

 CHAPTER 2

TOA



TOA

TO BE VICTORIOUS

2-½ years in development with every detail carefully considered and meticulously executed, the TOA is the culmination of all the CHAPTER2 frames that have come before it. TOA which means “to be victorious, win” in Maori delivers an all-out, no-compromise carbon fibre race-ready frame platform designed, engineered, and manufactured to the most exacting standards.

Inspired by the TERE's Performance All-Road DNA and the AO's versatility, the TOA has all its cables/hoses tucked away from sight and the wind, creating an aerodynamically seamless transition between the MANA Bar and the TOA's Kamm-Tail chassis.



Best Design Awards
Winner 2021





CHAPTER 2

www.chapter2bikes.com

Sporting a T47 Bottom Bracket for easy maintenance, the aluminium BB Shell works in unison with the high-tensile carbon carefully laid into the BB area to increase stiffness by up to 8% over the TERE. Additionally, the use of a Latex mandrel for the whole front triangle has increased the Headtube stiffness by 34% over the TERE for that out of the saddle and power to the pedals moment.

Features such as up to 32mm of tire clearance, vibration dampening seatstays and seatpost makes for a package that ticks all the right boxes. Further enhancements can be unlocked with our optional MANA Bar which completes the TOA platform.

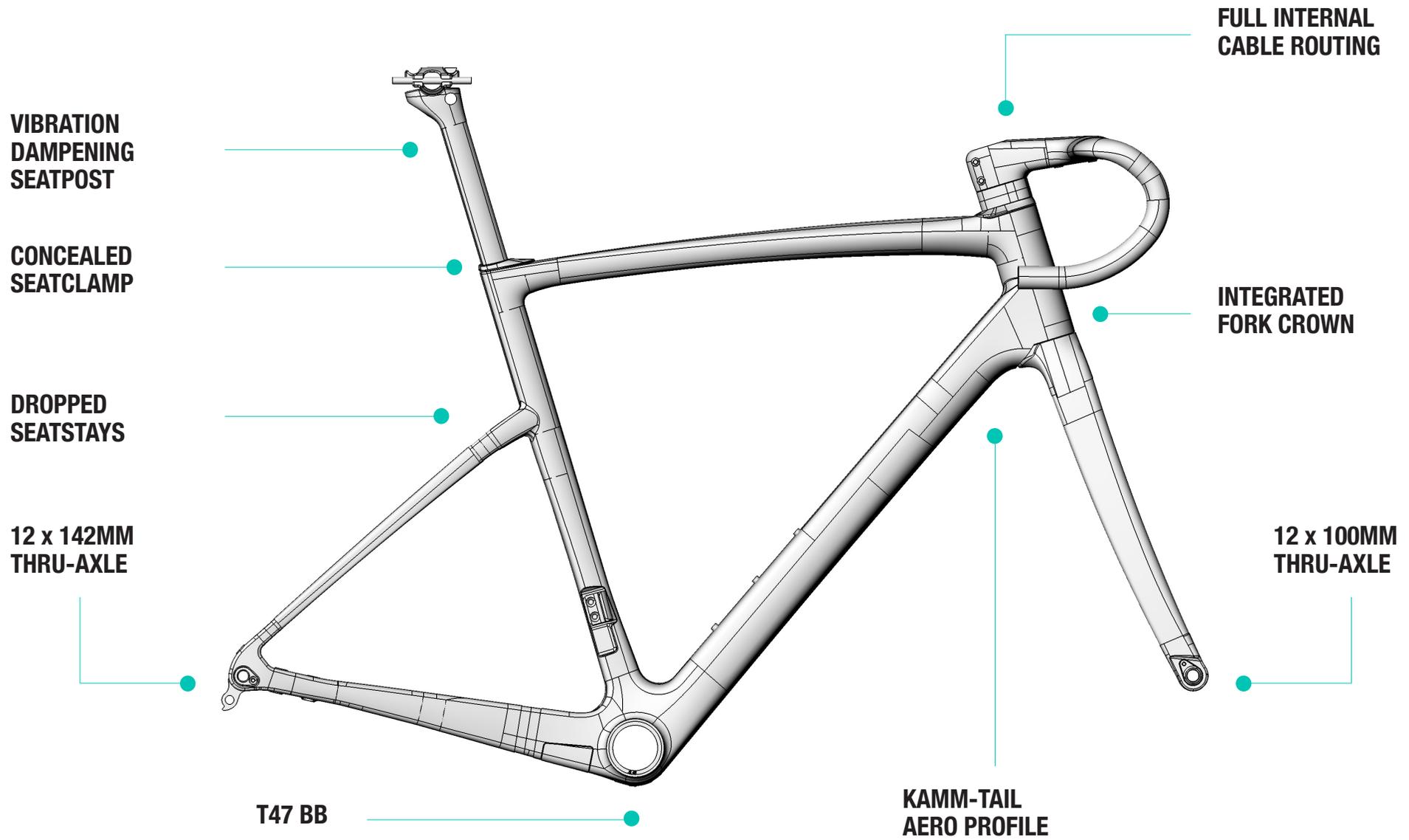
Michael

Designed in
New Zealand





FEATURES



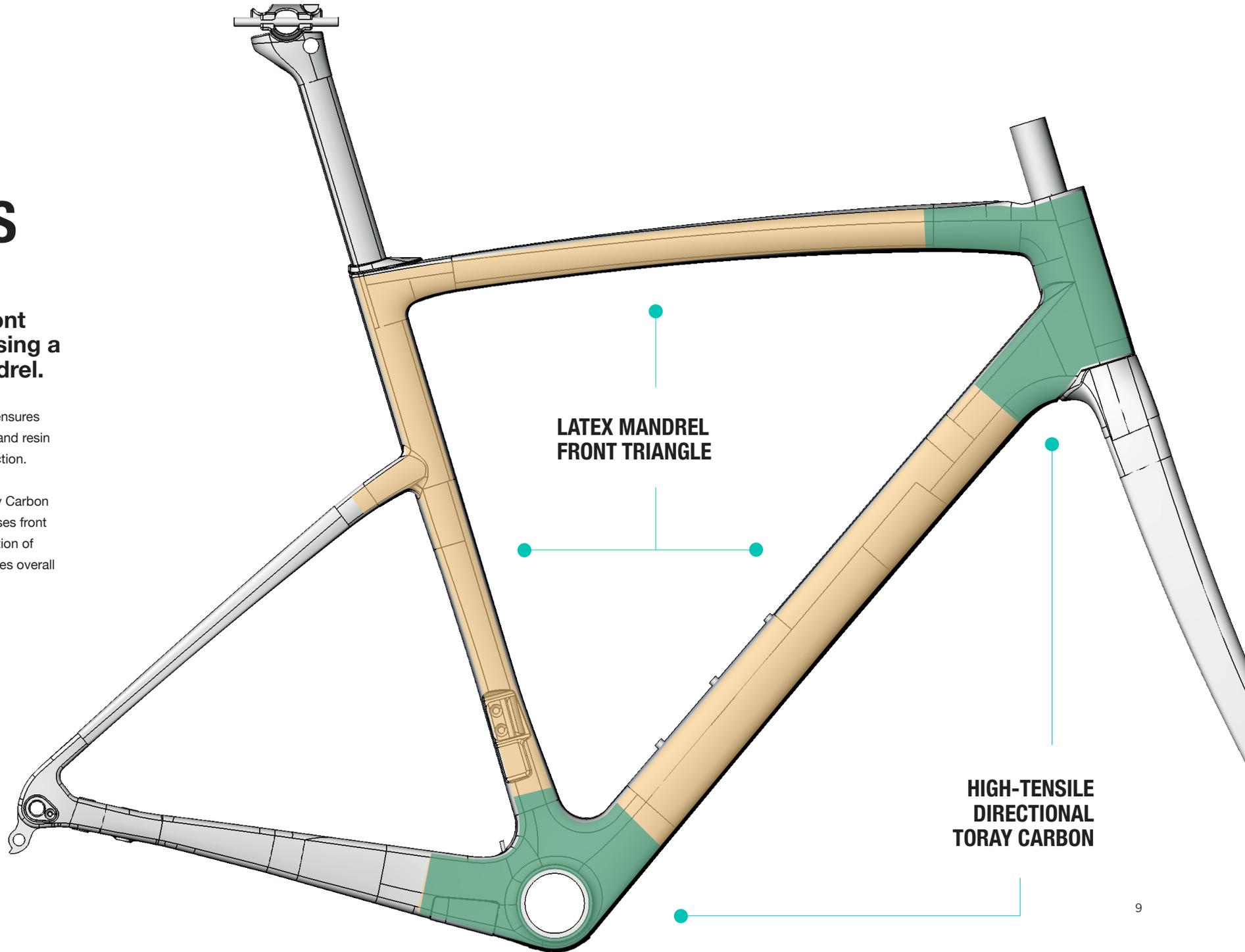


MANDRELS

Each TOA Frame's front triangle is moulded using a one-piece Latex Mandrel.

The use of 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.

