



VERTICALE^{SLR}

TECHNICAL INTRODUCTION
REV.01

VERTICALE^{SLR}

Our lightest bike ever. Lightness must be controlled. Making a lightweight frame is relatively simple, but making a lightweight one with top-notch performance and riding qualities requires a strong legacy. The Verticale SLR is the best example of what we have been, and of what we do best: a racing bike that has improved weight over the Wilier O SLR - the previous climbing model made by Wilier - by almost 10% (9.73% on the kit comprising frame, fork, handlebars, and seatpost). 1623 g for the Verticale SLR, 1798 g for the O SLR. Lighter weight, greater responsiveness, improved performance levels. The Verticale SLR is today the best calling card for Wilier, the new generation of the best Italian bicycle manufacturers.



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OUTSTANDING CARBON

When we address the frame of a climbing bike, the first aspect we need to consider is the raw material used. Using the highest quality composite materials is the starting point to give rise to a project that focuses fully on top-level performance.

It's not just the material that makes a difference, but it is certainly the first major piece of the puzzle on which to base the remainder of the design. We know that when we talk about composite material, we are not just talking about a certain combination of resin and reinforcement, but about a variety of materials, made up of different types of carbon fibres.

For the Verticale SLR, we specifically used 3 types of fibres produced by Toray, a Japanese multinational and leader in the carbon fibre market, especially T800, T1100, and M46JB.

The first two are distinguished by extremely high tensile strength, whereas the latter is high modulus, which gives the frame superior torsional stiffness.

The selected carbon fibres are impregnated with special epoxy resins and prepared for use in pre-impregnated rolls referred to as pre-preg, which are subsequently cut into more than 400 outlines with various types of shape and reinforcement orientations.

Using novel manufacturing technologies allows the insertion of pre-shaped materials into the mould, this process allows for the frame to be accurately cured. This technical term refers to the transformation process which leads to the optimal hardening of the resin to achieve the best possible performance.

Specifically, the major news that distinguish the innovative technological process behind the Verticale SLR is the new "ACTIVE MOULDING" system, characterised by the use of special foamed polymer counter moulds which adapt to the materials during the curing process, whereby the materials consolidate and harden.



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NEW SEATPOST CLAMP SYSTEM

We fine-tuned the fastening device which no longer fastens from the top but diagonally from the bottom. This tightening system has allowed us to lighten the weight at that point of the frame with respect to the 0 SLR.



NEW DERAILLEUR COUPLING

Another major and fundamental new feature is the front derailleur coupling, which for the Verticale SLR is no longer riveted to the frame and has become repositionable. This is how we succeeded in cutting down the weight of the coupling and having two possible configurations allowing the mounting in one case of a 50-34 or 53-39 compact crankset and in the other an oversized crankset with up to 55-56 teeth as required by our World Tour teams



SHAPED DROPOUT

As far as the rear triangle is concerned, we have a new rear dropout designed with a special outlined shape which prevents it from rotating thereby guaranteeing greater reliability. The interchangeable part is cantilever, which allows considerable space between the chain and the stays and avoids possible points of contact between the chain itself and the stay. Everything is compatible with wireless and semi-wireless groups.

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SEATPOST WITH LIGHT OR INTEGRATED NUMBER HOLDER

We redesigned the seatpost with two possible setbacks: 0° and -15°, both are equipped with two special holes for the installation of a rear light or to affix race numbers.

NEW RACING GEOMETRIES

The first great difference compared to the Wilier 0 SLR was the change in reach. We focused on what the cyclist is most interested in. In other words their hand position in relation to the bottom bracket box. The result is a change in the frame geometries and in the handlebar geometries. The bike stack has remained unchanged. Its reach on the other hand has been slightly shortened for sizes XS and S, while for sizes XL and XXL it has been extended compared to our classic geometries.

As for the handlebar, we focused on positions C0 and C1, the most performing for the athlete. The main changes affect drop, reach, and handlebar tilt angles. In particular, those of the handlebar stem in relation to the fork sleeve, which range from 7.5 to 10.5 degrees. We paid particular attention to the distance between the bottom bracket and the high hand rest on the handlebar, which we at Wilier have christened as point C0 or ACCU-FIT.

