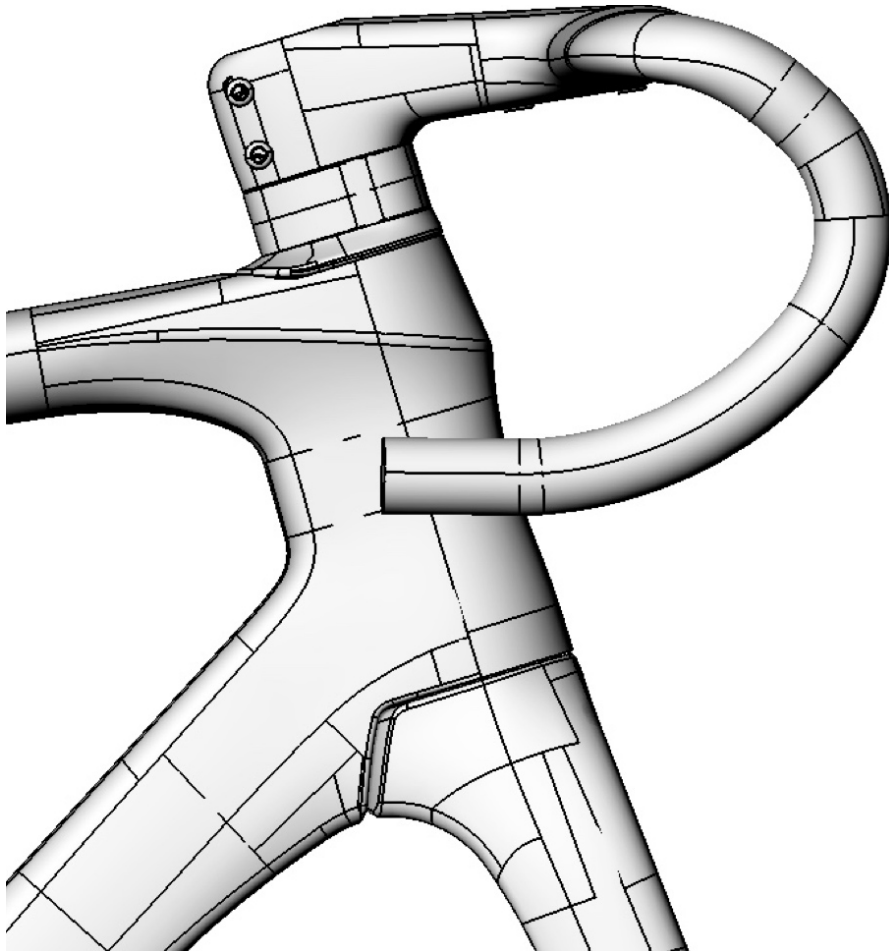
# FULLY INTEGRATED

By integrating the cabling and hydraulic hoses the KOKO presents a clean visual and aerodynamic profile. The fork crown blends with the headtube contributing to the seamless elegance.

When used with our MANA Bar the full aerodynamic benefits of the KOKO are unlocked. Plus it's practical with our system of Quick-Fit spacers permitting easy adjustment of bar height and quick disassembly should you wish to travel with your KOKO.

