



IGNITE ALLOY 27,5"
FRAME PASSPORT

LAST UPDATE: 18/10/2016

#BeTOUGH

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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 A27 frame is an aluminium 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 A27 frames have a particular article code, composed by the letters "FRAIGNRID...", 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 A27 is build with triple butted 6061-T6 heat treated aluminium. The custom designed downtube is shaped using hydroforming technology. It features an integrated gusset near the headtube to increase the strength and stiffness and lower the weight. The frame uses high quality "double pass" flat welding, which offers the best combination of clean, smooth looks and increased welding strength.

3. WEIGHT

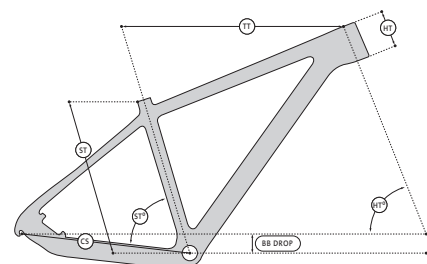
3.1. Frame

1750 gram*

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

4. GEOMETRY

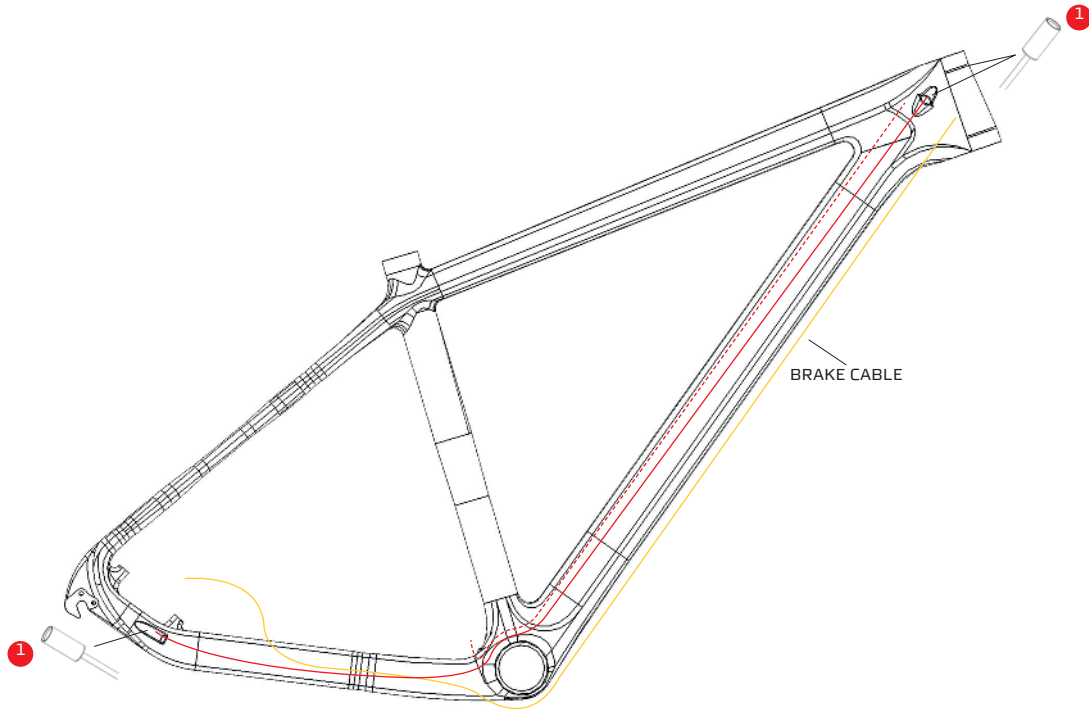
SIZE	S/T	T/T	C/S	H/T	S/T [°]	H/T [°]	BB DROP	FORK TRAVEL
S	380	570	430	100	73,5	70,5	50	80-100MM
M	430	590	430	110	73,0	71,0	50	80-100MM



5. CABLE ROUTING

The Ignite A27 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. The custom hydroformed downtube features an integrated cable exit point near the bottom bracket which make changing cables very easy, without the need for special tools. To guide the cable under the bottom bracket the frames uses a bolt-on cable guide. Ridley part code: CBGR-CERID001

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 A27 is compatible with both rigid and suspension forks, from various suppliers. The frame geometry is suited for 80mm or 100mm travel forks. Because the frame has a tapered head-tube (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. : Z544/28,6|Z556/40):

- Lower bearing: 1 1/2"
- Upper bearing: 1 1/8"

Recommended headsets:

RIDLEY PART CODE	TYPE	BRAND
HSEMTBFSA004	NO.57E (ANGULAR CONTACT BEARING)	FSA
HSEMTBFSA005	NO.57B (CAGED BALL BEARING)	FSA

Additional fork ring for headset listed above, when using forks with non-tapered 1 1/8" steerer

Type1: Ridley part code: HSPCUPFSA012

Type2: Ridley part code: HSPCUPFSA014

6.3. Seat post

The Ignite A27 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 34,9mm

Ridley part code: SPCSNG4ZA003

6.4. Bottom bracket

The bottom bracket is designed for BSA threaded cups and shell width of 73 mm.

6.5. Brakes

The Ignite A27 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 A27 frame is compatible with Low Clamp / Top 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 A27 frame is compatible with standard mount rear derailleurs.

6.7. Drop outs

The Ignite A27 frame is equipped with a replaceable rear derailleur hanger, to protect the frame from incidental damage. Ridley Article code: HAAMTBRID007

6.8. Tire clearance

The Ignite A27 frame features sufficient clearance for tires up to size 27,5 x 2.4. Big volume tires have low rolling resistance, more grip and better comfort, all resulting in a better ride.

7. WHEELS

7.1. Frame

The frame is developed for 27,5" mountain bike wheels with a build in width (OLD) of 135mm. The frames uses a standard Quick Release system.

8. WARRANTY INFORMATION

8.1. Maximum rider weight

The maximum advised rider weight is 95 kg.

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