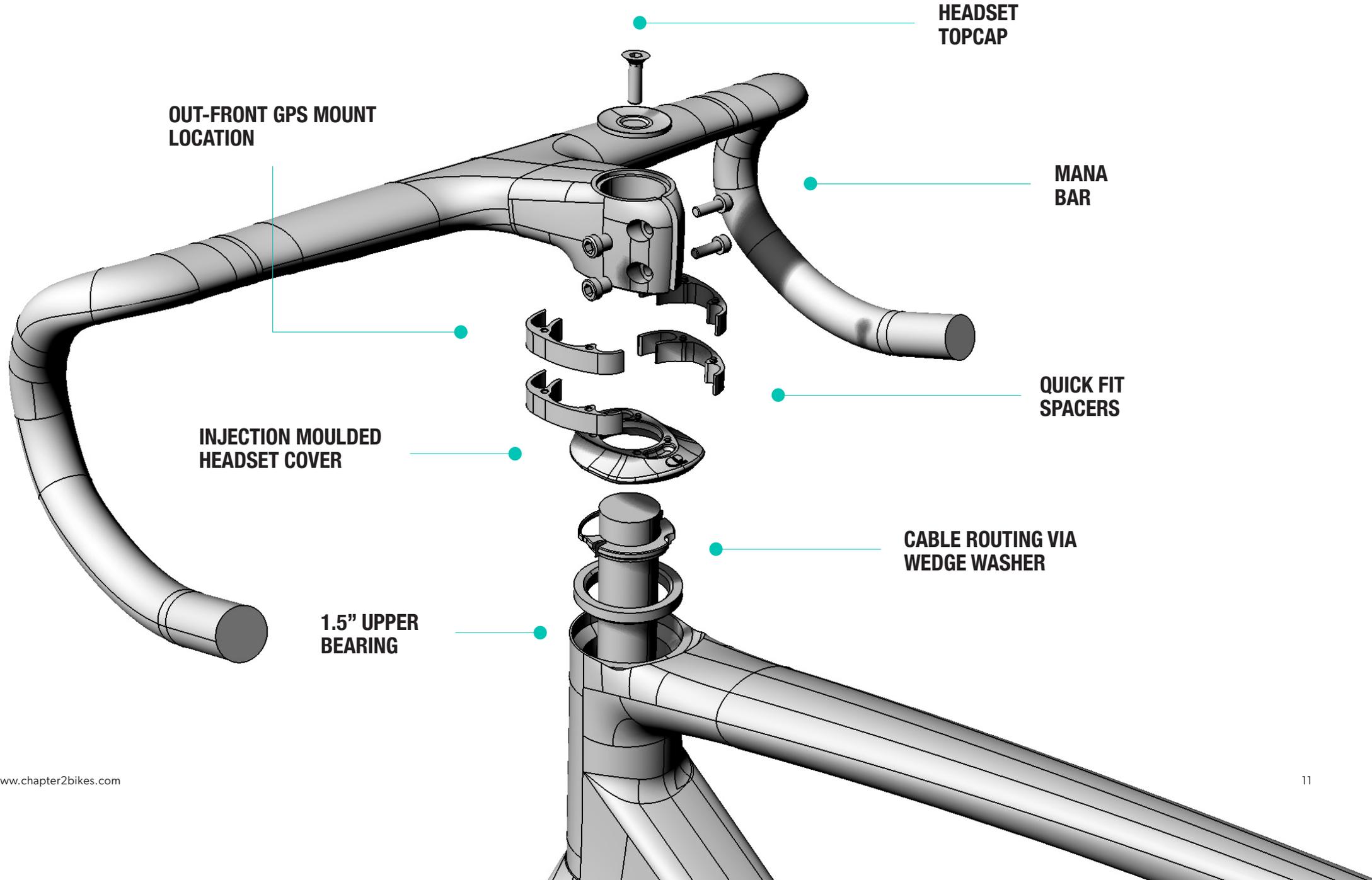


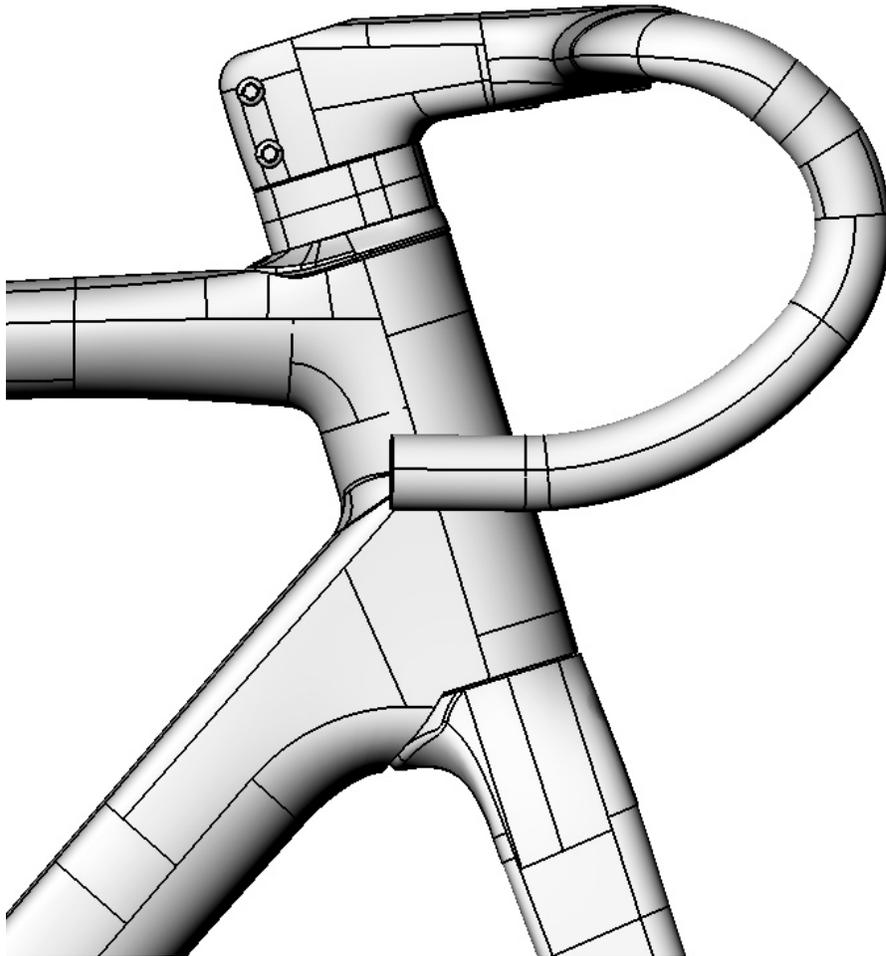


FULLY INTEGRATED

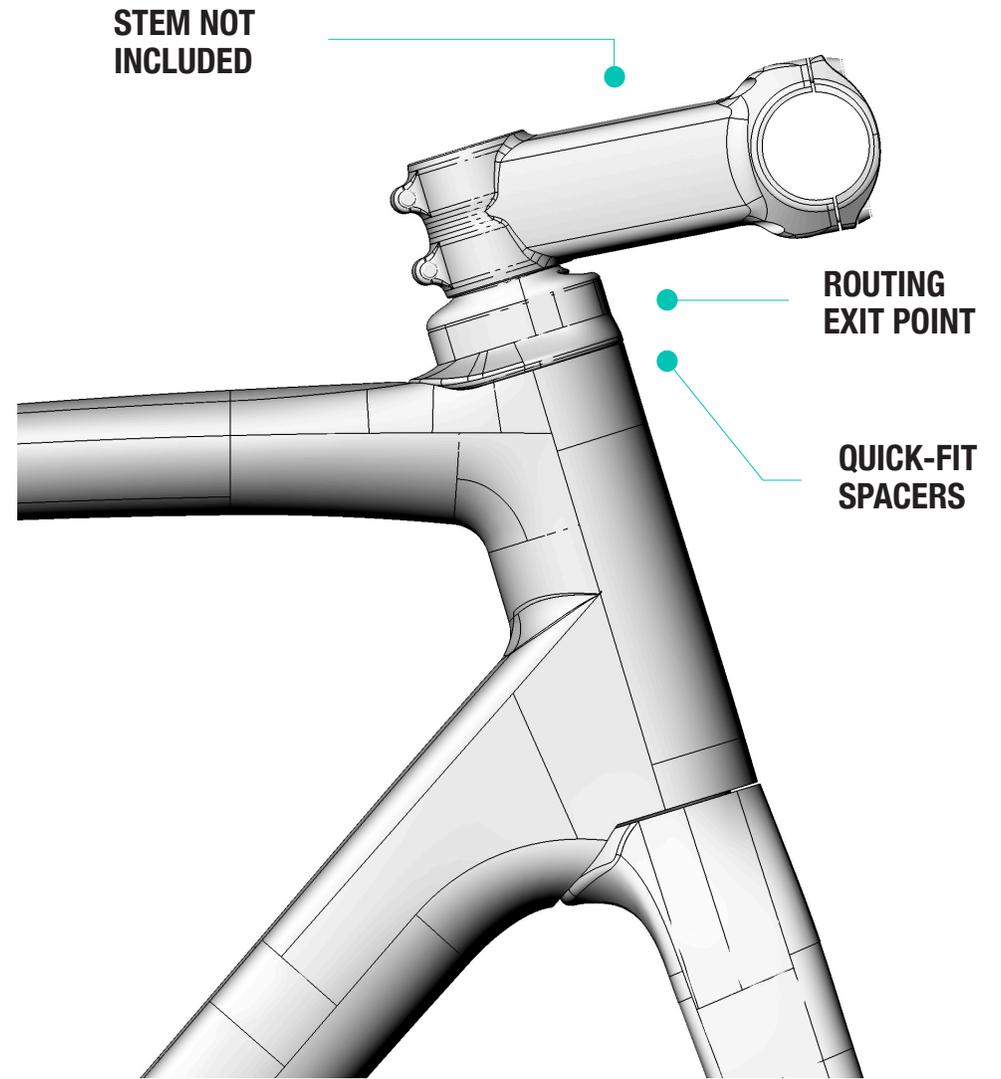
By integrating the cabling and hydraulic hoses the TOA presents a clean visual and aerodynamic profile. The fork crown blends with the headtube contributing to the seamless elegance.

When used with our MANA Bar the full aerodynamic benefits of the TOA 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 TOA.





**MANA WITH FULL
INTERNAL ROUTING**



**STANDARD STEM WITH
SEMI-INTERNAL ROUTING**

Chapter2 says that, despite being a race bike, the TOA was inspired by the brand's endurance road bike, the TERE. This probably goes a long way to explaining why the TOA is so comfortable.

As road racing becomes more progressive in terrain, bikes like the Toa are going to thrive. Comfortable riders are fast riders and the Toa delivers excellent vibration damping and control mile after mile, smoothing out cobbles, grippy tarmac and unsealed surfaces alike to keep riders fresher for longer.

CyclingNews (Graham Cottingham)

Designed to be an allrounder the TOA is a race bike for longer miles.

I own the Chapter2 Tere and it's been an amazing bike, I liked it so much that I probably hung onto it for longer than I normally do with my bikes. When Chapter2 sent me some of the pre-release details of the Toa I was thrilled to see they had taken a fantastic bike and improved it in all the right places. The new Toa is lighter, stiffer, more comfortable to ride, has a threaded bottom bracket and a fully integrated handlebar with totally hidden cables. Not only that but Chapter2 have really come into their stride with the colors and design.

