

DEALER
BOOK



ROAD 02



GRAVEL 40



MTB 50



E - ROAD & GRAVEL 60



E-MTB 62



OEM 72

TECHNOLOGIES 78





C L I M B S

ROAD

S W I T C H B A C K S

Every rider will be able to find the wheel that is best suited to his or her characteristics. The Fulcrum® road range offers solutions for every condition, course, discipline and budget. From the professional level full carbon wheels, to the high performance aluminium line, the Fulcrum® range offers a complete selection with two common denominators: quality and performance.



S P R I N T S



SPEED

AERO PERFORMANCES

**THE CARBON FAMILY
FOR UNPARALLELED
PERFORMANCE**



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SPEED 40 DB
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SPEED 40T DB
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SPEED 40C
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WIND

AERO ALL-AROUND

**THE AERO CARBON
RANGE THAT CAN
SATISFY ANY RIDER**



WIND 75 DB
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WIND 55 DB
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WIND 40 DB
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WIND 40 C
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RACING ZERO

CLIMBING ALL-AROUND

**THE EITHER CARBON OR ALU
FAMILY FOR UNPARALLELED
PERFORMANCE**



**RACING ZERO™
CARBON CMPTZN DB**
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CARBON DB**
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CARBON**
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**RACING ZERO™
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**RACING ZERO™
DB**
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RACING ZERO™
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RACING

TRAINING ALL-AROUND

**THE ALL-AROUND
ALUMINIUM RANGE
FOR CAREFREE RIDES**



RACING 3 DB
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RACING 3
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RACING 4 DB
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RACING 5 DB
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RACING 6 DB
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RACING 6
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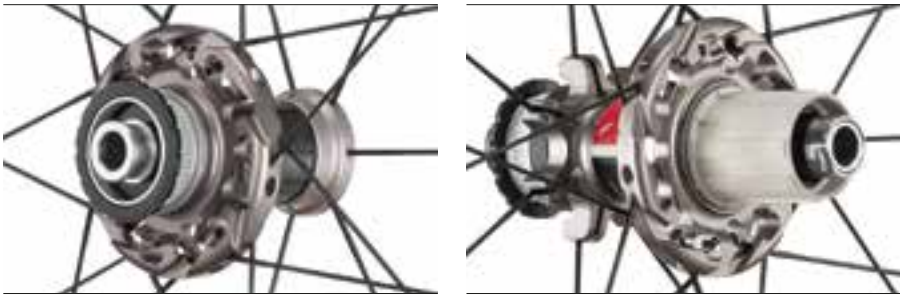
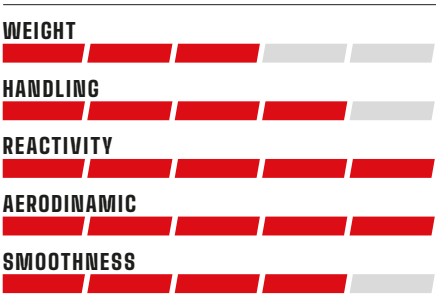
**RACING 7 DB /
RACING 7B DB 650**
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SPEED 55 DB NEW

WIDE AERO PROFILE / 2-WAY FIT™ TUBELESS / USB™ CERAMIC BEARINGS



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1580 g
Rim material	Carbon
Rim material details	Full carbon, Twill - carbon fiber finishing
Profile height	High
Rim height	Front and rear 55 mm
Rim width	26,5 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* DRP Kit and tubeless valves included

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

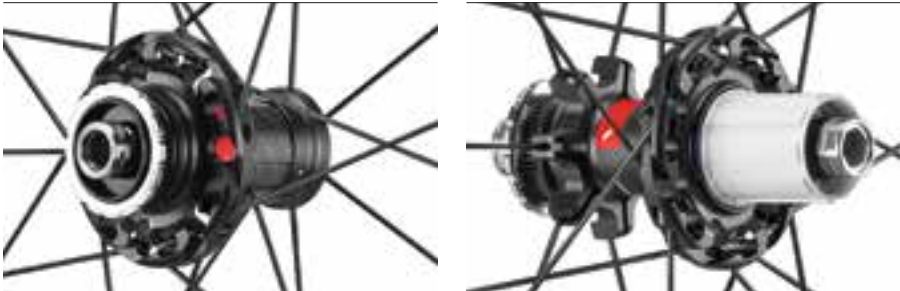


SPEED 55T DB

AERO PROFILE FOR DB / CULT™ CERAMIC BEARINGS / 1395 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Tubular
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1395 g
Rim material	Carbon
Rim material details	Full carbon, Twill - carbon fiber finishing
Profile height	High
Rim height	Front and rear 55 mm
Rim width	26,5 mm
Inner rim width (channel)	/
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

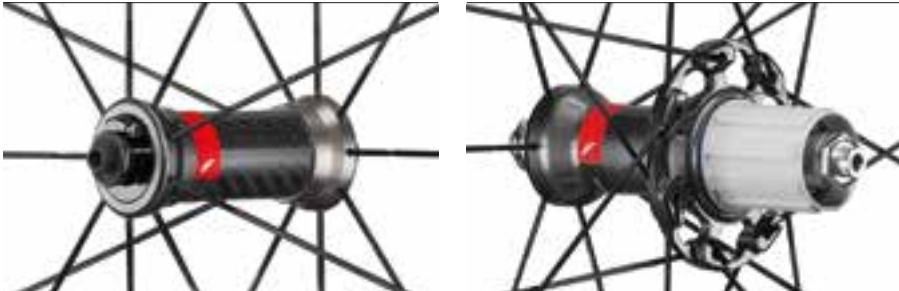
Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	CULT™ ceramic, Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel. Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

SPEED 55C

HIGH PROFILE 55 MM / TWILL CARBON FIBER / USB™ CERAMIC BEARINGS



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	1
Weight	1480 g
Rim material	Carbon
Rim material details	Full carbon, Twill - carbon fiber finishing
Profile height	High
Rim height	Front and rear 55 mm
Rim width	24,2 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Twill carbon fiber braking surface, AC3™ Treatment

Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	18, Left 9 - Right 9
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum flanges
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

* Available also as combo: Speed 40C front, Speed 55C rear – Weight 1450 g

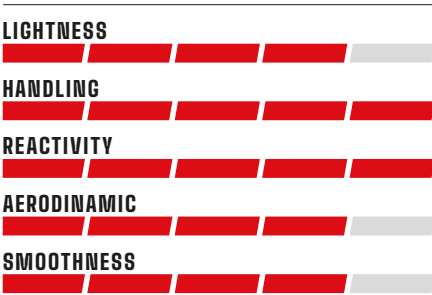


SPEED 40 DB

2-WAY FIT™ TUBELESS / USB™ CERAMIC BEARINGS / 1470 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1470 g
Rim material	Carbon
Rim material details	Full carbon, Twill - carbon fiber finishing
Profile height	Medium
Rim height	Front and rear 40 mm
Rim width	26,5 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

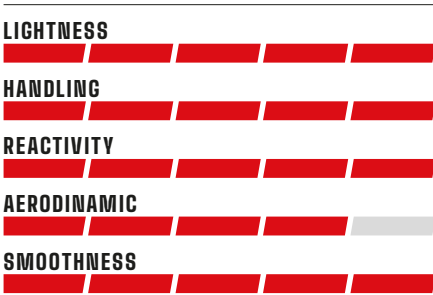
* DRP Kit and tubeless valves included

SPEED 40T DB

MEDIUM PROFILE FOR DB / CULT™ CERAMIC BEARINGS / 1320 g RACE SPECIFIC



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Tubular
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1320 g
Rim material	Carbon
Rim material details	Full carbon, Twill - carbon fiber finishing
Profile height	Medium
Rim height	Front and rear 40 mm
Rim width	26,5 mm
Inner rim width (channel)	/
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	CULT™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

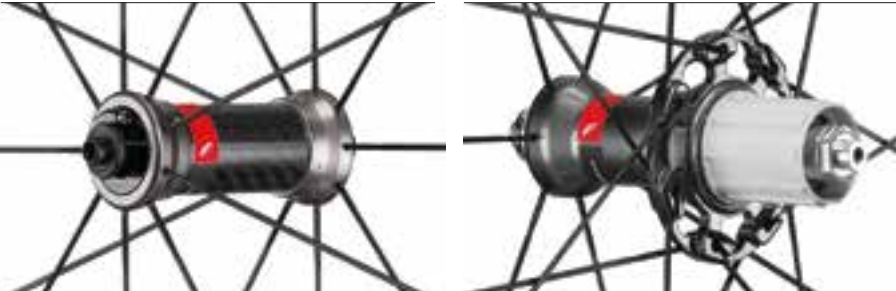


SPEED 40C

ALL-AROUND MEDIUM PROFILE / USB™ CERAMIC BEARINGS / 1400 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	1
Weight	1400 g
Rim material	Carbon
Rim material details	Full carbon, Twill - carbon fiber finishing
Profile height	Medium
Rim height	Front and rear 40 mm
Rim width	24,2 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Twill carbon fiber braking surface, AC3™ Treatment

Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	18, Left 9 - Right 9
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum flanges
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

* Available also as combo: Speed 40C front, Speed 55C rear – Weight 1450 g

WIND 75 DB

NEW

2-WAY FIT™ TUBELESS / DEEP AND WIDE AERO PROFILE FOR STABILITY / TRI SPECIFIC



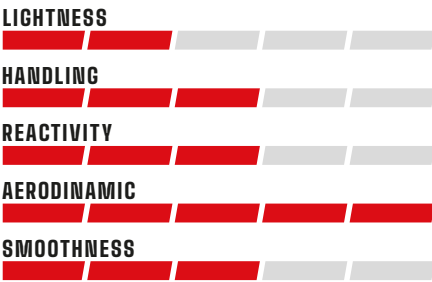
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1820 g
Rim material	Carbon
Rim material details	Full carbon, UD - carbon fiber finishing
Profile height	High
Rim height	Front and rear 75 mm
Rim width	27 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, XDR Optional N3W

*Available also rear wheel only. Tubeless valves included

WIND 55 DB

2-WAY FIT™ TUBELESS PROFILE / PROFILE FOR AERO-EFFICENCY / 1680 g



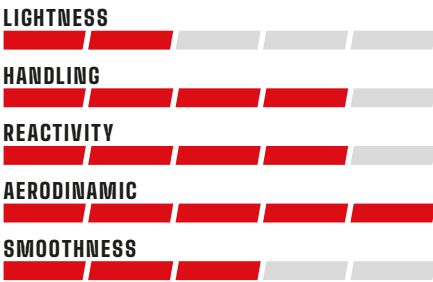
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1680 g
Rim material	Carbon
Rim material details	Full carbon, UD - carbon fiber finishing
Profile height	High
Rim height	Front and rear 55 mm
Rim width	27 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

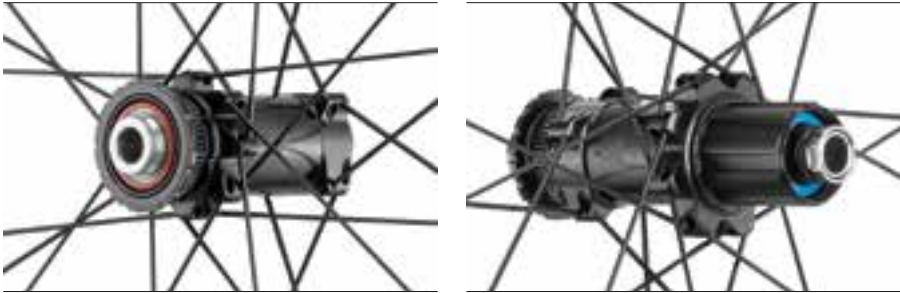
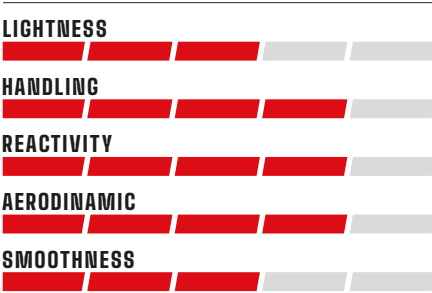
* Available also as combo: Wind 40 DB front, Wind 55 DB rear – Weight 1650 g. Tubeless valves included

WIND 40 DB

2-WAY FIT™ TUBELESS / WIDE PROFILE FOR AERO-EFFICENCY / 1620 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1620 g
Rim material	Carbon
Rim material details	Full carbon, UD - carbon fiber finishing
Profile height	Medium
Rim height	Front and rear 40 mm
Rim width	27 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

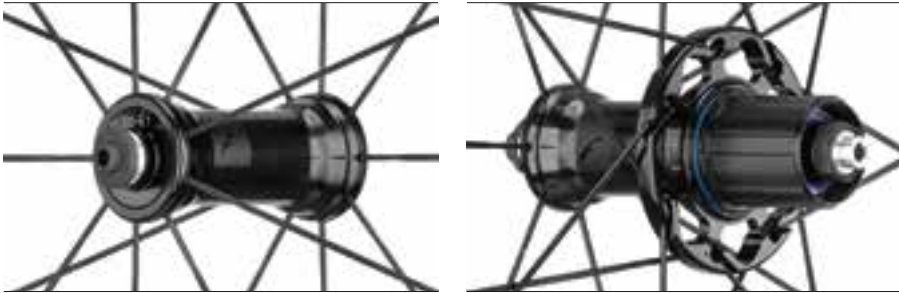
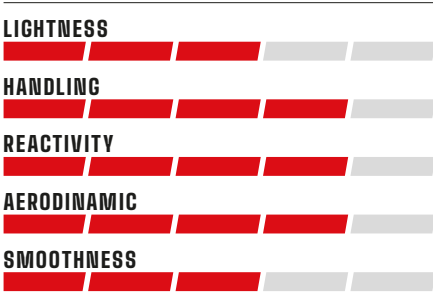
* Available also as combo: Wind 40 DB front, Wind 55 DB rear – Weight 1650 g. Tubeless valves included

