

 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.





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

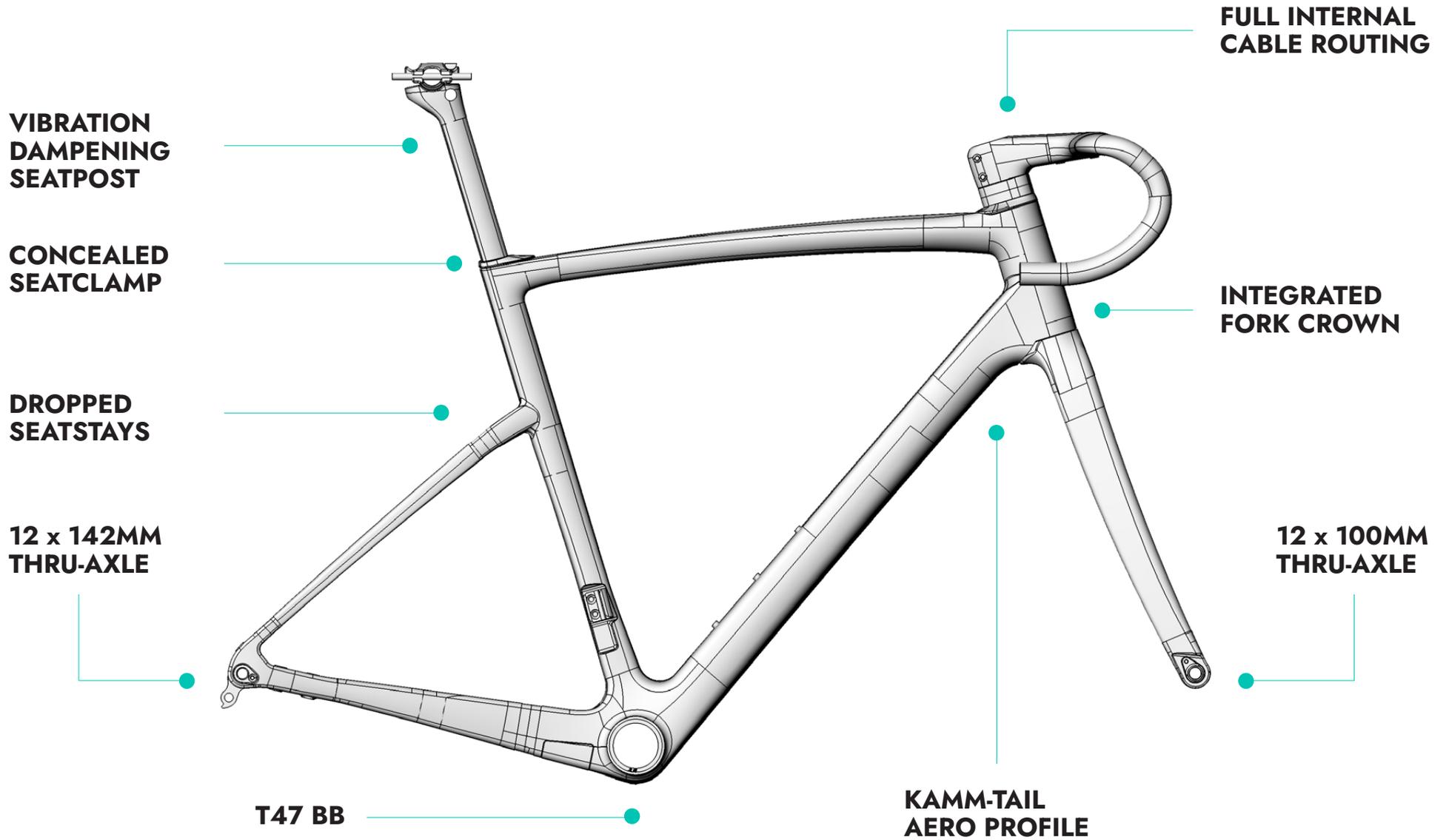
Designed in
