

X-TRAIL ALLOY 650B ***FRAME PASSPORT***

TYPE: 7E1

LAST UPDATE: 13/09/2017

#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 X-Trail A 650b is our aluminium Allroad platform. Following the Go Anywhere, Anytime concept, it opens a world of possibilities. It's not a road bike. It's not a cross bike. It's a sublime combination of road speed and cross ruggedness. Add in the tire clearance of a mountain bike and you start to approach what this bicycle is capable of. Ridley's strong heritage in Road and Cyclocross Racing are fused together to create an entirely new category of bicycle. X-Trail, Experience more!

1.2. PART CODES

All X-Trail A 650b frames have a particular part code composed by the letters "FRAXTARID...", added by 3 numbers. The three numbers depend 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:

- Triple butted 6061-T6 heat treated aluminium

3. WEIGHT

3.1. FRAME

SIZE	WEIGHT (*)
XXS	1480
XS	1520
S	1570
M	1620
L	1670
XL	1730

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

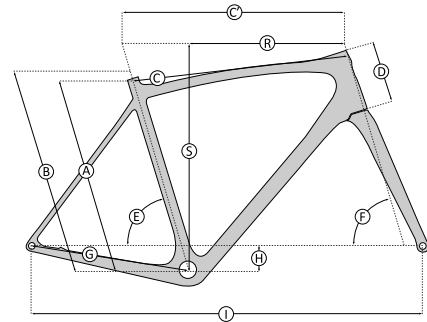
3.2. FORK

The weight of the X-Trail fork is around T.B.A. (*)

(*) Weight of unpainted 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	405	450	502	515	100	75,0	70,0	430	74	1016	741	528	374
XS	435	480	512	525	113	74,7	70,5	430	74	1019	763	542	377
S	465	510	527	540	133	74,0	70,5	430	72	1029	788	559	380
M	495	540	549	565	158	73,0	71,0	430	72	1034	806	584	386
L	525	570	568	585	188	72,5	71,0	430	70	1056	846	611	392
XL	555	600	583	600	213	72,5	71,5	430	70	1066	874	637	399



(*) J: Stand over height, measured with 25 mm tires installed.

5. CABLE ROUTING

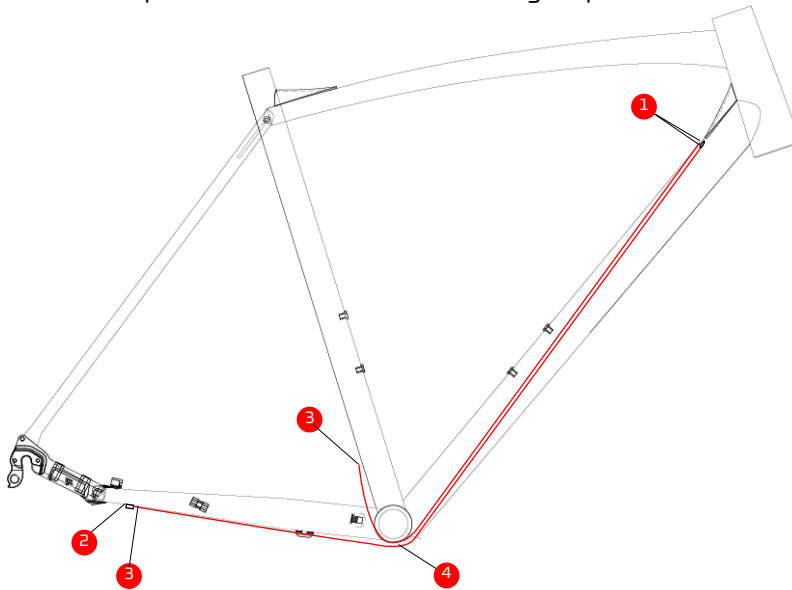
5.1. COMPATIBILITY

The X-Trail Alloy is compatible with:

- Mechanical groupsets

5.2. MECHANICAL CABLE ROUTING

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



NO.	PART	PART CODE	QUANTITY
1	JAGW - END CAP 4MM WITH LINER	CABSTIJAG037	2
2	JAGW - END CAP 4MM	CABSTIJAG035	1
3	RAIN & DIRT CABLE PROTECTOR	CABSTIJAG038	2
4	BB CABLE GUIDE	CBGR CERID002	1

6. PARTS

6.1. FORK

The X-Trail A comes with the Oryx Disc 12TA fork. It is a carbon fork with tapered aluminium steerer.

6.1.1. MATERIAL

Fork legs: 24 & 30 ton high Modulus Carbon
Steerer tube: 6061-T6 heat treated aluminium

6.1.2. DIMENSIONS

- Steerer tube length: 300 mm
- Headset: 1 1/8" upper ring – 1 1/2" lower ring
- Fork rake: 50 mm
- OLD (OverLock nut Distance): 100 mm
- Axle system: 12mm Thru-Axle
- Quick Release: QRET154ZA002 (M12x1.5 thread / 125mm axle length)

6.1.3. BRAKE MOUNT INFORMATION

- Disc brake mounting system: Shimano Flatmount, compatible with 140mm and 160mm rotors
- Disc brake compatibility: Flatmount or Postmount

The Oryx Disc 12TA is backwards compatible with postmount disc calipers by using following adapters:

- For 140mm rotor: BRPADATRP005
- For 160mm rotor: BRPADATRP002

6.1.4. PART CODES

All the Oryx Disc 12TA forks have a particular part code composed by the letters 'FORORY4ZA..', added by 3 numbers. The three numbers, depending on model and graphic 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
HSERACDEE002	NO.42/ACB-A-H6091	DEDA

6.3. SEAT POST

The X-Trail A 650b is compatible with 27,2mm seatposts.

6.3.1. SEAT POST CLAMP

The seat post clamp size is 31,8mm.

6.4. BOTTOM BRACKET

The frame is designed for BSA threaded cups and has a width of 68 mm.

6.5. BRAKES

The X-Trail A 650b frame is compatible with most standard disc brakes, available in the market.

Disc brake mounting system: Shimano Flatmount (20mm bolts spec), compatible with 140mm and 160mm rotors

Disc brake compatibility: Flatmount or Postmount

The X-Trail Carbon frame is backwards compatible with postmount disc calipers by using following adapters:

- For 140mm rotor: BRPADATRP003
- For 160mm rotor: BRPADATRP004

6.6. DERAILLEURS

6.6.1. FRONT

The frame uses a clamp-on front derailleur with 31.8mm clamp.

6.6.2. REAR

The hanger, used for the X-Trail A, is HANRCERID039.

6.7. FENDER & RACK MOUNTS

The Oryx Disc 12TA fork features fender mounts at the dropouts. This makes it possible to install Ridley proprietary fenders (Ridley part code: MDG46MSKS001). These fenders work best with 700C wheels with tires up to 40mm.

7. WHEELS AND TIRES

7.1. FORK

The fork is developed for 700C Or 650B wheels with a build in width of 100 mm and a 12mm Thru-Axle. The fork will be equipped with a 4ZA quick release (part code QRET154ZA001).

7.2. FRAME

The frame is compatible with 700c or 650b Disc wheels with 142x12 Thru-Axle system.
Quick Release: QRET124ZA001 (M12x1.5 thread / 167mm axle length)

7.3. TIRES

The frame and fork are developed for 700C Or 650B wheels. We recommend a maximum tire size of 42mm for 700c wheels and a maximum tire size of 50mm for 650wheels. 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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