MAVIC

2009

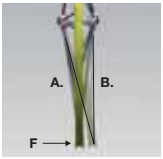
Wheels

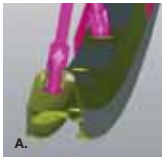
More responsiveness

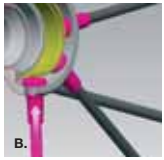
TraComp™

Tubular clamped spokes

- when a lateral force is applied: the "**A**" spoke stretch less because tubular carbon spokes are structurally stiffer
- if lateral force goes up, the "**B**" spoke, carbon tubes clamped on both ends, resist to compression».

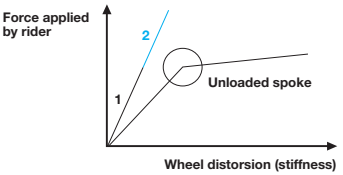






Stiffness is increased by

- tubular carbon spokes
- all spokes are staying tensioned



1. spokes are working under tension: tubular carbon spokes stretches less than other materials
2. tubular clamped spokes enters into compression

ITS 4

The rear axle is a plain 12mm tube that maximises wheel stiffness and contact area with the frame. 2 large cartridge bearings ensure the smoothest rotation of the hub body. The freewheel body is a plain aluminium bloc, and is also mounted on 2 smaller cartridge bearings. A large lip seal makes sure the dust stays out and the oil in, thanks to labyrinth sealing in the hub body. The system works with 4 pawls, working 2 by 2 in order to provide a very fast engagement. Each pawl is energized by an individual spring, to reduce the risk of failure.

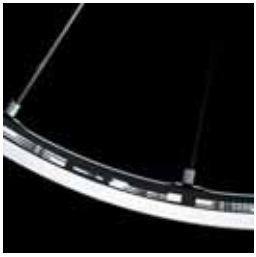
Our new system brings in 3 main benefits:

- Pawl engagement is reduced by 60%, ensuring instant energy transmission, quicker acceleration out of a turn, and a more dynamic ride.
- Full compatibility with all retention systems, quick release or through axles, for more stiffness and better control.
- Thanks to a lightweight freewheel body in alloy, the weight is 20g lighter than our other system.

ISM & ISM3D

ISM: Inter Spoke Milling. Lightened rim between spokes to reduce inertia and free extra power for climbing.
Ultra-accurate milling of the lower part of the rim between the spokes, where lacing stresses are the lowest.

ISM3D pushes the envelope of ISM one step further by not only machining the lower bridge of the rim between spoke holes, but also its sidewalls. Machined sidewalls save even more weight and inertia to boost your accelerations and enhance climbing performance.



R2R

One continuous carbon fiber spoke joins one side of the rim to the opposite side, crossing the center of the wheel through the hub flanges. Where a normal wheel would use 2 spokes, thus 4 spoke ends, R2R allows the use of only one spoke, resulting in only 2 spoke ends. The spoke construction and assembly to the hub is protected by Mavic patents.

Benefits:

- Better aerodynamics: spoke head at the hub allows a smooth integration of the spoke to the hub flanges. At the rim, spoke heads and nipples are fully concealed in the rim structure. Additionally, continuous carbon fiber spokes can be profiled more aerodynamically than steel or aluminium.
- Lighter: R2R technology cuts the number of spokes in half and creates very low stress at the hub. With less stress, less material and weight are needed for the same strength. Also, carbon spokes are lighter than their steel or alloy counterparts.
- Stiffer: R2R spokes are made of unidirectional carbon fiber which have a better resistance to traction than steel or aluminium spokes. No spoke heads at the hub requires less space and provide optimised wheel dish by eliminating bulky hub slots or flanges.
- Stronger: the weakest point of a spoke is its head. Since R2R reduces the number of spoke heads in half, it cuts the chances of spoke breakage as well.

iO

Olympic Gold experience applied to track front wheels
The story started in Atlanta in 1996 and has continued ever since: the iO is the international reference on the track. Stiff beyond belief, its 5 aircraft wing shaped spokes reduce wind resistance and provide excellent rigidity. This wheel has won more than 80% of the medals on all the cycle-racing tracks in the world.

Save time thanks to exceptional aerodynamics

Superior rigidity delivers perfect steering

Excellent rolling efficiency

750 g front

QRM

Comete Track

Olympic Gold experience applied to track rear wheels
Convex lenticular shape provides exceptional aerodynamics while carbon sandwich flanges provide superior lateral stiffness. The choice of the best track racers in the world: Théo Bos, Grégory Baugé, Arnaud Tournant…

Save time thanks to exceptional aerodynamics

Superior rigidity delivers perfect power transmission

Excellent rolling efficiency

980 g rear

QRM SUP

Cog lock nut

Ellipse

The all-around track wheel of choice
Modulate your training as you want and save time setting up your bike through different cogs on the same wheel. Knowing that this wheel has been developed with the UCI cycling center, you can imagine that performance has not been ignored.

Low drag thanks to great aerodynamic features

Unaltered power transfer due to excellent stiffness and efficiency

Simple and versatile

1995 g pair
955 g front / **1040 g** rear

QRM SUP

Cog lock nut

Comete Road new

The reference for time trials now 13% lighter
Aerodynamics has always been the key force of this wheel. Now weight also comes into play. Thanks to the new carbon flanges in HM carbon fiber, weight and inertia are decreased by 13%. The result is faster accelerations and better boosts.

Faster ride, seconds saved due to lower inertia and lower weight

Save time thanks to exceptional aerodynamics

Excellent rolling efficiency

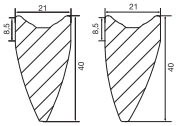
1150 g rear ED10

Cosmic Carbone Ultimate

Light AND Aerodynamic
Light, fast and stiff along with famous Mavic durability for everyday riding. Fully sealed all carbon rim and R2R spoke design provide excellent strength and stiffness. 40mm profiled rim, profiled carbon spokes and hub flanges provide optimum aerodynamics and yet low lateral drag. Adjustable bearings and unique rear truing system allow for full adjustability and serviceability. The ultimate all-around road racing wheel.

The stiffest carbon wheel on the market Extremely light at just 1185 g

The best overall aerodynamic performance on the market



1185 g pair
520 g front
665 rear ED10

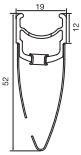
Cosmic Carbone SLR new

Technology of the Ultimate. Convenience of a clincher
Directly inspired from the Ultimate, the Cosmic Carbon SLR is the new Mavic reference in aero clincher wheels. A redesigned 52mm carbon/ aluminum rim reduces weight by 20 grams and the same R2R carbon spoke design as the Ultimate make this wheel the perfect blend of Aerodynamics, lightweight, stiffness and ease-of-use.

