FILANTE SLR

TECHNICAL INTRODUCTION

Rev. 02

COCKPIT

The Filante SLR ID2 features a new aerodynamic cockpit which is entirely different from the previous generation's setup.

Crucially, the top cover - the component that joins the handlebar to the frame - is now recessed into the frame and therefore sits flush with the top tube.

The profile of the top cover and the spacers is now concave, which enhances the interaction between the various components by increasing the contact surface area between the parts.

The system utilises the existing MR137 bearings and the Wilier patented Superfino bearing, in addition to the Compression Ring.

The key change is the top cover, which is designed to integrate the handlebar with the frame as seamlessly as possible.

The top cover, along with the spacers, now has a concave shape that aids the precise fitting of the various components, resulting in a very linear and clean system.

The spacers are still supplied in 5mm and 10mm sizes for the left and right portions, but unlike the previous generation, they are not symmetrical due to the new concave profile.

In a similar effort to keep the handlebar as close to the frame as possible, the top spacer has been removed.

A new component, the top cap, has been introduced. This fits into the upper section of the handlebar to create a clean and uniform surface (for aerodynamic purposes) over the handlebar locking screws.

The basic configuration includes:

- Bearing kit

- Top cover

- 5 mm spacers (2 pcs.)

- 10 mm spacers (2 pcs.)

- Top cap plate

- Top cap

ASSEMBLY INSTRUCTIONS:

- Frame

- Superslim bearing

- Compression ring

- Top cover

- Spacers

- Handlebar

- Top cap plate (tighten until the bearings are fully compressed; then tighten the handlebar side screws)

- Cover (fitted with a retention tab and two guides that use the top cap plate to fit correctly; force the retention tab to secure the top cover to the handlebar).

NEW F-BAR ID2 HANDLEBAR

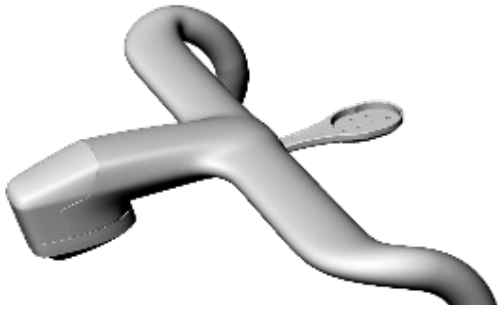
The new F-Bar ID2 handlebar also has a redesigned profile in the hoods area. Indeed, the top section of the handlebar now incorporates a slight rise that allows the rider's forearm to rest comfortably when adopting an aerodynamic position, specifically by leaning the forearm on the upper portion of the handlebar.

The flare between the upper and lower sections of the handlebar is maintained at 3 cm (1.5 cm per side). This allows for a more compact position in the high grip and a more open position in the low grip, thereby improving bike control.

A new computer mount stick has also been introduced.

While resembling the V-Bar's previous model, its new figure-eight shape allows for the fitment of large cyclocomputers, such as the Wahoo Ace or Garmin 1050.

This design allows the computer mount to be positioned in two different positions.



AERO KIT

CFD analysis has shown that one of the areas of the bike that most significantly impacts aerodynamics is the bottle and cage area.

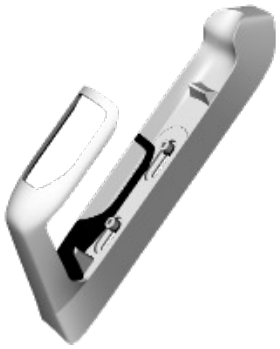
For this reason, this new project involved meticulous work on this section. Specifically, a new system of aerodynamic bottles and bottle cages was developed in collaboration with Elite.

Thanks to specific mounting bases for this bike model, the bottles are perfectly integrated with the frame, resulting in an extremely aerodynamic system.

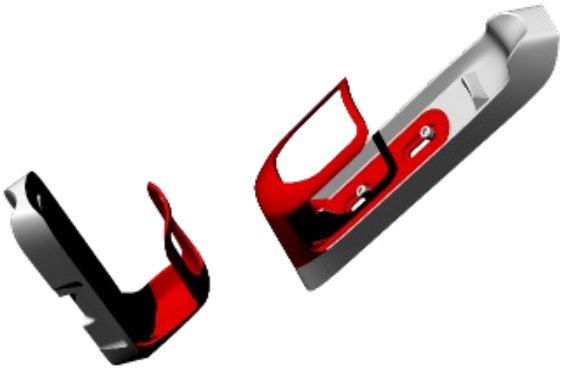
The kit comprises a base, manufactured from carbon fibre, which acts as the interface between the frame and the cage.

