



Quai

About RSL

It all comes down to the question of stance and bracing angles. Wheel makers are all trying to create an isosceles triangle (or two equal right triangles) when an equal number of spokes are on each side. This aids in the equalization of spoke tension. This is where the wheel will get many of its positive or negative attributes. Because of the limits of the rear spacing and the fact that in that space you must have 9,10,11 and now 12 speeds (cogs), a disc brake rotor and room for caliper clearance it becomes very difficult to optimize.

Possible solutions to the problem:

1. You can have a high/low flange on the hub - This moves the high flange spoke angle a few degrees more than the short flange
2. You can have a rim offset - this moves both left and right spokes in the same direction and gets you the largest benefit.
3. You can "stack" the hub lacing if you have room. That will get you a little more width.
4. You can have the spokes kiss or brace each other. That will gain some stiffness.

We looked at the problem from the outside in. What if we created a high/low flange effect on the rim and why hadn't anyone thought of this before.

We looked at the problem from the outside in. What if we created a high/low flange effect on the rim and why hadn't anyone thought of this before.

1. As the high/low flange we were able to see a small change in bracing angle in the correct direction.
2. In addition to this the rim itself became stronger due to the large "box section" in the design
3. Finally, we were very happy with the aesthetic/optic or appearance of the rim. This is the comment we get most as the riders are drawn to it. As much as we love the technology people are drawn to the rim for its look.

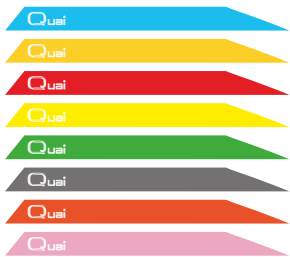
The RSL design not only resulted its stunning looks, it also gave birth to a box section rim that provides superior lateral stiffness and strength. The stiffness of the box section makes the wheel handle corners like a dream while providing greater overall wheel strength.



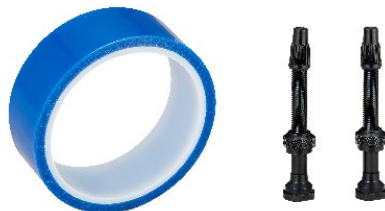
ISOS 700c GRAVEL ROAD CYCLOCROSS



Decal kit



Tubeless kit



Designed for Gravel grinding and comfort for long dirt paths.

Best fitted for Gravel, Cyclocross and Road

Version: PRO, PRO+, ULTIMATE
Weight: 1670g, 1645g, 1595g
Rim weight: 470g
Offset: 0
Spokes: Pillar Wing
Spoke type: S-pull
Spoke diameter: 2.0 - (0.9x2.2) - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

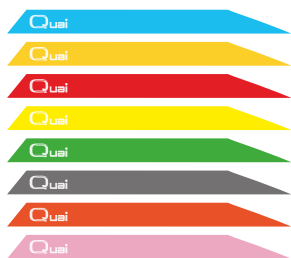
Carbon weave: UD
High Profile: 40 mm
Low profile: 35 mm
Outer width: 26 mm
Inner width: 20 mm
ETRTO: 623
Front bearings: 2x
Rear bearings: 4x

Front hub: QUAI, DT350, DT240
Front hub: QUAI, DT350, Dt240
Tubeless ready

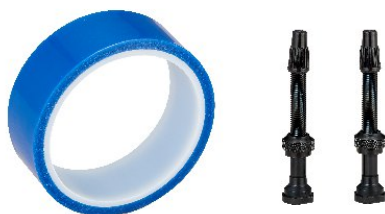
ISOS 27.5 XC TRAIL



Decal kit



Tubeless kit



Quai's RSL rim technology combined with our own 102 engagement hubs or DT Hubs and New Pillar Wings, offers riders stability to push harder and faster for those tough climb and technical descents.

Version: PRO, PRO+, ULTIMATE

Weight: 1540g, 1510g, 1460g

Rim weight: 410g

Offset: 3 mm

Spokes: Pillar Wing

Spoke type: S-pull

Spoke diameter: 2.0 - (0.9x2.2) - 2.0 mm

Spoke count: F28 x R28

Spoke tension: 120 Kgf max.