WIND 40C

ALL-AROUND MEDIUM PROFILE / UD CARBON FINISH / AC3™ BRAKING SURFACE



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1555 g
Rim material	Carbon
Rim material details	Full carbon, UD - carbon fiber finishing
Profile height	Medium
Rim height	Front and rear 40 mm
Rim width	24,2 mm
Inner rim width (channel)	ETRT0 17C
Braking system	Caliper
Braking surface/ Brakes Options	3K carbon fiber braking surface, AC3™
Treatment	

Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	18, Left 9 - Right 9
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	Sealed cartridge bearings
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR



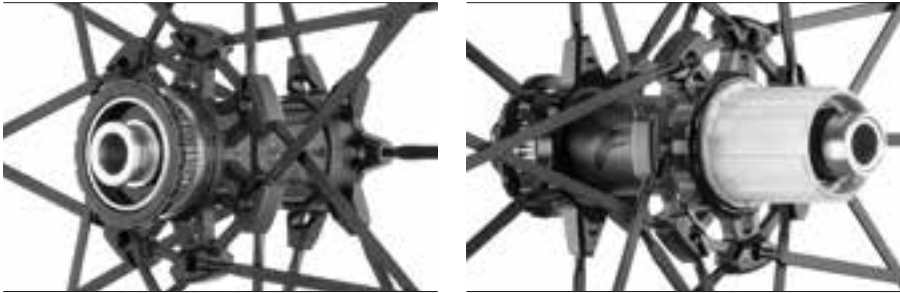
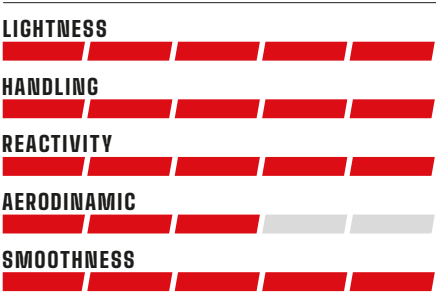
RACING ZERO™ CARBON CMPTZN DB

NEW

CMPTZN BLACK LABEL RANGE / CULT™ CERAMIC BEARINGS / 1440 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1440 g
Rim material	Carbon
Rim material details	Full Carbon, UD, with ARC technology (Twill)
Profile height	Low
Rim height	Front and rear 30 mm
Rim width	26,5 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* DRP Kit and tubeless valves included

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Aluminum
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	CULT™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

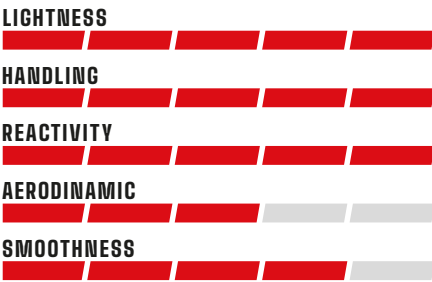


RACING ZERO CARBON DB

ARC TECHNOLOGY / USB™ CERAMIC BEARINGS / 1450 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1450 g
Rim material	Carbon
Rim material details	Full Carbon, UD, with ARC technology (Twill)
Profile height	Low
Rim height	Front and rear 30 mm
Rim width	26,5 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* DRP Kit and tubeless valves included

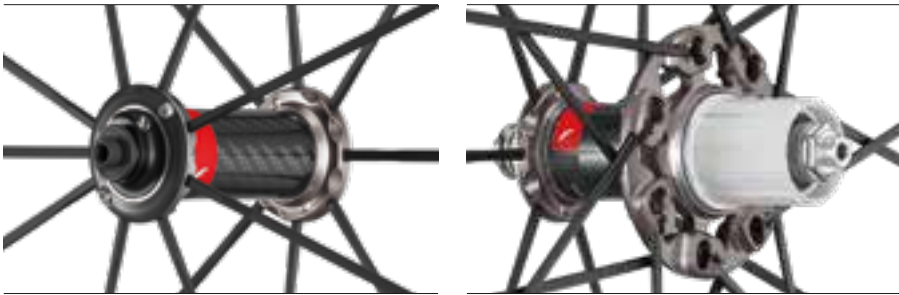
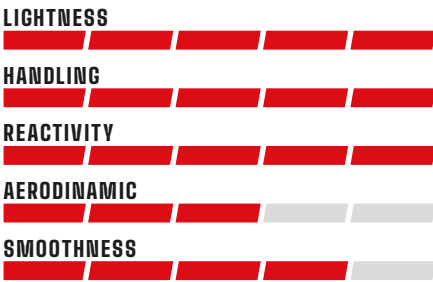
Front axle compatibility	QR / HH15-100 / HH12-100 (no screws incl.)
Rear Axle compatibility	QR / HH12-142 / HH12-135 (no screws incl.)
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Aluminum
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

RACING ZERO CARBON

SUPERLIGHT FOR CLINCHER / USB™ CERAMIC BEARINGS / 1340 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road
ASTM Category	1
Weight	1340 g
Rim material	Carbon
Rim material details	Full Carbon, Twill - carbon fiber finishing
Profile height	Low
Rim height	Front and rear 30 mm
Rim width	24,2 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Twill carbon fiber braking surface, AC3™
Treatment	

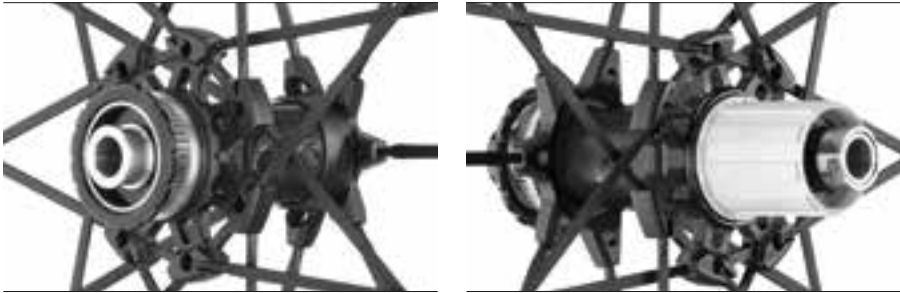
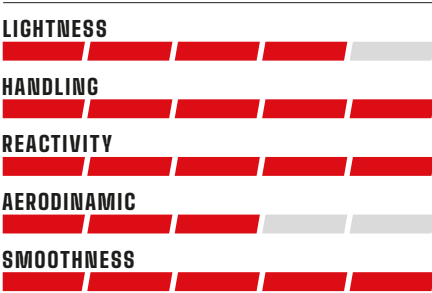
Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	16, Left 8 - Right 8
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Aluminum
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum flanges
Rear Hub	Carbon, Aluminum oversize flange
Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

RACING ZERO™ CMPTZN DB

CMPTZN BLACK LABEL RANGE / CULT™ CERAMIC BEARINGS / ALUMINUM MASTERPIECE



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1570 g
Rim material	Aluminium (6082, T6 Pre-Aging)
Rim material details	Triple milling
Profile height	Low
Rim height	Front and rear 30 mm
Rim width	23,8 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* DRP Kit and tubeless valves included

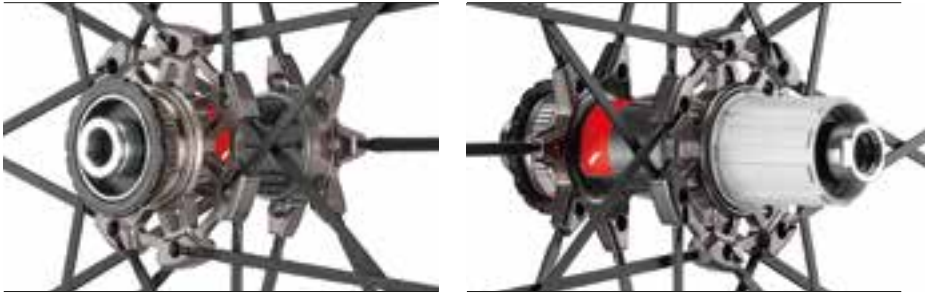
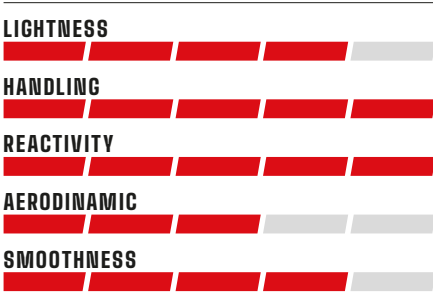
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Aluminum
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	CULT™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

RACING ZERO DB

ALL-AROUND DB WHEELS / USB™ CERAMIC BEARINGS / 2-WAY FIT™ TUBELESS



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1590 g
Rim material	Aluminium (6082, T6 Pre-Aging)
Rim material details	Triple milling
Profile height	Low
Rim height	Front and rear 30 mm
Rim width	23,8 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* DRP Kit and tubeless valves included

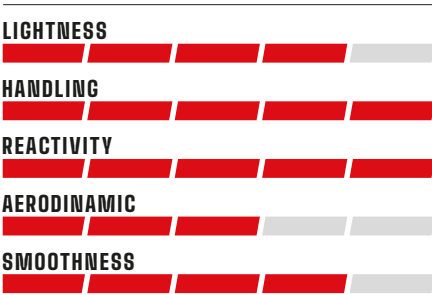
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Aluminum
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Carbon, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Others	Plasma treated HG freewheel; Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

RACING ZERO COMPETIZIONE

2-WAY FIT™ TUBELESS / CARBON HUBS / CULT™ CERAMIC BEARINGS



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)	Front axle compatibility	QR
Tyre Size	700c	Rear Axle compatibility	QR
Discipline	Road	Front wheel spokes	16, Left 8 - Right 8
ASTM Category	1	Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Weight	1475 g	Spokes: material	Aluminum
Rim material	Aluminium (6082, T6 Pre-Aging)	Spokes: profile technology	Aero, straight pull
Rim material details	Triple milling, Square Milling	Nipples	Aluminum
Profile height	Low	Front Hub	Carbon, Aluminum flanges
Rim height	Front 27 mm / rear 30 mm	Rear Hub	Carbon, Aluminum oversize flange
Rim width	22,5 mm	Bearings	CULT™ ceramic; Adj. Cup & Cones bearing system
Inner rim width (channel)	ETRTO 17C	Others	Plasma treated HG freewheel; Aluminum Axle
Braking system	Caliper	Weight limit (system)	120 kg
Braking surface/ Brakes Options	Aluminum braking surface, turned	FWB Version	HG11, CAMPY Optional: XDR

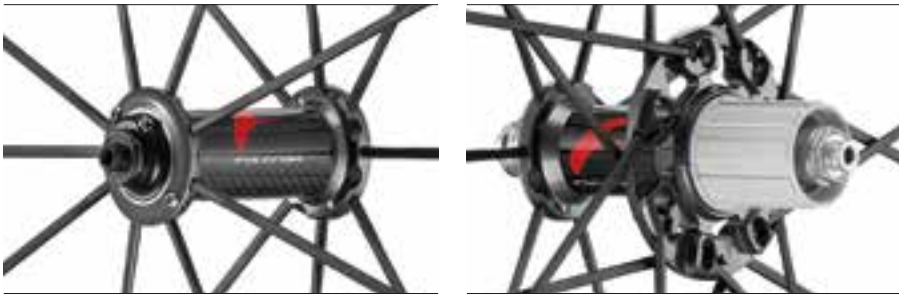
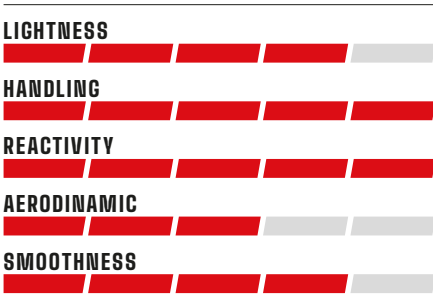
* Tubeless valves included