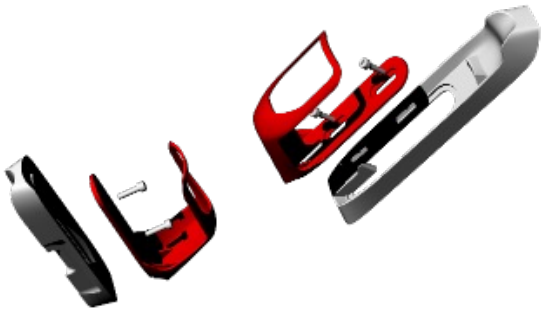
The aerodynamic bottle cage is then affixed to this base, and it is designed to house the new 550ml Elite-supplied bottles.

The base not only serves an aerodynamic purpose but it also helps support the bottle, which is primarily held in place by the carbon cage.

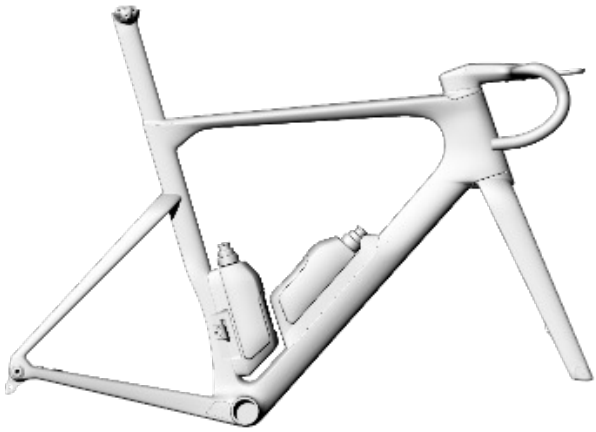


The base is secured to the frame via compression achieved by tightening the screws used for the bottle holders.





The base rests on a transparent adhesive film, which acts as a protective layer for the frame, preventing potential damage from vibration caused by the base.



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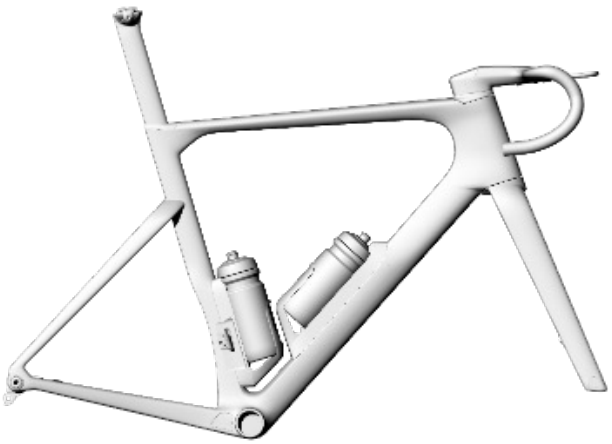