New Zealand







FEATURES



CHAPTER 2

TO A

CHAPTER 2

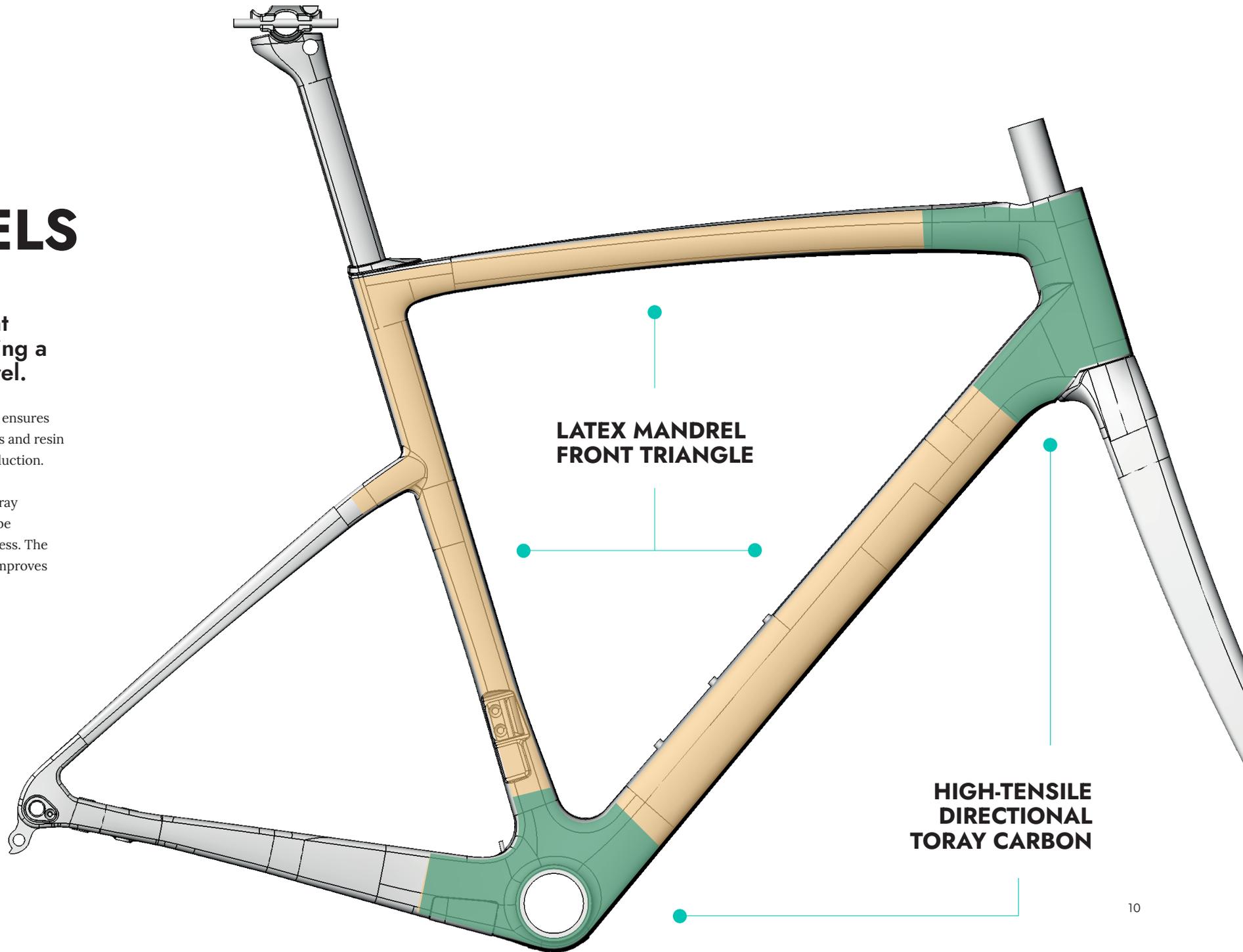


MANDRELS

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.