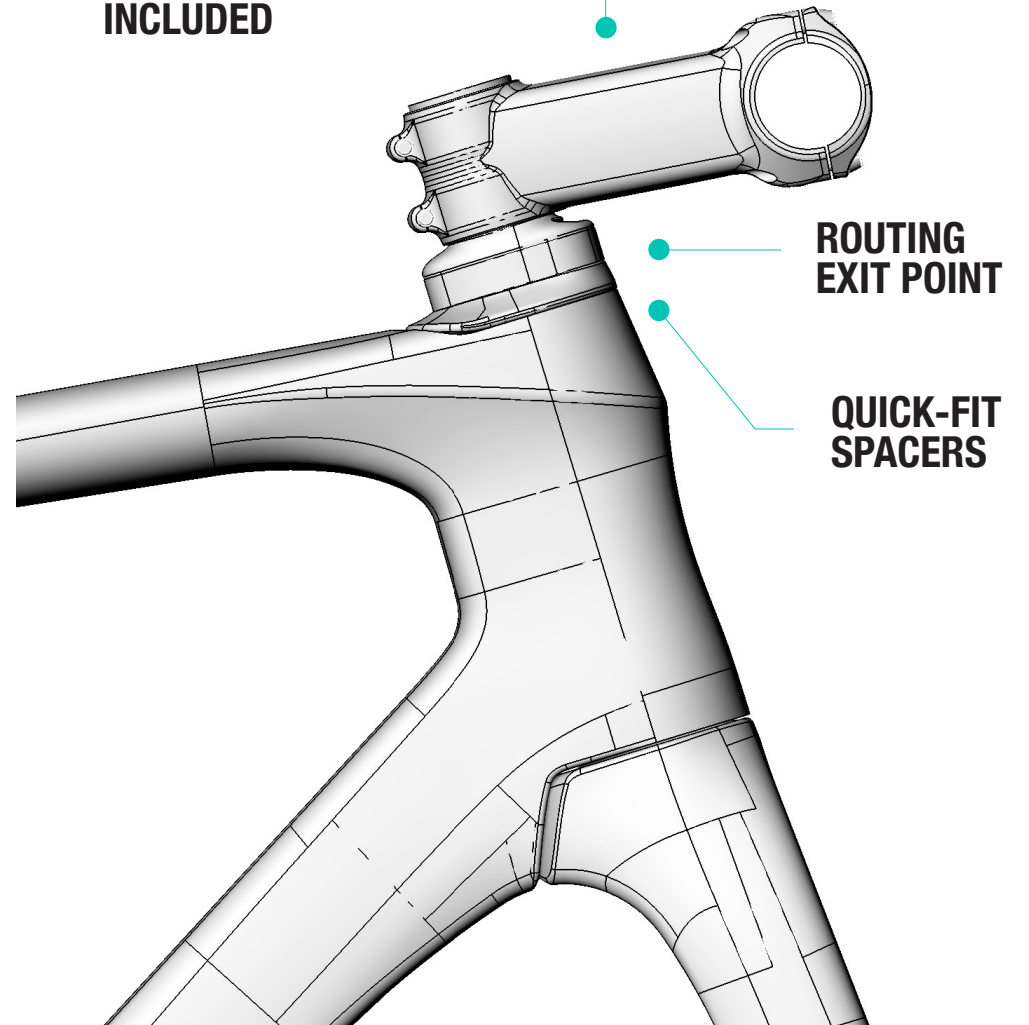






**MANA WITH FULL  
INTERNAL ROUTING**

**STEM NOT  
INCLUDED**



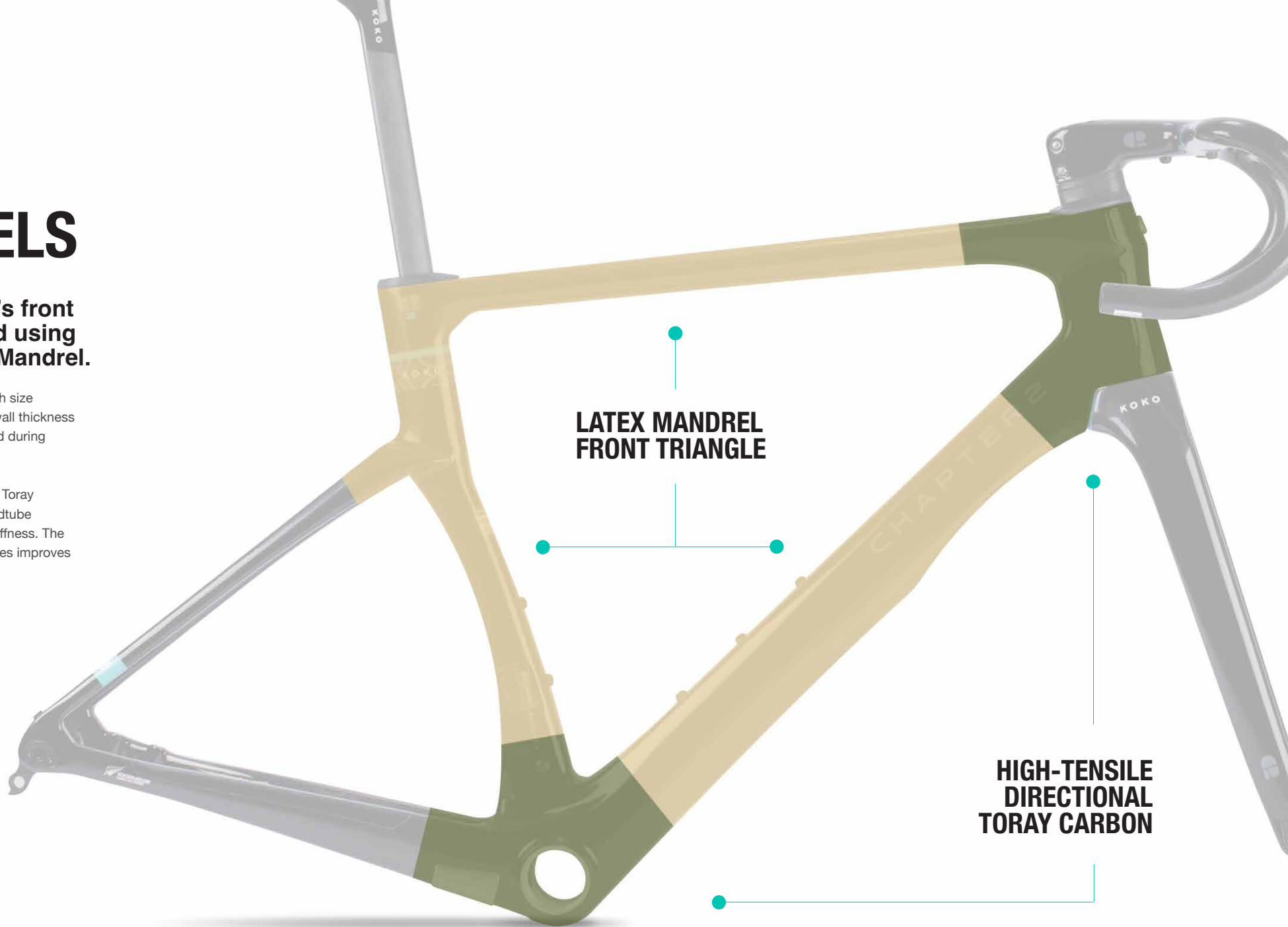
**STANDARD STEM WITH  
SEMI-INTERNAL ROUTING**

# MANDRELS

**Each KOKO frame's front triangle is moulded using a one-piece Latex Mandrel.**

The use of a Latex Mandrel for each size ensures that the pre-preg carbon wall thickness and resin flow is carefully controlled during production.

The use of High-Tensile Directional Toray Carbon in bottom bracket and headtube increases front triangle torsional stiffness. The combination of both these processes improves the frames overall performance.





SEAMLESS CABLE  
INTEGRATION



## FULLY INTEGRATED

In the never ending pursuit for drag reduction and a cleaner aesthetic, all the cables and hoses in the KOKO are hidden from the wind and sight.

The MANA one-piece cockpit has been conceptualised as an integral part of the frame and fork, creating a complete system that works seamlessly together.

# ADJUSTABLE COMPLIANCE

The KOKO's adjustable compliance allows riders to tweak the ride quality to suit their personal needs. Often simple ideas have the biggest impact on complex engineering problems. By installing the seatclamp in the lower position, the increased cantilever action of the seatpost will increase the compliance by up to 8.5% allowing the KOKO to glide over rough road surfaces and keeping you fresh when you decide to go solo.

