



FENIX DISC CARBON

FRAME PASSPORT

TYPE: 7DE
LAST UPDATE: 27/06/2017

#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

The Fenix Disc is based on the popular Fenix. It shares many of the Allround-Endurance design features but adds another level of versatility by offering disc brakes, expanding possibilities and pushing boundaries. It makes no compromises, offering aggressive race bike handling and powerful stopping power in a bike that lasts as long as you dare. The rear triangle is slightly longer to offer more stability on rough terrain and to make it possible to use 28mm tires. The full internal cablerouting not only looks clean but also improves aerodynamics.

Bred with the rich, Ridley pedigree of hard man road racing and cyclocross heritage, the all-rounder, lively Fenix Disc is ready to go wherever you go — and fast.

1.2. PART CODES

All the Fenix frames have a particular part code composed by the letters “FRAFECRID...”, 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 (*)
XXS	1230
XS	1250
S	1270
M	1310
L	1350
XL	1410

(*) Weight of painted frame, real weight may differ from the weight mentioned above by 10 %.

3.2. FORK

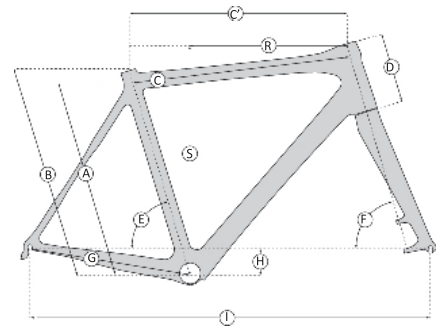
The weight of the 4ZA Fenix Carbon fork is around: 510 g (*)

(*) Weight of painted fork, real weight may differ from the weight mentioned above by 10 %.

4. GEOMETRY

SIZE	A	B	C	C'	D	E	F	G	H	I	J*	S	R
XXS	410	450	498	515	110	75,0	71,8	410	68	975	690	505	380
XS	440	480	506	525	130	74,0	72,0	410	68	975	740	530	375
S	470	510	530	545	145	73,5	73,0	410	66	982	750	545	385
M	500	540	549	565	175	73,0	73,5	410	66	992	780	575	390
L	530	570	567	585	205	72,5	73,5	413	63	1005	810	602	400
XL	560	600	583	600	230	72,5	74,0	413	63	1014	840	625	405

(*) J: Stand over height



5. CABLE ROUTING

5.1. COMPATIBILITY

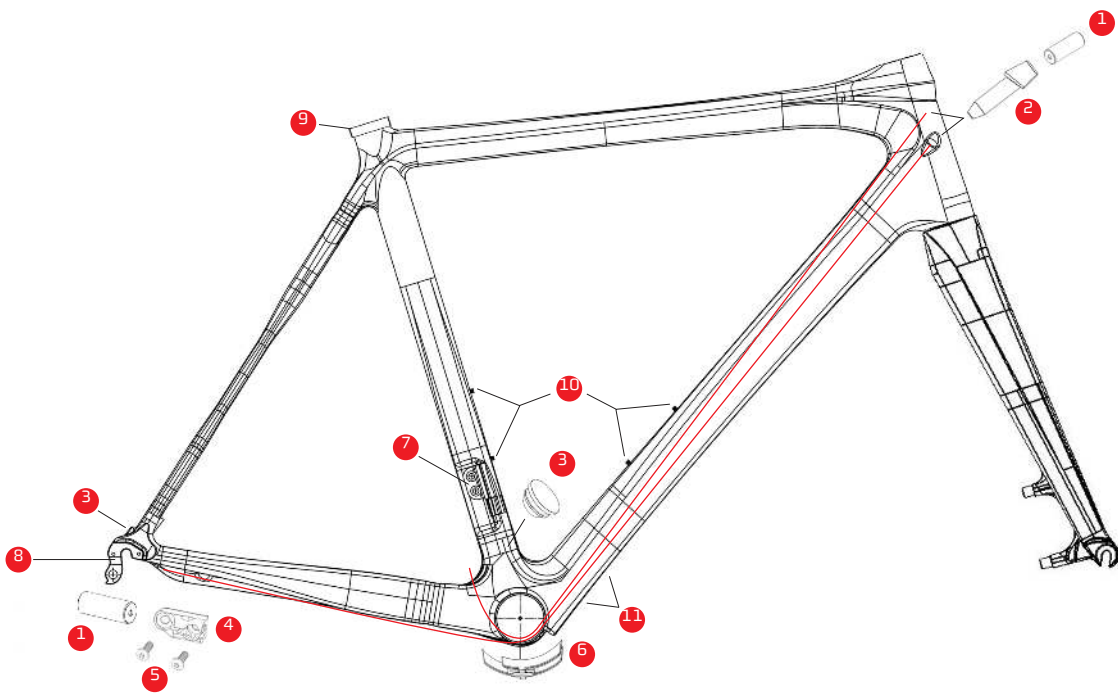
The Fenix is compatible for:

Mechanical groupsets

Electronical groupsets: Shimano Di2, Campagnolo EPS & SRAM eTap

5.2. MECHANICAL CABLE ROUTING

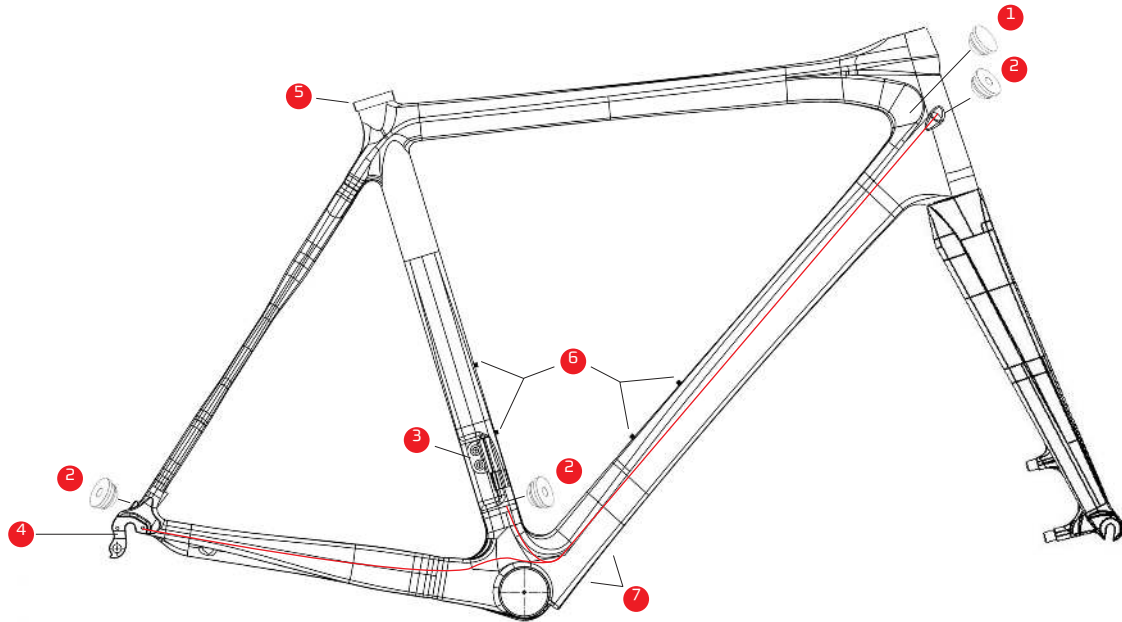
Below you can find the parts needed for a mechanical groupset:



NO.	PART	PART CODE	QUANTITY
1	END CAP, SHIFTER CABLE	CABSTIJAG037	3
2	CABLE STOPPER	FRPSTORID006	2
3	CLOSED GROMMET	FRPGROJAG002	2
4	REPLACEABLE CABLE STOPPER	FRPCSTRID003	1
5	BOLT REPLACEABLE CABLE STOPPER	BLTNOBRID019	2
6	CABLE GUIDE	CBGR CERID007	1
7	FRONT DERAILLEUR HANGER	FDCFEC4ZA003	2
8	REAR DERAILLEUR HANGER	HAACRSRID018	1
9	SEAT POST CLAMP	SPCSNG4ZA011	1
10	M5 BOLT	BLTNOBNOB001	4
11	M4 BOLT	BLTNOBNOB018	2