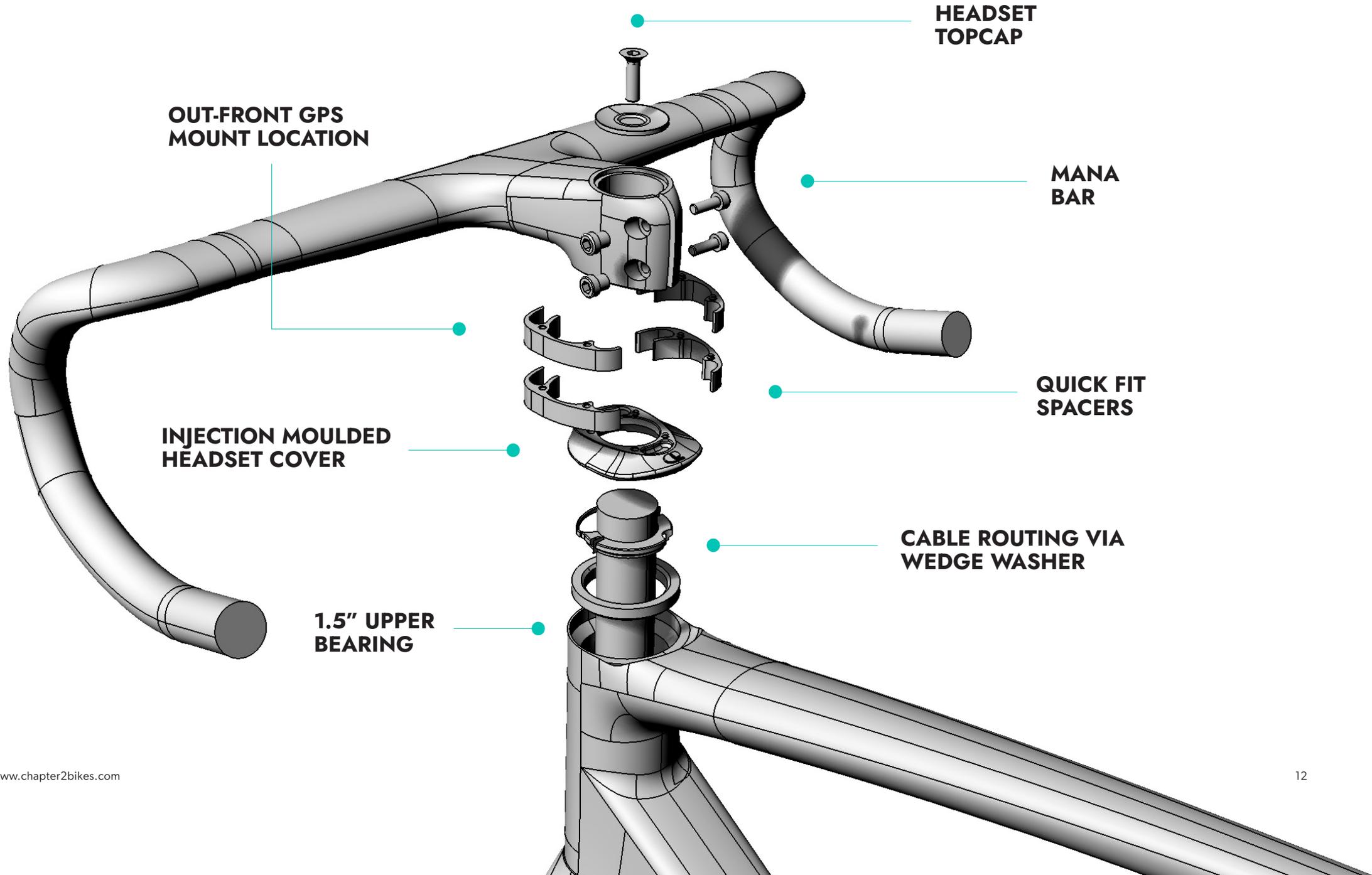


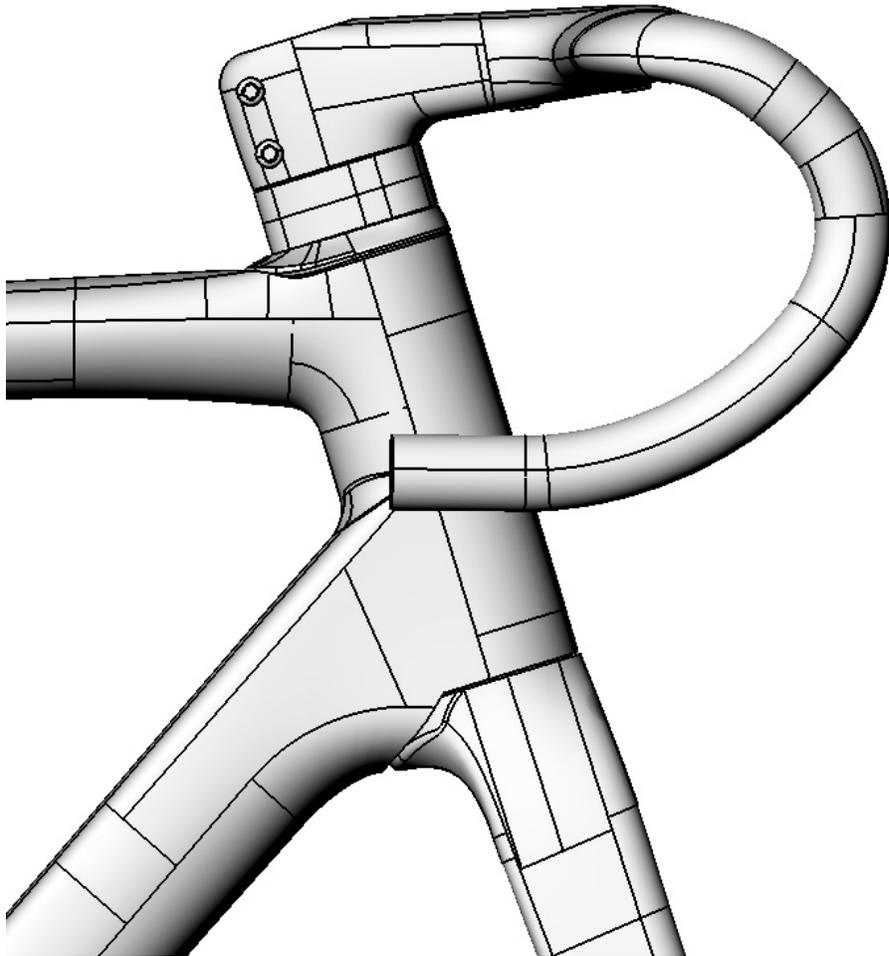


FULLY INTEGRATED