One of the lightest aero clincher wheels

High aerodynamics to slice through the air

Convenience of alloy rim



1595 g pair
725 g front / **870 g** rear ED10

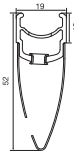
Cosmic Carbone SL new

Less weight and lower price for a proven champion
New rim technology reduces weight, inertia and cost for the same strength and stiffness to give birth to a new Cosmic Carbon SL. Now at 1740 grams, the new SL is the best aero wheel you can get for the money.

Lower inertia and high efficiency

Exceptional aerodynamics

Convenience of alloy rim



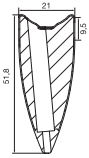
1740 g pair
780 g front / **960 g** rear ED10

Cosmic Carbone Pro PowerTap new SSC

Training technology of PowerTap meets the wheel technology of Mavic
Scientific power training has become the standard training method for serious competitors and passionate riders. With the Cosmic Carbone Pro PowerTap, Mavic offers hard-core athletes the information and training technology of a PowerTap with race wheel performance of the lightweight all-carbon rimmed Cosmic Carbon Pro tubular.

Control your power output

Reach your highest performance on race day



1780 g pair
710 g front / **1070 g** rear ED10

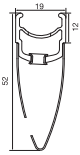
Cosmic Carbone SL PowerTap new SSC

Training technology of PowerTap meets the wheel technology of Mavic
Scientific power training has become the standard training method for serious competitors and passionate riders. With the Cosmic Carbone SL PowerTap, Mavic offers hard-core athletes the information and training technology of a PowerTap with the race wheel performance of a Mavic Cosmic Carbon SL.

Control your power output

Lower inertia and high efficiency

Convenience of alloy rim



1900 g pair
780 g front / **1120 g** rear ED10

AERODYNAMIC

Cosmic Elite

Taylor made for speed…
and sensations!
Made for flat roads and high speeds, inspired by the Cosmic Carbon SL.
A must for all speed enthusiasts!

Profiled rim and bladed spokes deliver great aerodynamics and low frontal drag

High stiffness ensures a perfect power transmission

1900 g pair
890 g front / **1010 g** rear ED10

FTS-L · QRM · SUP · UB CONTROL

MULTIPERFORMANCE

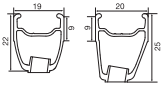
R-Sys Premium new

A stealthy new R-Sys enhanced with titanium and carbon parts
The R-Sys Premium takes the best of R-Sys TraComp™ technology and gives it a classy new look. Titanium bolts and skewers as well as carbon hub caps further reduce weight to make it perform as good as it looks.

Stiff to transform all of your power into pure speed

Light for instant acceleration

Packed with high end bits



1360 g pair
575 g front
785 g rear ED10

FTS-L · FORE · ISM · MAKTAL · QRM+ · SUP · UB CONTROL · TRA COMP · ZICRAL

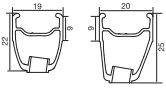
R-Sys

Light & Stiff
Introduced one year ago, the R-Sys and its revolutionary TraComp™ technology turned the cycling world upside-down by delivering unprecedented levels of stiffness and weight savings to pro racers and every day riders. TraComp™ technology prevents a loss of tension on spokes to maintain high stiffness under high loads and carbon spokes don't stretch as much as steel or aluminum ones. Result: the best ratio stiffness/ lightness on the market.

Stiff to transform all of your power into pure speed

Light for instant acceleration

The usual Mavic durability



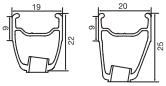
1365 g pair
575 g front
790 g rear ED10

FTS-L · FORE · ISM · MAKTAL · QRM+ · SUP · UB CONTROL · TRA COMP · ZICRAL

Ksyrium SL Premium

The latest evolution of the Ksyrium
Take the Ksyrium SL with all that makes it unique (different rim heights, carbon front hub, optimised rear dish, asymmetrical rear rim...) and then lighten it even further with titanium.

Perfect power transfer
Lightweight for instant acceleration and steering precision
Delivered with titanium QR and wheelbags

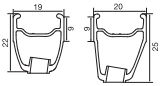


1480 g pair
645 g front
835 g rear ED10

Ksyrium SL

The reference wheel in road performance
Take the technology of the famous Ksyrium ES with its unique features (different rim heights, carbon front hub, optimized rear dish...) and add an asymmetrical rear rim for greater stiffness and increased durability for an even sweeter ride.

Perfect power transfer
Lightweight for instant acceleration
Perfect bike steering

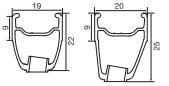


1485 g pair
645 g front
840 g rear ED10

Ksyrium Elite new

1550 grams of pure technology
Forget what you know about the Ksyrium Elite, only the name remains the same. A radical reduction in weight and inertia will dramatically boost your accelerations and climbing performance. We have designed every single component with weight savings in mind while delivering the same proven Elite durability. Available in version 650C (Black only)

Lighter, especially where it really matters for a boosted ride
Stiffer for more efficient out of the saddle pedaling
Packed with high end technologies to add value to your wheel choice



1550 g pair Ø 700
675 g front
875 g rear ED10

Color key

Black Silver

ROAD & TRIATHLON - MULTIPERFORMANCE

ALL ROAD

Ksyrium Equipe

Light, stiff and durable
One of our best selling wheelsets for its proven performance, Ksyrium technology and economical price. The Ksyrium Equipe features Mavic technologies such as Isopulse™ lacing for better response and larger dish for more stiffness.

Increased stiffness to reduce energy loss
Lighter wheels are faster wheels
Lighter does not mean weaker

Aksium

Discover real Mavic wheel efficiency on the road
Entry level at Mavic doesn't mean low end. This wheelset provides you with top Mavic technology for your everyday rides: straight pull aerodynamics spokes, versatile and lightweight rims, serviceable cartridge bearings… The Aksium will make any bike better at a very attractive price.

Efficient and reliable wheelset thanks to high-end features
Unique aesthetics will make any bike look better

Speedcity

Change your wheel, not your bike
The Speedcity (diameter 700c) can fit any MTB, with or without disc brakes (thanks to its optional V brake adaptors sold separately). It's the perfect training wheel on asphalt for your mountain bike. No excuse for not being in shape when the season starts!

