



X-NIGHT SL DISC

FRAME PASSPORT

Type: 7E1
last update: 25/07/2018

#BeTOUGH

INDEX

0. UPDATES.....	3
1. GENERAL.....	3
1.1. Part codes.....	3
1.2. Uci.....	3
2. MATERIAL	3
3. WEIGHT	3
3.1. Frame.....	3
3.2. Fork.....	3
4. GEOMETRY.....	4
5. CABLE ROUTING	4
5.1. Compatibility.....	4
5.2. Mechanical cable routing.....	4
5.2.1. Without inner cable liners.....	4
5.2.2. With inner cable liners.....	5
5.3. Electronic cable routing.....	6
5.3.1. Shimano di2.....	6
5.3.2. Campagnolo eps.....	6
6. PARTS	7
6.1. Fork.....	7
6.1.1. Material.....	7
6.1.2. Dimensions	7
6.1.3. Brakes.....	7
6.1.4. Part codes	7
6.2. Headset.....	7
6.3. Seat post.....	7
6.4. Bottom bracket	8
6.5. Brakes.....	8
6.6. Derailleur	8
6.6.1. Front.....	8
6.6.2. Rear.....	8
7. WHEELS AND TIRES.....	9
7.1. Fork.....	9
7.2. Frame.....	9
8. WARRANTY INFORMATION.....	9
8.1. Maximum rider weight	9

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. PART CODES

All the X-Night frames have a particular part code composed by the letters “FRAXNIRID...”, 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.

1.2. UCI

This frame is approved by the UCI certificate.

2. MATERIAL

Used frame materials:

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

3. WEIGHT

3.1. FRAME

size	weight (*)
41	840 grams
48	850 grams
50	850 grams
52	860 grams
54	870 grams
56	880 grams
58	900 grams

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

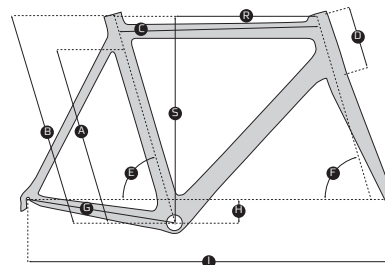
3.2. FORK

The X-Night SL fork weighs 480 Grams.

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

4. GEOMETRY

SIZE	A	B	C	D	E	F	G	H	I	S	R
50	500	540	530	105	74	72	425	60	999	516	381
52	520	560	535	121	73.5	72	425	62	999	533	376
54	540	580	545	140	73.5	72	425	64	1009	554	380
56	560	600	560	160	73.5	72	425	64	1009	573	389
58	580	620	575	179	73	72	425	64	1034	591	394



5. CABLE ROUTING

5.1. COMPATIBILITY

- Mechanical groupsets
- Electronical groupsets: Shimano Di2 & Campagnolo EPS
- SRAM red Etap

5.2. MECHANICAL CABLE ROUTING

Below you can find the parts needed for a mechanical groupset (double chainring).

part	part code	Location
Frame plug: cable stopper	FRPSTORID014	Head tube right
Frame plug: cable stopper	FRPSTORID014	head tube left
closed grommet 8 mm	FRPGROJAG002	seat tube
closed grommet 10 mm	FRPGROJAG007	Down tube
closed grommet 8 mm	FRPGROJAG002	Rear dropout
Ridley BB cable guide	cbgrcerid007	bottom bracket

Below you can find the parts needed for a mechanical groupset (single chainring).

part	part code	Location
Frame plug: cable stopper	FRPSTORID014	Head tube right
frame plug: closed	FRPSTORID016	head tube left
closed grommet 8 mm	FRPGROJAG002	seat tube
closed grommet 10 mm	FRPGROJAG007	Down tube
closed grommet 8 mm	FRPGROJAG002	Rear dropout
Ridley BB cable guide	cbgrcerid007	bottom bracket

5.3. ELECTRONIC CABLE ROUTING

Below you can find a drawing of the parts needed for shimano and campa electrical groupsets:

part	part code	Location
Frame plug: Open	FRPSTORID015	Head tube right
frame plug: closed	FRPSTORID016	head tube left
closed grommet 8 mm	FRPGROJAG003	seat tube
open plug 2.5 mm	FRPGROrid007	rear dropout
open plug 2.5 mm	FRPGROrid007	Head tube Right

5.3. ELECTRONIC CABLE ROUTING

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

part	part code	Location
frame plug: closed	FRPSTORID016	Head tube right
frame plug: closed	FRPSTORID016	head tube left
closed grommet	FRPGROJAG002	seat tube
closed grommet	FRPgrojag002	rear dropout

6. PARTS

6.1. 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: 47 mm
- OLD (OverLock nut Distance): 100 mm
- 12mm TA with a 1.5mm pitch

6.1.3. BRAKES

The 4ZA Oryx Disc fork is compatible for flatmount disc brakes with a rotor size of 160 mm.

6.1.4. 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. : IS44/28,6|IS52/40):

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

Recommended headset:

ridley part code	type	brand
HSECRSFSA008	9M/CUP/CC/42/ACB	FSA

6.3. SEAT POST

The X-Night is designed to use a 27,2 mm seat post.

6.4. BOTTOM BRACKET

The bottom bracket is designed for press fit PF30 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	PF30 cups	sram PF30 cranksets
BBRPF3SRA003	Sram	PF30 to BSA 68 adapter	sram BSA 68 cranksets shimano BSA 68 cranksets
BBRPF3CAM002	Campagnolo	Ultra Torque™ OS-Fit™ integrated cups PF30 68x46	Campagnolo Ultra Torque cranksets
BBRPF3CAM003	Campagnolo	Power Torque™ OS-Fit™ integrated cups PF30 68x46	Campagnolo Power Torque cranksets

6.5. BRAKES

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

Fork: – Type: flatmount
– Max. rotor size: 160 mm

Frame: – Type: flatmount
– Max. rotor size: 160 mm*

* The frame is 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 frame is designed to use a braze on down pull derailleur.

6.6.2. REAR

The hanger for the X-Night is HAACRSRID021

7. WHEELS AND TIRES

7.1. FRAME

The frame is developed for 700C race wheels with a build in width of 142 mm and a 12mm Tru axle with a 1.5mm pitch.

7.2. TIRES

We recommend a maximum tire width of 36 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.

#BeTOUGH