+8.5% DEFLECTION

STANDARD COMPLIANCE

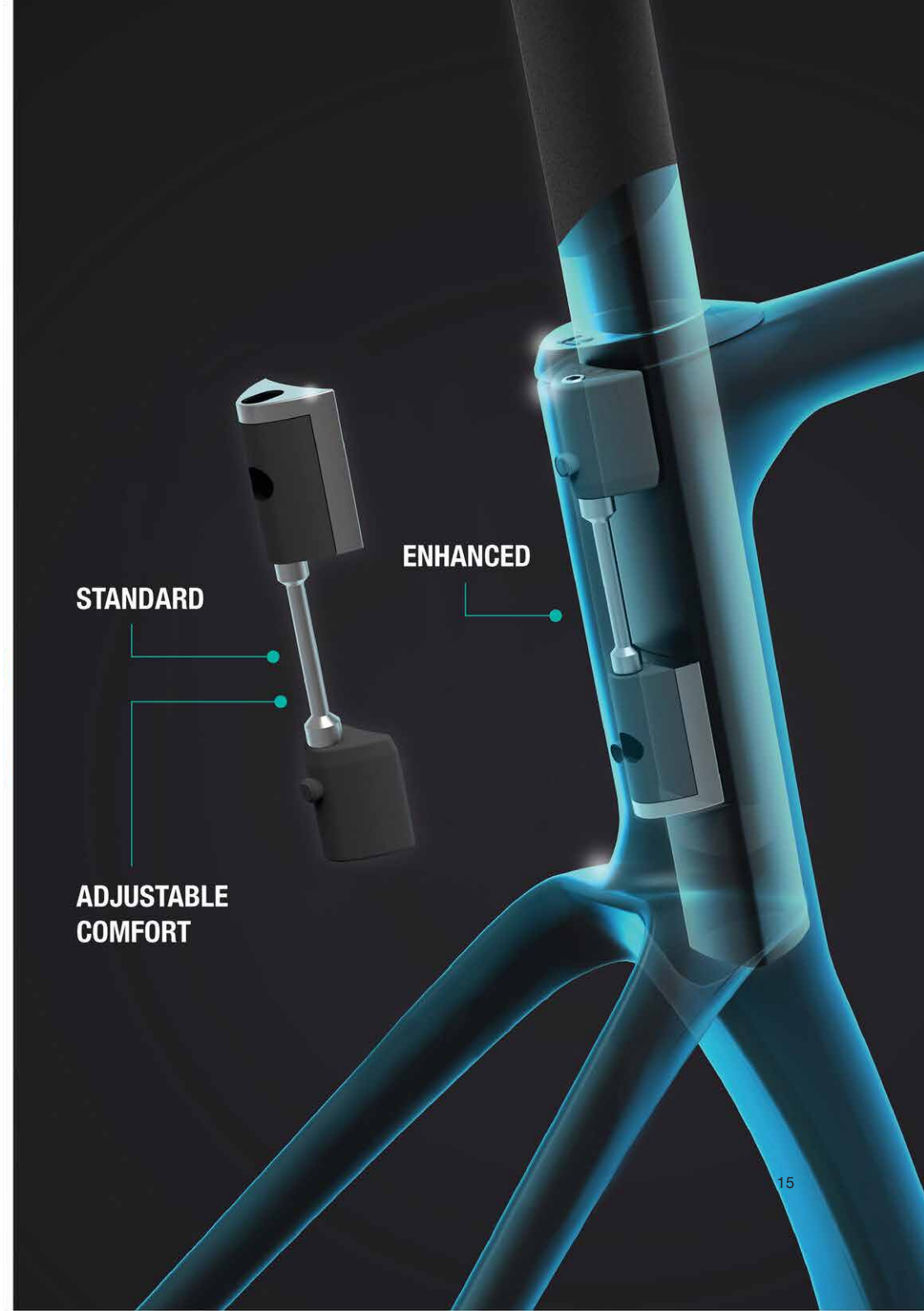
ENHANCED COMPLIANCE

DUAL SEATCLAMP POSITIONS

The KOKO is designed to have 2 levels of compliance.

**Normal Position:** With the seatclamp in position 1 (facing up), the compliance is set to Normal. In this position the KOKO will still glide over any road chatter with ease providing you with the confidence to go full gas.

**Increased Compliance:** With the seatclamp in position 2 (facing down), the comfort level is set to Optimized Compliance. In this position the KOKO will be able to handle even unsealed rough roads without missing a beat.