Glory Cycles (Clive de Sous)

MODEL COMPARISON



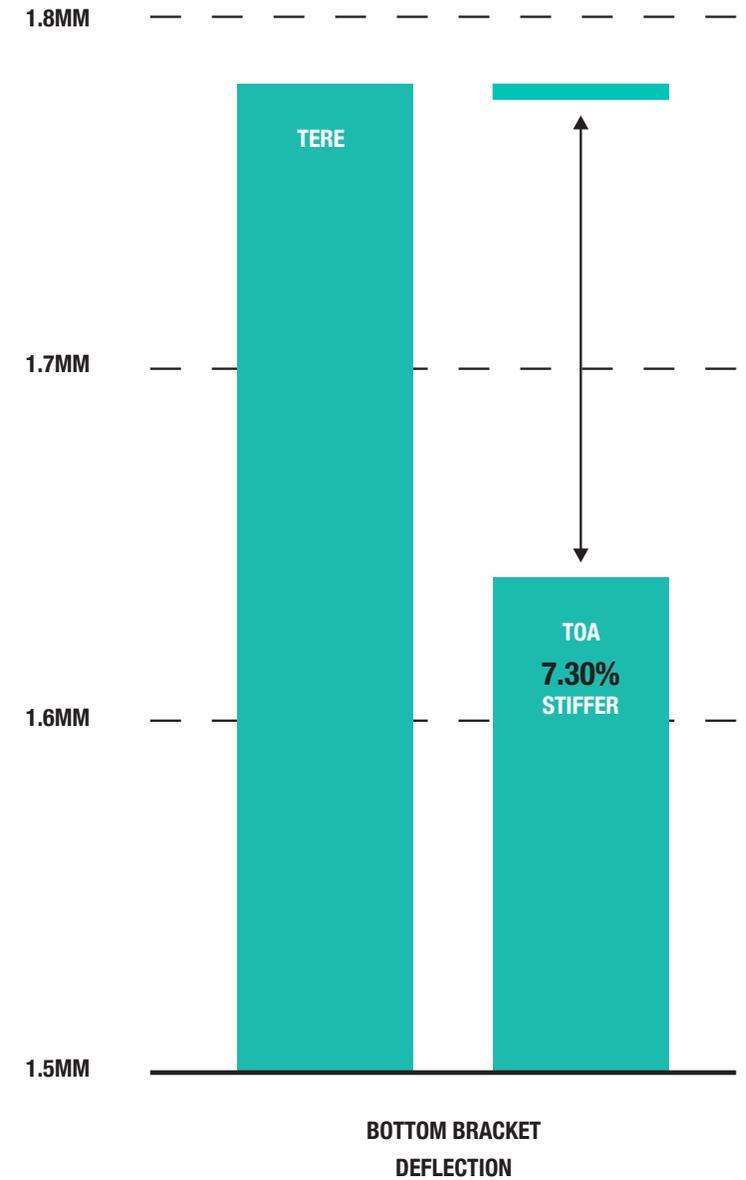
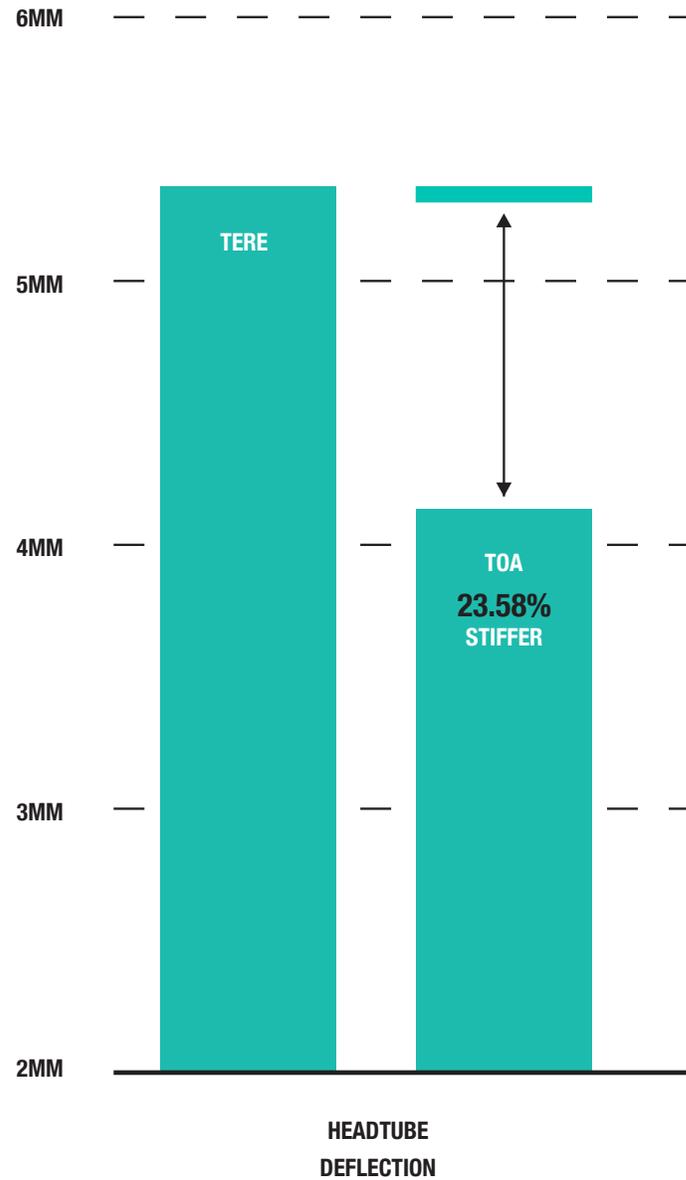
COMPARISON TOA & TERE