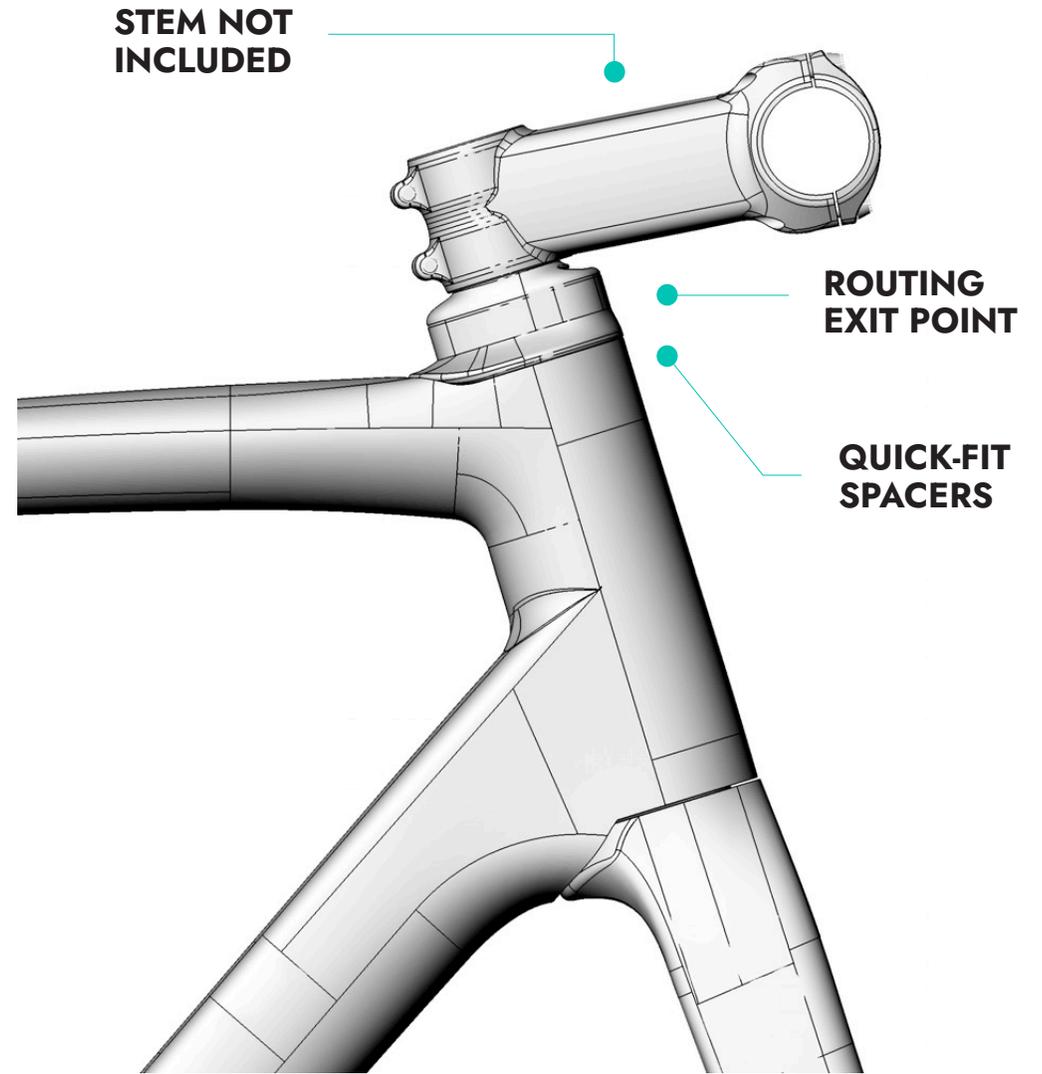
By integrating the cabling and hydraulic hoses the TOA presents a clean visual and aerodynamic profile. The fork crown blends with the headtube contributing to the seamless elegance.

