

FRAME PASSPORT

X-FIRE DISC



RIPLEY

X-FIRE DISC
FRAME PASSPORT

Type: 7DD
last update: 11/10/2017

#BeTOUGH

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0. UPDATES

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

1. GENERAL

1.1. DESCRIPTION

Turn grit into glory and allow your expectations to be exceeded with the X-Fire. The X-Fire offers unbeatable value for money and is the best performing frame in its class.

1.2. PART CODES

All the X-Fire Disc frames have a particular part code composed by the letters "FRAXFI...", 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 numbers but you can contact your local dealer for more information if needed.

2. MATERIAL

Used frame materials:

- 24 ton High Modulus Carbon
- Stainless steel (drop out protection plates)

3. WEIGHT

3.1. FRAME

| SIZE | WEIGHT (*) |
|------|------------|
| 41 | 1250 GRAMS |
| 48 | 1270 GRAMS |
| 50 | 1310 GRAMS |
| 52 | 1320 GRAMS |
| 54 | 1330 GRAMS |
| 56 | - GRAMS |
| 58 | - GRAMS |

(*) Weight of painted frame, real weight may differ from the weight mentioned above by 5 %.

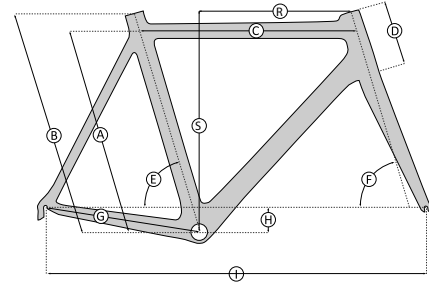
3.2. FORK

The X-fire originally featured a 4ZA Oryx quick release fork with a weight of around 440 g (*). This fork will be submitted to a running change with the 4ZA Oryx thru axle fork starting from 2016. This thru axle fork has a weight of approximately 460 g (*).

(*)Weight of painted fork, real weight may differ from the weight mentioned above by 5 %.

4. GEOMETRY

| SIZE | A | B | C | D | E | F | G | H | I | S | R |
|------|-----|-----|-----|-----|------|----|-----|----|------|-----|-----|
| 41 | 410 | 450 | 502 | 90 | 74,5 | 72 | 425 | 53 | 1000 | 710 | 378 |
| 48 | 480 | 520 | 525 | 115 | 74,5 | 72 | 425 | 57 | 1010 | 769 | 385 |
| 50 | 500 | 540 | 530 | 125 | 74 | 72 | 425 | 57 | 1012 | 785 | 381 |
| 52 | 520 | 560 | 535 | 145 | 73,5 | 72 | 425 | 59 | 1014 | 804 | 377 |
| 54 | 540 | 580 | 545 | 165 | 73,5 | 72 | 425 | 61 | 1020 | 824 | 380 |
| 56 | 560 | 600 | 560 | 185 | 73,5 | 72 | 425 | 61 | 1040 | 843 | 389 |
| 58 | 580 | 620 | 575 | 205 | 73 | 72 | 425 | 61 | 1050 | 861 | 394 |