Strong to withstand the abuse of urban jungle riding

Beat the cars on greenlights and stay in front thanks to high efficiency

Versatile braking ability to fit every bike on the market

1770 g pair
810 g front / **960 g** rear

Color key
Black Silver

1855 g pair
870 g front / **985 g** rear

Color key
Black Silver

1970 g pair
870 g front / **1100 g** rear

Caliper adjusters

Crossmax SLR Disc new

The best is lightened once again, right where it matters most
Crossmax SLR 09 features a patented Mavic technology used for the first time: ISM3D. Inter Spoke Milling 3D pushes the concept one step further by machining not only the lower bridge of the rim but also its sidewalls. The result is a lighter rim providing the most dynamic ride ever: instant acceleration, direct steering and reactive braking. The front wheel is also available in a 20x110 version, providing a better bike handling, thanks to a stiffer front end. Also available in lefty version.

Low inertia provides exceptional dynamic features

As stiff as ever to withstand the most aggressive pedal strokes

Fully compatible with the latest fork designs

1520 g pair
690 g front / **830 g** rear

FUS · FORE · ISO · MAXTAL · QRM+ · SUP · TUBELESS · ZICRAL · ISM 3D

Front wheel available versions:
9mm QR or 15x100
20x110 / Lefty

STANDARD INTERNATIONAL | CENTER LOCK

Crossmax SLR

Cross-country race technology at the finest
Proven and tested on the World Cup Circuit, this wheel is the reference in cross-country racing. Light: 1420g per set and stiff thanks to the exclusive Mavic technologies: straight pull Zicral spokes (10% stiffer compared to stainless steel spokes for the same weight), Fore™ drilled rims, Isopulse™ lacing... Low inertia thanks to 21mm rims with maximum ISM (Inter Spoke Milling) for better acceleration.

Super-light and low inertia

Increased stiffness allows better power transmission

The most crowned cross-country wheelset

1420 g pair
600 g front / **820 g** rear HG9

CRANK · FUS · FORE · ISM · ISO · MAXTAL · QRM+ · SUP · TUBELESS · ZICRAL

Crossmax SL Disc

Innovative and reliable: a proven reference
Light: 1530g per set and stiff thanks to the exclusive Mavic technologies: straight pull zicral spokes (10% stiffer compared to stainless steel spokes for the same weight), Fore™ drilled rims, Isopulse™ lacing...Low inertia thanks to 21mm rims and maximum ISM (Inter Spoke Milling).

Among the lightest disc wheelsets available, Crossmax SL Disc accelerates faster

Increased stiffness for better power transmission

Perfect traction and energy transfer

1530 g pair
690 g front / **840 g** rear

FUS · FORE · ISM · ISO · MAXTAL · QRM+ · SUP · TUBELESS · ZICRAL

STANDARD INTERNATIONAL | CENTER LOCK

Crossmax ST Disc new

A lightweight and responsive wheelset that withstands the rigors of true mountain bike riding
Dynamic ride thanks to the exclusive Mavic technologies: Zicral alloy spokes (10% stiffer compared to stainless steel spokes for the same weight), Fore™ drilled rims, Isopulse™ lacing… 23mm rims for greater fatigue resistance and compatibility with all kinds of cross-mountain tires make it the perfect wheelset for intense rides in all kinds of terrain. The ST Disc is available in 9mm quick release/ 15x100 thru axle, 20x110 thru axle and a lefty version.

Instant acceleration and dynamic handling thanks to very low weight and inertia

Tough, reliable, long lasting wheelset

Fully compatible with the latest fork designs

1635 g pair
745 g front / **890 g** rear

FUS FORE ISM ISO 6 HOLES MAXTAL ORM+ SUP TUBELESS ZICRAL

Front wheel available versions:
9mm QR or 15x100
20x110 / Lefty

STANDARD INTERNATIONAL | CENTER LOCK

Crossmax ST

A lightweight and responsive wheelset that withstands the rigors of true mountain bike riding
Dynamic ride thanks to the exclusive Mavic technologies: Zicral alloy spokes (10% stiffer compared to stainless steel spokes for the same weight), Fore™ drilled rims, Isopulse™ lacing… 23mm rims for greater fatigue resistance and compatibility with all kinds of cross-mountain tires make it the perfect wheelset for intense rides in all kinds of terrain.

Instant acceleration and dynamic handling thanks to very low weight

Direct power transfer due to new hub design (stiffer wheel)

Tough, reliable, long lasting wheelset

1570 g pair
700 g front / **870 g** rear HG9

CRANK BROS FUS FORE ISM ISO 6 HOLES MAXTAL ORM+ SUP TUBELESS ZICRAL

C29ssmax

The reference cross-mountain wheel smartly adapted to 29”
Legendary Crossmax cross-mountain performance now available in a 29” wheelset. The C29ssmax uses specific 29” ISM technology to deliver the lowest inertia of any 29” wheel on the market while maintaining Crossmax stiffness and durability. Also available with a 20 mm front axle.

Responsive thanks to the lowest inertia of its category

Better steering precision, control and safety due to increased stiffness of the front end

Tough and durable, because you deserve to enjoy your ride!

1750 g pair
815 g front / **935 g** rear

FUS FORE ISM ISO 6 HOLES MAXTAL ORM+ SUP TUBELESS ZICRAL

Front wheel available versions:
9 mm QR
20x110

STANDARD INTERNATIONAL

Crosstrail Disc

Access to tubeless and Mavic specific technologies in a very versatile wheel set
This wheel can do it all: epic rides as well as excel in demanding cross mountain rides. It benefits from all the latest Mavic technologies such as Fore™ drilled rim that makes it more resistant and compatible with tubeless tires. Also available in a lefty version.

Responsive ride thanks to low weight

Efficient wheelset that delivers direct power transfer

Stunning looks

1820 g pair
845 g front / **975 g** rear

Front wheel available versions:
9 mm QR
Lefty

STANDARD INTERNATIONAL | CENTER LOCK

Crosstrail

Access to tubeless and Mavic specific technologies in a very versatile wheel set
This wheel can do it all: epic rides as well as excel in demanding cross-mountain rides. It benefits from all the latest Mavic technologies such as Fore™ drilled rim that makes it more resistant and compatible with tubeless tires.

Responsive ride thanks to low weight

Efficient wheelset that delivers direct power transfer

Stunning look

1750 g pair
795 g front / **955 g** rear

Crossride Disc new

Discover Mavic quality and performance on the trails
Entry level at Mavic always means full quality and reliability. This is even truer this year with the new Crossride. 40g lighter thanks to new hubs but also stiffer with a new rim profile, the Crossride Disc just keeps getting better, still an incredible value.