AERODYNAMICALLY  
EFFICIENT

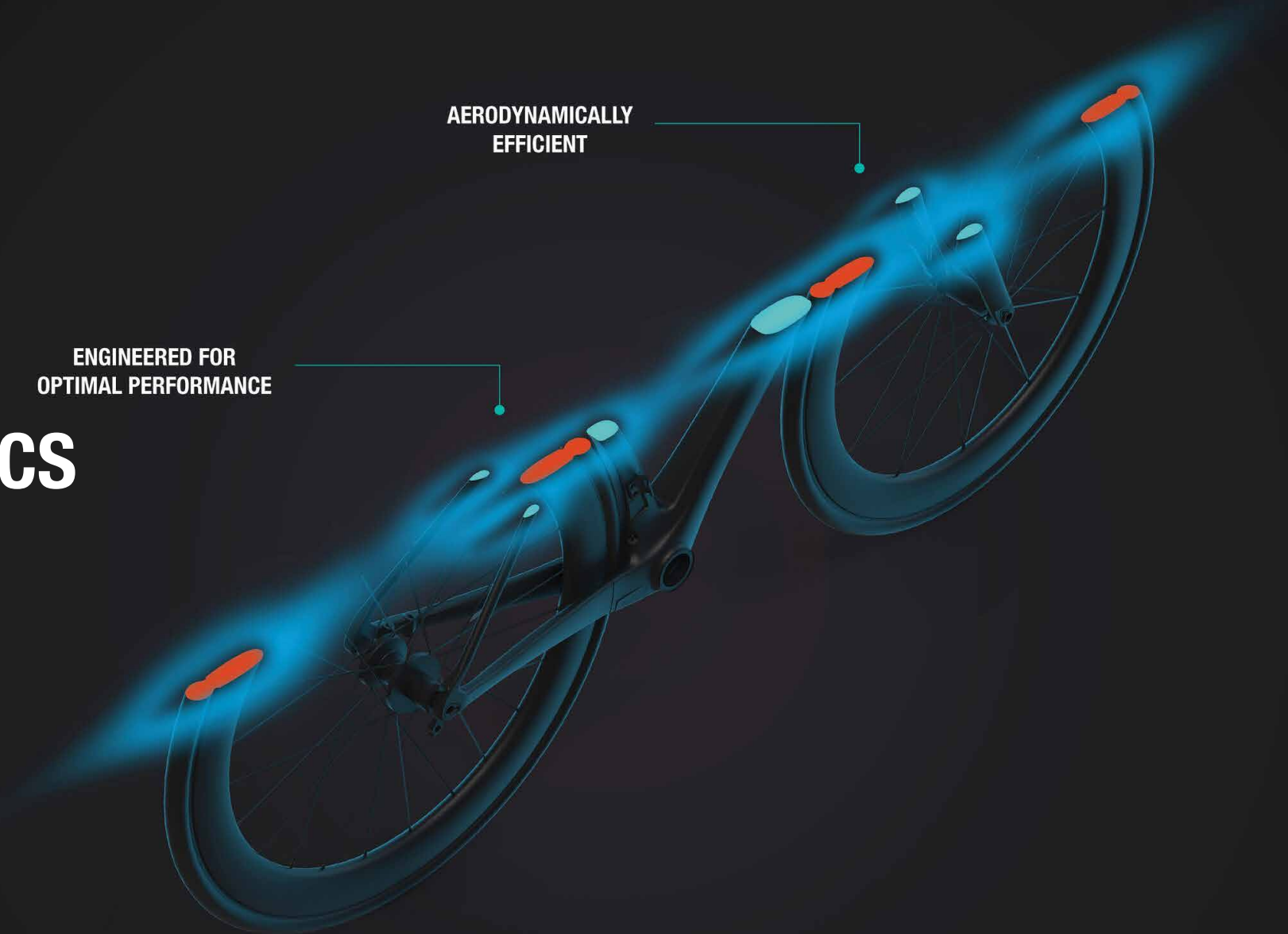
ENGINEERED FOR  
OPTIMAL PERFORMANCE

# AERODYNAMICS

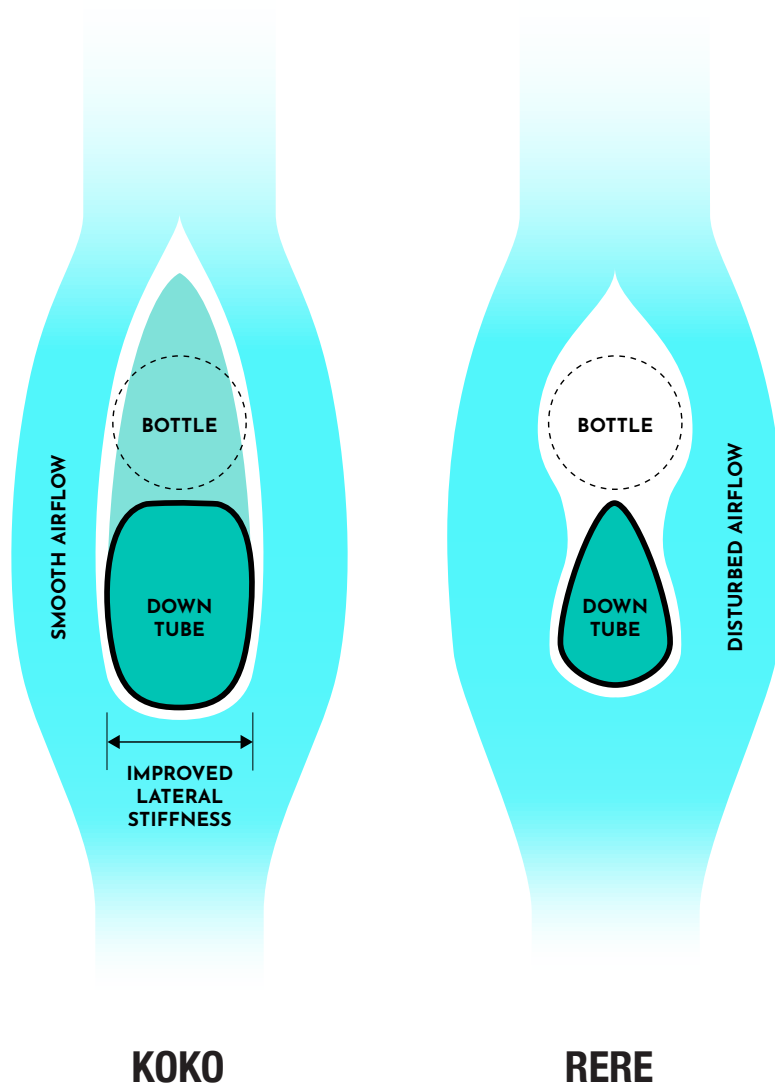
Air! The one invisible element in cycling that you're constantly fighting to punch a hole through. The KOKO uses a number of aerodynamic features to make sure you don't waste an ounce of energy slicing through the air.

The downtube has been shaped to ensure air flowing over the front wheel onto the downtube is carefully managed to reduce drag. The Kamm-Tail section adds stiffness in the fuselage connecting the key areas of the headtube and bottom bracket, to deliver great handling and power transfer.

The Kamm-Tail section seattube is wrapped around rear wheel allowing up to 32mm of tire clearance, yet tight enough to not disturb airflow across the seattube and rear wheel.







## KAMM-TAIL

First developed for the Automobile Industry by Wunibald Kamm in the 1930s, Kamm-Tail is a phenomenon where an Airfoil's tail is truncated at a sharp angle whereby the air continues to flow as if the Airfoil is still whole.

A pure Airfoil profile is long and narrow, not structurally efficient at resisting the lateral forces applied to a bicycle frame via the handlebars and pedalling action. The truncated Kamm-Tail profile offers the best of both worlds. An Aerodynamically efficient section that also provides stiffness needed to deliver great performance.

**Strikingly fast with the rolling confidence of big tyres make the KOKO feel considerably more capable than other aero road bikes...**

An impressively lightweight aero road bike with a snappy, nimble and responsive feel that provides a truly confidence-inspiring ride on all but the roughest of surfaces.

**Cycling News (Graham Cottingham)**

**For us the KOKO has been a surprise, and the aero-optimized design is one of the most balanced road bikes we have ridden.**

The bike's stability at speed keeps you pedaling hard all the time, but the short chainstays and overall length make it a weapon on the twisties. Further elevating our appreciation for the ride quality, between the room for 32mm tires and the outstanding compliance in the saddle, this race bike performed as an excellent all-day bike.