For the Verticale SLR the biggest news is that we have succeeded in achieving an even filling range in space, even for the new position in C1. This research and development process was conducted in close partnership with the Groupama - FDJ Équipe Cycliste team. This allowed us to deliver a product which, in terms of fitting, is suitable for all needs and any type of rider.

MAXIMUM CONTROL

Climbing quickly and descending in complete control. The riding quality of high-speed descents on the SLR is indisputable, and professional riders guarantee this for us



VERTICALE^{SLR}**NEW INTEGRATED V BAR**

The handlebar is in carbon monocoque and features a brand-new design weighing approximately 310 grammes.

The first thing that strikes you is the special shape with differentiated handlebar width. If you look at it from the front, the high grip on the controls is narrower at the bottom. This particular shape was devised to provide concrete solutions to the needs of professionals, who season after season scout for optimum aerodynamic solutions which comply with the rules and standards set by the UCI.

There is a trend to narrow it while nevertheless having a wider low grip to guarantee better handling, which is a key requirement when sprinting. The delta between the top and the bottom is 30 mm.

**INTEGRATED CYCLOCOMPUTER MOUNT**

The pursuit of a reduced overall handlebar weight has led us to develop a purpose-designed cyclocomputer mount stick, made entirely of aluminium which, unlike its predecessors, fits entirely in the handlebar.

It is secured thanks to two through holes which have enabled us to optimise weight further compared to previous models.

At the rear, in the fork-sleeve handlebar stem area, you can see that the tightening system is different. The screws tighten on two aluminium inserts, a solution that makes replacement easier in the tightening part, while also improving the distribution of force on the composite part.

The rear of the stem is finished with a rubber insert to prevent dirt and sweat from penetrating the handlebar, thereby preserving its reliability in the long run.



VERTICALE^{SLR}**BRAKE SHEATH ROUTING**

We also worked on the high part of the grip, particularly as regards the routing of the brake sheaths.

The contact surface has been increased to improve the passage of the sheath inside the handlebar.

V-Bar, like the other monocoque handlebars in the Wilier range, is also compatible with our other premium bikes. It is available in 6 sizes, 2 with a width of 37/40mm, with 90 and 100mm stems, 4 with a width of 39/42mm, with 110, 120, 130 and 150mm stems.

**ASYMMETRICAL FORK**

The challenge was to improve the weight and performance of an apparently simple component. We retained the characteristic asymmetrical shape.

The sections on the rod housing the brake calipers have been oversized, whereas the right seat stay sections are lighter and thinner.

A new feature is the left fork stay which is twisted. This shape is an improvement for two reasons: improved orientation of the carbon fibres during rolling (to respond better to stresses) and the improved resistance to forces exerted by the calipers during braking. The Kamm tail gives the fork greater stiffness while improving the overall feeling during braking.

We paid particular attention to the design of the fork crown. This transition zone between the stays and the fork sleeve is extremely delicate as this is where very high levels of stress converge when the bicycle is in use. We have a cone-shaped crown which in itself is no novelty. For the Verticale SLR our work focused on reaching a constructive compromise to achieve a crown that is higher than the standard. This lends greater mechanical continuity between the fork sleeve and the fork crown.



