

TECHNICAL SPECIFICATIONS

Frame	RaceMax Italia Integrale 418 (2x with removable FD hanger)
Frame material	3T's in-house filament-winding using a combination of high-strength/high-stiffness fibers, combined with RTM
Frame weight (unpainted, without hardware and small parts +/- 5%)	990g (size 54, frame only)
Fork	3T Fango RaceMax Integrale w/ compact crown (D shape steering tube, designed for 3T Integrale stems)
Fork Weight (without hardware and small parts +/- 5%)	385g (size 54, fork only)
Seatpost	RaceMax Italia Integrale seatpost for Ritchey clamp. More info
Standard colors	Various, see side-by-side specs. More info
Ready-to-paint (Project X prep)	A clearcoat is not needed for UV protection but recommended to protect against scratches and wear. Some customers leave the frame bare
Cable routing	Fully Internal cable Routing using 3T Integrale Technology
Groupset compatibility:	<p>- If built using More Integrale stem (provided with any RaceMax Italia Integrale frameset or full bike), compatible with SRAM and Shimano electronic drivetrains, both 2x and 1x + 1x mechanical groupsets. Please see "ASSEMBLY GUIDE USING 3T MORE INTEGRALE STEM"</p> <p>- If built using Apto Integrale Stealth, compatible with SRAM and Shimano electronic drivetrains, both 2x and 1x. Mechanical groupsets not compatible. Please see "ASSEMBLY GUIDE USING 3T APTO INTEGRALE STEM"</p> <p>Please note that Racemax Italia Integrale is designed for serious off-road riding. We recommend a rear derailleur with a clutch or cage damper</p>
BB shell	BB386EVO
Recommended BB's	Thread-together systems such as Token Ninja
Maximum chainring 1x General note: 2mm clearance between frame and chainring is recommended	<p>3T Torno: 44T</p> <p>Shimano GRX: 42T</p> <p>SRAM Wide crank: 44T</p> <p>SRAM "non-wide" crank: 42T</p>
Maximum chainring 2x General note: 2mm clearance between frame and chainring is recommended	<p>Shimano GRX: All</p> <p>SRAM AXS: 48/35T</p>
Minimum chainring 1x	Minimum chainring 1x in standard set-up: 36t (flat & offset rings). Smaller rings can work depending on cassette/rear derailleur/chain length setup
Minimum chainring 2x	<p>Sram AXS: 43/30</p> <p>Shimano GRX: 46/30</p>
Headset	3T MinMax Integrale IS42/34 IS47/38(36deg). More info .
Max. headset spacer height	35mm (spacer height between transition spacer and headset top bearing cover)
Front thru-axle	Syntace X-12, 100x12mm spacing, custom length. More info .
Rear thru-axle	Syntace X-12, 142x12mm spacing, custom length. More info .
Front brake mount	Flatmount direct-mount for 160mm rotor without adaptors Fork thickness 35mm (for caliper fixing hardware spec)
Front disc rotor size	160mm only
Rear brake mount	Flatmount direct-mount for 160mm rotor without adaptors Chainstay thickness: 35mm (for caliper fixing hardware spec)
Rear disc rotor size	160mm only
Cage mounts	Seattube, downtube, under-downtube
Bag mount	Top tube bag mount
Included with frame	Frame, fork, seatpost, seatpost wedge, stem, handlebar, front thru axle; rear thru axle, front derailleur hanger; rear derailleur hanger, headset, headset spacer kit, noise-cancelling foam sleeve for rear derailleur housing and brake hose

TIRE CLEARANCE

NOTE

Always check for sufficient clearance between the specific tire you use and your bike frame/components irrespective of WAM & RAM listed here.

For additional tire clearance information visit the [3T blog](#).

1x groupset

4mm of clearance between tire and any frame or fork element of the bike:

- 700c up to 46mm WAM/355mm RAM (+/-1mm)

- 650b up to 61mm/355mm RAM (+/-1mm)

2x groupset

4mm of clearance between tire and any frame or fork element of the bike, including front derailleur:

FRONT DERAILLEUR	MAX WAM 700c (+/-1mm)	MAX WAM 650b (+/-1mm)
SRAM AXS standard - 45.0mm chainline, 46/33T, 48/35T chainrings (unless you used a hack to put 43/30T on a narrow crank)	43mm WAM	47mm WAM
SRAM AXS Wide - 47.5mm chainline, 43/30T chainrings (unless you used a hack and put bigger rings on wide crank arms)	46mm WAM	52mm WAM
Shimano GRX Di2 2x11	43mm WAM	57mm WAM