Carbon weave: UD

High Profile: 33 mm

Low profile: 27 mm

Outer width: 30 mm

Inner width: 25 mm

ETRTO: 586

Front bearings: 2x

Rear bearings: 4x

Front hub: QUA1, DT350, DT240

Front hub: QUA1, DT350, Dt240

Tubeless ready

Boost

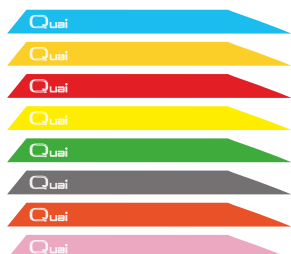
ISOS

29

XC TRAIL



Decal kit



Tubeless kit



Our RSL rim Technology combined with our own 102 engagement hubs or DT Hubset and Pillar Wing Spokes, offers riders stability to push harder and faster for those tough climb and technical descents.

Version: PRO, PRO+, ULTIMATE
Weight: 1610g, 1580g, 1520g
Rim weight: 410g
Offset: 3 mm
Spokes: Pillar Wing
Spoke type: S-pull
Spoke diameter: 2.0 - (0.9x2.2) - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

Carbon weave: UD
High Profile: 33 mm
Low profile: 27 mm
Outer width: 30 mm
Inner width: 25 mm
ETRTO: 623
Front bearings: 2x
Rear bearings: 4x

Front hub: QUAI, DT350
Front hub: QUAI, Dt350
Tubeless ready
Boost

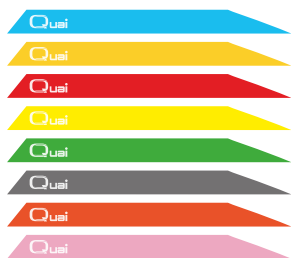
ISO S33

27.5

ENDURO



Decal kit



Tubeless kit



Quai wheels are equipped with DT350 or our own 102 engagement hubs, offers riders stability to push harder and faster through roots, rock gardens, technical descends and anything too Gnarly!

Version: PRO, PRO+
Weight: 1740g, 1710g
Rim weight: 460g
Offset: 3 mm
Spokes: Pillar 1415 double butted
Spoke type: S-pull
Spoke diameter: 2.0 - 1.8 - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

Carbon weave: UD
High profile: 26 mm
Low profile: 20 mm
Outer width: 37 mm
Inner width: 33 mm
ETRTO: 586
Front bearings: 2x
Rear bearings: 4x

Front hub: QUAI, DT350
Front hub: QUAI, DT350

Hookless
Tubeless ready
Boost

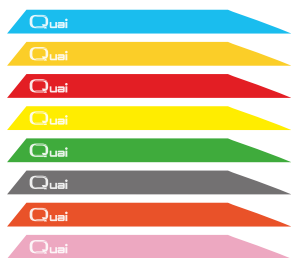
ISO S33

29

ENDURO



Decal kit



Tubeless kit



Quai wheels are equipped with our own 102 engagement hubs or DT350, offers riders stability to push harder and faster through roots, rock gardens, technical descends and anything too Gnarly!

Version: PRO, PRO+
Weight: 1800g, 1770g
Rim weight: 480g
Offset: 3 mm
Spokes: Pillar 1415 double butted
Spoke type: S-pull
Spoke diameter: 2.0 - 1.8 - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

Carbon weave: UD
High profile: 26 mm
Low profile: 20 mm
Outer width: 37 mm
Inner width: 33 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

Front hub: QUA1, DT350
Front hub: QUA1, DT350

Hookless
Tubeless ready
Boost

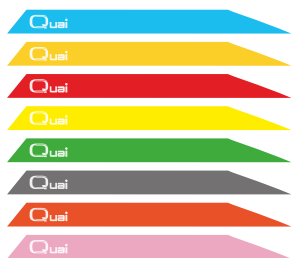
M SERIES

27.5

ENDURO



Decal kit



Tubeless kit



Version: PRO, PRO+
Weight: 1795g, 1675g
Rim weight: 430g
Offset: 3 mm
Spokes: Pillar 1415 double butted
Spoke type: S-pull
Spoke diameter: 2.0 - 1.8 - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 26 mm
Outer width: 36 mm
Inner width: 30 mm
ETRTO: 584
Front bearings: 2x
Rear bearings: 4x