To understand the improvements we've made when making the TOA we compared it to its predecessor, TERE.

Stiffness tests were conducted on testing equipment to quantify the improvements with a 23.58% increase in head tube stiffness and 7.30% increase in bottom bracket stiffness. Both results are reflected in the ride quality with the TOA being an ideal race and performance platform.

But at the same time as providing additional stiffness we engineered improvements to compliance provided by the dropped seat stays, compliant seatpost and capacity for 32mm tyres.

All in all, the TOA is more aerodynamic, stiffer and more comfortable than the TERE.



AERO

- Full Integration
- Concealed Cabling
- Compact Kamm-Tail

RACE

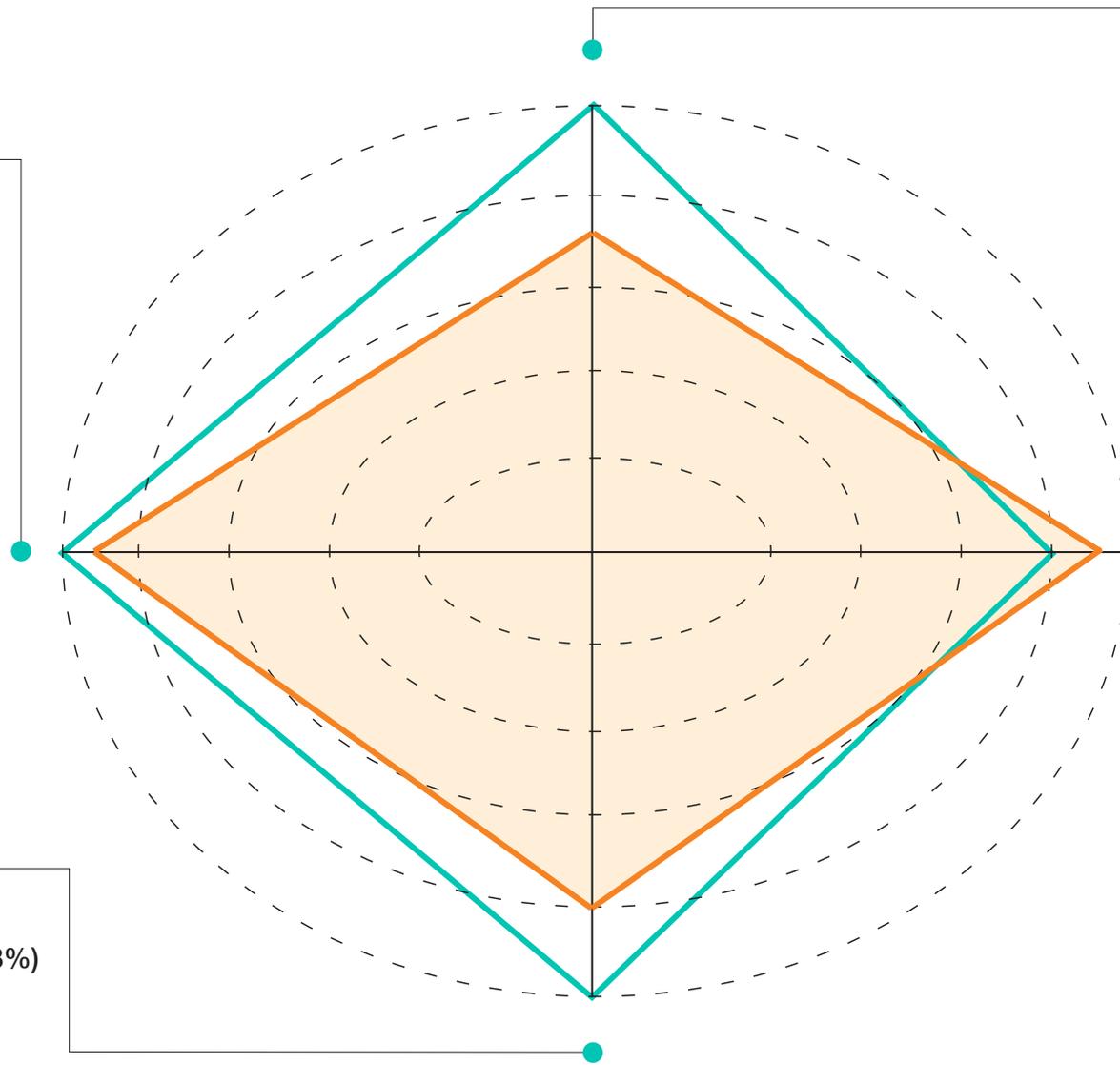
- Stiffer Headtube (+23.58%)
- Stiffer Bottom Bracket (+7.3%)
- Improved Aerodynamics