5. CABLE ROUTING

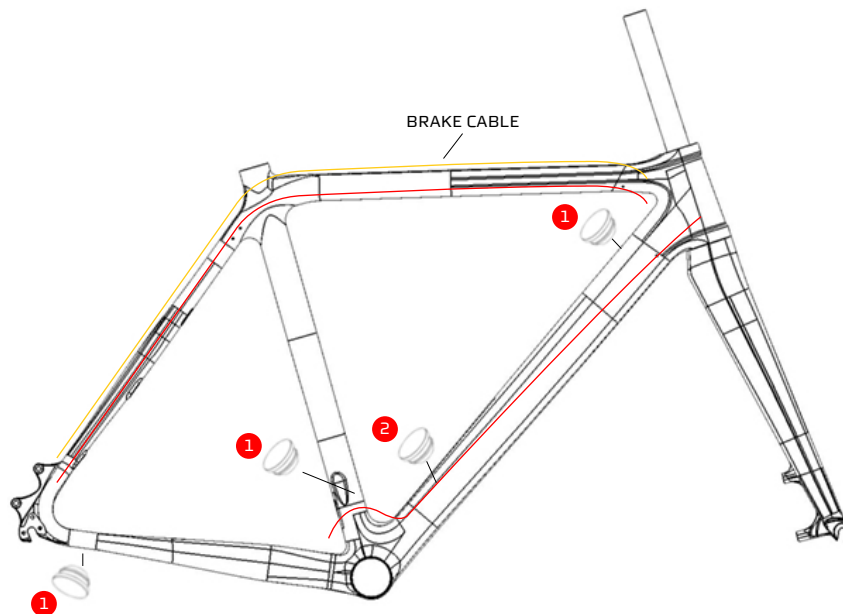
5.1. COMPATIBILITY

The X-Fire Disc is compatible for:

- Mechanical groupsets
- Electronical groupsets: Shimano Di2 & Campagnolo EPS

5.2. MECHANICAL CABLE ROUTING

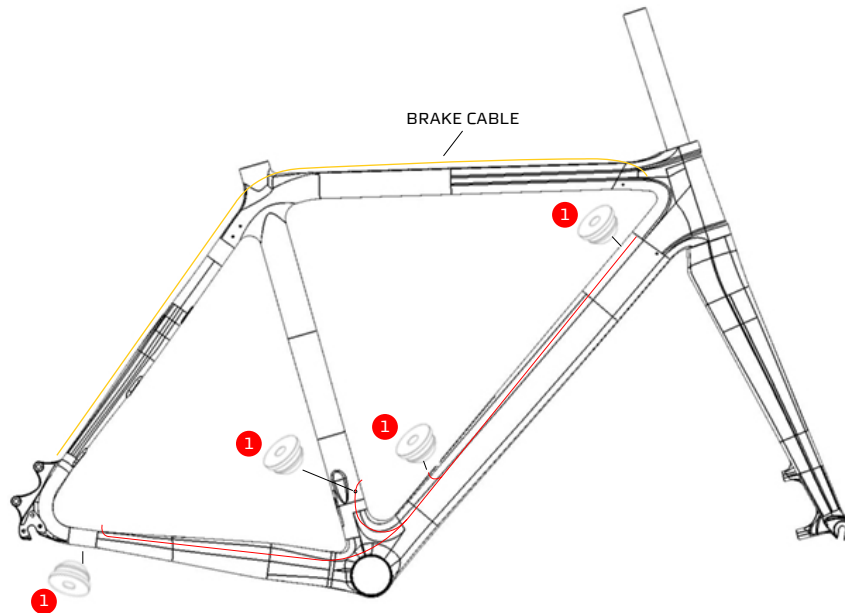
For the mechanical cable routing of the X-Fire Disc the full outer cable passes the tubes of the frame like illustrated below.



| NO. | PART | PART CODE | QUANTITY |
|-----|---------------------|--------------|----------|
| 1 | CLOSED GROMMET | FRPGROJAG002 | 3 |
| 1 | CLOSED GROMMET 10MM | FRPGROJAG007 | 1 |

5.3. ELECTRONIC CABLE ROUTING

Below you can find a drawing of the parts needed for an electronic groupset:



| NO. | PART | PART CODE | QUANTITY |
|-----|-------------------|--------------|----------|
| 1 | OPEN GROMMET | FRPGROJAG003 | 3 |
| 2 | OPEN GROMMET 10MM | FRPGROJAG008 | 1 |

Battery mount position:
On top of the down tube, below the bottle cage.

6. PARTS

6.1. FORK

The standard fork, used for the X-Fire Disc, is the 4ZA Oryx Disc fork. Pre 2016 forks feature a 9mm quick release, post 2016 forks will feature a 12mm Thru-axle.