**Road Bike Action Magazine**

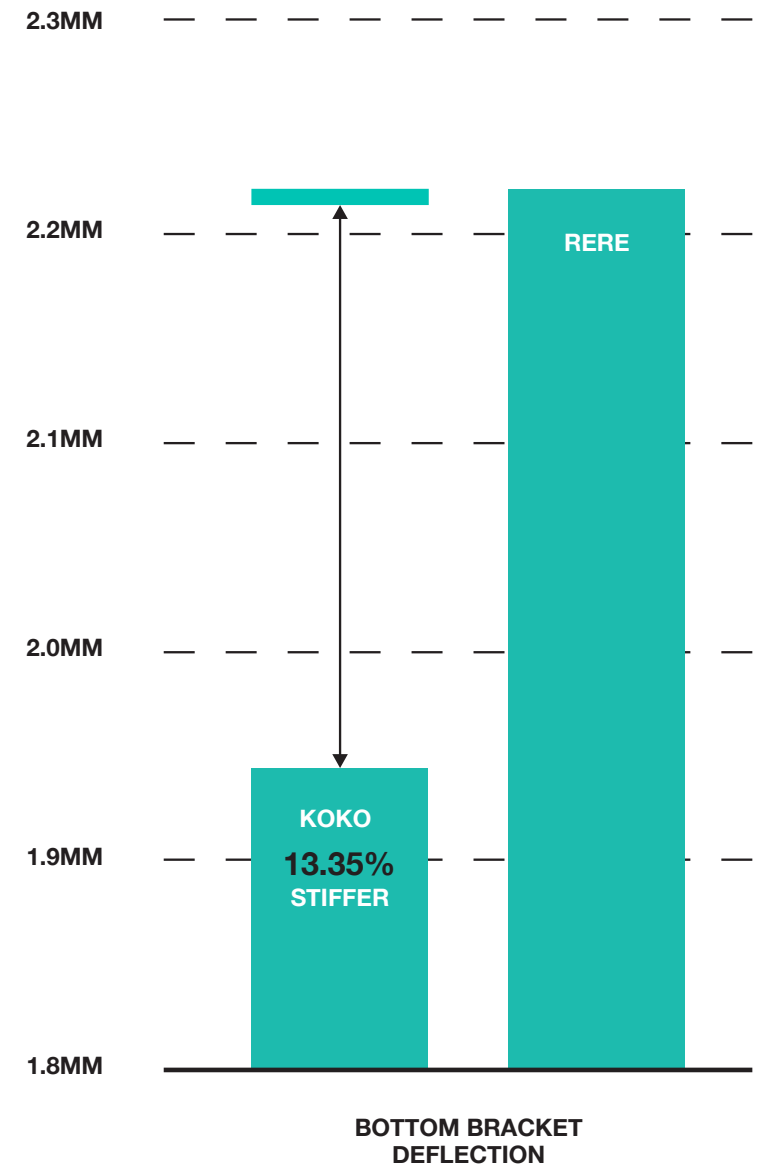
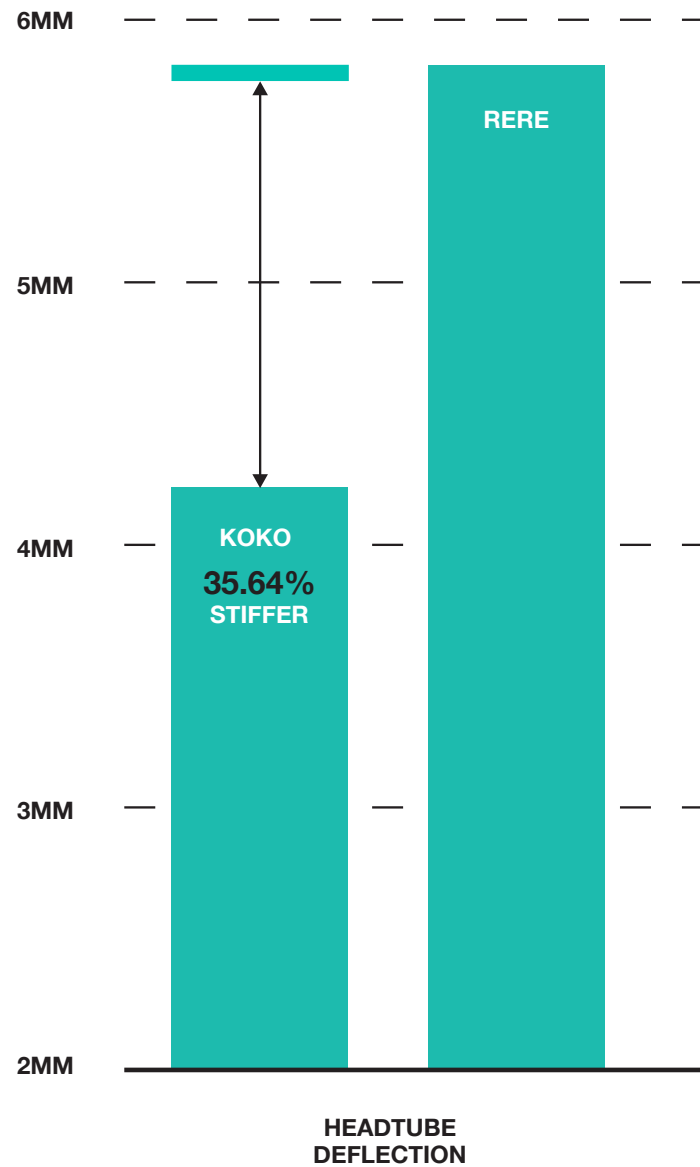
# MODEL COMPARISON



COMPARISON

# KOKO & RERE

To understand the improvements we've made when making the KOKO we compared it to the RERE. Carbon fibre lay-up in a monocoque structure is both engineering and art, balancing many aspects of design that push and pull in different directions. The Kamm-Tail profiled KOKO is an all-out aero racing chassis with just the right specification of carbon hand laid into custom stainless-steel moulds to deliver exceptional steering agility via improved headtube stiffness. Additionally, the service friendly T47BB and directional carbon in the bottom bracket makes for a super-efficient way of converting every pedal stroke into forward motion.



### AERO

- Full Integration
- Kamm-Tail Downtube
- Kamm-Tail Seattube
- Rear and Front Wheel Cut-out