M27.5" - with its 36mm outer/30mm inner width rim combined with our own 102 engagement hubs or industry standard Dt350 hub and Pillar 1415 double butted. Strikes a perfect balance for those intimidating Enduro descents, roots, rock gardens, and gaps.

Front hub: QUAI, DT350
Front hub: QUAI, Dt350

Tubeless ready
Boost

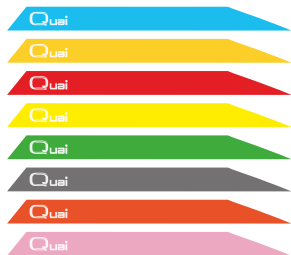
M SERIES

29er

ENDURO



Decal kit



Tubeless kit



M29" - with its 36mm outer/30mm inner width rim combined with our own 102 engagement hubs or industry standard Dt350 hub and Pillar 1415 double butted. Strikes a perfect balance for those intimidating Enduro descents, roots, rock gardens, and gaps.

Version: PRO, PRO+
Weight: 1795g, 1675g
Rim weight: 430g
Offset: 3 mm
Spokes: Pillar 1415 double butted
Spoke type: S-pull
Spoke diameter: 2.0 - 1.8 - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 26 mm
Outer width: 36 mm
Inner width: 30 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

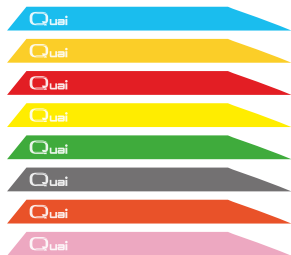
Front hub: QUA1, DT350
Front hub: QUA1, Dt350

Tubeless ready
Boost

G40 700c GRAVEL



Decal kit



Tubeless kit



Quai's all new 40mm profile with 23mm inner width gravel wheelset. Designed for gravel grinding with comfort.

**AVAILABLE ON
ORDER ONLY!**

Version: PRO
Weight: 1600g
Rim weight: 441g
Offset: 0
Spokes: Pillar
Spoke type: S-pull
Spoke diameter: 2.0 - 1.8 - 2.0 mm
Spoke count: F24 x R24
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 40 mm
Outer width: 32 mm
Inner width: 23 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

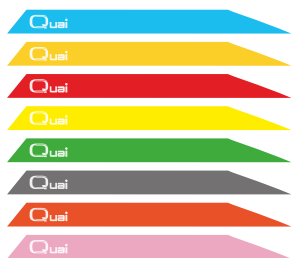
Front hub: QUAI
Front hub: QUAI

Tubeless ready

G24 700c GRAVEL



Decal kit



Tubeless kit



Quai's all new 24mm inner width gravel wheelset.
Perfect for a long journey down dirt roads.

**AVAILABLE ON
ORDER ONLY!**

Version: PRO
Weight: 1524g
Rim weight: 377g
Offset: 3 mm
Spokes: Pillar
Spoke type: S-pull
Spoke diameter: 2.0 - 1.8 - 2.0 mm
Spoke count: F28 x R28
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 25 mm
Outer width: 29 mm
Inner width: 24 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

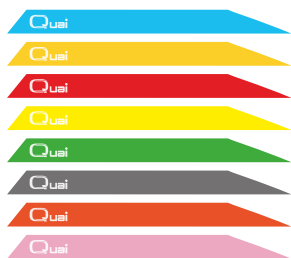
Front hub: QUAI
Front hub: QUAI

Tubeless ready

R40 700c



Decal kit



Tubeless kit



Quai's brand new 40mm profile carbon wheelset. Combined with an ultra light hubs gives the rider all the confidence to tackle those long ascending roads.