RACING ZERO

ALUMINIUM AERO SPOKES / TRIPLE MILLED ALU RIM / USB™ CERAMIC BEARINGS



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



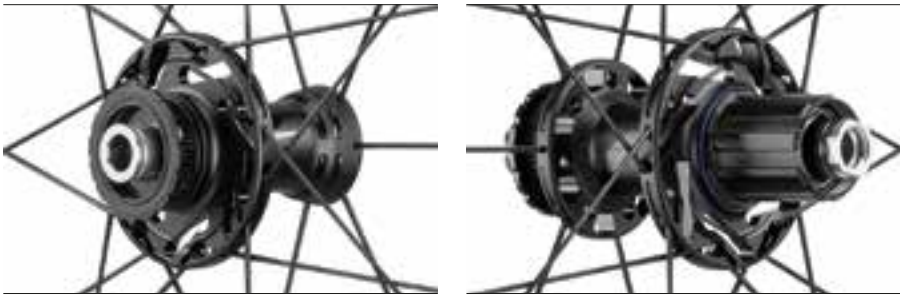
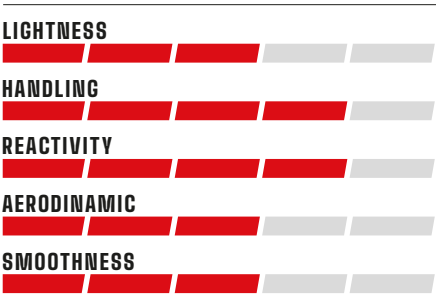
Tyre Type	Clincher	Front axle compatibility	QR
Tyre Size	700c	Rear Axle compatibility	QR
Discipline	Road	Front wheel spokes	16, Left 8 - Right 8
ASTM Category	1	Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Weight	1495 g	Spokes: material	Aluminum
Rim material	Aluminium (6082, T6 Pre-Aging)	Spokes: profile technology	Aero, straight pull
Rim material details	Triple milling, Square Milling	Nipples	Aluminum
Profile height	Low	Front Hub	Carbon, Aluminum flanges
Rim height	Front 27 mm / rear 30 mm	Rear Hub	Aluminum, Aluminum oversize flange
Rim width	22,5 mm	Bearings	USB™ ceramic; Adj. Cup & Cones bearing system
Inner rim width (channel)	ETRTO 17C	Others	Plasma treated HG freewheel; Aluminum Axle
Braking system	Caliper	Weight limit (system)	120 kg
Braking surface/ Brakes Options	Aluminum braking surface, turned	FWB Version	HG11, CAMPY Optional: XDR

/ RACING 3 DB

IW 19 MM 2WF TUBELESS / CNC MACHINED DETAILS / ROAD ENDURANCE



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1660 g
Rim material	Aluminium (6082, T6 Pre-Aging)
Rim material details	R2-Milling
Profile height	Low
Rim height	Front and rear 28 mm
Rim width	23,8 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* DRP Kit and tubeless valves included

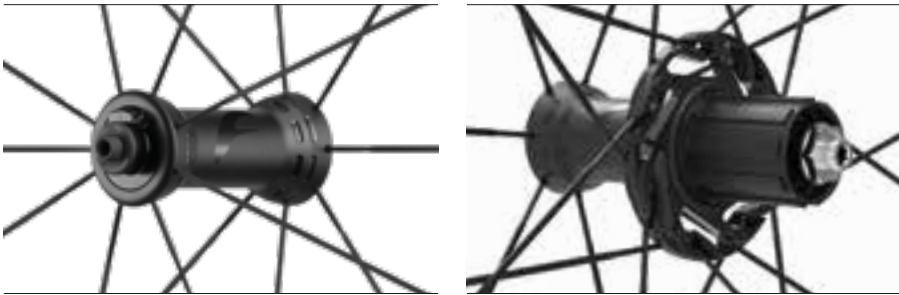
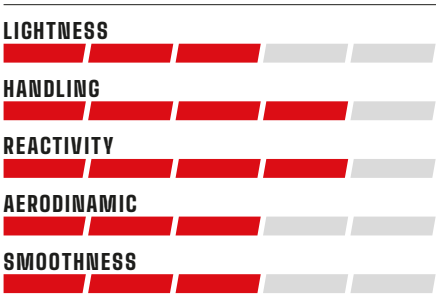
Front axle compatibility	HH12-100 / HH15-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	21, Two to one™, Left 14 - Right 7
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum oversize flange
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	Adj. Cup & Cones bearing system
Others	DRP, Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11,CAMPY, XDR

/ RACING 3

ALL-AROUND TRAINING WHEELS / CNC MACHINED DETAILS / CUP & CONES BEARINGS



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road
ASTM Category	1
Weight	1560 g
Rim material	Aluminium (6082, T6 Pre-Aging)
Rim material details	R2-Milling
Profile height	Low
Rim height	Front 27 mm / rear 30 mm
Rim width	22,5 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Aluminum braking surface, turned

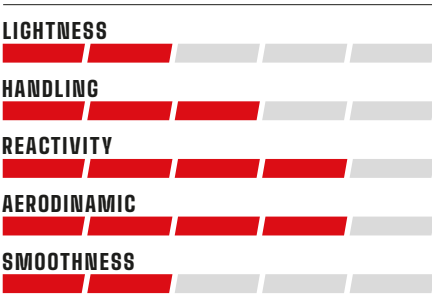
Front axle compatibility	QR
Rear Axle compatibilty	QR
Front wheel spokes	16, Left 8 - Right 8
Rear wheel spokes	21, Two to one™, Left 7 - Right 14
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Aero, straight pull
Nipples	Brass
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	Adj. Cup & Cones bearing system
Others	Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11,CAMPY Optional: XDR

/ RACING 4 DB

MEDIUM AERO PROFILE / 2-WAY FIT™ READY / STRAIGHT PULL SPOKES



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1690 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Medium
Rim height	Front and rear 35 mm
Rim width	23,5 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

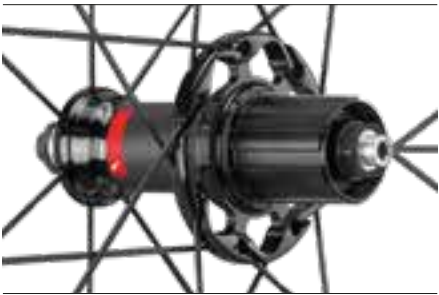
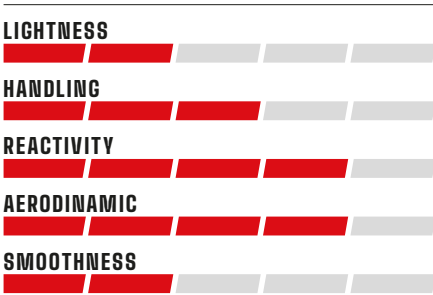
Front axle compatibility	QR/HH15-100/HH12-100 (no skewers incl.)
Rear Axle compatibility	QR/HH12-142/HH12-135 (no skewers incl.)
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

/ RACING 4

MEDIUM AERO PROFILE / OVERSIZED REAR FLANGE / 1725 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	1
Weight	1725 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Medium
Rim height	Front and rear 35 mm
Rim width	23,2 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Aluminum braking surface, turned

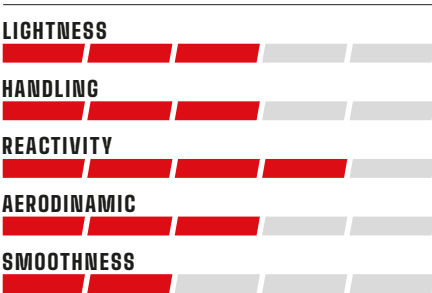
Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	16, Left 8 - Right 8
Rear wheel spokes	21, Left 7 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

/ RACING 5 DB

ALL-AROUND LOW PROFILE / 2-WAY FIT™ READY / 1610 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road
ASTM Category	2
Weight	1610 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Low
Rim height	Front and rear 26 mm
Rim width	21,8 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

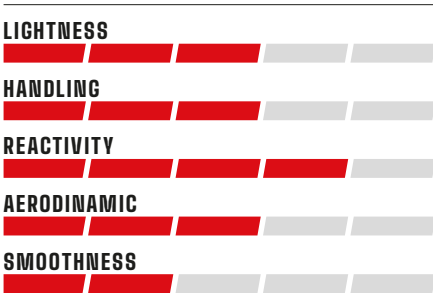
Front axle compatibility	QR/HH15-100/HH12-100 (no skewers incl.)
Rear Axle compatibility	QR/HH12-142/HH12-135(no skewers incl.)
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

/ RACING 5

DIFFERENTIATED HEIGHT PROFILE / TURNED GROOVES HUB DESIGN / 1650 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road
ASTM Category	1
Weight	1650 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Low
Rim height	Front 24,5 mm / rear 27,5 mm
Rim width	23 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Aluminum braking surface, turned

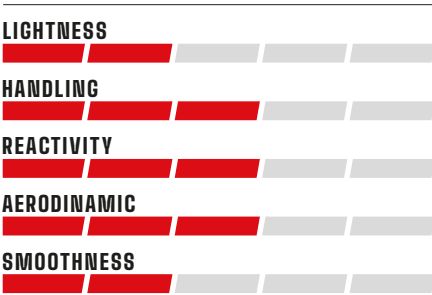
Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	18, Left 9 - Right 9
Rear wheel spokes	20, Left 10 - Right 10
Spokes: material	Stainless steel
Spokes: profile technology	Aero, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum oversize flange
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

RACING 6 DB

2-WAY FIT™ READY / 17C WIDE RIM / ASYMMETRIC RIM



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road
ASTM Category	2
Weight	1690 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 26 mm
Rim width	21,8 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

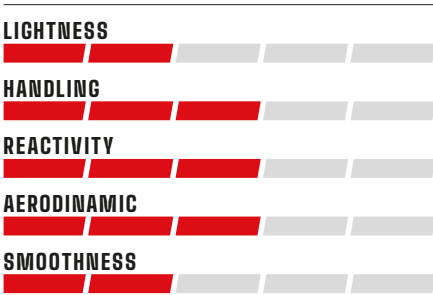
Front axle compatibility	QR/HH15-100/HH12-100 (no skewers incl.)
Rear Axle compatibility	QR/HH12-142/HH12-135 (no skewers incl.)
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

RACING 6

ASYMMETRIC RIM / TURNED GROOVES HUB DESIGN / FLANGE WITH LIGHTENING THROUGH MILLING



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road
ASTM Category	1
Weight	1760 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Low
Rim height	Front 24,5 mm / rear 27,5 mm
Rim width	23 mm
Inner rim width (channel)	ETRTO 17C
Braking system	Caliper
Braking surface/ Brakes Options	Aluminum braking surface, turned

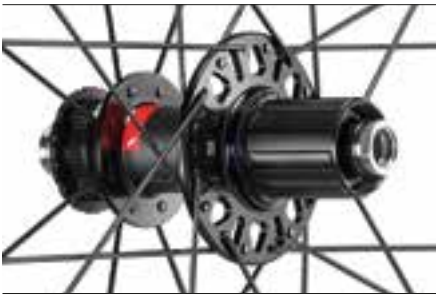
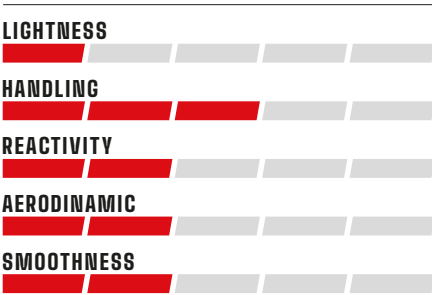
Front axle compatibility	QR
Rear Axle compatibility	QR
Front wheel spokes	18, Left 9 - Right 9
Rear wheel spokes	20, Left 10 - Right 10
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull/J pull
Nipples	Brass
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY

RACING 7 DB

PERFECT FOR GRAVEL & ADVENTURE / 2-WAY FIT™ READY / 19 MM WIDE RIM



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1740 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 22 mm
Rim width	23,8 mm
Inner rim width (channel)	ETRTO 19C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

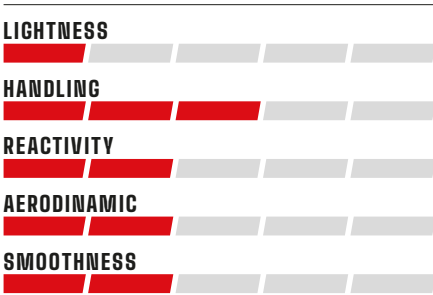
Front axle compatibility	QR/HH15-100/HH12-100 (no skewers incl.)
Rear Axle compatibility	QR/HH12-142/HH12-135 (no skewers incl.)
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, Adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY Optional: XDR

RACING 7B DB 650B

ROAD PLUS OPTION / 2-WAY FIT™ READY / 1670 g



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	650b
Discipline	Road / Gravel
ASTM Category	2
Weight	1670 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 22 mm
Rim width	23,8 mm
Inner rim width (channel)	ETRTO 19C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	QR/HH15-100/HH12-100 (no skewers incl.)
Rear Axle compatibilty	QR/HH12-142/HH12-135 (no skewers incl.)
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, XDR Optional: CAMPY



GRAVEL



Bikepacking? Unsupported bike races?
Breaking free from the constraints of tarmac roads?
Unpaved tracks, exciting journeys, trails and
new horizons...

There are many ways of interpreting something
that, far from being a new trend enjoyed by a select
few, has become a different way of enjoying cycling
by all. For some it represents a new way of putting
themselves to the test, while for others, it is an
alternative that offers a world of new possibilities.