5.3. ELECTRONIC CABLE ROUTING

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



NO.	PART	PART CODE	QUANTITY
1	CLOSED GROMMET	FRPGROJAG002	1
2	OPEN GROMMET	FRPGROJAG003	3
3	FRONT DERAILLEUR HANGER	FDCFEC4ZA003	1
4	REAR DERAILLEUR HANGER	HAACRSRID018	1
5	SEAT POST CLAMP	SPCSNG4ZA011	1
6	M5 BOLT	BLTNOBNOB001	4
7	M4 BOLT	BLTNOBNOB018	2

– The replacable cable stopper below the chain stay is only needed for a mechanical shifter cable and can be removed for the electrical configuration.

Internal batteries can be mounted in the seat post (Shimano) or seat tube (Campagnolo).

- External batteries can be mounted on the downtube, near the bottom bracket
- Shimano DI2 Internal batteries can be installed in the seatpost, by using specific adapter SPTDI24ZA002

6. PARTS

6.1. FORK

The standard fork, used for a Fenix disc, is the 4ZA Fenix disc fork.

6.1.1. MATERIAL

Fork legs: Carbon
Steerer tube: Carbon

6.1.2. DIMENSIONS

Steerer tube length: 300 mm
Headset: 1 1/8" upper ring – 1 1/2" lower ring
Fork rake: 45 mm
OLD (OverLock nut Distance): 100 mm

6.1.3. EXPANDER

The expander used for the Fenix Disc is the FPLCRN4ZA003

6.1.4. BRAKES

The fenix disc fork is designed for use of post mount disc brakes in combination with a 140 mm rotor. A 160 mm rotor can be mounted by use of an adapter.

6.1.5. PART CODES

All the 4ZA Fenix disc forks have a particular part code composed by the letters "FORCFR4ZA...", 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 headsets:

RIDLEY PART CODE	TYPE	BRAND
HSERACFSA008	NO.42/ACB-A-H6091	FSA
HSERACFSA009	NO.42/CFST/ACB-A-H6091	FSA

6.3. SEAT POST

The Fenix 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 30 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	COMPATIBLE CRANKSETS
BBRPF3SRA001	SRAM	PRESS FIT 30 CUPS	SRAM PRESS FIT 30 CRANKSETS
BBRPF3SRA003	SRAM	PRESS FIT 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
BBRPF3CBE003	C-BEAR	C-BEAR CUPS FOR CAMPAGNOLO ULTRA TORQUE	CAMPAGNOLO ULTRA TORQUE CRANKSETS
BBRPF3CBE004	C-BEAR	C-BEAR CUPS FOR CAMPAGNOLO POWER TORQUE	CAMPAGNOLO POWER TORQUE CRANKSETS
BBRPF3CBE005	C-BEAR	C-BEAR CUPS FOR SHIMANO, FSA AND ROTOR 24 MM AXLES	SHIMANO HOLLOWTECH II, FSA MEGA EXO, ROTOR 3D

6.5. BRAKES

The Fenix Disc is suited for most standard brakes, available in the market.

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

Frame: – Type: Post mount
– Max. rotor size: 160 mm*

* Fork and frame are designed to use a 140 mm rotor. An 160 mm rotor can be mounted by use of an adapter

6.6. DERAILLEUR

6.6.1. FRONT

The Fenix frame is equipped with a full replaceable braze on clamp (Part code: FDCFEC4ZA003) for the front derailleur.



6.6.2. REAR

The hanger, used for the Fenix is the HAACRSRID018.



6.7. DROP OUTS

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

7. WHEELS AND TIRES

7.1. FORK

The fork is developed for 700C race wheels with a build in width of 100 mm.

7.2. FRAME

The frame is developed for 700C disc race wheels with a build in width of 135 mm.

7.3. TIRES

The maximum recommended tire width is 28 mm. Please note that not all tire manufacturers use the same sizing standard so we recommend to do assembly check and confirm clearances.

8. WARRANTY INFORMATION

8.1. MAXIMUM RIDER WEIGHT

The maximum advised rider weight is 95 kg.

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