Lighter and stiffer thanks to the latest improvements

Efficient and reliable wheelset thanks to high-end features

Unique aesthetics will make any bike look better

1905 g pair
885 g front / **1020 g** rear

STANDARD INTERNATIONAL | CENTER LOCK

MOUNTAIN BIKE - CROSS-MOUNTAIN

Crossride UB Disc new

Discover Mavic quality and performance on the trails
Entry level at Mavic always means full quality and reliability. This is even truer this year with the new Crossride. 40g lighter thanks to new hubs but also stiffer with a new rim profile, the Crossride Disc just keeps getting better, still an incredible value. Compatible both with rim or disc brakes.

Lighter and stiffer thanks to the latest improvements

Efficient and reliable wheelset thanks to high-end features

Dual braking compatibility

1940 g pair
900 g front / **1040 g** rear

STANDARD
INTERNATIONAL

Crossride UB

Discover Mavic quality and performance on the trails
Entry level at Mavic means full quality, durability and performance. The QRM™ bearings are replaceable and the straight pull spokes are stronger than J bent spokes. The new Crossride UB benefits from a narrower and lighter rim for increased responsiveness.

Efficient and reliable wheelset thanks to high-end features

Dynamic and responsive thanks to controlled weight

1750 g pair
805 g front / **945 g** rear HG9

MOUNTAIN BIKE - ENDURO FR

Crossmax SX new

The benchmark of enduro wheels, light, fast and responsive
For 2009 the Crossmax SX gets a totally new freehub design, goes on a 165 gram diet, and gets a hot new look. New ITS 4 pawl system delivers instant engagement and transfer of pedaling energy and a new interspoke milling (ISM) significantly reduces the weight and inertia of the wheel. These new technologies add a dynamic performance to the SX whether going up the mountain or down. Front wheel optimized for use with 20x110 thru axle only.

Lightning fast accelerations and instant power transfer

Increased riding control, better steering precision and higher strength

Featherlight weight for the category, that makes for a most dynamic ride

1755 g pair
825 g front / **930 g** rear

STANDARD
INTERNATIONAL

CENTER
LOCK

MOUNTAIN BIKE - ENDURO FR

EXTREME MOUNTAIN BIKE

Crossline new

Full enduro program at a fraction of the price
Packed with features and very reasonnably priced, the Crossline is for those on a budget seeking true enduro/ freeride performance. Light and responsive thanks to a new ITS 4 freewheel, this new wheelset will let you choose your lines even on the most remote singletracks.

Strong and reliable for aggressive riding

Yet light enough for epic backcountry riding

Full compatibility with all retention systems

2055 g pair
970 g front / **1085 g** rear

QRM+ ITS-4 CENTER LOCK

STANDARD INTERNATIONAL | CENTER LOCK

Deemax new

The Deemax Revolution: lighter, faster, more responsive
Performance in DH racing and extreme freeride is a subtle compromise between strength and weight, lateral stiffness and vertical compliance, stability and maneuverability. The new Deemax found the sweet spot on all of those and will provide you with a sharp edge on your toughest competition. A totally new freehub design for faster engagement, a more compliant rim for better control and hundreds of grams lighter make this the best Deemax ever. Rear wheel available in 135 or 150.

Lighter and more compliant means faster

Improved reactivity, better control of the ground

Still super strong and reliable wheelset that will take any abuse

2160 g pair
1010 g front / **1150 g** rear

FORE ISM RAATAL QRM+ SUP TUBELESS ITS-4 SRC

Rear wheel available versions:
9/12 mm x 135 / 12 x 150

STANDARD INTERNATIONAL

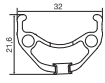
Deetraks new

The most versatile available wheel for any kind of extreme MTB
Bearclaw. Boyko. Zinc. The World's best slopestylers told us what we needed for a great freeride wheel and we listened. Tough as hell, and great for big mountain freeride, slopestyle, dirt jumping, street riding or whatever, the new Deetraks can do it all. And if you crash and need maintenance, universal replacement parts are easy to find and will never keep you from riding your bike. Rear wheel available in 135 or 150.

Rock strong to take all the abuse but lightweight for the category

High quality hubs for great rolling quality and instant accelerations

Standard parts are easy to source when replacement is needed



2255 g pair
1085 g front / **1170 g** rear

QRM+ ITS-4 CENTER LOCK

Rear wheel available versions:
9/12 mm x 135
12 x 150

STANDARD INTERNATIONAL

ROAD & TRIATHLON AERODYNAMIC

CXP 33
All Mavic's know how on high end aluminium rims is gathered to deliver the perfect balance of weight and aerodynamics

Weight Ø 700: 470g / Ø 650: 432g

28/32/36 | 28/32 Ø 650c | 32/36

CXP 23
Aerodynamics and performance in a mid range rim that benefits from high end technology

Weight: 480g

32

CXP 22
Aerodynamics perfectly priced

Weight Ø 700: 510g / Ø 650: 475g

28/32/36 | 32 Ø 650c | 32

ROAD & TRIATHLON MULTIPERFORMANCE

Open Pro
Often copied, never surpassed. The famous Open Pro is the best "do it all" road rim

Weight Ø 700: 435g / Ø 650: 390g

32/36 | 32/36 | 28/32/36

32 Ø 650c | 32/36

Reflex
Extremely light, the best road race tubular rim on the market

Weight: 375g

32/36 | 32/36

Open Sport
The entry level road rim enhanced by Mavic's expertise

Weight: 490g

32/36 | 32/36

ASPHALT

A 719
All Mavic's know how and high end technologies in a tough and durable All Road rim

Weight: 567g

32/36/40 | 36

A 317 Disc
High value rim for disc brake equiped trekking bikes

Weight: 538g

32 | 32/36

A 319
Strong and durable, a best seller in its category

Weight: 597g

32/36 | 32/36

A 119
Mavic's know how ensures high quality for this entry level rim

Weight: 540g

32/36 | 32/36

MOUNTAIN BIKE CROSS-COUNTRY RACING

XC 717 Disc
This light, yet solid rim is the benchmark in Cross Country disc rims

Weight: 395g

32/36 | 32

XC 717
This light, yet solid rim is the benchmark in Cross Country rims

Weight: 420g

32 | 28/32/36 | 32/36

MOUNTAIN BIKE CROSS-MOUNTAIN

XM 819 Disc
The best Cross Mountain disc rim on the market and the only one that delivers UST performance

Weight: 450g

32

XM 819
The best Cross Mountain V-brake rim on the market and the only one that delivers UST performance

