



TERRA WHEELS

roval



YOUR RIDE, LIBERATED

“Pigeonholed” is an ugly word. When it comes to our rides, we refuse to be pigeonholed. The paths we follow can be flat or steep, smooth as glass or potholed to hell and back. They may be topped with a seamless coat of asphalt, corrugated with washboard gravel, or nothing more than a foot-wide ribbon of dirt carving through the trees. When we’re lucky, we get all of these in a single ride.

Exploration and freedom are two cornerstone reasons why we ride. The ability to go somewhere that the cars can’t follow, to go further, faster than feet can allow, to seek out new horizons, to enjoy the roads less traveled, to venture into unpredictable terrain; this is what we live for.

The quest for a better tool to satisfy this yearning for freedom, this need to explore, is what compelled us to develop our new Terra wheels.

Introducing the Terra CLX and Terra CLX EVO—wheels created to free your ride in this highly textured world.

ROAD-LIGHT, MOUNTAIN-TOUGH, SMOOTH AS BUTTER

The new Terra wheels bring leading-edge performance to the diverse needs of mixed terrain riders. To that end, we took a long look at what these tough environments demand.

Durability is key, since nothing sucks more than being taken out of commission by a wheel failure when you're miles from the nearest paved road and you've got zero cell coverage. Terra wheels pass our stringent off-road test standards and, for those times when the going gets really rough, they're backed by a lifetime warranty and our free “**it Happens” No Fault Crash Replacement Policy.

Lightweight, because performance matters, especially when you are grinding out big miles day upon day. There are no lighter wheels on the market with comparable width rims: a Terra CLX wheelset tips the scale at a scant 1296 grams (with rim tape and tubeless valves).

Ride quality is critical, so we engineered each Terra wheel as an integrated system to deliver both confident handling and a super comfortable ride.

Versatility is the name of the mixed-terrain game. In order to achieve optimum versatility, Terra wheels can run a wide range of tire sizes and pressures. Case in point, the Terra CLX can run tires ranging from 28c to 42c in width AND at pressures up to 90 PSI.

Tubeless-first performance is built into the rim profiles. A narrow internal canyon ensures tire beads contact the rim cleanly for no-fuss inflation, while a descending shelf profile locks and holds tires into place, even at ultra-low pressures.





Terra CLX

One wheel to rule all roads

Intertwining the DNA of both our mountain and road technologies, the Terra CLX offers everything you need to ride any road.

- Lightest gravel wheels on the market with 25mm internal-width rims
- Unsurpassed durability thanks to leading composite technology and honed rim geometry
- Engineered vertical compliance delivers an exceptionally smooth ride
- Hook-bead rim enables 28-42c tires with up to 90 PSI and hassle-free tubeless setup
- Lifetime warranty and no-fault crash replacement
- Wheelset weight (with rim tape and tubeless valves): 1296g

ROVAL TERRA WHEELS



Terra CLX EVO

Putting the “monster” in monster-cross

Where in the world can you ride these brutes? Anywhere you damn well please.

- Available in 700c and 650b
- 30mm internal rim width delivers optimal handling with up to 2.1” tires
- Unsurpassed toughness-to-weight ratio thanks to leading composite technology rims
- Tubeless-first rim design for easy tire installation and real-world reliability
- Lifetime warranty and no-fault crash replacement
- Wheelset weights (with rim tape and tubeless valves): 1357g (700c), 1303g (650b)



INTEGRATED SYSTEMS APPROACH

ROYAL TERRA WHEELS

PERFORMANCE GREATER THAN THE SUM OF THE PARTS

Terra wheels are engineered as integrated systems, taking flange diameter, spoke count, lacing pattern, and spoke spec into account. This enables our engineers to eliminate variables associated with lacing rims to any ol' hub with unknown spokes and an unknown lacing pattern. The result: wheels that are optimized for light weight, strength, durability and ride quality.

For example, because we know exactly where each spoke will interface with the rim, we optimize the composite lay-up schedule of the rim with reinforcement precisely at that location. Knowing the angle that each spoke intersects the rim enables us to drill the spoke holes at the same angle, resulting in perfectly distributed pressure between the nipple and the rim.