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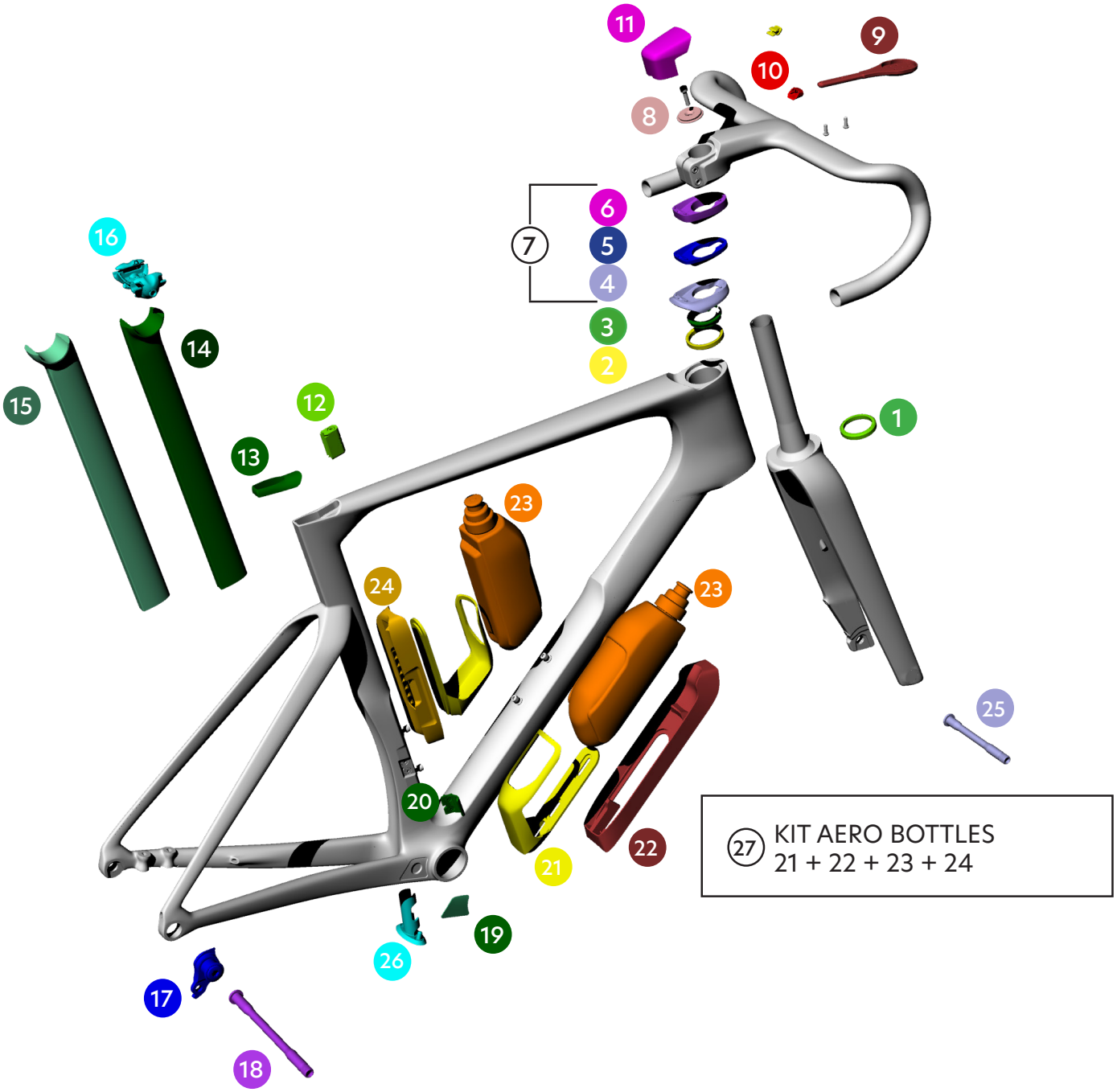
TECHNICAL SPECIFICATIONS	
HEAD TUBE	1”1/4-1”1/4
UPPER BEARING	WTP-BEARING-SS 39 X 46.9
LOWER BEARING	FSA MR137
FRONT FORK O.L.D.	100 mm
REAR STAYS O.L.D.	142 mm
BB SHELL	SHIMANO PRESS FIT (86.5 wide x 41 diameter)
SEATPOST	WILIER SEATPOST 0/-15
SEATPOST COLLAR	INTEGRATED WILIER EXPANDER
REAR DERAILLEUR TYPE	UDH
FRONT DERAILLEUR TYPE	DIRECT MOUNT