### RACE

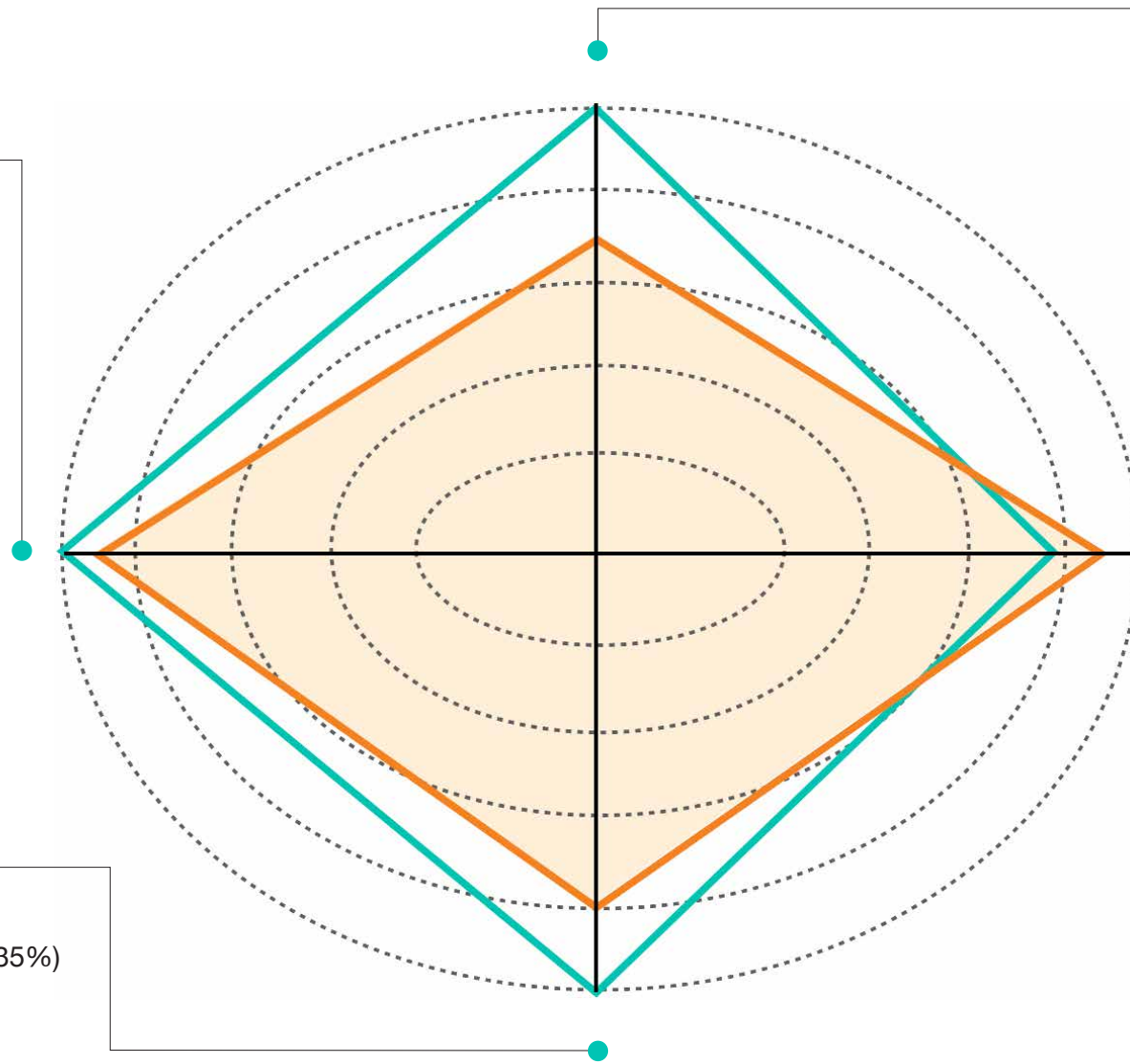
- Stiffer Headtube (+35.64%)
- Stiffer Bottom Bracket (+13.35%)
- Improved Aerodynamics

### COMPLIANCE

- Adjustable Compliance
- Increased Tire Clearance
- Compliant Seatpost

### WEIGHT

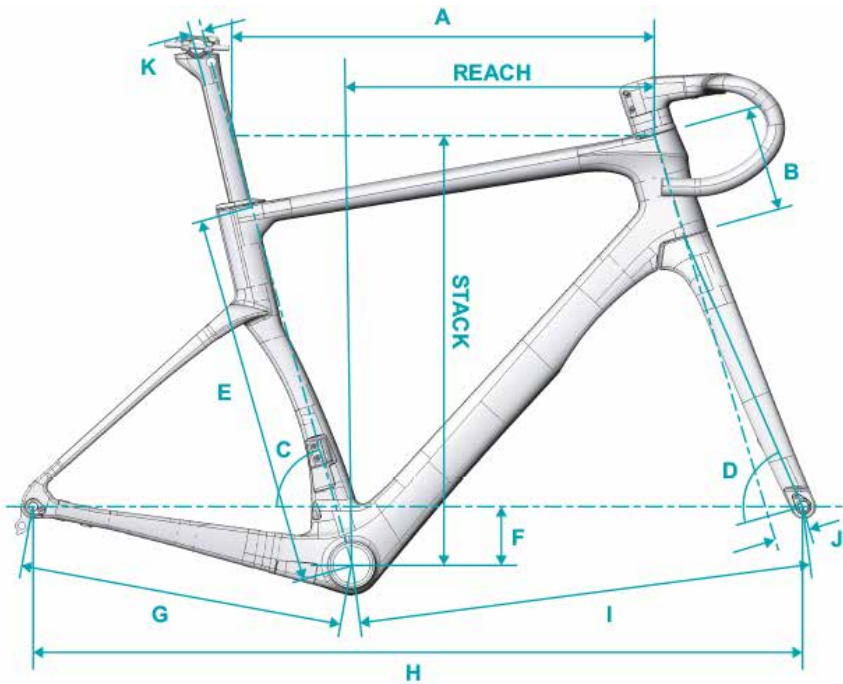
- Frame = 1,139g
- Fork = 419g
- Seatpost = 135g
- MANA = 395g



 **KOKO**     **RERE**



# GEOMETRY & SPECS



The KOKO has been designed to be consistent with other Chapter2 frames – if you ride a Medium RERE you will be a medium KOKO for example. The subtly lower stack dimension compared to the TOA will ensure that you can get into a more efficient aero position. The 73mm BB drop also ensures that your centre of gravity is low to the ground improving both control and balance at speed.

	XXS	XS	S	M	L	XL
<b>Stack</b>	466	491	516	540	566	591
<b>Reach</b>	356	365	374	382	392	401
<b>A</b>	490	515	531	548	564	581
<b>B</b>	70	94	114	133	163	188
<b>C</b>	74°	73°	73°	73°	73°	73°
<b>D</b>	70°	70.5°	72.2°	73.1°	73.5°	73.5°
<b>E</b>	425	427	447	472	497	521
<b>F</b>	73	73	73	73	73	73
<b>G</b>	408	408	408	408	408	408
<b>H</b>	957	970	973	971	984	1000
<b>I</b>	560	574	576	574	587	603
<b>J</b>	53	53	53	43	43	43
<b>K</b>	10	10	10	10	10	10
<b>Rider Height</b>	<165	160-170	165-175	170-180	175-185	>180
<b>Standover Height</b>	693	708	730	755	780	805
<b>Max. Tire Clearance</b>	32	32	32	32	32	32
<b>Rear Caliper Mount</b>	25	25	25	25	25	25

