IGNITE CARBON 29”

FRAME PASSPORT

LAST UPDATE: 11/10/2017

#BeTOUGH

INDEX

0. UPDATES

The development of frames, forks and components is a continuous process. Therefore we strongly advise to check our website for new updates, before reading this information sheet.

1. GENERAL

1.1. DESCRIPTION

The new Ignite C29 frame is a carbon hardtail mountainbike frame, compatible with 29” wheels. It is created to offer a perfect blend between high pedaling efficiency, quick handling, enhanced comfort and good looks. 29er frames/wheels offer improved stability, better traction and a more forgiving ride. These bikes are ideal for long rides, open fireroads speeding and rough terrain.

1.2. PART CODES

All the Ignite C29 frames have a particular article code, composed by the letters “FRAIC9RID...”, added by 3 numbers. The three numbers change depending on the design and size of the frame. Due to the big amount of frames we don’t list all the article codes but you can contact your local dealer for more information if needed.

2. MATERIAL

The Ignite C29 uses a proprietary blend of High Modulus and High Resistance carbon fibres. After various computer simulations and extensive testing we strategically placed High modulus fibres to improve the stiffness and torsional rigidity. On specific frame sections, where a High Modulus fibre would be too brittle, we use High Resistance fibres as a reinforcement, to increase the impact resistance. To save weight we decided to eliminate the cosmetic outer carbon layer, showing only the Unidirectional fibres underneath. The result is a hardtail frame that distributes all loads and stresses in the best possible way to ensure optimal performance and durability.

Used frame materials:

30 ton High Modulus & High Resistance Unidirectional Carbon
24 ton High Modulus Unidirectional Modulus Carbon
Stainless steel (drop out protection plates)

3. WEIGHT

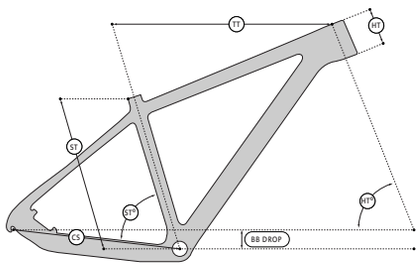
3.1. FRAME

M size: 1340 gram*

(*) Average weight of an unpainted frame, size Medium. Actual weight can change according to size, paint finish and factory tolerances.

