

STRADA
Dedacciai

OWNER'S MANUAL



ENG

ran db

Thank you for choosing a DEDACCIAL product.

We in DEDACCIAL develop, manufacture, and constantly test our products in order to maintain the highest standards of quality.

We ask for your collaboration to preserve and correctly use DEDACCIAL components.

To achieve this, we invite you to read these instructions carefully and retain this manual for future use. If you sell your DEDACCIAL frame or components to someone else, please include this manual.

CONTENTS

ENG

1	INDEX _____	pag. 4
2	USE LIMITS _____	pag. 4
3	WHAT IS IMPORTANT FOR YOUR SAFETY? _____	pag. 5
4	THE RAN DB FRAME KIT _____	pag. 6
5	PARTS AND ASSEMBLING _____	pag. 9



RAN DB

The following manual shows what is important to know about your Dedacciai Strada frame kit you are going to purchase and/or to equip as bicycle

We highly invite you to carefully read it and to periodically check the website **www.dedacciaistrada.com** in order to be updated regarding further information, new advices, updating review and eventual technical recall due to defective products.

2 USE LIMITS

Frame set respecting rules ISO 4210 – EN 14781

Frame set for bicycles intended for use on roads with smooth surfaces

- Bags or panniers should not be mounted onto the frame
- No passengers should be carried except the rider
- Do not expose the frame to temperatures above 65 °C (150 F)

We highly suggest to equip your Dedacciai Strada frame kit to professional and qualified mechanic official Dedacciai.

Every year, or every 5.000 km, inspect and check-up the frame for the grease operation service, in that occasion it is important to check carefully the frame with particular regards to the connection between head tube and down tube, down tube to bottom bracket. Also inspect carefully the front fork with particular regards to the steering tube.

Before every ride, it is recommended that the entire bicycle is checked, with particular attention to the frame, in order to detect any possible cracks. Suspected cracks should be checked with your local dealer. The areas that require particular attention are the down tube-head tube joint and the seat tube-bottom bracket casing. Furthermore take care of the following listed points:

- Inspect that the fork rotates freely with the common headset tolerance. Check the stem to be correctly tightened to the steering tube.
- Check that the handlebar is tightened to the stem at the suggested Nm.
- Inspect the plate fixing bolts of the stem by checking the correct position and the integrity. Also check that the plate does not show any cracks or abrasions.
- Check the tightening bolts of the stem on the steering tube by checking that they are in the right position, the filets must not have no cracks or abrasions.
- Check the saddle stability on the seat post. If appears irregular movements, before tightening definitely, check further saddle and seat post in order to verify the components integrity.
- Ensure that the seat post is not able to rotate in the seat tube and it dont flex in the frame. If occurred, before tightening the seat clamp, disassemble the seat post and inspect it in order to verify its integrity.

AFTER A FALL OR AN ACCIDENT IT IS REQUIRED TO CHECK DEEPLY ALL THE BICYCLE AND FRAME!

We remind you that composite materials can suffer damage and can de-laminate in hidden areas after an impact or shock. They can break without warning. Both unusual noises and abnormal handling are signs of potential danger! These should not be underestimated. A qualified technician should check the bicycle!

Superlight race frame kit for road purpose on smooth roads.

The oversized tube shape is engineered with the use of extremely high modulus carbon. This results in a very light frame, without compromising stiffness. The dual purpose internal cable routing uses the same holes for mechanical and electronic shifting, resulting in a very clean design without excess holes.

Flex seat stays increase vertical compliance for additional comfort, without reducing lateral stiffness.

Each RAN DB frame carries a serial number, stamped underneath of the down tube, close to the bottom bracket. The serial number is used for traceability and warranty purposes. Do not remove or grind the number.

4.1 MATERIAL

Mitsubishi Carbon fiber layer with the following frame features:

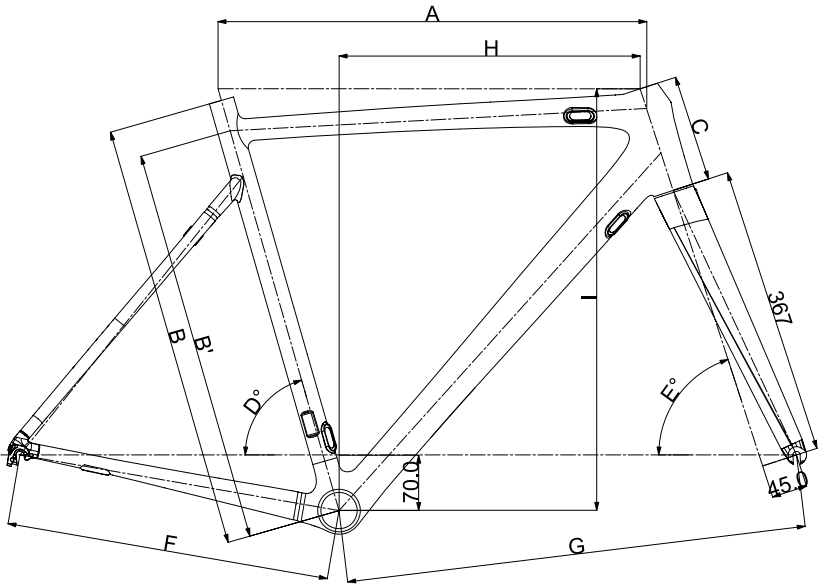
- MRC MR60T front monocoque
- MRC MRC40T rear triangle
- Stainless steel (rear drop out)
- Carbon drop-out

4.2 WEIGHT

- 940 grams for M size in painted conditions
- RAN DB fork of 395 grams in painted conditions

*Weight of painted frame, real weight may differ from the weight mentioned above by $\pm 7\%$

4.3 GEOMETRY



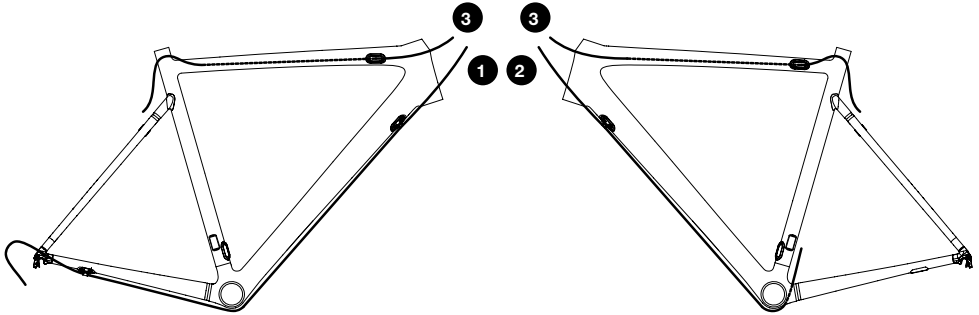
Refer. design	SIZE				
	XS	S	M	L	XL
A	505	520	535	555	575
B	485	505	540	555	585
B1	440	463	500	515	538
C	106	120	135	155	180
D	75°	74,5°	74°	73,5°	73°
E	71,5°	71,5°	72°	72°	73°
F	407	407	410	410	413
G	567	578	583	598	605
H	370	376	381	389	397
I	505	518	534	553	580

4.4 CABLE ROUTING AND COMPATIBILITY

The RAN DB is compatible for:

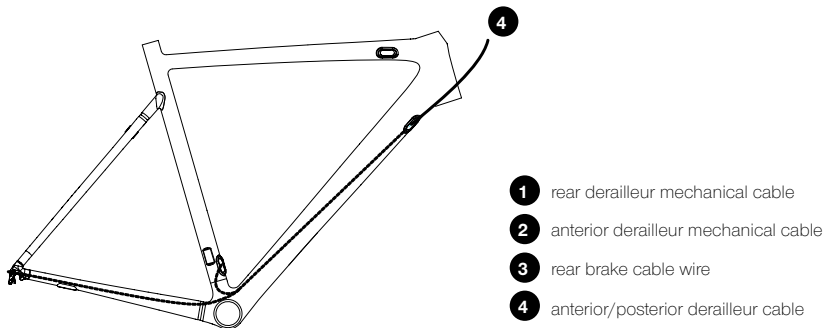
- Mechanical groupsets external equipment via alloy parts and regulators

MECHANICAL CABLE ROUTING Below the parts needed for a mechanical groupset



- Electronic groupsets: Shimano Di2 & Campagnolo EPS internal equipment
- Front derailleur clamp-on -type 32 mm
- The battery has to be mounted below the bottle cage on the down tube or underneath the down tube through available rivets. Possibility to install the battery inside the seat tube through available adaptor

ELECTRONIC DEVICES CABLE ROUTING Below the parts needed for electronic groupset



4.5 DISC BRAKE

Ran DB set is suitable for post mount disc Shimano (Shimano BR-RS785 Hydraulic) or SRAM RAM's HydroR.