CLX RIM— WE'RE HOOKED

Because versatility is king for all-road performance, we engineered CLX rims to handle tires ranging from 28c to 42c wide, with up to 90 PSI on the 28c rubber. The ability to run a wide range

of tire widths as well as a broad swath of pressures allows unparalleled versatility. To ensure both high and low pressure performance, we relied on hook-bead rims.



CLX EVO RIM— THE CALL OF THE WIDE

Big terrain calls for big tires. Big tires perform best on wide rims. Our Terra CLX EVO measures a massive 30mm between the rim walls, providing excellent tire support for stability and boosting tire volume for float in the rough stuff.

That's wider than any other road wheel on the market, allowing you to comfortably and safely run up to 2.1" tires. Basically, if your frame has the clearance for it, these wheels will let you run just about any rubber the nasty terrain you crave requires.



FASTER, STRONGER, MORE RELIABLE HUBS

The Aero Flange hubs found on all of the Terra wheelsets feature 12mm axles and are the basis of fast, strong, light wheels. Aerodynamically optimized, with wide-bracing angles for increased strength and improved handling, they also feature refined precision of the all-new

DT Swiss EXP freehub. The EXP freehub boast a single-actuated star-ratchet; this decreases drag and weight while simultaneously increasing axle strength by moving bearings outboard. Shimano HG and SRAM XDR freehubs available.

TESTING, TESTING, TESTING...

Design. Prototype. Test. Test again. Every step of the Terra design and prototyping process leads to this. Terra field testing included a deep pool of critical and talented riders around the globe who punished our work in all conditions, who made it their mission to sniff out weaknesses and expose them. Sometimes they sent us back to the drawing board, and we thanked them every time.

We also put Terra wheels through thousands of hours of punishing testing in our lab by simulating exaggerated real world forces, generating relevant data regarding strength, stiffness, weight, and other critical measures. We compared the test data to all the relevant wheels we've made in the past, and to every respected wheel in the market. The result? Terra wheels excel in both qualitative and quantitative test results.



3X Gravel World Champ, Alison Tetrick, putting her Rovals through the paces

Terra CLX

One wheel to rule all roads



RIM	
RIM TYPE	Clincher: Carbon, tubeless-first
RIM MATERIAL	Advanced Carbon Composite
RIM WIDTH (INTERNAL)	25mm
RIM DEPTH	32mm

SPOKE	
FRONT SPOKE PATTERN	Radial/Two-cross (2:1)
REAR SPOKE PATTERN	One-cross/Two-cross (2:1)
SPOKE COUNT	Front/Rear: 21/24
SPOKE TYPE	DT Swiss Aerolite T-head
NIPPLE TYPE	DT Swiss Pro Lock Alloy hexagonal
SPOKE LENGTH (FRONT)	Right/Left: 276mm/274mm
SPOKE LENGTH (REAR)	Drive-Side/Non-Drive: 272mm/277mm

HUB	
FRONT HUB	Roval AFD1, Centerlock, 12mm thru-axle end cap
REAR HUB	Roval AFD2, Centerlock, DT Swiss EXP internals, Shimano or SRAM XDR, 142x12mm thru-axle end cap

OTHER	
ASSEMBLY METHOD	Handbuilt
EXTRAS	Roval padded wheelbag, Roval tubeless rim tape and valves (pre-installed)
WEIGHT (WITH RIM TAPE AND TUBELESS VALVES)	1296g

Terra CLX EVO

Putting the “monster” in monster-cross



RIM	
RIM TYPE	Clincher: Carbon, tubeless-first
RIM MATERIAL	Advanced Carbon Composite
RIM WIDTH (INTERNAL)	30mm
RIM DEPTH	25.3mm

SPOKE	
FRONT SPOKE PATTERN	Radial/Two-cross (2:1)
REAR SPOKE PATTERN	One-cross/Two-cross (2:1)
SPOKE COUNT	Front/Rear: 24/24
SPOKE TYPE	DT Swiss Aerolite T-head
NIPPLE TYPE	DT Swiss Pro Lock Alloy hexagonal
SPOKE LENGTH (FRONT)	700c Right/Left: 283mm/279mm 650b Right/Left: 264mm/260mm
SPOKE LENGTH (REAR)	700c Drive-Side/Non-Drive: 278mm/284mm 650b Drive-Side/Non-Drive: 259mm/265mm