N°	CODE	Description	QTY
1	MR137	FSA BEARING 1-1/4"	1
2	WTP-BEARING-SSLIM	BEARING SUPERSLIM 39 X 46.9 X 7 SSLIM	1
3	WTP-2SCOMPRING	COMPOSITE COMPRESSION RING	1
4	WTP-ID2-TCOV	TOP COVER ID2-FBAR ID2	1
5	WTP-ID2-SPACER5	SPACER ID2 5MM (DX+SX)	2
6	WTP-ID2-SPACER10	SPACER ID2 10MM (DX+SX)	2
7	W0KITS2-FBARID2	SPACERS KIT ID2 F-BAR ID2	1
8	WTP-ID2-TPLATE	TOP CAP PLATE F-BAR ID2	1
9	XACCBH1EB000W	PORTACOMPUTER VERTICALE/FILANTE	1
10	WTP-HBV1	CICLOCOMPUTER GROMMET VERTICALE	1
	WTP-HBV2	RUBBER W/O CYCLOCOMPUTER VERTICALE	1
11	WTP-ID2-TCAP	TOP CAP – FBARID2	1
12	WTP-SPEXPFID2	FILANTE ID2 SEATPOST EXPANDER	1
13	WTP-SPSHIELD-FID2	FILANTE ID2 SEATPOST RUBBER SEAL	1
14	AFT-HWT29-SP-0	SEATPOST FILANTE ID2 -0 OFFSET	1
15	AFT-HWT29-SP	SEATPOST FILANTE ID2 -15 OFFSET	1
16	55055466007	RITCHEY CLAMP 7X7 WCS ALU HPB 1BOLT	1
	55055466009	RITCHEY CLAMP 7X9.6 CARB. SEAT. OEM	1
	55055466004	RITCHEY CLAMP 8X8.5 CARB.SEAT. S.ITA OEM	1
17	UDH-SRAM	DROPOUT UDH SRAM	1
18	QRPERR0L6800A	MICHE PERNO POST EX LIGHT RD	1
19	WTP-PMCOVFID2	COVER POWERMETER FILANTE ID2	1
20	WTP-FDFID2	FILANTE ID2 FD MOUNT	1
21	0250403	GABBIA KIT AERO WILIER	2
22	0250401	BASETTA TUBO OBLIQUO KIT AERO WILIER	1
23	0250404	BORRACCIA KIT AERO WILIER	1
24	0250402	BASETTA TUBO SELLA KIT AERO WILIER	2
25	QRPERF0L1900A	MICHE PERNO ANT EX LIGHT RD	1
26	WTP-BMFID2	FILANTE ID2 BATTERY MOUNT	1
27	WTP-KITAB-FID2W	KIT AERO BOTTLE FILANTE ID2	1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27 KIT AERO BOTTLES
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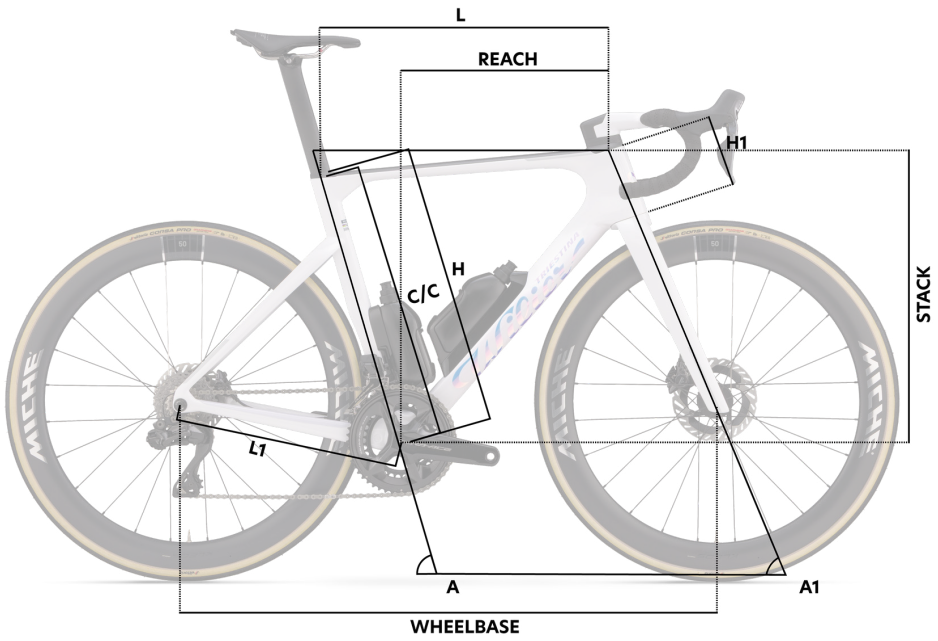
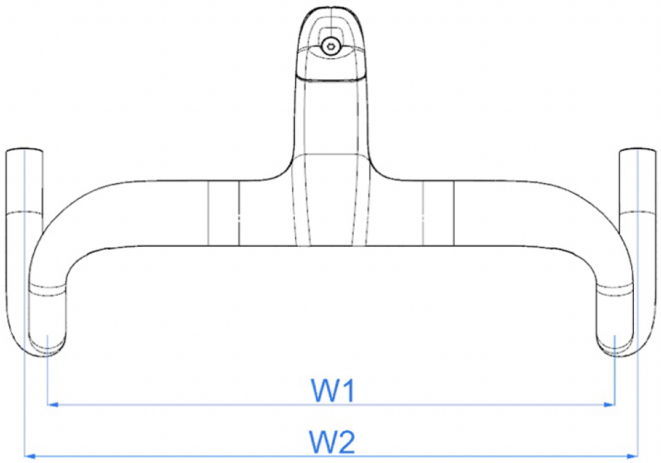
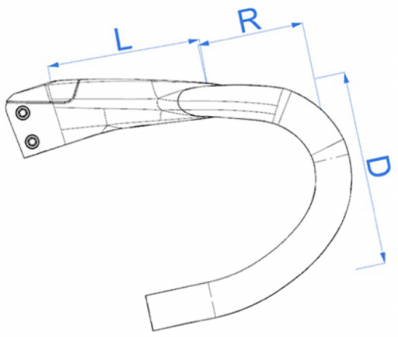
GEOMETRIES & SIZES