COMPLIANCE

- Increased Tire Clearance
- Dropped Seat Stays
- Compliant Seatpost

WEIGHT

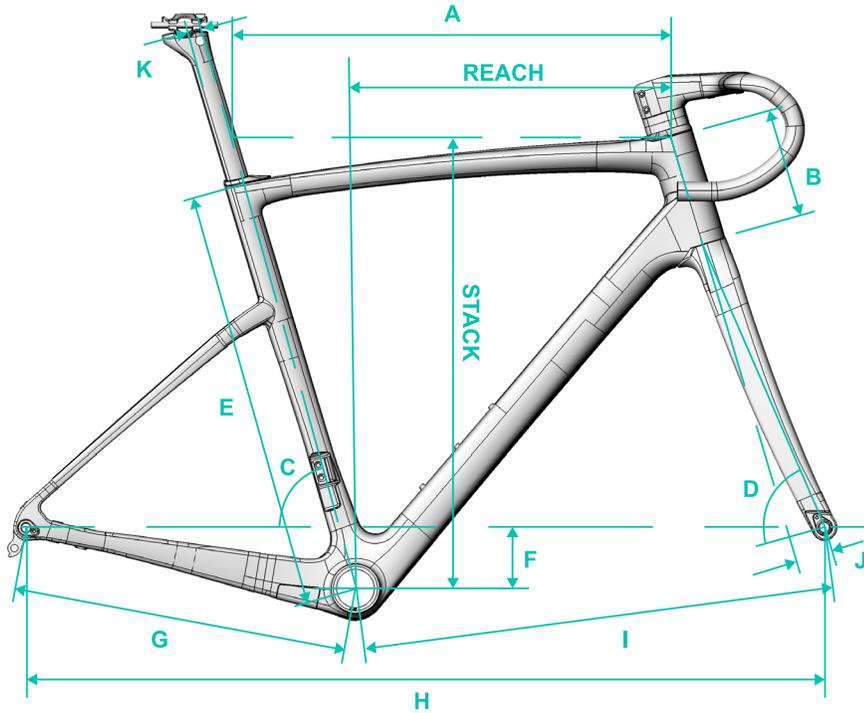
- Frame = 1,099g
- Fork = 419g
- Seatpost = 135g
- MANA = 395g



TOA TERE

GEOMETRY & SPECS





The TOA has been designed to be consistent with other Chapter2 frames - if you ride a medium TERE you will be a medium TOA for example.

The top tube is gently sloping, reminiscent of the AO - and the BB drop increases to 73mm

over the TERE's 68mm. This has lowered the centre of gravity which gives exemplary handling and combines with the slightly steeper seat angle to give perfect rider weight distribution.

MEASUREMENTS IN MMS

	XXS	XS	S	M	L	XL
STACK	468	502	527	552	577	602
REACH	357	363	372	381	390	399
A	482	509	525	542	558	575
B	72	95	115	135	160	186
C	75 °	74 °	74 °	74 °	74 °	74 °
D	70 °	70 °	72 °	73 °	73 °	73 °
E	435	458	483	508	533	560
F	73	73	73	73	73	73
G	408	408	408	408	408	408
H	959	973	975	973	986	1002
I	562	576	578	576	589	605
J	53	53	53	43	43	43
K	10	10	10	10	10	10
Rider Height	<165	160-170	165-175	170-180	175-185	>180
Standover Height	715	735	760	786	811	837
Max. Tire Clearance	32	32	32	32	32	32
Rear Caliper Mount	25	25	25	25	25	25

TOA SIZING CHART

HEIGHT/ INSEAM (FT/INCHES)	TOA	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)	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		XXS	XS	XS	XS								
5' 4.57"	164	XXS	XXS	XS	XS									
5' 3.78"	162	XXS	XXS	XXS										
5' 2.99"	160	XXS	XXS	XXS										
5' 2.20"	158	XXS	XXS											
EST. SADDLE HEIGHT		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