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COLOR	CORE BLACK
FINISH	MATT & GLOSSY
COLOR CODE	Q1



COLOR	VELVET RED
FINISH	GLOSSY
COLOR CODE	Q2



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WILIERPEDIA 2025

ROAD COLLECTION

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COLOR	HULK GREEN
FINISH	MATT & GLOSSY
COLOR CODE	Q3

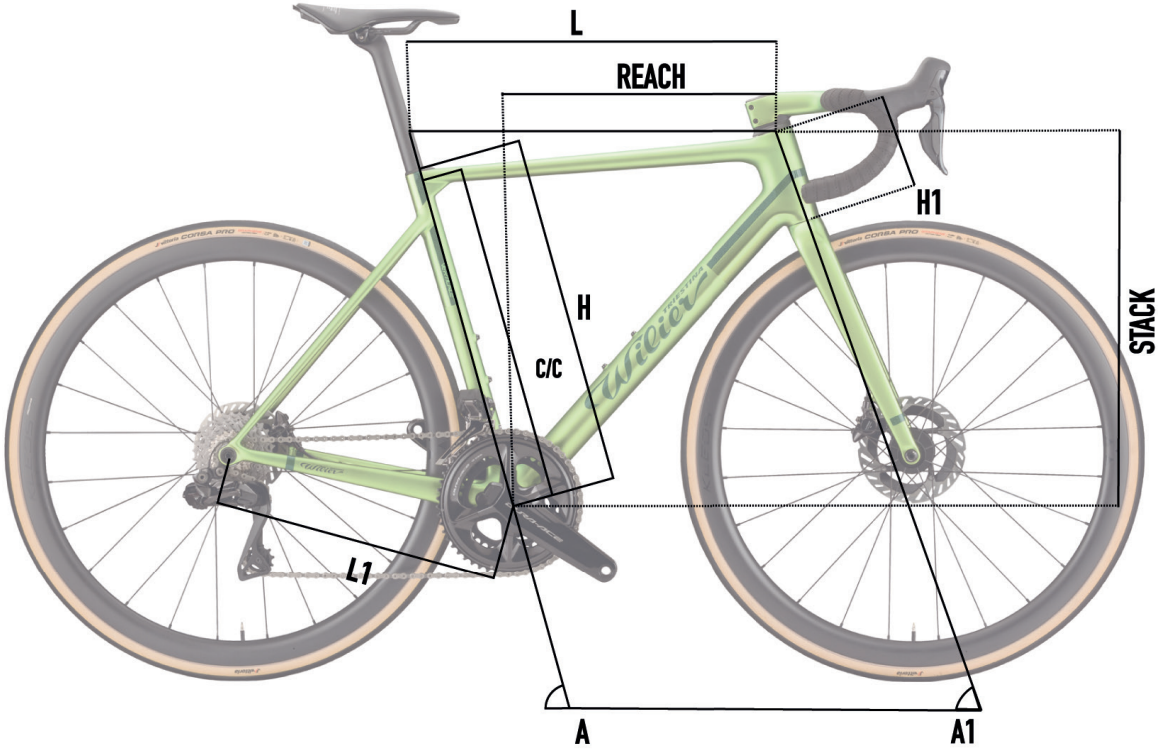


COLOR	GROUPAMA
FINISH	GLOSSY
COLOR CODE	Q4



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GEOMETRIES AND SIZES

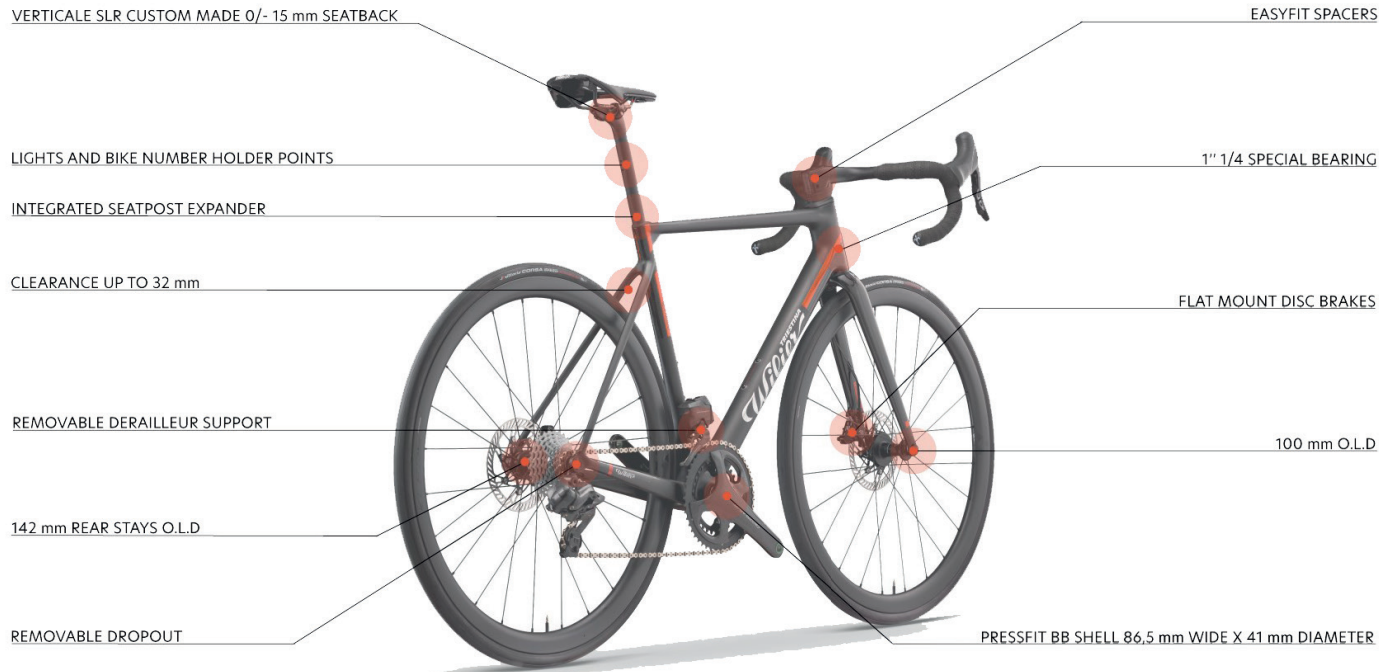


	REACH	STACK	H	C/C	L	A	H1	L1	A1	WHEELBASE
SIZE	[mm]	[mm]	[cm]	[cm]	[cm]	[°]	[cm]	[cm]	[°]	[mm]
XS	373	505	45	43.2	50.9	72.5	10.2	40.5	70.6	974
S	380	523	48	46.2	52.7	74.5	12.1	40.7	71.5	981
M	386.5	541	50	48.2	54.3	74	13.8	40.8	72	990
L	393	559	52	50.2	55.9	73.5	15.5	41	72.5	999
XL	400	577	54	52.2	57.6	73	17.2	41.2	73	1009
XXL	408	595	56	54.2	58.9	73	18.9	41.2	3.52	1017



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KEYPOINTS



FRAME AND TECHNICAL SPECS DETAILS	
HEADTUBE	1"1/4 SPECIAL BEARING
UPPER BEARING	WTP - BEARING-SSLIM + WTP-2SCOMPRING
LOWER BEARING	MR137
FRONT FORK O.L.D.	100 mm
REAR STAYS O.L.D.	142mm
BB SHELL	PRESSFIT BBSHELL 86.5mm WIDE x 41mm DIAMETER BB861ESP00000 MICHE CERAMIC SPEED BB861EMI00000 MICHE INTEGRAL KSMBB9241B SHIMANO PRESSFIT
SEAT POST	CUSTOM WILIER TRIESTINA - VERTICALE DESIGN
FRONT DERAILLEUR	WTP-FDV : FD INTEGRATED MOUNT
SEAT POST COLLAR	WTP-SPSHIELD-V: RUBBER WTP-SPEXPV : SEATPOST EXPANDER



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FAQ

What is the maximum number of crankset teeth which can be installed on the Verticale SLR?

The new Verticale SLR features a derailleur support that allows a chainring of up to 56 teeth to be installed. This allows cycling fans to customise the gear ratios further to suit the particular requirements and riding preferences. However, it is advisable to consult a specialist mechanic to make sure installation is carried out correctly and safely.

How can I secure the cyclocomputer to the Verticale SLR?

To mount the cyclocomputer onto the Verticale SLR, you need to use the dedicated cyclocomputer mount stick supplied by Miche. This mount was designed to be fully integrated into the bike's handlebar design and is available to order using code: WVCICLOC. It's important to bear in mind that the mount is compatible with both Garmin and Wahoo devices, thereby offering flexibility and versatility in choosing which cyclocomputer to use with your bike.