	XS	S	M	L	XL	XXL
C/C (cm)	44.5	47.5	50.5	52.5	54.5	56.5
L (cm)	50.8	52.6	54.2	55.9	57.6	59
H (cm)	45	48	51	53	55	57
A (°)	75.2	74.5	74	73.5	73	73
L1 (cm)	41.1	41.1	41.1	41.1	41.3	41.3
H1 (cm)	9.9	11.5	13.2	14.9	16.6	18.3
A1 (°)	70.6	71.5	72	72.5	73	73.5
Reach (mm)	373.5	380	386.5	393	400	408
Stack (mm)	505	523	541	559	577	595
Wheelbase (mm)	980.5	985.1	992.9	1000.4	1010.1	1018.5

F-BAR ID2 GEOMETRIES





L [mm]	W1 / W2 [mm]	Reach [mm]	Drop [mm]
75	350 / 380	68	124
90	370 / 400	68	124
100	370 / 400	68	124
110	370 / 400	68	124
110	390 / 420	68	124
120	390 / 420	68	124

Reach 68 mm, Drop 124 mm for all sizes

How much does the frame weigh?	The frame weighs 860 grammes for a size M with a Ready To Paint (RTP) finish; The fork, also in an RTP finish, weighs 380 grammes; The painted handlebar, in the 110 – 37/40 size, weighs 340 grammes; The painted seat post, on the other hand, weighs only 100 grammes.
How much does the complete bike weigh?	A complete bike in size M, built up with a Shimano Dura Ace groupset, Miche Kleos RD 50 wheels, Aerokit and 28 mm tyres, weighs approximately 7.3 kilogrammes.
What is the maximum clearance for the Filante SLR ID2?	The Filante SLR ID2 frame has a maximum effective tyre clearance of 34 mm (maintaining a 5 mm gap between the tyre and the frame).
What type of stem/handlebar can I install on the Filante SLR ID2?	The standard bicycle is fitted with the F-Bar ID2. However, the use of adapters supplied by Wilier Triestina also allows for the fitting of all other carbon and aluminium handlebars supplied by the Brand.
Do the integrated cables pass through the handlebar?	The cables are integrated inside the frame, running through the Superfino bearing and inside the integrated handlebar.
Is the Superslim™ bearing available as a spare part?	Yes. The upper Superslim™ bearing is not normally available on the market but is a design owned by Wilier Triestina and will only be available from authorised dealers.
Does the Filante SLR ID2 use a dedicated seatpost?	Yes, the Filante SLR ID2 uses an aero seatpost with a proprietary Wilier Triestina design. The seatpost supplied as standard with the bike has a 0 mm offset, but the seatpost with a 15 mm offset can be purchased as a spare part.
How should I clean the Filante SLR ID2?	Yes, the Filante SLR ID2 uses an aero seatpost with a proprietary Wilier Triestina design. The seatpost supplied as standard with the bike has a 0 mm offset, but the seatpost with a 15 mm offset can be purchased as a spare part.
How should I clean the Filante SLR ID2?	We recommend wiping it with a soft cloth and mild soap, then drying it completely before use. Do not use compressed air during washing.
What frame protectors are standard?	The seatstay is protected by a dedicated, reinforced-thickness rubber chainstay protector.

COLOR VARIANTS

F32 Firelight Red - Glossy - Premium Paint

F30 Pure White - Glossy & Matt

F29 Eclipse Black - Glossy & Matt

F28 Lunar Grey - Glossy & Matt

F33 Solar Bronze - Glossy & Matt

F31 Aurora Blue - Glossy - Premium Paint