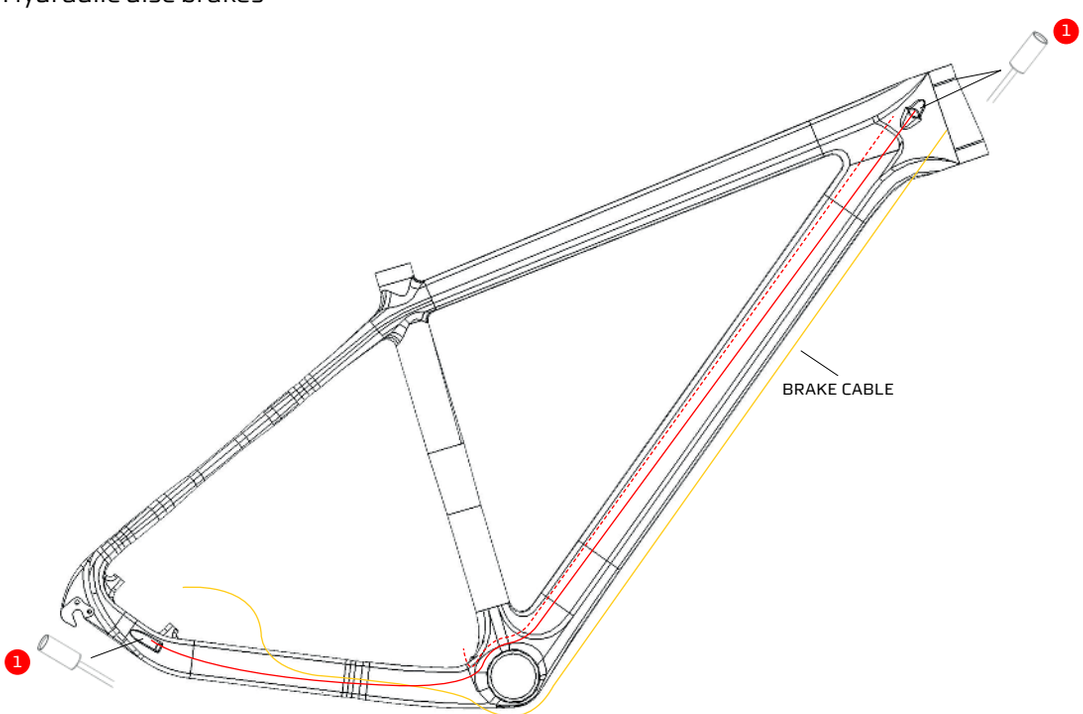
4. GEOMETRY

SIZE	S/T	T/T	C/S	H/T	S/T°	H/T°	BB DROP	FORK TRAVEL
M	430	600	445	100	73,5	71,0	62,5	80-100MM
L	480	620	445	115	73,0	71,0	62,5	80-100MM
XL	530	640	445	130	72,5	71,5	62,5	80-100MM



5. CABLE ROUTING

The Ignite C29 frame features internal cablerouting and is compatible with:
Mechanical drivetrains
Hydraulic disc brakes



NO.	PART	PART CODE	QUANTITY
1	END CAP, SHIFTER CABLE	CABSTIJAG037	3

The internal cable routing was specifically designed to improve performance, save weight and get a clean look. By using lightweight internal liners there is no need to run the outer housing inside the frame. People often are surprised to learn that regular cable housing is almost entirely made of steel so this can easily save up to 100g on a complete bike. It's a completely closed system so mud and dirt can't get in. The internal liners also make changing cables very easy without the need for special tools.

In order to further improve performance and durability, we advise to use Jagwire closed cablesystem
Ridley part code: CABSTIJAG037

The hydraulic rear brake hose runs externally along the downtube, through clip-on style cableguides. This ensures easy maintenance and replacement.

6. PARTS

6.1. FORK

The Ignite C29 is compatible with both rigid and suspension forks, from various suppliers. The framegeometry is suited for 80mm or 100mm travel forks.

Because the frame has a tapered headtube (1 1/8" to 1 1/2"), we advise to use forks with tapered steerer. This will give best stiffness and steering precision. However, it is possible to use forks with a non-tapered 1 1/8" steerer by using a compatible headset/fork ring.

6.2. HEADSET

45° Oversized angular contact bearing (S.H.I.S. : ZS44/28,6|ZS56/40):
Lower bearing: 1 1/2"
Upper bearing: 1 1/8"

Recommended headset:

RIDLEY PART CODE	TYPE	BRAND
HSEMTBFSA008	NO.57E (ANGULAR CONTACT BEARING)	FSA

Additional fork ring when using forks with non-tapered 1 1/8" steerer
Ridley part code: HSPCUPFSA012

6.3. SEAT POST

The Ignite C29 frames uses a standard 31,6mm seatpost. We advise to use a seatpost with sufficient length (400mm)
in order to reach the desired saddle height. Always refer to the minimum seatpost insertion marks on the seatpost.

Seatpost clamp is 36,6mm
Ridley part code: SPCSNG4ZA013

6.4. BOTTOM BRACKET

The bottom bracket is designed for press fit BB30 cups with a diameter of 46 mm and width of 73 mm.

6.5. BRAKES

The Ignite C29 frame is only compatible with disc brakes. There are no rim brake posts.
The rear brake caliper is attached to the frame on the left chainstay/drop-out. It uses the postmount standard and has a minimum rotor size of 160mm.

6.6. DERAILLEURS

6.6.1. FRONT

The Ignite C29 frame is compatible with High Clamp / Down Swing front derailleurs with 34,9mm clamp.
Cable routing is bottom pull so please use bottom pull or dual pull front derailleurs only.

6.6.2. REAR

The ignite C29 frame is compatible with standard mount rear derailleurs.

6.7. DROP OUTS

The Ignite C29 frame is equipped with a replaceable rear derailleur hanger, to protect the frame from incidental damage. Ridley Article code: HAAMTBRID008
The carbon drop outs have stainless steel inserts for extra protection.

7. WHEELS AND TIRES

7.1. FRAME

The frame is developed for 29" mountain bike wheels with a build in width (OLD) of 135mm. The frames uses a standard Quick Release system.

7.2. TIRES

The Ignite C29 frame features sufficient clearance for tires up to size 29 x 2.4. Big volume tires have low rolling resistance, more grip and better comfort, all resulting in a better ride.

8. WARRANTY INFORMATION

8.1 MAXIMUM RIDER WEIGHT

The maximum advised rider weight is 110 kg.