HUB	
FRONT HUB	Roval AFD1, Centerlock, 12mm thru-axle end cap
REAR HUB	Roval AFD2, Centerlock, DT Swiss EXP internals, Shimano or SRAM XDR, 142x12mm thru-axle end cap
OTHER	
ASSEMBLY METHOD	Handbuilt
EXTRAS	Roval padded wheelbag, Roval tubeless rim tape and valves (pre-installed)
WEIGHT (WITH RIM TAPE AND TUBELESS VALVES)	700c: 1357g 650b: 1303g

OUR COMMITMENT

We work obsessively to create wheels that are True to Your Ride, but we don't stop there. As riders, we know that shit happens, so we have your back with a lifetime warranty and a free no-fault crash replacement policy.

Lifetime Warranty

Roval wheels are warrantied against defects in material and workmanship for lifetime of the customer.

“**it Happens” No Fault Crash Replacement Policy

If a rider damages their Roval product while riding within the first two years of ownership, we'll replace or repair it for free. This policy applies to all Roval product purchased in the USA, whether it came stock on a bike or was purchased aftermarket. For additional details, check out RovalComponents.com/warranty.



FAQS

When will Terra CLX and Terra CLX EVO wheels be available for purchase?

On October 8th, 2019 Terra wheels will be available at Roval retailers and on RovalComponents.com. At 6:00 AM on the 8th, all information about the Terra wheels is free to be communicated publicly.

What is the retail price of Terra CLX and Terra CLX EVO wheels?

Terra CLX and Terra CLX EVO wheelsets have an MSRP of \$2,500.

Those are not cheap wheels, are you planning on offering less expensive models in the Terra range?

It's true, these are premium wheels (that provide previously unavailable performance). That's where we wanted to start, by doing our best to set a new bar. Because we want to enable every rider to have a better experience on the bike, and we recognize that not everyone can afford these wheels, we are working to bring Terra performance to more people at a more attainable price, but that is going to take some time. We don't have any tangible information about what that product would be at this time, or when it would be available.

Where can I buy a set of these Terra CLX or Terra CLX EVO wheels?

There are Roval retailers in virtually every country where bikes are sold. Retailers offer expert guidance, technical expertise, and service support, so we recommend you check with them. A full list of retailers can be found on RovalComponents.com. We also offer our wheels for sale on RovalComponents.com, so you can buy a set there if that's more convenient for you.

Could I use either of these wheels on my mountain bike as my go-to XC race wheels?

If your mountain bike has 12mm axles and road spacing, then the answer is "yes", but we doubt it does, so we'd recommend our Control SLs for your XC race whip.

I can only afford one set of wheels, but want to capitalize on the versatility of my bike—how should I decide whether to get the Terra CLX or the CLX EVO?

If versatility is what you're looking for in a single wheel, then the Terra CLX is hard to beat. By swapping tires, you can transform your bike from a no-holds-barred performance road machine to monster-croser that's capable of taking on technical single-track. The only limiter will likely be the pilot...The CLX EVO, meanwhile, is perfect for riders who are looking to maximize the full spectrum of performance offered by larger volume tires, and who have bikes with enough clearance to run them. The best scenario is having a set of each, with the right rubber mounted up. Then you and your bike are unstoppable in any terrain.

What is the relationship between Roval and Specialized?

Roval is a semi-autonomous brand that is owned by Specialized. For over a year, Roval has been operating with a dedicated team. Roval lives by the mantra "True to Your Ride" and seeks to understand riders' needs and deliver products and services that improve their rides, wherever they ride, whatever they ride.

What are the narrowest and widest tires you can run on each Terra model?

For Terra CLX you can run anything between 28c to 42c.
For Terra CLX EVO 700c you can run 38c to 47c.
For Terra CLX EVO 650b you can run 42c to 2.1".

What makes the Terra CLX a better gravel wheel than a CLX 32, or say a Control SL?

Blending the strength of our Control SL with the weight of the CLX 32 we achieved the best "all road" performance we could. The Terra CLX is the lightest road wheel with 25mm internal-width rims on the market (CLX 32's 21mm rims don't support bigger tires as well), it offers incredible versatility—it can fit 28-42c road and gravel tires and handle a full pressure range from road to gravel (Control SLs can't run high pressures)—and Control SL spacing and axle spec isn't compatible with road and gravel frames.

roval

ROVALCOMPONENTS.COM