Weight: 475g

32

XM 719 Disc
The perfect disc rim to enjoy epic rides

Weight: 475g

32/36

TN 719 Disc

Mavic Cross Mountain performance perfectly adapted to 29” riders

Weight: 510g

32/36

XM 719

The perfect V-Brake rim to enjoy epic rides

Weight: 510g

32/36 | 32

XM 517

All Mavic technologies and know-how fitted into a mid level mountain bike rim

Weight: 420g

28/32

XM 317 Disc

Strong and durable, this is the perfect all round disc rim

Weight: 445g

28/32/36

XM 317

Strong and durable, this is the perfect all round V-brake rim

Weight: 440g

28/32/36 | 32/36

XM 117 Disc

Disc brake specific design for this entry level rim

Weight: 475g

32/36

XM 117

UB Control™ sidewalls for this entry level rim

Weight: 440g

32/36

MOUNTAIN BIKE
ENDURO FR

EN 521 Disc

Strong, yet light rim for Enduro and light Freeride

Weight: 540g

32/36

EN 321 Disc

A solid and affordable rim to suit the needs of the most demanding enduro riders

Weight: 570g

32/36

MOUNTAIN BIKE
EXTREME MOUNTAIN BIKE

EX 823 Disc

The only UST rim available for Extreme Mountain Bike purposes is also the most advanced

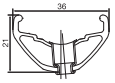
Weight: 657g

32/36

EX 729 Disc

The rim benchmark for the most demanding extreme riders

Weight: 675g

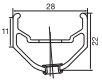


32/36

EX 721

The most victorious rim in downhill racing

Weight: 590g

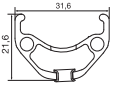


32/36 | 32/36

EX 325 Disc

A versatile and affordable rim answering the needs of extreme mountain bikers

Weight: 716g



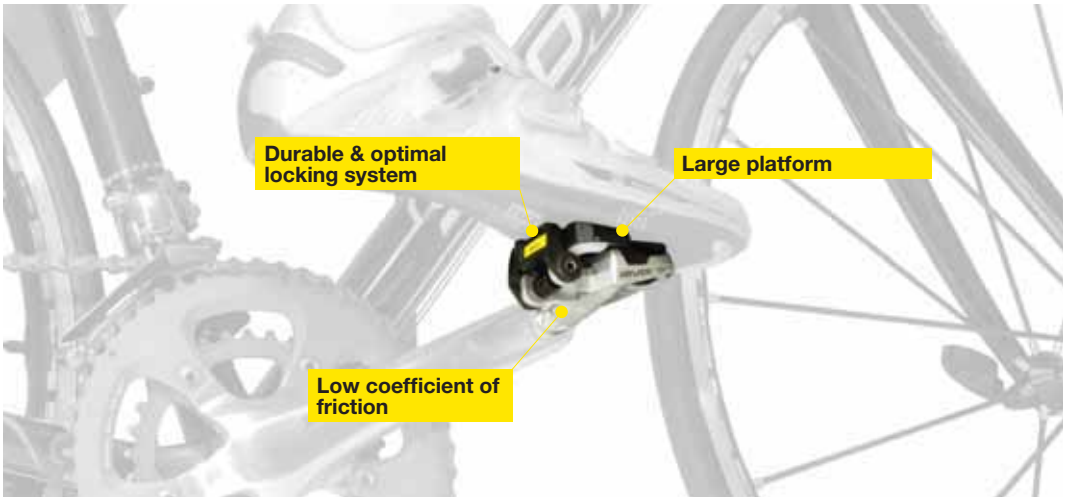
32/36

Color key

Ceramic | CD | Black | Silver

Pedals

Optimal energy transfer



ETS Energy Transfer System

Energy Transfer System (ETS) for optimal rider/ bike interface. Road pedals feature large cleat/pedal contact area for maximum energy transmission. MTB pedals feature increased shoe outsole and pedal contact for energy transmission, control and stability.

Increased shoe outsole and pedal contact (road pedals)

Large contact area, stability and control (MTB)

QRM

Sealed Cartridge Bearings require no specific maintenance and are interchangeable. SCB produce low friction and maximum rolling fluidity.

Low coefficient of friction

Serviceable sealed cartridge bearings

DuraCleat

Strategically placed wear resistant zones on the road cleat to preserve the locking system and maintain energy transfer over the time.

Locking system preserved

Cleat durability

Easier walking

Race SL TI

Super-light titanium pedal that offers excellent power-transfer, durability and ease-of-use

Whether you're climbing an epic mountain pass or sprinting for the finish line, you'll appreciate the efficiency and lightweight of the Race SL Ti so all of your hard earned energy is transmitted into acceleration. Titanium axle, large cleat/ pedal contact area, low friction QRM bearings, carbon-reinforced plates and adjustable release tension combine to make this the pedal of choice for those that want the best.

Lightweight high performance

Low friction + maintenance

Easy to use/adjustability

110g / pedal

Road Cleat Set 0°

Replacement cleat with minimal float

Race

High performance race ready pedal

Lightweight performance for road racers that offers real quality to help you push your limits. ETS technolgy increases pedal to cleat contact area while features like the QRM bearings and the Duracleat let you focus on your racing.

Lightweight construction

Easy to use/ adjustability

Tough reliability

130g / pedal

Road Cleat Set 7°

Replacement cleat with more of float
Delivered with the pedals

Avenir

High performance race ready pedal

Reliable perfomance offering great energy transmission and value. High effeciency with many of the high end features will make the Avenir perform.

Lightweight performance and value

Easy to use/ adjustability

Quality and value

145g / pedal

XC Pro TI

A pure XC racing pedal for competitive riders looking for lightweight, performance and durability

The lightweight construction, impact resistant body with optimal contact and mud repellency let you push your limits whether you are grinding up the long climbs or you are weaving through the tightest single track.

Lightweight

Optimal energy transfer and control

Race proven durability

105g / pedal

XC Race

A race ready XC racing pedal that offers reliable performance

Performance that won't let you down. Solidly constructed with QRM bearings and a trail tested design, this is a serious race pedal that offers optimal contact, lightweight, mud repellency and value.

Lightweight

Optimal energy transfer and control

Trail tested durability

130g / pedal

Trail Max

All around trail performance pedal with larger contact area to help you clear the most technical sections

Trail friendly design offers real functionality for the mudiest technical single track. Shock resistant body offers excellent mud shedding and control.