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**

MODEL COMPARISON



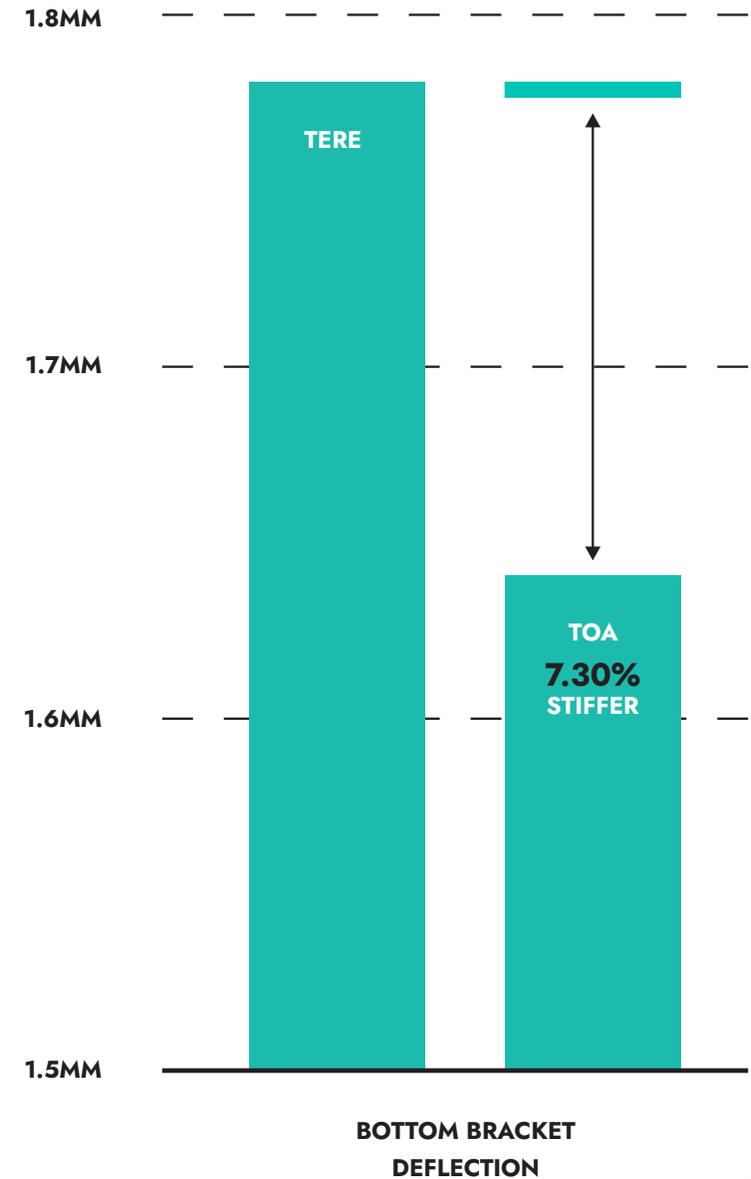
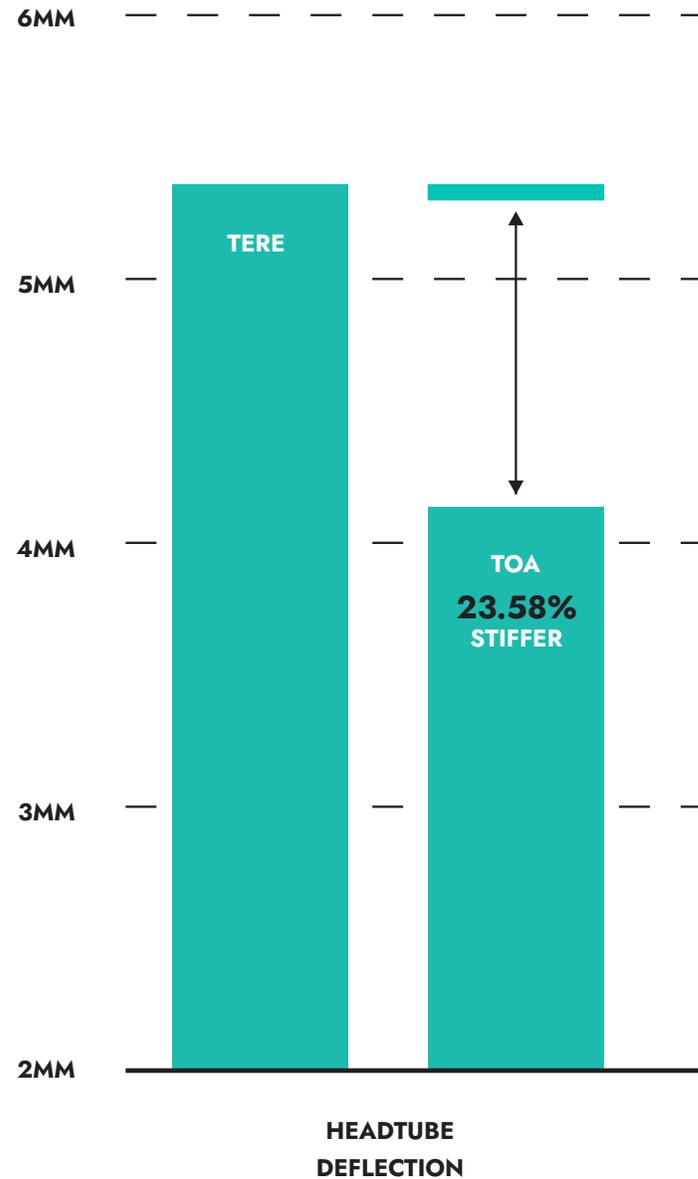
COMPARISON TOA & TERE