F U N

S U N S E T

W I L D N E S S



RAPID RED 3

NEW

2-WAY FIT™ READY / CUP & CONES BEARINGS /
24 MM WIDE CHANNEL



REFLECTIVE
STICKER



ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB

LIGHTNESS

HANDLING

REACTIVITY

AERODYNAMIC

SMOOTHNESS



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	B-Road (Gravel)
ASTM Category	2
Weight	1740 g
Rim material	Aluminum (6082, T6 Pre-Aging)
Rim material details	R2-Milling
Profile height	Low
Rim height	Front and rear 24 mm
Rim width	29 mm
Inner rim width (channel)	24 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* Pre assembled tubeless tape, valves included

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24
Rear wheel spokes	24
Spokes: material	Aluminum
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Aluminum Axle, Reflective stickers
Weight limit (system)	120 kg
FWB Version	HG11, XDR, N3W

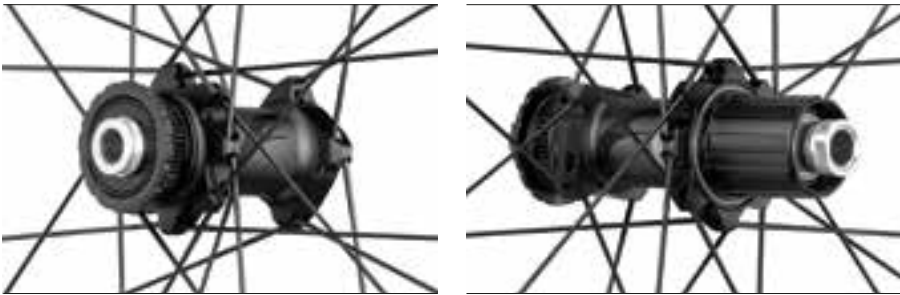
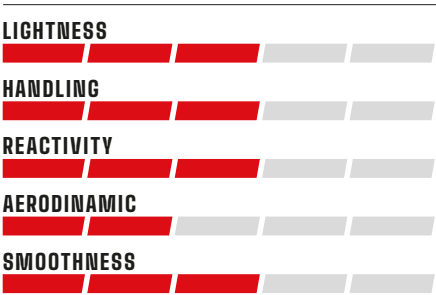
RAPID RED 3 650B

NEW

2-WAY FIT™ READY / CUP & CONES BEARINGS / 24 MM WIDE CHANNEL

REFLECTIVE STICKERS

- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	650b
Discipline	B-Road (Gravel)
ASTM Category	2
Weight	1640 g
Rim material	Aluminum (6082, T6 Pre-Aging)
Rim material details	R2-Milling
Profile height	Low
Rim height	Front and rear 24 mm
Rim width	29 mm
Inner rim width (channel)	24 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* Pre assembled tubeless tape, valves included

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24
Rear wheel spokes	24
Spokes: material	Aluminum
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Adjustable Cup & Cones bearing system
Others	DRP, Aluminum Axle, Reflective stickers
Weight limit (system)	120 kg
FWB Version	HG11, XDR, N3W

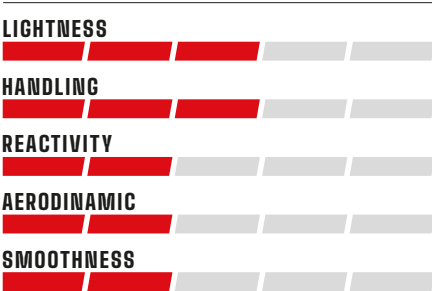


RAPID RED 5

2-WAY FIT™ READY / STRAIGHT PULL SPOKES / 23 MM WIDE CHANNEL



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	B-Road (Gravel)
ASTM Category	2
Weight	1760 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Low
Rim height	Front and rear 24 mm
Rim width	28 mm
Inner rim width (channel)	23 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* Pre assembled tubeless tape, valves included

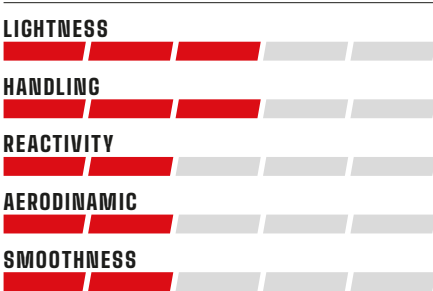
Front axle compatibility	HH15-100/HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24
Rear wheel spokes	24
Spokes: material	Aluminum
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, XDR, N3W

RAPID RED 5 650B

2-WAY FIT™ READY / STRAIGHT PULL SPOKES / 23 MM WIDE CHANNEL



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	650b
Discipline	B-Road (Gravel)
ASTM Category	2
Weight	1650 g
Rim material	Aluminum
Rim material details	Aluminum
Profile height	Low
Rim height	Front and rear 24 mm
Rim width	28 mm
Inner rim width (channel)	23 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* Pre assembled tubeless tape, valves included

Front axle compatibility	HH15-100/HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24
Rear wheel spokes	24
Spokes: material	Aluminum
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, XDR, N3W





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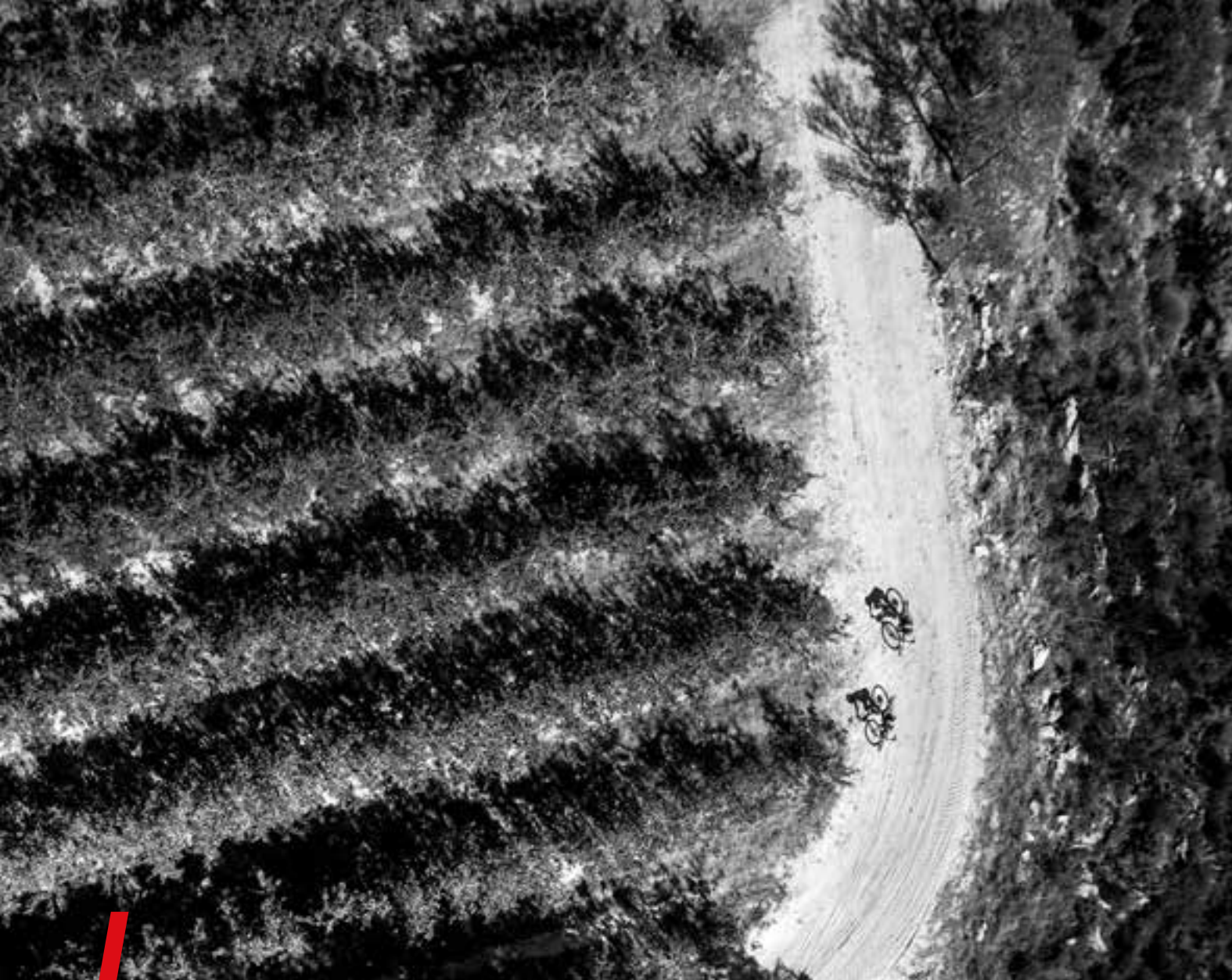
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S

MTB

Since its beginning Fulcrum® has focused on producing the most performance oriented and resistant wheels available for off road use. This dedication to quality and durability has been applied to the off-road sector and, as the disciplines in off-road continue to evolve and grow, Fulcrum® is now dedicated to finding solutions for each and every standard. The new Fulcrum® off road line follows the mission of producing the best wheel for every discipline and every condition.



F
L
O
W



RED ZONE

**XC USE-SPECIFIC ALUMINIUM
WHEELS, FOR ALL DAY BATTLES**



RED ZONE 5 29"
p.54



RED ZONE 5 27,5"
p.55



RED ZONE 7 29"
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RED ZONE 7 27,5"
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RED METAL

**WIDE AND LIGHT FOR
THE TOUGHEST TERRAINS**



RED METAL 5 29"
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RED FIRE

**FOR DEMANDING RIDERS
WHEN THE TRAILS GET ROUGH**



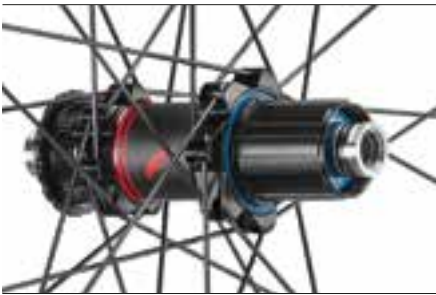
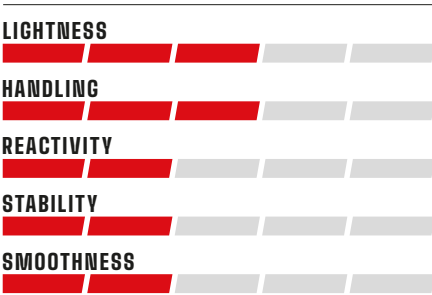
RED FIRE 5 27,5"
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RED ZONE 5 29"

2-WAY FIT™ READY PROFILE / STRAIGHT PULL SPOKES / 23C WIDE RIM



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	29"
Discipline	Cross country / Marathon
ASTM Category	3
Weight	1815 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	/
Rim height	Front and Rear 20 mm
Rim width	28,5 mm
Inner rim width (channel)	ETRTO 23C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

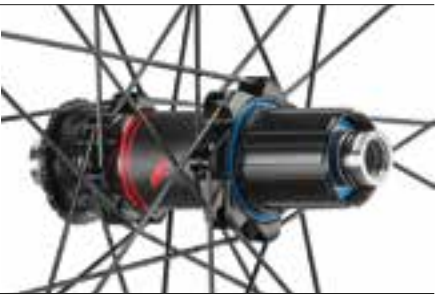
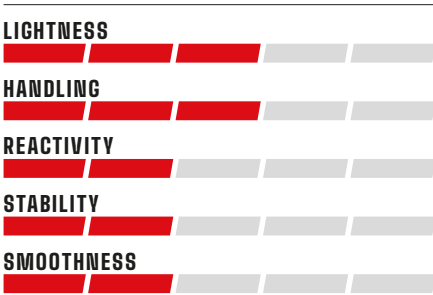
* Conversion Kit "2-Way Fit™ Ready" included

RED ZONE 5 27,5"

2-WAY FIT™ READY PROFILE / STRAIGHT PULL SPOKES / 23C WIDE RIM



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Cross country / Marathon
ASTM Category	3
Weight	1735 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	/
Rim height	Front and Rear 20 mm
Rim width	28,5 mm
Inner rim width (channel)	ETRTO 23C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* Conversion Kit "2-Way Fit™ Ready" included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibilty	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	125 kg
FWB Version	HG11, XD, MS12

RED ZONE 7 29"

2-WAY FIT™ READY PROFILE / STRAIGHT PULL SPOKES / 23C WIDE RIM



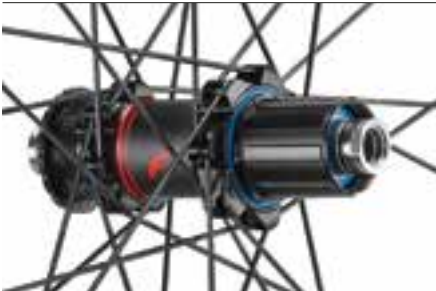
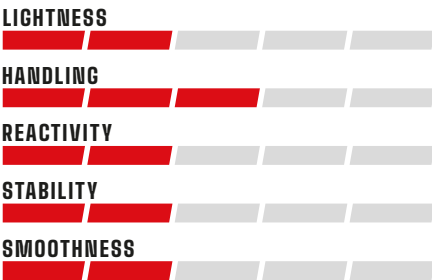
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	29"
Discipline	Cross country / Marathon
ASTM Category	3
Weight	1875 g
Rim material	Aluminum
Rim material details	Aluminum, pin joint
Profile height	/
Rim height	Front and Rear 20 mm
Rim width	27,5 mm
Inner rim width (channel)	ETRTO 23C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	/
Weight limit (system)	125 kg
FWB Version	HG11, XD Optional: MS12

RED ZONE 7 27,5"

2-WAY FIT™ READY PROFILE / STRAIGHT PULL SPOKES / 23C WIDE RIM



ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Cross country / Marathon
ASTM Category	3
Weight	1825 g
Rim material	Aluminum
Rim material details	Aluminum, pin joint
Profile height	/
Rim height	Front and Rear 20 mm
Rim width	27,5 mm
Inner rim width (channel)	ETRTO 23C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	125 kg
FWB Version	HG11, XD Optional: MS12

RED METAL 5 29"

ULTRA LOW PROFILE / 27 MM WIDE RIM / 2-WAY FIT™ READY



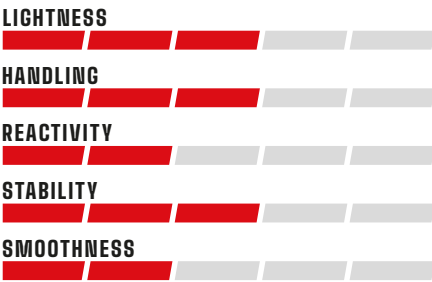
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	29"
Discipline	Trail / Enduro
ASTM Category	3
Weight	1950 g
Rim material	Aluminum
Rim material details	Aluminum, pin joint
Profile height	/
Rim height	Front and Rear 20 mm
Rim width	32 mm
Inner rim width (channel)	ETRTO 27C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

* Conversion Kit "2-Way Fit™ Ready" included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	Aluminum Axle
Weight limit (system)	125 kg
FWB Version	HG11, XD, MS12

RED FIRE 5 27,5"

TRAIL SPECIFIC MODEL / 27 MM WIDE RIM / STRAIGHT PULL SPOKES



ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Trail / Enduro
ASTM Category	4
Weight	1905 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	/
Rim height	Front and Rear 20 mm
Rim width	32 mm
Inner rim width (channel)	ETRTO 27C
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	125 kg
FWB Version	HG11, XD, MS12

E
FREEDOM



ROAD & GRAVEL

The perfect solution for e-road and e-gravel cyclists. The extra freedom and power that e-bikes provide comes with added stresses for the components. This is why we've redesigned all aspects of these wheelsets, to meet the greater demands placed by the weight of the bike and the power of the motor. Able to withstand the combined weight of 135kg for bike, rider and accessories, you can rely on these wheels to withstand whatever your adventures will entail.