How can I configure the handlebar if I don't want to install the cyclocomputer mount?

You can install a rubber hole cover to cover the hole in the handlebar (code WTP-HBV1).

What is the maximum allowable size tyre which can be installed on the Verticale SLR?

Tyres which can be fitted onto the Verticale SLR must have a maximum effective width of 32 mm. This specification ensures that the tyres are compatible with the bike and allow safe and efficient riding, offering the possibility of using 28mm road tyres as well as more comfortable 32mm tyres.

How many seatpost sizes are available for the Verticale SLR?

The Verticale SLR offers two seatpost options to choose from: one with a 15° setback and the other with a 0° angle (seatback). This variety allows riders to further customise their riding experience according to their preferences and specific positioning needs.

Is the Verticale SLR compatible with the other Wilier Triestina handlebars aside from the V BAR?

Yes, the Verticale SLR is compatible with all the other handlebars produced by Wilier Triestina. However, if you want to install a handlebar other than the V BAR supplied as standard, you must purchase the entire pack of spacers to fit between the chosen handlebar and the head tube on your bicycle. This ensures a secure and correct fit of the selected handlebar, allowing riders to customise their Verticale SLR to their riding and style preferences.



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What are the main characteristics of V BAR?

The V BAR is the result of a modern design process and is characterised by the optimisation of geometries, aimed at improving the points of contact with the cyclist. This configuration offers several benefits, including improved stability and control while riding, a more comfortable hand position and improved aerodynamics. In addition, the V BAR blends seamlessly with the overall design of the Verticale SLR, ensuring a sleek, contemporary aesthetic. The V BAR has a differentiated width (3 cm overall) between the hooks area and the ends of the handlebar, allowing for a tighter hand position when climbing and greater stability downhill. The tilt angle of the handlebar ends is in any case 0°.

Are the cables integrated inside the handlebar of the Verticale SLR?

Yes, the cables are fully integrated inside the bicycle frame, running through the superthin bearing and inside the integrated handlebar. This design offers unrivalled aesthetic cleanliness and contributes to enhanced aerodynamics, as well as greater cable protection and a smoother, frictionless ride.

Is the superthin bearing available as a spare part?

Yes, the upper superthin bearing is not normally available on the market but is a design owned by Wilier Triestina and will only be available from Wilier Triestina Official Dealers.

What transmissions can be installed on the Verticale SLR?

The Verticale SLR is aimed primarily at cycling professionals. Consequently, the bike can only be equipped with electronic shifting and disc brakes. This design aims to deliver high level performance and precision, ensuring a superior riding experience that is tailored to the needs of the most demanding professional and amateur riders.

How do you attach the seatpost expander?

The seatpost expander is integrated into the bicycle frame, specifically in the seat lug. The fixing screw is accessible and can be clamped via the seat tube. This design ensures a solid and secure seatpost fixing, helping to maintain the bike's stability and structural integrity while riding.



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What types of dropouts are available for the Verticale SLR?

There are two types of dropouts available for the Verticale SLR. One is the direct mount dropout, whereas the other is the conventional dropout. The direct mount dropout is only compatible with Shimano groupsets, while the conventional dropout is compatible with SRAM, Shimano and Campagnolo groupsets. This variety allows cyclists to choose the most suitable dropouts for their needs and preferences in the transmission groupset.

How do I clean my Verticale SLR?

The Verticale SLR can be cleaned using the same cleaning methods as other racing bikes. We recommend the use of soft cloths, neutral detergent and make sure the bike is completely dry before using it. This will help keep the bike clean and in optimal condition for riding.

How many spacers can be placed between the handlebar and the head tube?

In addition to the top spacer and top cover, additional spacers can be positioned up to a maximum height of 30 mm. However, it is important to note that the installation of multiple spacers can pose risks while riding the bicycle. We recommend that you exercise caution and consult an experienced mechanic to ensure a safe and correct bike set-up.

What are the holes all along the back of the seatpost for?