Optimal contact and pedal control

Reliable trail performance

Durability

180g / pedal

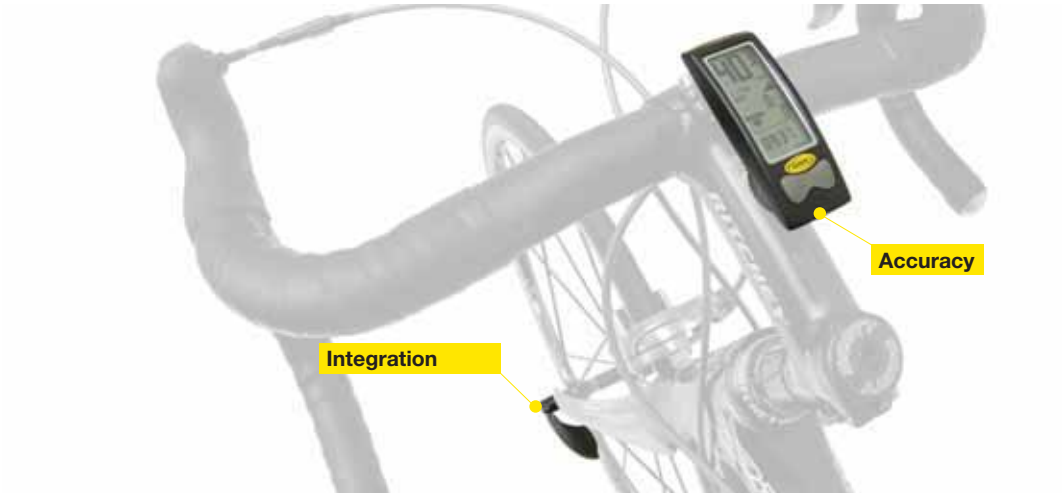
MTB Cleat Set

Complete set of replacement MTB cleats

Delivered with the pedals

Computers

A better control of your performance



WIN

Wireless Integrated Network
2.4 GHz transmission
Our new 2.4 Ghz high frequency provides an even more reliable transmission, even when the sensor is far from the computer.
Each element of the system “talks” with the others to ask and send the information that is necessary to execute a command. This dialog works on encoded digital waves. The amount of frequencies are infinite, so that each single system works on its own frequency, allowing for a digititally hermetic functioning with regards to external solicitations (EMF) or other WIN-Tech systems around.

Reliable, no possible breakdown, no possible interference, thanks to the digitally encoded waves

A patented Mavic® technology for a perfect data transmission inbetween elements

Aesthetically pleasing, no wires, no cables running along your bike frame and bar

E-skewers

The speed sensor is located in the lever of the front wheel’s quick release. When closing the lever, the user simply installs the lever in the position where it will get the signal from the wheel magnet.

Clean mounting, integrated components

Super fast installation, no fussing around with zip ties on the fork legs

E-Bolt

The speed sensor is integrated to the locknut of the quick release, and its position can be adjusted anywhere around the fork when installed.

Clean mounting, integrated components, fast installation

Compatible with all forks, road or mountain

Wintech Ultimate new

The most complete Wintech cycle computer ever: HR monitor, altimeter, classic cycling function, cadence (option).

- Complete range of functions for exhaustive performance control
- Reliable and accurate data transmission
- Clean bike

Wintech HR

Heart rate cycle computer with QR integrated sensor

- Useful, straightforward HR functions that help you improve your performances
- Simple and easy to assemble, to set-up and to use
- Reliable and accurate data transmission

Wintech Alti

Highly precise wireless altimeter integrated into a bike computer

- Very accurate altimeter that also provides unique new functions
- Estimate your performance on specific sections
- Reliable and accurate data transmission

Wintech ES

Wireless digital cycle computer with QR integrated sensor

- Reliable and accurate data transmission
- Neat bike
- Simple and straightforward computer with all and only the needed functions

Wintech E-Bolt

Ingenious speed sensor integrated into the QR locknut

- Neat bike
- Compatible with all bikes and all type of riding
- Reliable and accurate data transmission

Wintech FS new

2.4 GHz digital wireless transmission made affordable

- Reliable and accurate data transmissions
- Traditional fork sensor for easy mounting
- Simple and straightforward computer with all and only the needed functions

Pedaling cadence
(optional)

Check your pace. Wireless pedaling cadence sensor. Simple, discreet, easy to fit and adjust. Compatible with all Wintech computer.

Home trainer kit
(optional)

Check your performance on a Home Trainer. Continue to train all year round using the constant performance data. Fit the Home Trainer compatible speed sensor to the rear wheel and train through winter. Compatible with all Wintech computer.

2nd Bike Kit
(optional)

The automatic second bike recognition function allows the same computer to be used easily on two different bikes. Compatible with all Wintech computer.

FUNCTIONS	Ultimate	HR	Alti	ES	E-Bolt	FS
Current speed (km/h or m/h)	●	●	●	●	●	●
Average speed	●	●	●	●	●	●
Maximum speed	●	●	●	●	●	●
Tendency indicator	●	●	●	●	●	●
Daily distance (km or m)	●	●	●	●	●	●
Usable on 2 bikes and on Home Trainer (optional)	●	●	●	●	●	●
Total distance for bike 1, 2 and Home Trainer	●	●	●	●	●	●
Total accumulated distance (km or m)	●	●	●	●	●	●
Clock	●	●	●	●	●	●
Stopwatch	●	●	●	●	●	●
Up to 9 intermediary stopwatches	●	●	●	●	●	●
Pedalling cadence (optional)	●	●	●	●	●	●
Instant heart rate (in ppm or %Max)	●	●				
Average heart rate	●	●				
Maximum heart rate	●	●				
Programmable work zones	●	●				
Time spent in, over and below work zone	●	●				
Current altitude (m or ft)	●		●			
Maximum and minimum altitude throughout the ride	●		●			
Actual height climbed	●		●			
Climbing speed	●		●			
Slope	●		●			
Altitude storage memory	●		●			
Temperature	●		●			

FEATURES	Ultimate	HR	Alti	ES	E-Bolt	FS
WIN® wireless digital high frequency data transmission, 2.4 GHz	●	●	●	●	●	●
Speed sensor integrated into quick releases	●	●		●		
Speed sensor integrated into quick-release locking bolt			●		●	
Traditional fork speed sensor						●
Automatic detection of bike 1, 2 or HT	●	●	●	●	●	●
Resetting of intermediary stopwatches: Time, AVS, DST		●		●	●	●
Resetting of intermediary stopwatches: Time, AVS, DST, average climbing speed, average slope	●		●			
LCD screen	●	●	●	●	●	●
Centre mounting at front of stem	●	●	●	●	●	●