E-EXPLORATION

/ E – RACING 4



MEDIUM AERO PROFILE FOR E-BIKES / 22 MM INTERNAL CHANNEL /
STURDY AND RELIABLE



ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB

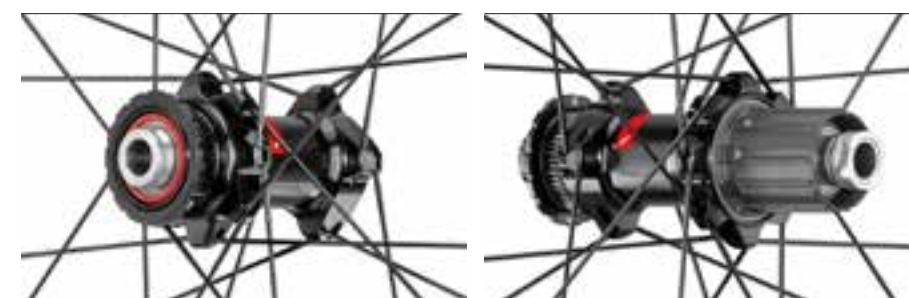
LIGHTNESS

HANDLING

REACTIVITY

AERODYNAMIC

SMOOTHNESS



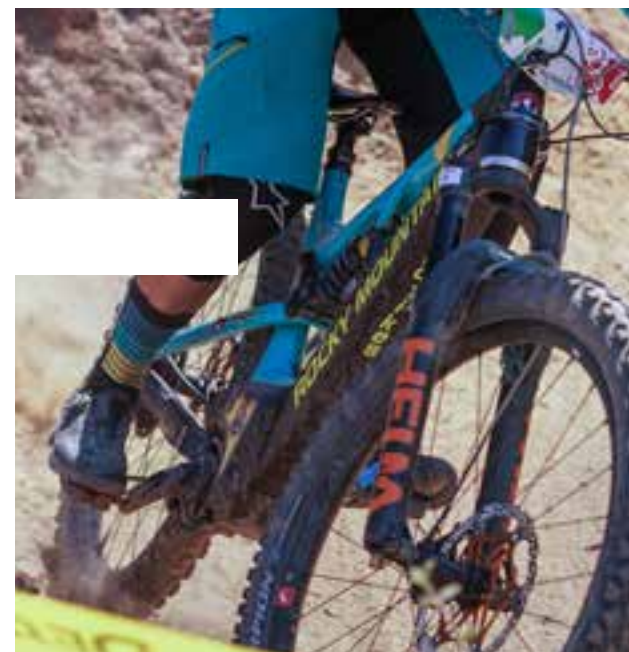
Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1870 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Medium
Rim height	Front and rear 34 mm
Rim width	27,1 mm
Inner rim width (channel)	22 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™

Front axle compatibility	HH12-100
Rear Axle compatibility	HH12-142
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, Straight-pull
Nipples	Aluminum, long head
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP
Weight limit (system)	135 kg
FWB Version	HG11, XDR



E

E - E M O T I O N S



T R A I L S

MTB

First of all the e-mtb project is the accomplishment of a precise objective: to create a specific range of highly technological wheelsets that can express the Fulcrum® soul. This was obtained by merging together our long-term know-how in designing mtb products, with a careful examination and understanding of the new needs of the e-powered world, without forgetting the dynamic and performance oriented character typical of a Fulcrum® wheel. The e-mtb range offers a wide choice of models designed for specific uses. Innovative technologies and unmistakable riding sensations.



A D R E N A L I N E



E-METAL

E-ALL MOUNTAIN

THE E-SPECIFIC FAMILY FOR FAST RIDING OVER ROUGH TERRAINS



E-METAL 3 29"
p.66



E-METAL 3 27,5"
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E-METAL 5 29"
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E-METAL 5 27,5"
p.69

E-FIRE

E-ENDURO

THE E-SPECIFIC SOLUTION FOR ROCK GARDENS ON FIRE!



E-FIRE 3 27,5"
p.70



E-FIRE 5 27,5"
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E-METAL 3 29"



DIFFERENTIATED RIM HEIGHT / WELDED JOINT RIM / SELF-LOCKING ALUMINUM NIPPLES



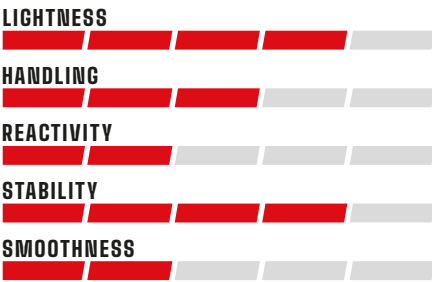
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	29"
Discipline	Trail / Enduro
ASTM Category	3 (4 weight limit 130kg)
Weight	2050 g
Rim material	Aluminum
Rim material details	Aluminum, welded joint
Profile height	/
Rim height	Front 23 mm / Rear 18 mm
Rim width	35 mm
Inner rim width (channel)	30 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts

* Conversion Kit "2-Way Fit™ Ready" included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibilty	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Inox bluing
Spokes: profile technology	Rounded, straight pull. Reinforced head
Nipples	Aluminum, self-lock
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12 Optional: XD

E-METAL 3 27,5"



DIFFERENTIATED RIM HEIGHT / WELDED JOINT RIM / SELF-LOCKING ALUMINUM NIPPLES



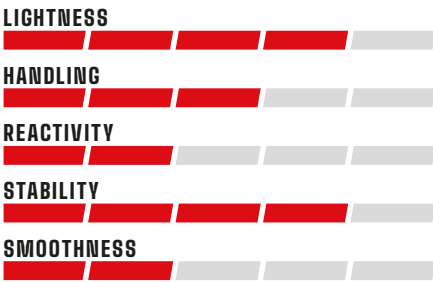
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Trail / Enduro
ASTM Category	3 (4 weight limit 130kg)
Weight	1990 g
Rim material	Aluminum
Rim material details	Aluminum, welded joint
Profile height	/
Rim height	Front 23 mm / Rear 18 mm
Rim width	35 mm
Inner rim width (channel)	30 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts

* Conversion Kit "2-Way Fit™ Ready" included

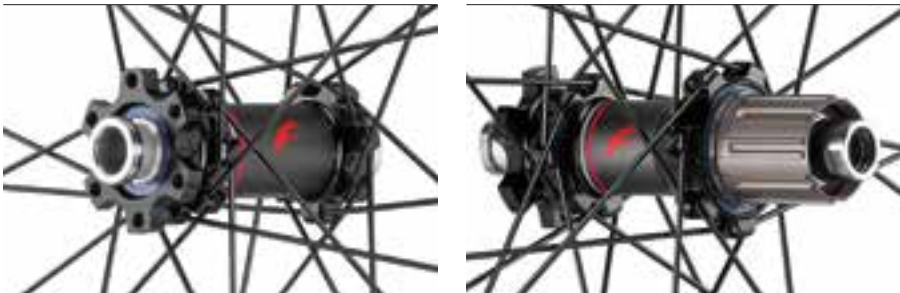
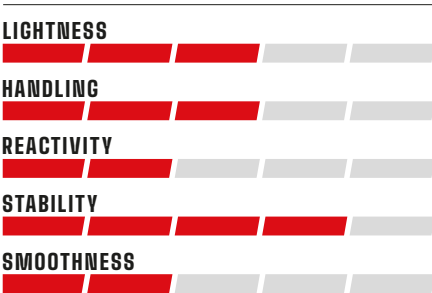
Front axle compatibility	HH15-110 Boost
Rear Axle compatibilty	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Inox bluing
Spokes: profile technology	Rounded, straight pull. Reinforced head
Nipples	Aluminium, self-lock
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12 Optional: XD

E-METAL 5 29”

DIFFERENTIATED RIM HEIGHT / SLEEVED JOINT RIM / SELF-LOCKING BRASS NIPPLES



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	29"
Discipline	Trail / Enduro
ASTM Category	3 (4 weight limit 130kg)
Weight	2170 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	/
Rim height	Front 23,5 mm / Rear 18,5 mm
Rim width	35 mm
Inner rim width (channel)	30 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts

* Conversion Kit “2-Way Fit™ Ready” included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Inox bluing
Spokes: profile technology	Rounded, straight pull. Reinforced head
Nipples	Brass, self-lock
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12 Optional: XD

E-METAL 5 27,5”

DIFFERENTIATED RIM HEIGHT / SLEEVED JOINT RIM / SELF-LOCKING BRASS NIPPLES



- ROAD
- GRAVEL
- MTB
- E-ROAD
E-GRAVEL
- E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Trail / Enduro
ASTM Category	3 (4 weight limit 130kg)
Weight	2070 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	/
Rim height	Front 23,5 mm / Rear 18,5 mm
Rim width	35 mm
Inner rim width (channel)	30 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts

* Conversion Kit “2-Way Fit™ Ready” included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Inox bluing
Spokes: profile technology	Rounded, straight pull. Reinforced head
Nipples	Brass, self-lock
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12 Optional: XD

E-FIRE 3 27,5"



DIFFERENTIATED RIM HEIGHT / WELDED JOINT RIM / SELF-LOCKING ALUMINUM NIPPLES



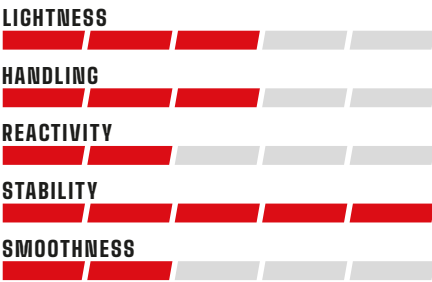
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Trail / Enduro
ASTM Category	3 (4 weight limit 130kg)
Weight	2150 g
Rim material	Aluminum
Rim material details	Aluminum, welded joint
Profile height	/
Rim height	Front 23 mm / Rear 18 mm
Rim width	40 mm
Inner rim width (channel)	35 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts

* Conversion Kit "2-Way Fit™ Ready" included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Inox bluing
Spokes: profile technology	Rounded, straight pull. Reinforced head
Nipples	Aluminium, self-lock
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12 Optional: XD

E-FIRE 5 27,5"



DIFFERENTIATED RIM HEIGHT / SLEEVED JOINT RIM / SELF-LOCKING BRASS NIPPLES



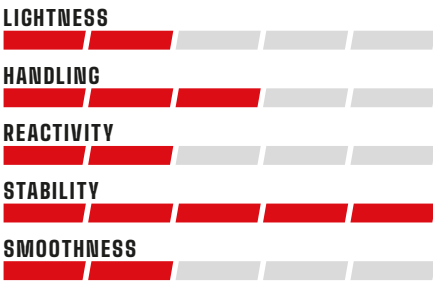
ROAD

GRAVEL

MTB

E-ROAD
E-GRAVEL

E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5"
Discipline	Trail / Enduro
ASTM Category	3 (4 weight limit 130kg)
Weight	2200 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	/
Rim height	Front 23,5 mm / Rear 18,5 mm
Rim width	40 mm
Inner rim width (channel)	35 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts

* Conversion Kit "2-Way Fit™ Ready" included

Front axle compatibility	HH15-110 Boost
Rear Axle compatibility	HH12-148 Boost
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Inox bluing
Spokes: profile technology	Rounded, straight pull. Reinforced head
Nipples	Brass, self-lock
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings, adjustable
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12 Optional: XD

OEM

Available only to bike manufacturers, Fulcrum’s OEM wheelsets provide our renowned quality and performance to the best bikes from the leading bike companies.