# KOKO SIZING CHART

HEIGHT/ INSEAM (FT/INCHES)	TOA	2' 2.77"	2' 3.56"	2' 4.35"	2' 5.13"	2' 5.92"	2' 6.71"	2' 7.50"	2' 8.28"	2' 9.07"	2' 9.86"	2' 10.65"	2' 11.43"	3' 0.22"	3' 1.01"
	HEIGHT/ INSEAM (CM)	68	70	72	74	76	78	80	82	84	86	88	90	92	94
6' 3.59"	192												XL	XL	XL
6' 2.80"	190												XL	XL	XL
6' 2.02"	188												XL	XL	XL
6' 1.23"	186										L	L	XL	XL	XL
6' 0.44"	184									L	L	L	L	XL	XL
5' 11.65"	182									L	L	L	L	L	
5' 10.87"	180								M	M	L	L	L	L	
5' 10.08"	178						M	M	M	M	L	L			
5' 9.29"	176						M	M	M	M					
5' 8.50"	174					S	S	M	M	M					
5' 7.72"	172				S	S	S	S							
5' 6.93"	170				S	S	S	S							
5' 6.14"	168			XS	XS	S	S								
5' 5.35"	166		XS	XS	XS	S									
5' 4.57"	164		XS	XS	XS										
5' 3.78"	162		XXS	XS	XS										
5' 2.99"	160	XXS	XXS	XXS											
5' 2.20"	158	XXS	XXS	XXS											
5' 0.63"	156	XXS	XXS												
EST. SADDLE HEIGHT		60.18	61.95	63.72	65.49	67.26	69.03	70.8	72.57	74.34	76.11	77.88	79.65	81.42	83.19



**SPECIFICATIONS**

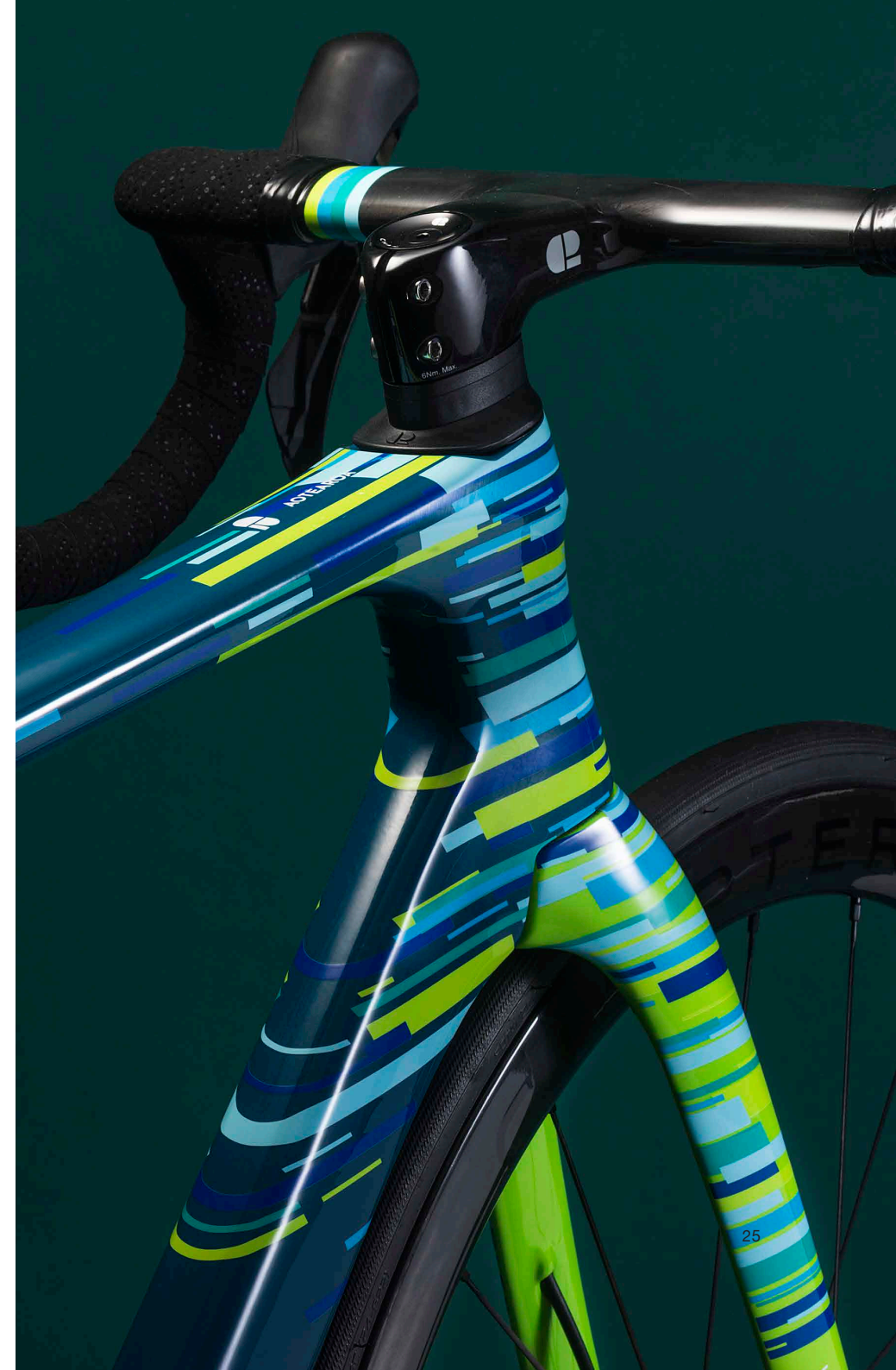
Carbon	100% Made in Japan by Toray
Frame Sizes (6)	XXS, XS, S, M, L & XL
Fork Rakes (2)	XXS, XS, S (53 offset) and M, L, XL (43 offset)
Frame Weight	1,139g Size M +/- 3%
Fork Weight	419g Uncut +/- 3%
Seatpost Weight	135g Size M +/- 3%
Handlebar/Stem (MANA)	395g (100-420mm) +/- 3%
Headset	1.5" C2 Integrated System

**COMPATIBILITY**

Gear Shifting Type	Mechanical and Electronic Shifting
Battery Type	Di2 SM-BTR-2 and EPS V3 Battery compatible
Tire Clearance	30mm (ISO) & 32mm Practical
Brake Type	Disc Only (140 or 160mm)
Bottom Bracket	INTERNAL T47 (86.5)
Electronic Shifting	SHIMANO® Di2, SRAM® eTAP & Campagnolo® EPS compatible
Thru-Axle	Flat Mount FR 12x100mm, RR 12x142mm E-Thru M12x1.5mm
FSA / Vision**	FSA ACR Stem or Vision Metron 5D Bar
Deda Elementi**	Deda Elementi Superbox Stem/Alanera Bar