To understand the improvements we've made when making the TOA we compared it to the 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

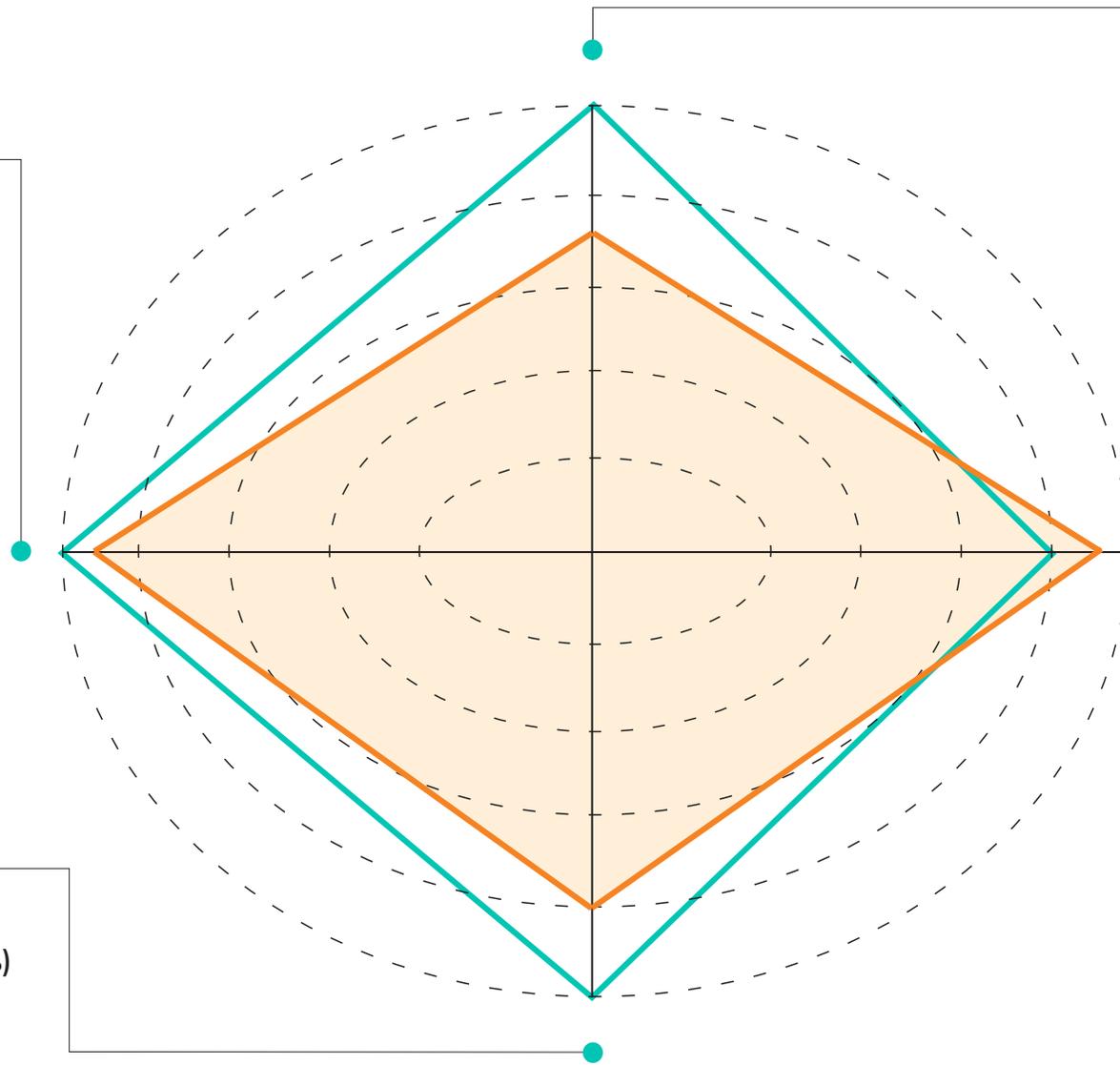
- Stiffer Headtube (+23.58%)
- Stiffer Bottom Bracket (+7.3%)
- Improved Aerodynamics