6.1.2. MATERIAL

- Fork legs: Carbon
- Steerer tube: Carbon

6.1.3. DIMENSIONS

- Steerer tube length: 300 mm
- Headset: 1 1/8" upper ring – 1 1/2" lower ring
- Fork rake: 47 mm
- OLD (OverLock nut Distance): 100 mm

6.1.4. BRAKES

The Oryx disc fork is compatible for post mount disc brakes with a maximum rotor size of 160 mm.

6.1.5. PART CODES

All the 4ZA Oryx forks have a particular part code composed by the letters "FORORY4ZA...", added by 3 numbers. The three numbers, depending on the design. Due to the big amount of forks we don't list all the numbers but you can contact your local dealer for more information if needed.

6.2. HEADSET

45° Oversized angular contact bearing (S.H.I.S. : IS42/28,6|IS52/40):

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

Recommended headset:

| RIDLEY PART CODE | TYPE | BRAND | BRAKES |
|------------------|------------------|-------|-------------|
| HSECRSFS008 | 9M/CUP/CC/42/ACB | FSA | DISC BRAKES |

6.3. SEAT POST

The X-Fire disc frame is developed to use a 31,6 mm seat post. To fix the seat post the 4ZA 34,9 mm (Part Code: SPCSNG4ZA011) seat post clamp can be used.

6.4. BOTTOM BRACKET

The bottom bracket is designed for press fit BB30 cups with a diameter of 46 mm and width of 68 mm.

Below bottom bracket cups are being used for the standard assembled bikes.

| PART CODE | BRAND | DESCRIPTION | CRANKSET |
|--------------|------------|--|---|
| BBRPF3SRA001 | SRAM | PRESS FIT BB 30 CUPS | SRAM PRESSFIT BB 30 CRANKSETS |
| BBRPF3SRA003 | SRAM | PRESS FIT BB 30 TO BSA 68 ADAPTER | SRAM BSA 68 CRANKSETS SHIMANO BSA 68 CRANKSETS |
| BBRPF3CAM002 | CAMPAGNOLO | ULTRA TORQUE™ OS-FIT™ INTEGRATED CUPS BB30 68X46 | CAMPAGNOLO ULTRA TORQUE CRANKSETS |
| BBRPF3CAM003 | CAMPAGNOLO | POWER TORQUE™ OS-FIT™ INTEGRATED CUPS BB30 68X46 | CAMPAGNOLO POWER TORQUE CRANKSETS |

6.5. BRAKES

The X-Fire is suited for most standard brakes, available in the market.

Fork: – Type: Post mount
– Max. rotor size: 160 mm

Frame: – Type: IS mount
– Max. rotor size: 140 mm

6.6. DERAILLEUR

6.6.1. FRONT

The frame is designed to use a clamp on down pull derailleur for a 34,9 mm seat tube. Also a braze on derailleur can be used if it's used together with the 4ZA 34,9 mm front derailleur clamp (Part code: FDCNOB4ZA004).

6.6.2. REAR

The hanger, used for the X-Fire Disc is the HAACRSRID008.



6.7. DROP OUTS

The carbon drop outs have stainless steel inserts for extra protection.

7. WHEELS AND TIRES

7.1. FRAME

The frame is developed for 700C cyclocross disc wheels with a build in width of 135 mm and a quick release system with a maximum diameter of 9 mm.

7.2. FORK

The pre 2016 fork is developed for 700C cyclocross disc wheels with a build in width of 100 mm and a quick release system with a maximum diameter of 9 mm. The post 2016 fork is developed for 700C cyclocross disc wheels with a build in width of 100 mm and a Thru axle system with a 120 mm width, 12mm diameter and a M12*P1.5 thread.

8. WARRANTY INFORMATION

8.1 MAXIMUM RIDER WEIGHT

The maximum advised rider weight is 95 kg.

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