AIRBEAT 550 DB ROAD



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1710 g
Rim material	Carbon
Rim material details	Full carbon, UD - carbon fiber finishing
Profile height	High
Rim height	Front and rear 55 mm
Rim width	28 mm
Inner rim width (channel)	21 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, XDR

AIRBEAT 400 DB ROAD



Tyre Type	2-Way Fit™ (for clincher and tubeless)
Tyre Size	700c
Discipline	Road / Triathlon
ASTM Category	2
Weight	1640 g
Rim material	Carbon
Rim material details	Full carbon, UD - carbon fiber finishing
Profile height	Medium
Rim height	Front and rear 40 mm
Rim width	28 mm
Inner rim width (channel)	21 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	24, Left 16 - Right 8
Rear wheel spokes	24, Left 8 - Right 16
Spokes: material	Stainless steel, double butted
Spokes: profile technology	Rounded, straight pull
Nipples	Aluminum
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	Aluminum Axle
Weight limit (system)	120 kg
FWB Version	HG11, XDR

RACING 800 DB ROAD



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1960g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	Low
Rim height	Front and rear 33,7 mm
Rim width	24,1 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	24
Rear wheel spokes	24
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, aluminum axle
Rear Hub	Aluminum
Bearings	Sealed cartridge bearings
Others	DRP
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

RACING 900 ROAD



Tyre Type	Clincher
Tyre Size	700c
Discipline	Road
ASTM Category	1
Weight	1880 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	Low
Rim height	Front and rear 24,5 mm
Rim width	22,7 mm
Inner rim width (channel)	19 mm
Braking system	Caliper
Braking surface/ Brakes Options	Aluminum braking surface, turned
Front axle compatibility	QR
Rear Axle compatibilty	QR
Front wheel spokes	28
Rear wheel spokes	28
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, aluminum axle
Rear Hub	Aluminum
Bearings	Sealed cartridge bearings
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY

RACING 900 DB 700C / 650B ROAD



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c / 650b
Discipline	Road / Gravel
ASTM Category	2
Weight	1950 g / 1870 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	Low
Rim height	Front and rear 22 mm
Rim width	23,8 mm
Inner rim width (channel)	19 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	28
Rear wheel spokes	28
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, aluminum axle
Rear Hub	Aluminum
Bearings	Sealed cartridge bearings
Others	/
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

RAPID RED 900 700C / 650B GRAVEL



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c / 650b
Discipline	Road/Gravel
ASTM Category	2
Weight	1950 g / 1870 g
Rim material	Aluminum
Rim material details	Aluminum, sleeved joint
Profile height	Low
Rim height	Front and rear 24,1 mm
Rim width	27,1 mm
Inner rim width (channel)	22 mm
Braking surface/ Brakes Options	AFS™
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	28
Rear wheel spokes	28
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, J-pull
Nipples	Brass
Front Hub	Aluminum, aluminum axle
Rear Hub	Aluminum, aluminum axle
Bearings	Sealed cartridge bearings
Others	DRP
Weight limit (system)	120 kg
FWB Version	HG11, CAMPY, XDR

E-RACING 900 E-ROAD / E-GRAVEL



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	1950 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 24 mm
Rim width	27,1 mm
Inner rim width (channel)	22 mm
Braking system	Disc brake
Braking surface/ Brakes Options	AFS™
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	28, Left 14 - Right 14
Rear wheel spokes	28, Left 14 - Right 14
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, Straight-pull
Nipples	Brass, long head
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP, Steel fw body
Weight limit (system)	135 kg
FWB Version	HG11, XDR

E-RACING 900 EBM X35+ E-ROAD



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	700c
Discipline	Road / Gravel
ASTM Category	2
Weight	3750 g (with motor)
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 24 mm
Rim width	27,1 mm
Inner rim width (channel)	22 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolt
Front axle compatibility	HH12-100
Rear Axle compatibilty	HH12-142
Front wheel spokes	28
Rear wheel spokes	32
Spokes: material	Stainless steel
Spokes: profile technology	Rounded, Straight-pull
Nipples	Brass, long head
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	DRP
Weight limit (system)	135 kg
FWB Version	HG11

E-FIRE 700 27.5” E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	27,5”
Discipline	E-MTB
ASTM Category	3 (4 weight limit 130kg)
Weight	2350 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 19 mm
Rim width	40 mm
Inner rim width (channel)	35 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts / AFS™
Front axle compatibility	HH15-110
Rear Axle compatibilty	HH12-148
Front wheel spokes	28
Rear wheel spokes	28
Spokes: material	Steel
Spokes: profile technology	Rounded, Straight-pull
Nipples	Brass, silver
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12

E-METAL 700 29” / 27.5” E-MTB



Tyre Type	2-Way Fit™ Ready (Clincher/Tubeless ready)
Tyre Size	29” / 27,5”
Discipline	E-MTB
ASTM Category	3 (4 weight limit 130kg)
Weight	2470 g / 2290 g
Rim material	Aluminum
Rim material details	Aluminum, asymmetrical
Profile height	Low
Rim height	Front and rear 19 mm
Rim width	35 mm
Inner rim width (channel)	30 mm
Braking system	Disc brake
Braking surface/ Brakes Options	6 bolts / AFS™
Front axle compatibility	HH15-110
Rear Axle compatibilty	HH12-148
Front wheel spokes	28
Rear wheel spokes	28
Spokes: material	Steel
Spokes: profile technology	Rounded, Straight-pull
Nipples	Brass, silver
Front Hub	Aluminum, Aluminum flanges
Rear Hub	Aluminum, Aluminum flanges
Bearings	Sealed cartridge bearings
Others	/
Weight limit (system)	150 kg
FWB Version	HG11, MS12

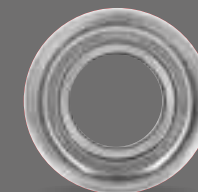


TECH



The R&D department is our pride and joy. Inside this unit we design, test and develop highly sophisticated products that embody the Fulcrum® DNA.

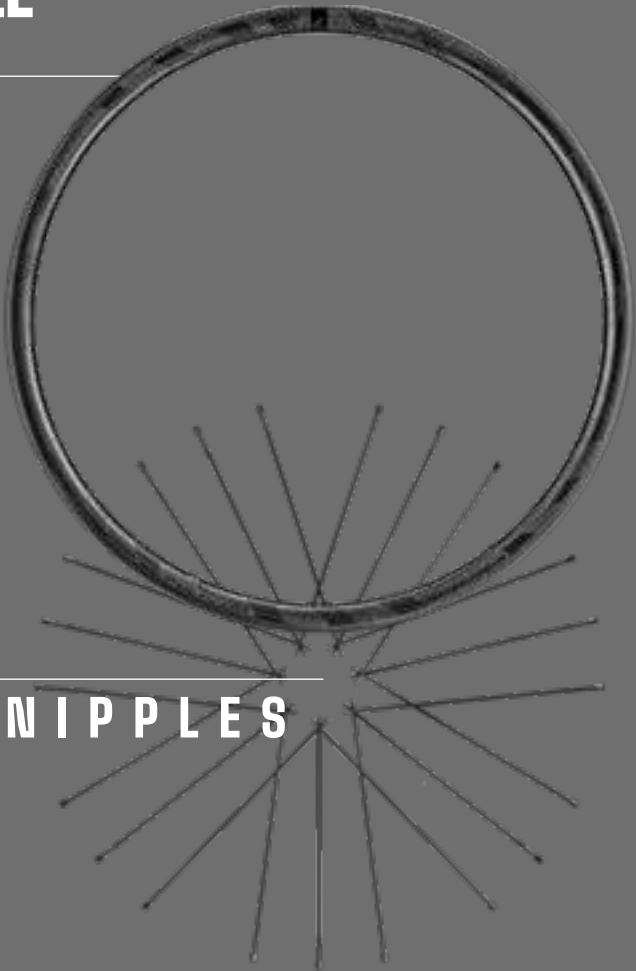
The objective of the R&D department is to continuously innovate in order to improve the cycling experience by finding the right balance between equally important factors: performance, reliability, quality, design and safety.



EVERY SINGLE DETAIL AND COMPONENT DESIGNED TO WORK TOGETHER AS A SINGLE HIGH-PERFORMANCE WHEEL

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AC3™ ROAD

ALL CONDITIONS CARBON CONTROL

For years, the issue of braking on carbon rims has been studied and technically updated, in accordance with progress made in research into materials and available finishing processes. AC3™ is a further step forward in this direction and it will enable surprising braking performance, especially in difficult conditions, when improvements become the base for a different way of cycling.

The Fulcrum R&D division has chosen to change its approach to braking track production, going from a mechanical process to one that uses micro laser incisions on the surface to eliminate resins and perfect roughness. In this way, braking directly exploits the brake pad's contact on the fiber, improving grip and dissipation of water and moisture from the surface, allowing it to work immediately in ideal conditions and give better results. Confidence and power grow, together with excellent modularity. Lab tests have shown that this greater force enables a 6% improvement in braking power in dry conditions compared to previously. In the wet, the difference is amazing: here there is a 43% increase, bringing braking distance close to those in dry conditions.

The cyclist can concentrate totally on choosing the best line, with no slip-ups, each hairpin a work of art.



AFS™ AXLE SYSTEM

ROAD, GRAVEL, MTB, E-RACING, E-MTB

The Axial Fixing System™ is the solution developed by Fulcrum® to fix the disc brake to the hub. The constraint granted by the butt area of the release mechanism, greater than in familiar standard ones, makes it possible to obtain greater structural rigidity and therefore more precise and powerful braking. The availability of the International Standard option ensures full compatibility of Fulcrum® wheels even with the most widespread braking systems that use this assembly plan.



ANTI ROTATION SYSTEM™ ROAD, E-MTB

This new system raises the concept of spoking to new heights of performance. The Fulcrum® engineers have redesigned the spokes and the hub housings to create a solid and firm assembly. The result is such the spokes: a) will never lose their initial tension, thus keeping the wheel perfectly reactive and centred b) will remain in the position that was found in wind tunnel tests to ensure the best aerodynamic penetration possible.



ARC^{ROAD}

Add material where you need it, remove where not needed. Orient the carbon fibers thinking about the result you want to achieve, considering the rim's shapes and the kind of wheel set you are creating.

This is the concept that inspired the Fulcrum R&D department in developing ARC, the new technology of placing the carbon sheets on the mold creating different areas according to the stresses while riding. During the rim development, we analyze the stress points and the directions of the accelerations and braking forces, starting from these we decide which is the best type of carbon and how to place it in the complete project. The critical areas, those where it is necessary to reinforce, are usually around the spokes holes, while the rest of the rim has been lightened as much as possible: the material difference between the two zones is up to 20%, functioning as the reinforcing beams in bridges.

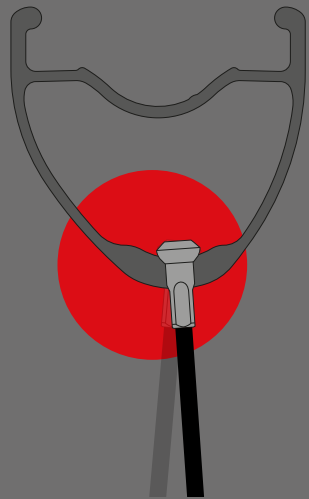
In these points, rim profile will be higher, with a larger structure, so even more stiffer.

But, if we notice less needs in different areas, why keeping the same structure?

It's better to choose what is most suitable thanks to the light weight or fibers direction.

The astonishing look, "out the box", was born from a technical requirement, enhances the character of the wheel and pushes to an even higher level of modulation the wheel's behave during the race: every cm² has to perform his task to create the best combination.

ASIMMETRIC RIM^{ROAD, MTB}



This aluminium rim has an asymmetric, machined profile to keep peripheral weight to a minimum, making the wheel extremely responsive on relauches. This specific shape also guarantees excellent shock resistance. The asymmetry is designed to improve rim tension, balancing the forces from brakes and sprocket cassette.

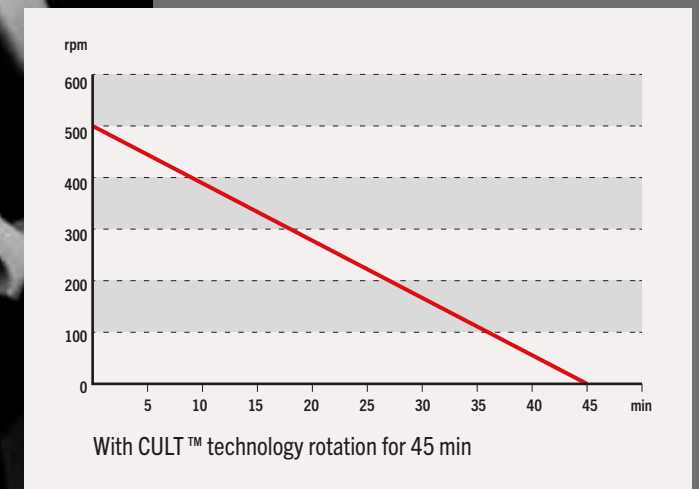


BRAKE PADS^{ROAD}

Our engineers dedicate countless hours working on improving every last detail of our wheels and a large part of wheel performance is measured by its stopping distance. To maximize braking performance the Fulcrum® R&D department has developed internally brake pads made specifically for our carbon wheels. The special blend that resulted from seemingly unending rounds of testing increases brake performance on both dry and wet surfaces without increasing the wear and tear on the pad or the braking surface of the rim.