COMPLIANCE

- Increased Tire Clearance
- Dropped Seat Stays
- Compliant Seatpost

WEIGHT

- Frame = 1,099g
- Fork = 420g
- Seatpost = 135g
- MANA = 395g

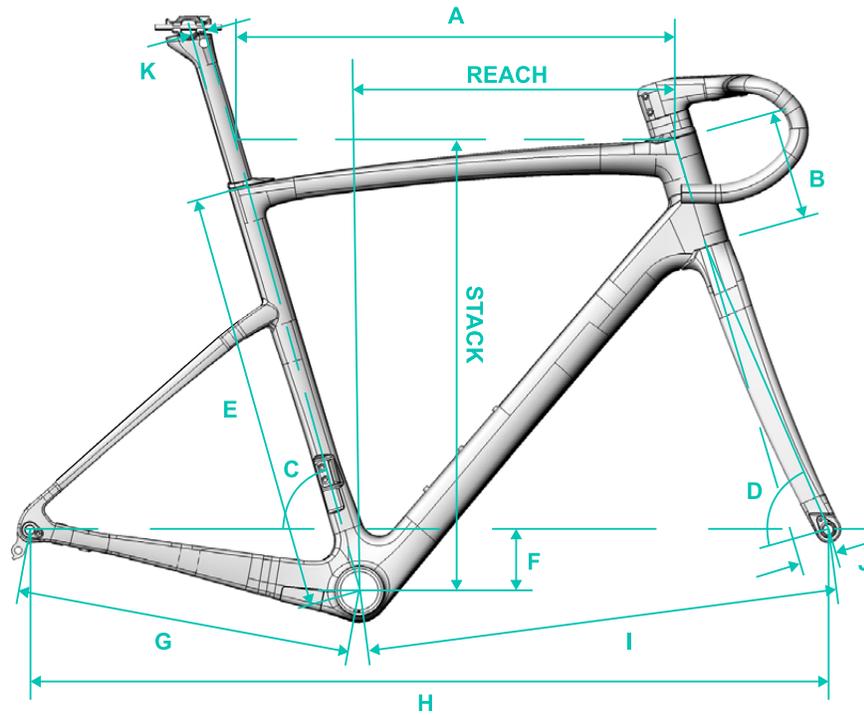


TOA

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.

	XS	S	M	L	XL
STACK	502	527	552	577	602
REACH	363	372	381	390	399
A	509	525	542	558	575
B	95	115	135	160	186
C	74 °	74 °	74 °	74 °	74 °
D	71 °	72 °	73 °	74 °	74 °
E	458	483	508	533	560
F	73	73	73	73	73
G	408	408	408	408	408
H	973	975	973	986	1002
I	576	578	576	589	605
J	53	53	43	43	43
K	10	10	10	10	10

SPECIFICATIONS

Carbon	100% Made in Japan by Toray®
Frame Sizes (5)	XS, S, M, L & XL
Fork Rakes (2)	XS, S (53mm offset) and M, L, XL (43mm offset)
Frame Weight	1099g (Disc) Size M +/- 3%
Fork Weight	420g (Disc) Uncut +/- 3%
Seatpost Weight	135g +/- 3%
Handlebar/Stem (MANA)	395g (100-420mm) +/- 3% (Sold Separately)
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
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

ACCREDITATION

Safety Standard	EN ISO 4210:2014
UCI Accreditation	UCI Approved





WHAT YOU GET

- Frame
- Fork
- Headset
- Seatpost
- Thru-Axles
- Quick-Fit Spacers

ADD ONS

- Mana Bar (Not included)

COLOURWAYS



TUHUA

GLOSS BLACK













TONGARIRO

MUSTARD + OLIVE

















MOANA

BLUE + CYAN





CHAPTER 2

TOA



TO A











MANA BAR



**GLOSS
BLACK
+ AQUA**



**GLOSS UD
+ GREY**





AVAILABLE WORLDWIDE / CONTACT INFO@CHAPTER2.CO.NZ



WWW.CHAPTER2BIKES.COM