**ACCREDITATION**

Safety Standard	EN ISO 4210:2014
UCI Accreditation	UCI Approved



# MANA

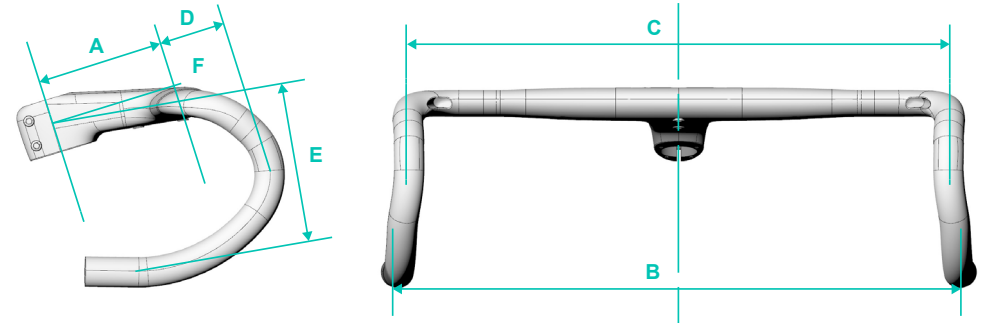
## COCKPIT SYSTEM

### SPECIFICATIONS

Carbon:	Toray® Uni-Directional Carbon
Sizes	6
Weight (g):	330g (100-420mm)
Spacers:	Carbon 2x10mm, 1x5mm & 1x5mm (Curved)
Steerer:	1-1/8"

### ACCREDITATION

Safety Standard: EN ISO 4210:2014



Size	80x380	90x391	100x402	110x413	120x424	130x435
A	80	90	100	110	120	130
B	380	391	402	413	424	435
C	360	371	382	393	404	415
D	70	70	70	70	70	70
E	110	110	110	110	110	110



# MANA BAR



**GLOSS  
BLACK  
+ AQUA**



**GLOSS UD  
+ GREY**

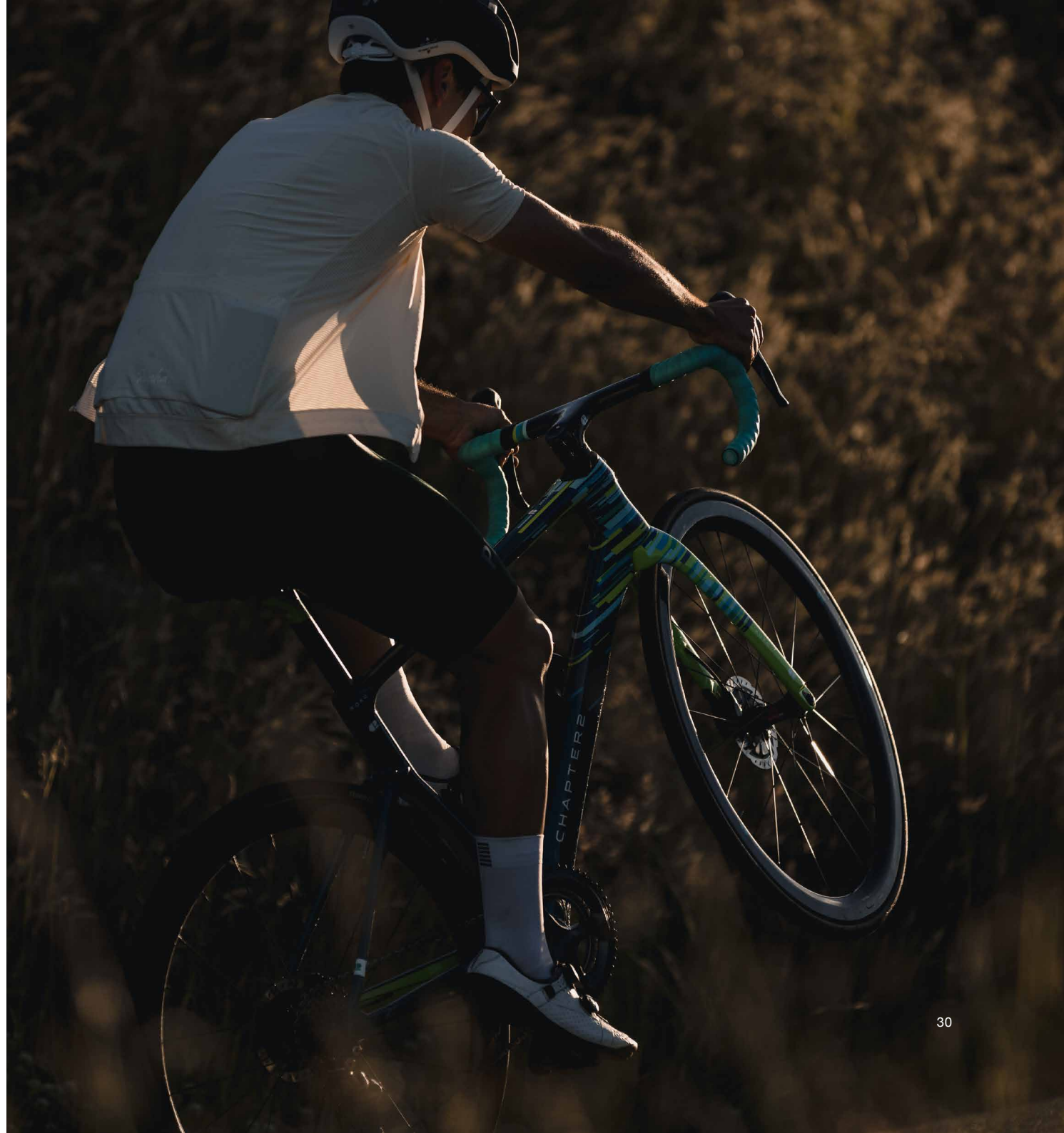


# WHAT YOU GET

- Frame
- Fork
- Seatpost
- MANA Bar
- Thru-Axles
- Headset
- Quick-fit Spacers

## ADD ONS

- 0mm Setback Seatpost
- 25mm Setback Seatpost



# COLOURWAYS

# TUHUA

GLOSS BLACK













# TE WAIHOU

COBALT + GREEN













KOKO  
www.chapter2bikes.com

# BHARMS

SPECIAL PROJECTS ARTIST EDITION













# TAURIPARIPA

WHITE + GREY







LIMITED EDITION



KOKO

CHAPTER 2

KOKO



# KOURA

BLACK + UD W/GOLD















AVAILABLE WORLDWIDE / CONTACT [INFO@CHAPTER2.CO.NZ](mailto:INFO@CHAPTER2.CO.NZ)



[WWW.CHAPTER2BIKES.COM](http://WWW.CHAPTER2BIKES.COM)

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