CARBON HUBS^{ROAD}

In line with their aim to save every possible gram of weight and to choose the most advanced technological solutions, the R&D department has developed a seamless carbon hub. The fibre selected is woven at 90 degrees, for enhanced balance of torque when pedalling.



CULT™^{ROAD}

CERAMIC ULTIMATE LEVEL TECHNOLOGY™

There are wheels and there are wheels made with CULT™ technology. Wheels will get you to where you are going with varying levels of fatigue depending on the make and model. Wheels made with CULT™ technology will get you to the finish line faster, with less fatigue and will last considerably longer. Those looking for the fastest, most efficient and durable wheels need look no further as they may simply choose the technology that even the best pro-tour riders have come to demand: CULT™.

You can rest assured that if your wheels are made with CULT™ technology you are sitting on the fastest and most efficient wheels available. So superior is the CULT™ bearing technology that laboratory tests prove that hubs equipped with CULT™ technology run

9 times longer than standard bearings. Other tests involve spinning the wheel equipped with CULT™ technology at 500RPM and then allowing it to decelerate. The CULT™ equipped wheel continues to spin for a full 45 minutes.

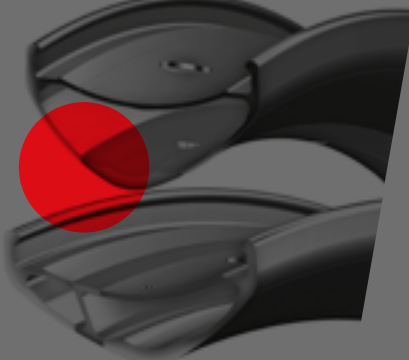
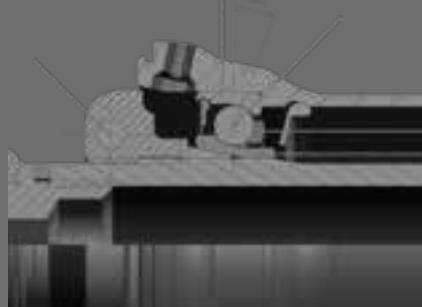
Being able to roll as friction free as possible is of utmost importance as it is one key element in reducing fatigue and increasing efficiency. In other words, smoother and more efficient bearings allow you to ride faster using less energy. CULT™ technology allows the rider to spend less energy on overcoming friction and enabling him or her to be fresher at critical points in the race. At similar power output, CULT™ bearings allow the rider to maintain higher average speeds, thus translating into crucial time savings.

CULT™

CUP & CONE

ROAD, GRAVEL

The cup-and-cone bearing differs from the classic cartridge bearing because it works in perfect alignment with the forces involved, weight and thrust from the frame, as the bearings run in a race positioned directly opposing these forces. The adjusting ring lets you pre-load the bearing, so you can eliminate side-to-side play and have optimum adjustment once the wheel is mounted on the frame.



DIFFERENTIATED RIM PROFILE

ROAD, E-MTB

Two different heights for front and back. A bigger challenge in construction, but necessary to achieve the very best.

On the road the lower front wheel improves handling, limiting weight to a maximum and also mass involved when turning and relaunching. The rear rim is higher and more solid, to transmit all the power to the wheel and increase stability.

On Off-road the front and the rear parts have different and complementary functions. The front part is the one that most affects riding and receives side shocks. The rear part, on the other hand, supports most of the weight. Even more on a bike with a motor considering its position, and it is responsible for traction.



IN-FRAME

E-MTB

The wheels are the contact element with the ground, where the shocks from the ground first discharge. The wheel-tyre system, in this respect, must guarantee stability during repeated stress.

It was decided to develop an internal support architecture, a bridge insert positioned diagonally, so that it can counter the front shocks. By leveraging the structure geometry, the load is distributed on the whole rim, preventing thus excessive compression. The maximum result with the minimum weight load: this detail allowed a 10% side rigidity increase and a 14% increase on the vertical one, changing thus drastically the overall performance.



PLASMA FREEHUB

ROAD

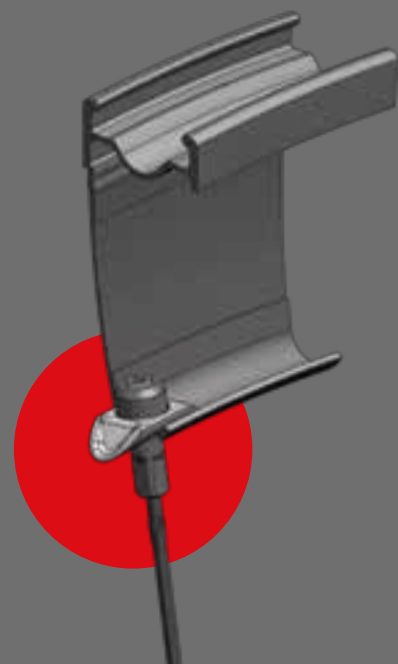
The Plasma treatment makes the aluminium especially hard and resistant to surface abrasion and wear. This has allowed thickness of materials to be reduced to a minimum, achieving advantages of lighter weight, while maintaining lifespan and reliability.

DB 2:1 TWO-TO-ONE

TM ROAD

On braking, the front wheel must deal with torques directed towards the rim, thence to the ground, in the best possible way. This means that the hub and the spokes must be ready to carry out two main tasks: to transmit the strongest possible braking force directly to the ground and to balance torque coming from the disc on the axis. The Oversize Flange improves spoke dishing. Along with the double spokes on the disc side, this allows the system to reach an optimum torque level, enabling optimum transmission of power to the ground.

The 2:1 Two-to-one™ system also reduces the load on each spoke, decreasing the stress they undergo while racing. This unique solution keeps radial spoking on one side (for the front wheel, the side opposite the disc). No loss of stiffness, but a considerable saving in weight.



DSRC

ROAD

Exclusive rim/spoke coupling system. It allows the rim, spokes, nipples and hub to align properly with the same tensioning value in all areas. The nipple base is optimised to prevent spoke tensile force from directly impacting the carbon fibre. This force is instead transferred to a special polymer insert, which is also self-locking, thereby requiring less frequent maintenance and drastically reducing stress on the rim.

MO-MAG™ MOUNTING MAGNET

ROAD

What is MoMag™? A magnet and lots of genius. This was what led to the patent for the well-tested “Mounting Magnet” system, or MoMag™. How does it work? The nipples, once inserted inside the rim via the valve hole, are “guided” to the point of connection with the spoke by means of the magnet. This simple but ingenious system makes it possible to have a wheel without holes on the upper bridge, but with spokes tensioned by traditional nipples!

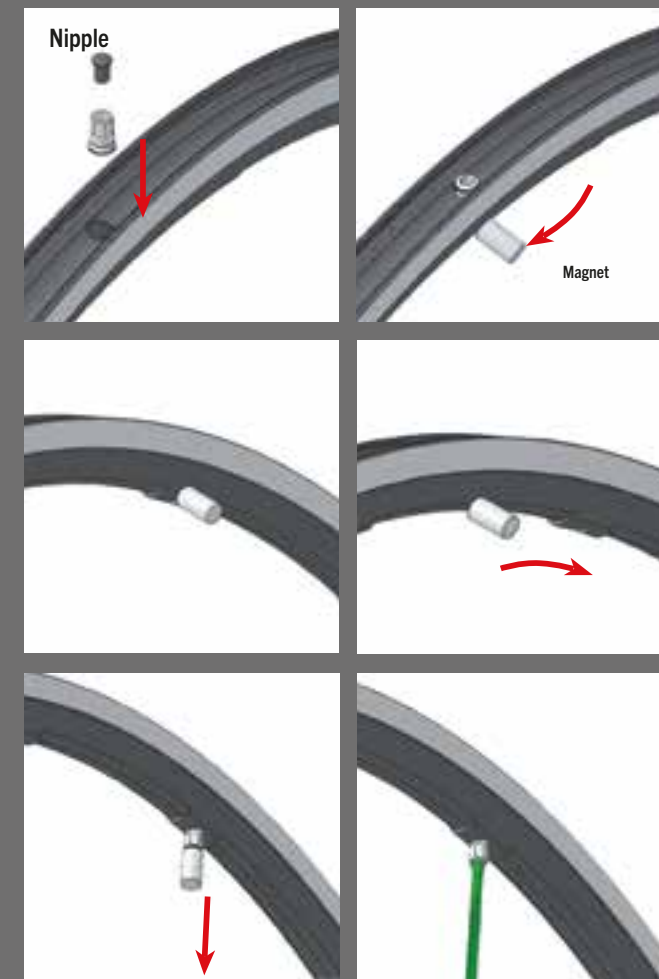
Advantages

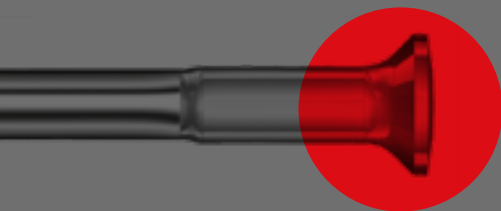
A rim with no spoke holes on the tire side means that the rim is completely uniform and thus eliminating high stress areas or weaker points. It also eliminates the need for rim tape as the sharp edges of the spoke hole are no longer a threat. No rim tape also means less weight.

The advantages are immediately clear:

- Longer rim lifetime
- Greater resistance to fatigue
- The possibility to give the spokes greater tension
- Greater/higher stiffness

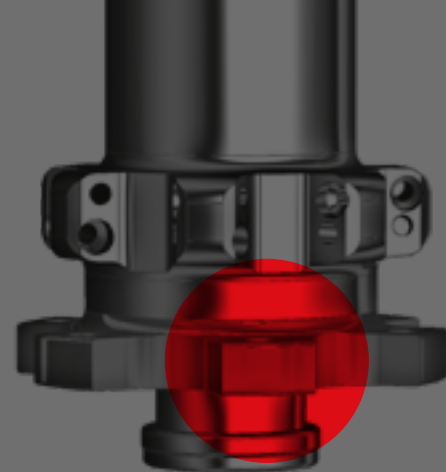
There are countless performance advantages associated with this technology but not to be overlooked are also the ease of maintenance and spoke replacement.





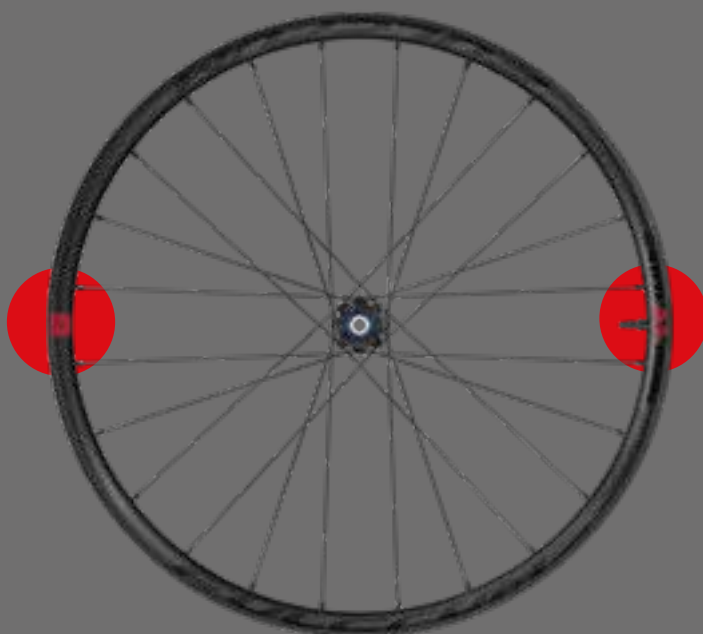
REINFORCED HEAD SPOKES E-MTB

For the new E-Mtb Fulcrum range, only oversize spokes, with a specific reinforcement design on the heads, will be used: this makes it possible to have the best quality of response to stress both in terms of resistance and in terms of transfer of the propulsive power.



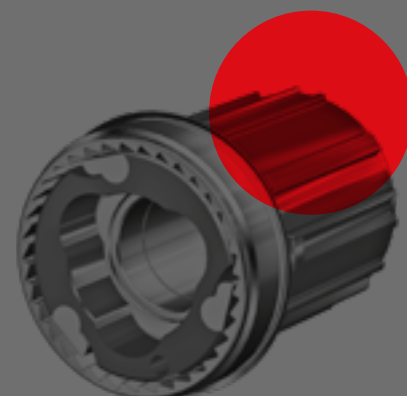
REINFORCED DISC FLANGE E-MTB

A lot of speed and increased weight obviously affect the braking system just before approaching a bend. The disc flange becomes a fundamental part because it is the interface between the disc, where the callipers grip, and hub, which transfers to the rim the braking force. The new flange is thicker compared to the previous one. It is also 5% more rigid to ensure a robust support when braking.



REINFORCED FREE HUB BODY E-MTB

The drastic increase of power and jerks, due to the intervention of the motor, made it necessary to use a freewheel body with tempered steel dedicated gears, which are able to withstand a breaking tension by 30% greater. The laboratory analysis observed the behaviour of the individual ratchets on cycles greater than one billion of uses: the carburised steel ensures an estimated lifetime that is 4 times longer compared to the Eral model used for the non-E-Mtb models



RDB™ RIM DYNAMIC BALANCE ROAD, GRAVEL

DYNAMIC BALANCE™ ALUMINIUM RIMS

The concept is simple and elegant: balance the weight of the gasket, with an item of similar weight placed on the exact opposite side. For top models, this is obtained by a special operation on the section of the rim opposite the rim joint. For entry-level models, Dynamic Balance™ is obtained by using two oversized spokes in the section opposite the joint. The result is a wheel with perfectly balanced rotational dynamics.