The fork and the rear stay accommodate 160 mm rotor.

5.1 FORK

RAN DB monocoque carbon tapered steering tube with the following features:

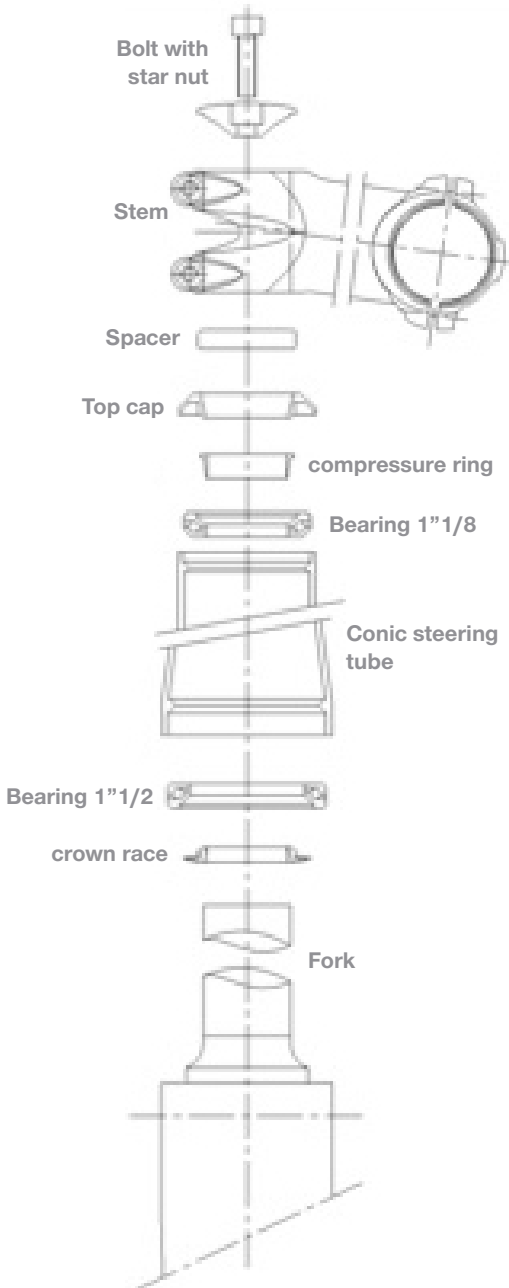
- carbon blades
- carbon drop out with metal disc support post mount suitable 160 mm rotor disc
- Finishing: External lamination UD
- Steerer: 1"1/8 top 1"1/4 bottom,
- Steerer tube length 300mm
- Rake 45 mm
- Crown diameter is 52 mm
- Recommended compression plug: Dedacciai 23,5 mm part code n°EXP
- Weight 395 grams

5.2 HEADSET

45° Semi oversized angular contact bearing part code n° SSDIFF15114

- Lower bearing: 1 1/8" part code n°MSS118R
- Upper bearing: 1 1/4" part code n°MSS114

5.3 STEERING ASSEMBLING OPERATIONS:



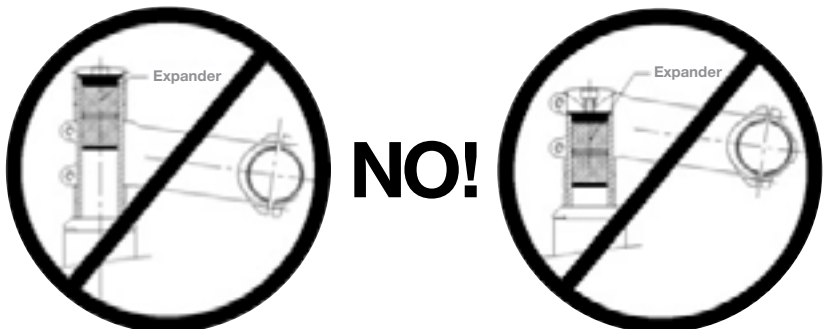
- Install the headset crown race on the steerer tube without damaging its top surface. Verify that the crown race has been fitted correctly.
- Insert the fork in the head set group as shown in the picture.
- If necessary, use spacers on top of the headset cap to raise the stem and handlebars to the rider's preferred position (do not exceed 30 mm of spacers).
- Fasten without tightening (less than 0,5 Nm torque) the handle bar stem to the steerer tube. Mark the steerer to designate the portion to cut.
- Disassemble the fork and with the aid of a jig (not supplied) cut the steerer. The cut should be perpendicular to the stem ($90^\circ \pm 0.2$), and must be 3 mm (+0.2 / -0.0) below the mark in order to ensure that the top cap presses on the handlebars stem. After the cut, remove internal and external burrs with fine sandpaper or with a file.