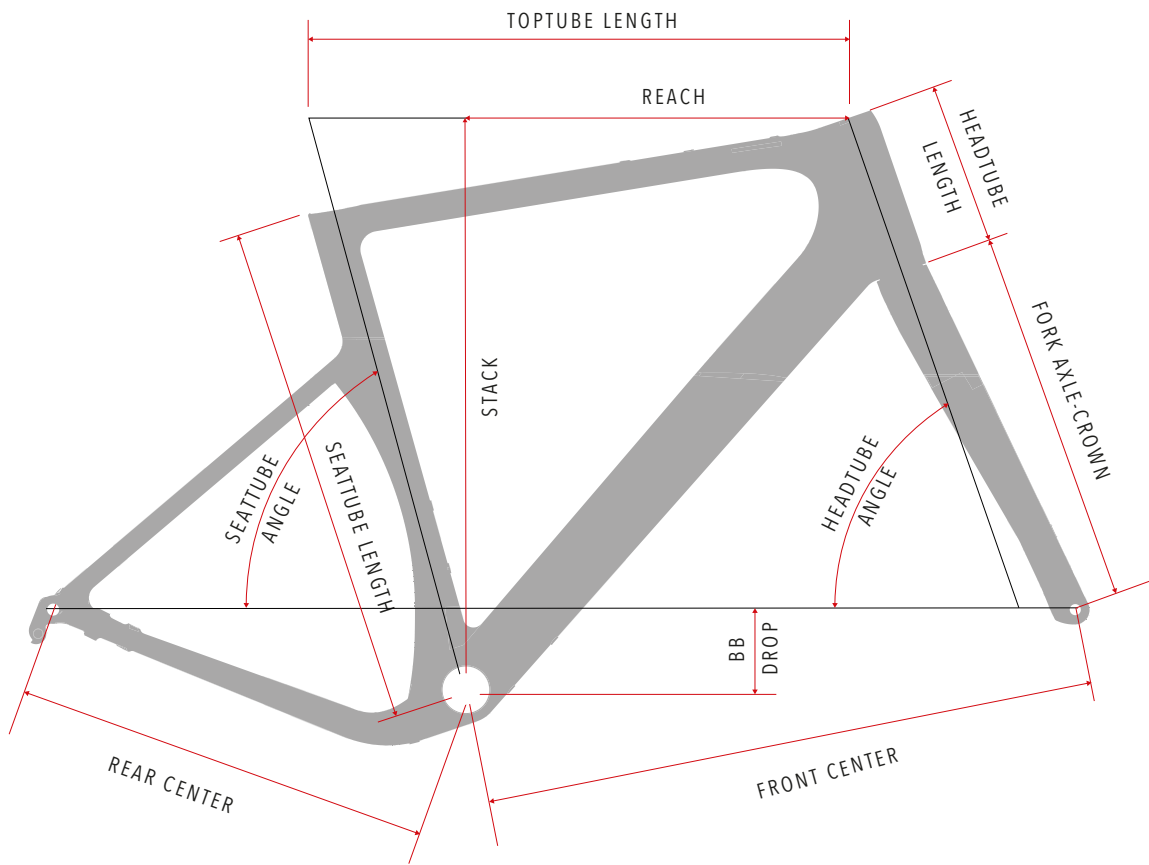
TORQUE VALUES Nm

COMPONENT	TORQUE Nm
Ritchey saddle clamp	12Nm
Seatpost wedge	8Nm
Front thru axle	10 - 16Nm
Rear thru axle	10 - 16Nm
Rear derailleur Hanger	10Nm
Front derailleur hanger	3Nm
Water bottle cage bolts	2Nm

MAX WEIGHT AND LOAD

Max weight and load for complete bike: 110kg (rider + bags)

SIZE CHART FRAMESET



SIZE	51	54	56	58
RIDER HEIGHT* (CM)	157-171	168-180	176-186	183-195
RIDER HEIGHT* (INCHES)	5'2"-5'7"	5'6"-5'11"	5'9"-6'1"	6'0"-6'5"
STACK	544	566	586	606
REACH	364	374	382	390
HEAD ANGLE	69.2	70.7	71.7	72.2
FORK AXLE-CROWN	375	375	375	375
"ROAD" HEADTUBE**	147	161	180	201
BB DROP	77	77	75	73
SEAT ANGLE	72.5	72.5	72.5	72.5
SEATTUBE LENGHT	463	490	518	545
TOPTUBE LENGHT	518	536	549	563
WHEELBASE	1018	1013	1019	1028
FRONT CENTER	612	607	612	622
REAR CENTER	418	418	418	418

* Rider heights are approximations. For more accuracy, compare stack/reach with your current bike or visit your 3T retailer.

** RaceMax FORK length is equal to a standard road bike, so this HEADTUBE length can be compared to road bikes. To compare to gravel bikes with standard gravel forks, deduct 25mm from these "road" headtube lengths for a proper comparison.