RIM DYNAMIC BALANCE™ CARBON WHEELS

For carbon wheels the principle is the same, but applied using a different technology. When making carbon rims, the pieces of carbon fabric are aligned in such a manner that the resulting rim is always balanced.

RIM FULL CARBON TECH ROAD



Full carbon Fulcrum® rims are built using combinations, developed in the laboratory, of different types of fibre, including UD and the famous 3K or “Longitudinal Twill” of models at the top of our range.

To build them we developed a special HTG (high transition grade) resin, whose glass transition point is at a higher temperature than any other fibre used in the bicycle industry. This gives incomparable performance when braking.

Fulcrum® carbon products are also recognisable for their sophisticated workmanship: The rims are moulded with ready-made nipple holes, so no further hole-making is needed. Nor is polishing necessary to give them an impeccable appearance or make them technically ready for mounting.



SPECIFIC NIPPLE AND NIPPLE HOUSING E-MTB

Such a small part, yet so important. The nipples and their housing are one of the most important element that are taken into account during the design of a wheel.

Thanks to a special housing, with side guides on both sides, the nipple sets on a stable base, perfectly in position, oriented towards the spoke.

This makes it possible to make the distribution of the tensions in the rim more even, creating thus perceptible benefits in terms of effort and rigidity: this prevents misalignments under stress and, as a consequence, deformation to the structure.



SQUARE MILLING ROAD

For the new Racing Zero's aluminium rim, we decided to keep the triple-milled structure throughout the profile to minimise aluminium thicknesses. Next, our technicians added 3D milling at the base of the spokes. This means less material but the same reliability since, in this particular design, the forces are well distributed over the rim. Triple and “Square” milling enable maximum weight reduction on the rim periphery, producing an extremely responsive wheel.



UNDRILLED CARBON RIM BED ^{MTB}

No holes on the bridge connector means that the rim is uniform at every point, free from critical areas subject to stress. The advantages are immediately clear: less weight, longer lasting rims, greater resistance to fatigue, the possibility of giving the spokes more tension and more stiffness which, in terms of performance, means improved responsiveness and acceleration.



USB TM

ULTRA SMOOTH BEARINGS TM

Fulcrum® has a long-standing reputation for the extremely high performance of its hubs in terms of smoothness and reliability. In fact, we develop each and every hub in house and place obsessive care into the most minute detail. With this work ethic and attention to detail in mind we choose to employ USB TM ceramic bearings to further reduce our wheels' rolling resistance, weight and need for maintenance.

Comparative tests have shown that USB TM bearings are 50% smoother than standard bearings. Now improving your performance during the race or simply going for a ride with your friends will be easier.

USB



2:1 TWO-TO-ONE TM SPOKE RATIO

When you push on the pedals, the rotational force on the sprocket induces a slackening of the freewheel spokes with a consequent loss of rim tension. This results in undesirable flex of the whole wheel and an unavoidable loss of energy. Fulcrum® has solved this classic cycling problem with its 2:1 Two-to-One TM Spoke Ratio patent, by doubling the spokes in the critical zones. As a result there are two spokes which carry out the function of one, slackening and torsion are limited and the transfer of the athlete's power is much more effective. Also, thanks to this system, spoke tensions are balanced more evenly between drive and non-drive sides and the fatigue life of the rim, hub and spokes is lengthened.



2-WAY FIT TM READY

TUBELESS READY SOLUTION

The evolution of tubeless in a rim for racing or mountain bikes. Our profile ensures perfect compatibility with tubeless-ready tires after quick easy transformation. We have combined the advantages of tires without inner tubes, lower rolling resistance and better ground grip on bends—in other words, improved steering, true response and increased comfort. The transformation calls for tape and tubeless valves, and a sealant must be used.

2-WAY FIT TM

2-WAY FIT TM PROFILE FOR TUBELESS AND CLINCHER

Tubeless technology was first used by the auto industry, then by motorcycles and now has reached the cycling industry. After its debut with mountain bikes the moment has come to “put it on the road”, and that's what we propose to do. We have developed our 2-Way Fit TM technology to ensure the perfect compatibility of our tubeless rims with normal clincher types and tubes.

2-Way Fit TM wheels are perfectly multipurpose for tackling every situation. Thanks to a special impression in the valve area, the tubes are fitted with the maximum precision while keeping the tube perfectly stable inside the tyre. Housing the valve for tubeless tyres is also risk-free, with the unquestionable advantage that there are never any air infiltrations caused by non-ideal positioning when fitting. The advantages are indisputable: our tests have highlighted an unique increase in smoothness. Because there is no tube, the friction caused by rubbing against the tyre is eliminated, while the perfect adherence of the tyre to the rim prevents the dispersion of energy. Tubeless tyres do not suffer from sudden deflation when punctured which is a great advantage in safety terms. There is also no risk of snake bites as there is no tube to rupture.

You may ask, “what do I do if I get a flat with a tubeless tire?” Not to worry! With Fulcrum® 2-Way Fit TM you must simply remove the tubeless valve and use a standard inner tube to get you back home.



2-WAY FIT TM
TUBELESS & CLINCHER PROFILE



CERTILOGO®

FULCRUM® AND CERTILOGO® AGAINST COUNTERFEITING: A TANGIBLE ANSWER THAT PROTECTS OUR CLIENTS' SAFETY AND PURCHASES.

Top-end Fulcrum® wheels are considered by the market and by aficionados to be reference products and as such are highly desirable. They have therefore also become appetizing to counterfeiters who have cloned some of our models (especially those in carbon fiber) releasing considerable numbers onto the international markets.

The wheel is a performance product, but also a safety component. This aspect means that those who purchase a fake product, while saving money on something that clearly costs much less than the going market price, puts their personal safety at great risk. The materials and production processes that together help to achieve a safe performing product are obviously not the same. With the aim of fighting and combating these counterfeiters, Fulcrum® is the first in the cycling sector to have put in place, thanks to the support of Certilogo®, a control system that enables our clients to authenticate the product simply and immediately.

The tag will comprise a Certilogo® Code (in both numerical and QR code) that allows anyone, before or after purchase to check that the product is authentic. To authenticate Fulcrum® wheels, just visit www.certilogo.com, insert the CLG Code given on the tag or download the Certilogo APP free from Apple Store.

The tag will also have a Security Code covered by a silver stripe (technology similar to that used on mobile top-up cards). In certain circumstances, the end user (and only the end user) may be required to enter this code by Certilogo®. This countercheck may be useful, for example, in the case of online sales (when the client has no guarantee that the product viewed is the same one supplied). We suggest you keep the Fulcrum® Original Wheels tag even after product authentication for possible future use and, if necessary, to confirm ownership of the product.

F.I.C.

Since its inception Fulcrum® has been dedicated to researching, developing, designing, testing, producing and perfecting wheels that live up to the prestigious red “F” that symbolizes the quality standard required of all products that leave our factory. With an extensive R&D department, Fulcrum® takes pride in producing the most advanced, reliable and highest performing products possible.

The studies and development behind all of our products is extensive in order to ensure the maximum in performance

and product integrity. To guarantee the same quality and performance in each and every product that leaves the factory a meticulous quality control system has been put in place. Every single product must undergo a series of intense and strict testing at every stage in the production process as well as a post production test in order to confirm that every wheel, spoke and quick release is in line with our stringent quality standards.

Read more on:
www.fulcrumwheels.com



TRACEABILITY

The traceability program gives advantages all around. First and foremost to our consumers as it proves to them that they have acquired an original product. Secondly it is also a quality control measure for after-sale issues.

Should you have any problem whatsoever with your wheel Fulcrum® can immediately identify the exact time at which any given product was produced in order to take measures to rectify any problem that may emerge. Fulcrum® demands absolute perfection in order to pass it along to cycling consumers.



**CATEGORY 1:
RIDING
ON PAVED
ROADS.**

This type of use includes bicycles and their components which can be used on paved roads where the tyres are intended to maintain ground contact.



**CATEGORY 2:
RIDING ON PAVED
AND UNPAVED
ROADS WITH
DROPS OF LESS
THAN 15 CM.**

This type of use includes bicycles and their components which can be used in category 1 or unpaved roads (tracks) with moderate gradients. In this type of use, contact with irregular terrain and loss of tyre contact with the ground may occur. Jumps and drops are intended to be less than or equal to 15 cm.



**CATEGORY 3:
RIDING ON ROUGH
TERRAIN WITH
DROPS OF LESS
THAN 61 CM.**

This type of use includes bicycles and their components which can be used in categories 1 and 2 or paths, roads and terrain that require technical expertise. Jumps and drops are intended to be less than or equal to 61 cm.



**CATEGORY 4:
RIDING ON ROUGH
TERRAIN WITH
DROPS OF LESS
THAN 122 CM.**

This type of use includes bicycles and their components which can be used in categories 1, 2 and 3, or steep downhill gradients on rough terrain at a speed of less than 40 km/h or a combination of these conditions. Jumps and drops are intended to be less than or equal to 122 cm.

ASTM CATEGORY

The “ASTM International categories”, defined by homonymous organisation, have as objective the definition of the areas of use of a wheel set. The categories are designed to describe different kinds of wheel set based on:

- The terrain and routes that it is able to face in the context of a use as planned
- The eligible level of stress to stay within the project limits

In this way it is possible to make an immediate association between ASTM category and a real situation of use and therefore to understand if you are making a suitable choice for your needs.

Adapted from ASTM F2043-13 Standard Classification for Bicycle Usage, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be obtained from ASTM www.astm.org

TECH
CHART
OVERVIEW

TECH CHART OVERVIEW	RIM													SPOKES & NIPPLES					HUB & BEARING														
	AC3	ARC	ASIMMETRIC RIM	BRAKE PADS	DIFFERENTIATED PROFILE	IN-FRAME	RIM FULL CARBON TECH	RDB™ RIM DYNAMIC BALANCE	SQUARE MILLING	UNDRILLED CARBON RIM BED	2-WAY FIT™	2-WAY FIT™ READY			DB 2:1 TWO-TO-ONE™	DSRC™	MO-MAG™	REINFORCED HEAD SPOKES	SPECIFIC NIPPLE AND NIPPLE HOUSING	2:1 TWO-TO-ONE	AFS™ AXLE SYSTEM	ANTI ROTATION SYSTEM™	CARBON HUBS	CULT™	CUP & CONE	PLASMA FREEHUB	REINFORCED DISC FLANGE	REINFORCED FREE HUB BODY	USB™	ASTM CATEGORY			
	SPEED 55 DB						●	●		●	●				●	●	●				●	●		●		●	●			●	2		
	SPEED 55T DB						●	●		●					●	●	●				●	●		●	●						2		
	SPEED 55C	●			●		●	●		●						●	●	●			●		●		●	●				●	2		
	SPEED 40 DB						●	●		●	●				●	●	●				●	●		●		●	●			●	2		
	SPEED 40T DB						●	●		●					●	●	●				●	●		●	●						2		
	SPEED 40C	●			●		●	●		●							●	●			●		●		●	●				●	2		
	WIND 75 DB						●	●		●	●						●	●				●										2	
	WIND 55 DB						●	●		●	●						●	●				●										2	
WIND 40 DB						●	●		●	●					●	●				●											2		
WIND 40C	●			●		●	●		●						●	●				●											2		
RACING ZERO™ CARBON CMPTZN DB		●					●	●		●	●			●	●	●		●	●	●	●	●	●	●	●						2		
RACING ZERO™ CARBON DB		●					●	●		●	●			●	●	●		●	●	●	●	●	●		●	●			●		2		
RACING ZERO™ CARBON	●			●			●	●		●					●	●			●	●		●	●		●	●			●		2		
RACING ZERO™ CMPTZN DB								●	●		●			●		●		●	●	●	●	●	●	●	●	●						2	
RACING ZERO™ DB								●	●		●			●		●		●	●	●	●	●	●		●	●			●			2	
RACING ZERO™ COMPETIZIONE					●			●	●		●					●		●	●		●	●	●	●	●	●						1	
RACING ZERO™								●	●							●		●	●		●	●			●	●			●			1	
RACING 3 DB			●					●			●			●		●		●	●	●				●								2	
RACING 3			●		●			●								●				●					●							1	
RACING 4 DB			●					●				●								●													2
RACING 4			●					●													●											1	
RACING 5 DB			●					●				●								●													2
RACING 5			●		●			●													●												1
RACING 6 DB			●					●				●								●													2
RACING 6			●		●			●													●												1
RACING 7 DB			●					●				●								●													2
RAPID RED 3			●					●				●						●		●					●								2
RAPID RED 5			●					●				●								●													2
RED ZONE 5								●				●								●													3
RED ZONE 7								●				●								●													3
RED METAL 5								●				●								●													3
RED FIRE 5								●				●								●													4
E - RACING 4			●					●				●								●										●			
E-METAL 3			●		●	●		●				●					●	●		●							●	●					3
E-METAL 5			●		●	●		●				●					●	●		●							●	●					3
E-FIRE 3			●		●	●		●				●					●	●		●	●						●	●					3
E-FIRE 5			●		●	●		●				●					●	●		●							●	●					3



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PRINTED:
September 2020

Weights specified are “average weights” that can vary by ± 5%,
do not include quick release or valves.

Fulcrum Wheels Srl reserves the right to modify at any time
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