MODEL	Weight*	Rim							Spokes		
		Material	Height	Joint	Drilling	Eyelets	Braking surface	Lowering	Material	Shape	Number
iO™	front 750										
Comete® Track	rear 980										
Ellipse™	front 955 rear 1040	6106 aluminum	30 mm	SUP	traditional	profiled			stainless steel	straight pull, bladed	front 20 rear 20
Comete® Road	rear 1150			SUP							
Cosmic® Carbone Ultimate	front 520 rear 665	100% woven 12K carbon fiber	40 mm, asymmetrical		no holes, spokes molded to rim		carbon		carbon	rim to rim technology, aero	front 20 rear 20
Cosmic® Carbone SLR	front 725 rear 870	Maxtal and 12K carbon fiber	52 mm	SUP	traditional	single	UB Control	ISM	carbon	rim to rim technology, aero	front 20 rear 20
Cosmic® Carbone SL	front 780 rear 960	Maxtal and 12K carbon fiber	52 mm	SUP	traditional	single	UB Control	ISM	steel	straight pull, bladed	front 16 rear 20
Cosmic® Carbone Pro Powertap	front 710 rear 1070	100% woven 12K carbon fiber	52 mm		traditional		carbon		stainless steel	straight pull, J-Bent, bladed, double butted	front 16 rear 20
Cosmic® Carbone SL Powertap	front 780 rear 1120	Maxtal and 12K carbon fiber	52 mm	SUP	traditional	single	UB Control	ISM	stainless steel	straight pull, J-Bent, bladed, double butted	front 16 rear 20
Cosmic® Elite	front 890 rear 1010	6106 aluminum	30 mm	SUP	traditional	profiled	UB Control		stainless steel	straight pull, bladed	front 20 rear 20
R-Sys™ Premium	front 575 rear 785	Maxtal	22 mm 25 mm asymmetrical	SUP	Fore		UB Control	ISM	carbon and Zicral	TraComp tubular and straight pull, bladed	front 16 rear 20
R-Sys™	front 575 rear 790	Maxtal	22 mm 25 mm asymmetrical	SUP	Fore		UB Control	ISM	carbon and Zicral	TraComp tubular and straight pull, bladed	front 16 rear 20
Ksyrium™ SL Premium	front 645 rear 835	Maxtal	22 mm 25 mm asymmetrical	SUP	Fore		UB Control	ISM	Zicral	straight pull, bladed	front 18 rear 20
Ksyrium™ SL	front 645 rear 840	Maxtal	22 mm 25 mm asymmetrical	SUP	Fore		UB Control	ISM	Zicral	straight pull, bladed	front 18 rear 20
Ksyrium™ Elite	front 675 rear 875	Maxtal	22 mm 25 mm asymmetrical	SUP	Fore		UB Control	ISM	stainless steel	straight pull, bladed	front 18 rear 20
Ksyrium™ Equipe	front 810 rear 960	6106 aluminum	24 mm	SUP	traditional	H2	UB Control		stainless steel	straight pull, bladed	front 18 rear 20
Aksium™	front 870 rear 985	6106 aluminum	21 mm	pinned	traditional	H2	UB Control		stainless steel	straight pull, bladed	front 20 rear 20
Speedcity®	front 870 rear 1100	Maxtal	25 mm	SUP	Fore	aluminum threaded			stainless steel	straight pull, round	front 24 rear 24
Crossmax™ SLR Disc	front 690 rear 830	Maxtal	17 mm, asymmetrical	SUP	Fore			ISM3D	Zicral	straight pull, bladed, double butted	front 24 rear 24
Crossmax™ SLR	front 600 rear 820	Maxtal	17 mm	SUP	Fore		Ceramic 2	ISM	Zicral	straight pull, bladed, double butted	front 18 rear 20
Crossmax™ SL Disc	front 690 rear 840	Maxtal	17 mm	SUP	Fore			ISM	Zicral	straight pull, bladed, double butted	front 24 rear 24
Crossmax™ ST Disc	front 745 rear 895	Maxtal	19 mm	SUP	Fore			ISM with central spine	Zicral	straight pull, round	front 24 rear 24
Crossmax™ ST	front 700 rear 870	Maxtal	19 mm	SUP	Fore		Ceramic 2	ISM with central spine	Zicral	straight pull, round	front 18 rear 20
C29ssmax™	front 815 rear 935	Maxtal	19 mm	SUP	Fore			ISM	Zicral	straight pull, round	front 24 rear 24
Crosstrail™ Disc	front 845 rear 975	Maxtal	19 mm	SUP	Fore			ISM	stainless steel	straight pull, bladed	front 24 rear 24
Crosstrail™	front 795 rear 955	Maxtal	19 mm	SUP	Fore		UB Control	ISM	stainless steel	straight pull, bladed	front 18 rear 20
Crossride™ Disc	front 885 rear 1020	6106 aluminum	19 mm	pinned	traditional	H2			steel	straight pull, bladed	front 24 rear 24
Crossride™ UB Disc	front 900 rear 1040	6106 aluminum	19 mm	pinned	traditional	H2	UB Control		stainless steel	straight pull, bladed	front 24 rear 24
Crossride™ UB	front 805 rear 945	6106 aluminum	17 mm	pinned	traditional	H2	UB Control	External wear indicator	steel	straight pull, bladed	front 20 rear 20
Crossmax™ SX	front 825 rear 930	Maxtal	21 mm	SUP	Fore			ISM	Zicral	straight pull, round	front 24 rear 24
Crossline	front 970 rear 1085	6106 aluminum	21 mm	pinned	traditional	single			steel	straight pull, round, double butted	front 28 rear 28
Deemax®	front 1010 rear 1150	Maxtal	23 mm	SUP	Fore			ISM with central spine	stainless steel	straight pull, round, double butted	front 28 rear 32
Deetraks	front 1085 rear 1170	6106 aluminum	25 mm	pinned	traditional	single			steel	J-bent, round, double butted	front 32 rear 32

** The weights stated are without quick release skewers, without rim tape and without valves for UST wheels.*
The weights of road wheels are those for Ø700 and ED10 versions (add 15 grams to the rear wheel for M10 versions).
The weights of MTB wheels are those for the International Standard versions.