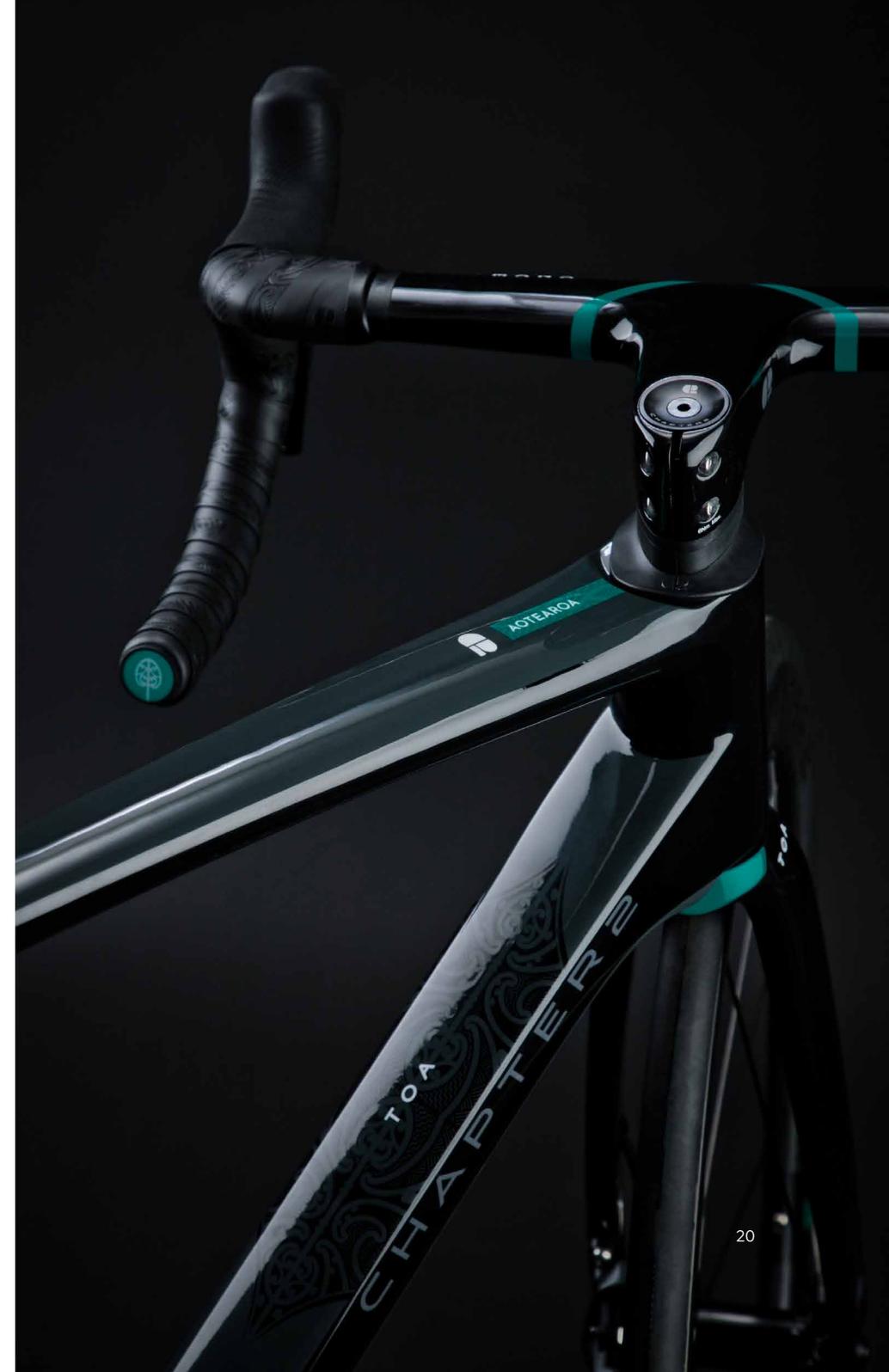
Carbon	100% Made in Japan by Toray®
Frame Sizes (6)	XXS, XS, S, M, L & XL
Fork Rakes (2)	XS, S (53mm offset) and M, L, XL (43mm offset)
Frame Weight	1,099g (Disc) Size M +/- 3%
Fork Weight	419g (Disc) Uncut +/- 3%
Seatpost Weight	135g +/- 3%
Handlebar/Stem (MANA)	395g (100-420mm) +/- 3%
Headset	1.5" 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

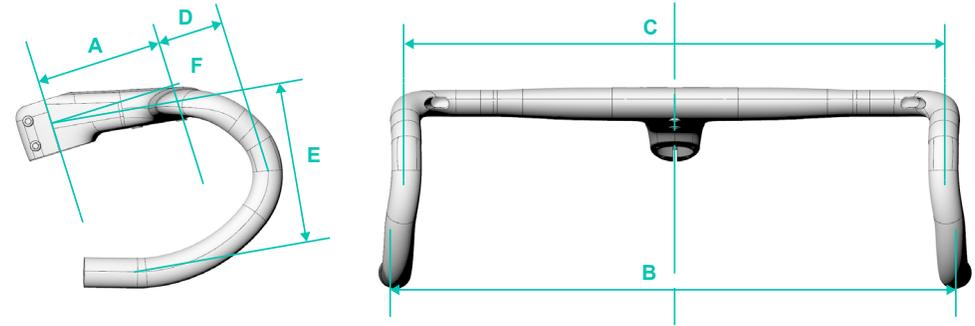
COCKPIT SYSTEM

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











MOANA

BLUE + CYAN





CHAPTER 2

TOA



TO A



KOURA

BLACK + UD W/ GOLD









LIMITED EDITION

TOP

MAKARORA

AQUA BLUE







CHAPTER 2



KAPUA

GREY





CHAPTER2

KOKO





MAWHERO

PINK











AVAILABLE WORLDWIDE / CONTACT INFO@CHAPTER2.CO.NZ



WWW.CHAPTER2BIKES.COM

Disclaimer

The information in this document was correct on 01/02/2023
Please refer to our website for the latest information