**AVAILABLE ON
ORDER ONLY!**

Version: PRO
Weight: 1400g
Rim weight: 430g
Offset: 0 mm
Spokes: Pillar
Spoke type: J-bend
Spoke diameter: 2.0-1.6-2.0 mm
Spoke count: F24 x R24
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 40 mm
Outer width: 27 mm
Inner width: 19 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

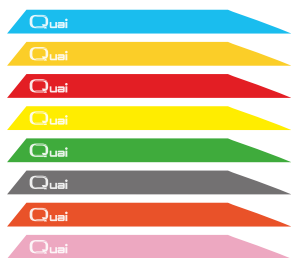
Front hub: QUAI - 78g
Front hub: QUAI - 208g

Tubeless ready

R30 700c



Decal kit



Tubeless kit



Quai's brand new 30mm profile carbon wheelset. Combined with an ultra light hubs gives the rider all the confidence to tackle those long ascending climbs.

**AVAILABLE ON
ORDER ONLY!**

Version: PRO
Weight: 1340g
Rim weight: 386g
Offset: 0 mm
Spokes: Pillar
Spoke type: J-bend
Spoke diameter: 2.0-1.6-2.0 mm
Spoke count: F24 x R24
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 30 mm
Outer width: 27 mm
Inner width: 19 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

Front hub: QUAI - 78g
Front hub: QUAI - 208g

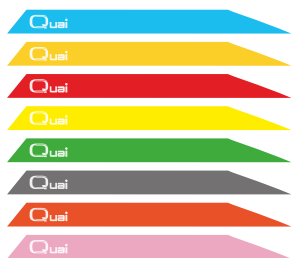
Tubeless ready

R40 DISC

700c



Decal kit



Tubeless kit



Quai's brand new 40mm profile carbon wheelset. Combined with an ultra light hubs gives the rider all the confidence to tackle those long ascending roads.

**AVAILABLE ON
ORDER ONLY!**

Version: PRO
Weight: 1540g
Rim weight: 430g
Offset: 0 mm
Spokes: Pillar
Spoke type: J-bend
Spoke diameter: 2.0-1.8-2.0 mm
Spoke count: F24 x R24
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 40 mm
Outer width: 30 mm
Inner width: 21 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

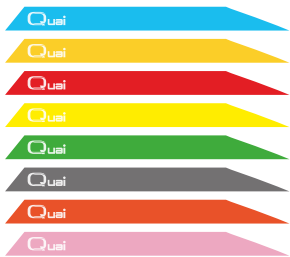
Front hub: QUAI - 138g
Front hub: QUAI - 257g

Tubeless ready

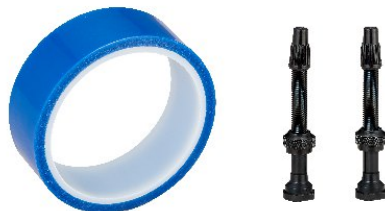
R30 DISC 700c 2018 LIMITED EDITION



Decal kit



Tubeless kit



Quai's brand new 30mm profile carbon wheelset. Combined with an ultra light hubs gives the rider all the confidence to tackle those long ascending climbs.

**AVAILABLE ON
ORDER ONLY!**

Version: PRO
Weight: 1420g
Rim weight: 380g
Offset: 0 mm
Spokes: Pillar
Spoke type: J-bend
Spoke diameter: 2.0-1.8-2.0 mm
Spoke count: F24 x R24
Spoke tension: 120 Kgf max.

Carbon weave: UD
Profile: 30 mm
Outer width: 30 mm
Inner width: 21 mm
ETRTO: 622
Front bearings: 2x
Rear bearings: 4x

Front hub: QUAI - 138g
Front hub: QUAI - 257g

Tubeless ready



QUAI EU

www.quai-wheels.eu

E-mail: info@quai-wheels.eu

Phone:

+420 728 581 532

+420 603 191 668

Bee Biker s.r.o., Smetanova 2375/12,
Blansko, 67801, Czech Republic
IČ: 01857223
DIČ: CZ 01857223