*** Maintenance tools specific to each wheel are supplied in the packaging.*

	Hub				Compatibility					Supplied with**
Lacing	Hub body	Axle	Bearings	Free wheel system	Clincher	Cassette	Disc brakes	Assembly	ETRTO	
	aluminum	aluminum	QRM		tubular			9 x 100	tubular	fixing nuts, wheelbag
	aluminum	aluminum	QRM	fixed cog	tubular			9 x 120	tubular	fixing nuts, wheelbag
front radial, rear x 2	aluminum	steel	QRM+	fixed cog	clincher	double threaded rear hub		9 x 100	622 x 13c	fixing nuts
	aluminum	aluminum	QRM	FTS-L, steel	clincher or tubular	ED10 or M10		9,5 x 130	622 x 13c	BR601 quick release
x2 front and rear drive side, radial non drive side	100% carbon fiber aluminum	aluminum	QRM+	FTS-L, steel	tubular	ED10 or M10		9 x 100 9,5 x 130	tubular	BR601 titanium quick releases, wheelbags, wheel magnet
front and rear x 2	aluminum	aluminum	QRM+	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 13c	BR601 quick releases, wheelbags, wheel magnet
radial front and rear non-drive side, x 2 rear drive side	aluminum	aluminum	QRM+	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 13c	BR301 quick releases
front radial rear Isopulse	carbon Powertap SL 2.4	aluminum	QRM+ (front) Powertap SL 2.4	Powertap SL 2.4	tubular	ED10 or M10		9 x 100 9,5 x 130	tubular	BR601 titanium quick releases, wheelbags, wheel magnet
radial front and rear non-drive side, x 2 rear drive side	aluminum Powertap SL 2.4	aluminum	QRM+ (front) Powertap SL 2.4	Powertap SL 2.4	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 13c	BR301 quick releases
radial front and rear non-drive side, x 2 rear drive side	aluminum	steel	QRM	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 13c	BR101 quick releases
radial front and rear non-drive side, x 2 rear drive side	aluminum carbon	aluminum titanium and aluminum	QRM+	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 15c	BR601 titanium quick releases, wheelbags, integrated wheel magnet
radial front and rear non-drive side, x 2 rear drive side	aluminum	aluminum	QRM+	FTS-L, steel	clincher or tubular	ED10 or M10		9 x 100 9,5 x 130	622 x 15c	BR601 quick releases, wheelbags, integrated wheel magnet
front radial rear Isopulse	oversized carbon aluminum	aluminum titane and aluminum	QRM+	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 15c	BR601 titanium quick releases, wheelbags, wheel magnet
front radial rear Isopulse	oversized carbon aluminum	aluminum	QRM+	FTS-L, steel	clincher or tubular	ED10 or M10		9 x 100 9,5 x 130	622 x 15c	BR601 quick releases, wheel magnet
front radial rear Isopulse	aluminum	aluminum	QRM+	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 15c 571 x 15c	BR301 quick releases
front radial rear Isopulse	aluminum	steel	QRM	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 13c	BR101 quick releases
radial front and rear non-drive side, x 2 rear drive side	aluminum	steel	QRM	FTS-L, steel	clincher	ED10 or M10		9 x 100 9,5 x 130	622 x 15c	BR101 quick releases
front and rear 2	aluminum	steel	QRM	FTS-L, steel	clincher	M10	INT or CL	9 x 100 9,5 x 135	622 x 13c	BR101 quick releases
front x 2 rear Isopulse	oversize aluminum	aluminum titanium and aluminum	QRM+	FTS-X, steel	UST Tubeless and tubetype	HG 8/9-speed	INT or CL	9 & 15 x 100 20 x 110, Lefty 9,5 x 135	559 x 17c	BX601 titanium quick releases, wheelbags, UST valve, wheel magnet
front radial rear Isopulse	oversized carbon aluminum	aluminum titanium and aluminum	QRM+	FTS-X, steel	UST Tubeless and tubetype	HG 8/9-speed		9 x 100 9,5 x 135	559 x 17c	BX601 titanium quick releases, wheelbags, UST valve, wheel magnet
front x 2 rear Isopulse	oversize aluminum	aluminum titanium and aluminum	QRM+	FTS-X, steel	UST Tubeless and tubetype	HG 8/9-speed	INT or CL	9 x 100 9,5 x 135	559 x 17c	BX601 quick releases, UST valve, wheel magnet
front x 2 rear Isopulse	oversize aluminum	aluminum	QRM+	FTS-X, steel	UST Tubeless and tubetype	HG 8/9-speed	INT or CL	9 & 15 x 100 20 x 110, Lefty 9,5 x 135	559 x 19c	BX601 quick releases, UST valve, wheel magnet
front radial rear Isopulse	oversize aluminum	aluminum	QRM+	FTS-X, steel	UST Tubeless and tubetype	HG 8/9-speed		9 x 100 9,5 x 135	559 x 19c	BX601 quick releases, UST valve, wheel magnet
front x 2 rear Isopulse	oversize aluminum	aluminum	QRM+	FTS-X, steel	UST Tubeless and tubetype	HG 8/9-speed	INT	9 x 100 20 x 110 9,5 x 135	622 x 19c	BX601 quick releases, UST valve, wheel magnet
front x 2 rear x 2	aluminum	steel	QRM	FTS-X, steel	UST Tubeless and tubetype	M10	INT or CL	9 x 100 Lefty 9,5 x 135	559 x 19c	BR101 quick releases, UST valve
front radial rear x 2	aluminum	steel	QRM	FTS-X, steel	UST Tubeless and tubetype	M10		9 x 100 9,5 x 135	559 x 19c	BR101 quick releases, UST valve
front x 2 rear x 2	aluminum	steel	QRM	FTS-X, steel	tubetype	M10	INT or CL	9 x 100 9,5 x 135	559 x 19c	BR101 quick releases
front x 2 rear x 2	aluminum	steel	QRM	FTS-X, steel	tubetype	M10	INT	9 x 100 9,5 x 135	559 x 19c	BR101 quick releases
radial front and rear non-drive side, x2 rear drive side	aluminum	steel	QRM	FTS-X, steel	tubetype	M10		9 x 100 9,5 x 135	559 x 17c	BR101 quick releases
front x 2 rear x 2 non-drive side, x 1 drive side	oversize aluminum	aluminum	QRM+	ITS4, alloy	UST Tubeless and tubetype	HG 8/9-speed	INT or CL	20 x 110 only 9,5 & 12 x 135	559 x 21c	BX601 quick release, UST valve
front x 3 rear x 3	oversize aluminum	aluminum	QRM+	ITS4, alloy	tubetype	HG 8/9-speed	INT or CL	9 x 100 & 20 x 110 9,5 & 12 x 135	559 x 21c	BR101 quick release
front x 3 rear x 3	aluminum	aluminum	QRM+	ITS4, alloy	UST Tubeless and tubetype	HG 8/9-speed	INT	20 x 110 only 9,5 & 12 x 135 12 x 150	559 x 23c	UST valve
front x 3 rear x 3	aluminum	aluminum	QRM+	ITS4, alloy	tubetype	HG 8/9-speed	INT	9 x 100 & 20 x 110 9,5 & 12 x 135 12 x 150	559 x 25c	BR 101 quick release

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Indicated footwear weights +/- 5%. Indicated wheel weights +/- 5%, without rim tape, and without quick release skewer. Rim weight +/- 10%.
Please read carefully the recommendations for rim use in this document.
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