WARNING: the carbon dust and resin generated during cutting and sanding is harmful. Do not inhale it!

WARNING: wear gloves, glasses and mask during cutting operation, as the fibers released can be harmful and cause allergies.

- f) Slip the fork into the headset and insert the supplied expander. Tighten the expander with a 5 N/m torque max. Caution: The torque should be the minimum to ensure the expander does not slip during the tightening of the top cap compression bolt. **An unnecessarily high torque creates a detrimental radial stress on the steerer tube, which in turn could crack and/or shear without warning. Incorrect assembly of the fork, stem and handlebars could lead to component failure, serious injuries or death.**
- g) Insert the stem on the steerer tube, making sure that the height of the steerer clamp of the stem is less than the length of the expander supplied (43 mm). Fasten without fully tightening the stem's steerer clamp bolts. Place the top cap on the stem and tighten its screw until there is no axial play in the headset. Ensure the fork and handlebars turn properly, without friction or hindrance. Tighten the stem steerer clamp bolts following the manufacturer's instructions. **CAUTION: The torque to fasten the stem should be the minimum needed to ensure the stem doesn't rotate on the steer. An unnecessarily high torque creates a detrimental radial stress on the steerer tube, which in turn could crack and/or shear it without warning.**

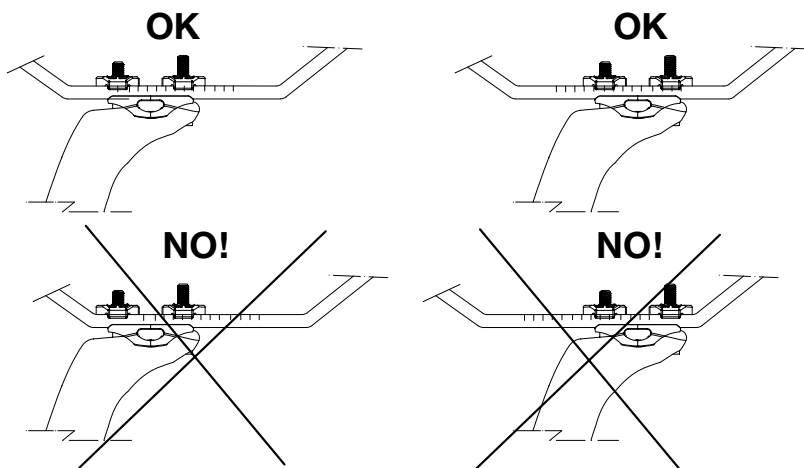
WARNING: Do not use a stem the height of which exceeds the height of the supplied expander. Do not use excessive number of spacers up the stem. Use many spacers on the above part in order to match the stem clamp with the expander position. (See Picture)



5.4 SEAT POST EQUIPMENT

The RAN DB frame kit allows seat tube of 27,2 mm diameter. The seat tube has to be insert in the frame for at least 80 mm, or in any case the minimum size shown by the constructor.

Do not exceed the available off-set of the saddle. Saddle and seat post work properly in the middle range. An exaggerated forward position or toward position can generate a supplementary traction on the bolts. In case it needs a different off-set consider to amend the saddle with an improved or modify the existing in the best ergonomic position.



5.5 BOTTOM BRACKET

The bottom bracket is designed for press fit 30 cups with a diameter of 46 mm and width of 68 mm

- Dedacciai adaptor for BSA part code n°APF30BSA
- Dedacciai adaptor for BB30 part code n°APF30BB30

5.6 HANGER

The hanger, used for the RAN DB is the FRCDINTCCHF13 alloy





DEDACCIAI reserves the right to partially or totally change products, prices and warranty without notice.



Dedacciai Srl - Via Leonardo da Vinci, 19
26010 Campagnola Cremasca (CR) - Italy
Ph. +39 0373 74 499
info@dedacciaistrada.com
www.dedacciaistrada.com