The holes on the seatpost serve two main purposes:

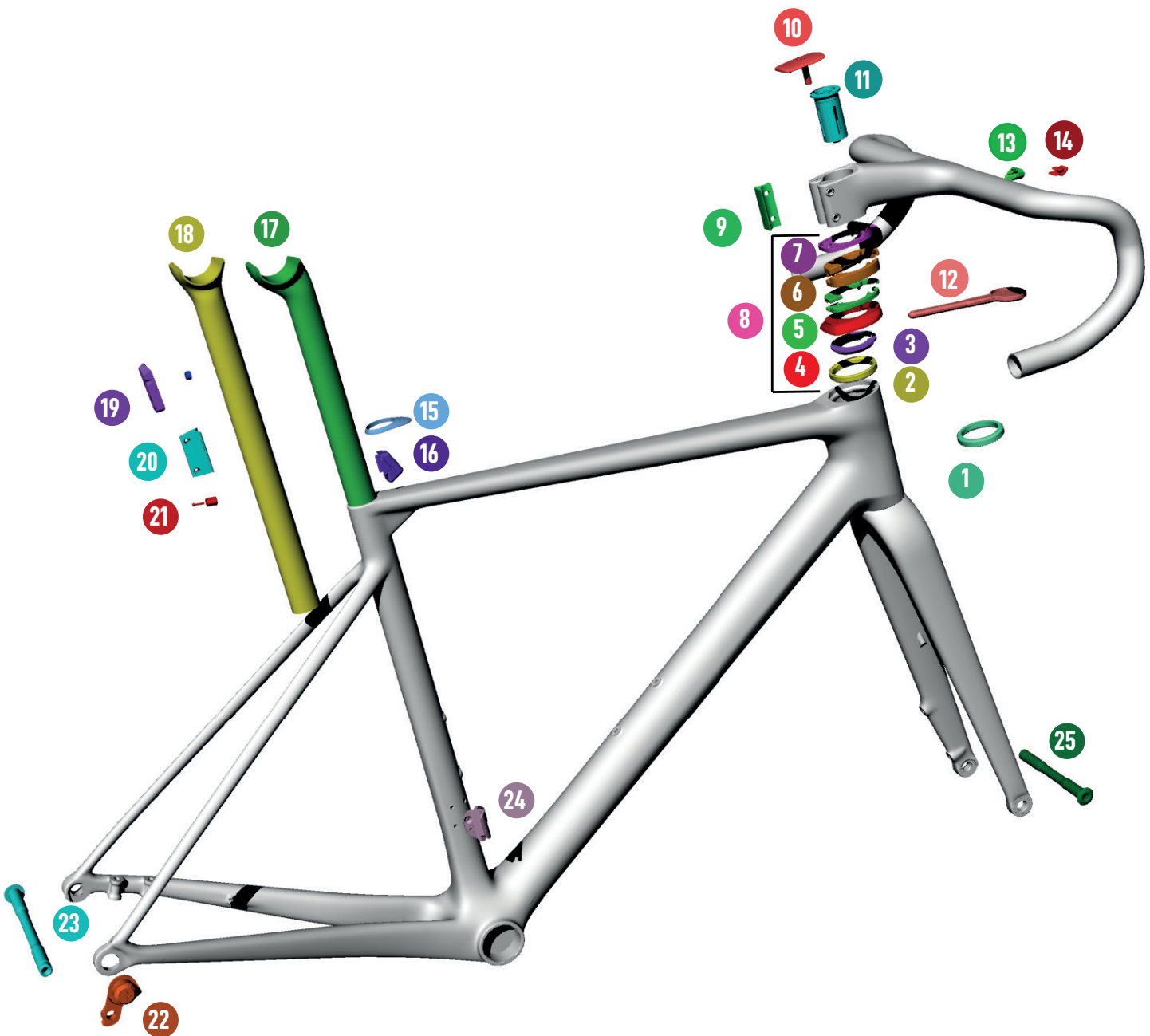
- They can be used to mount a rear light on the bicycle.
- They can be used to affix the number holder for use during races.

This configuration allows cyclists to easily customise their bike for their specific lighting and signalling needs during everyday use or in competitions.

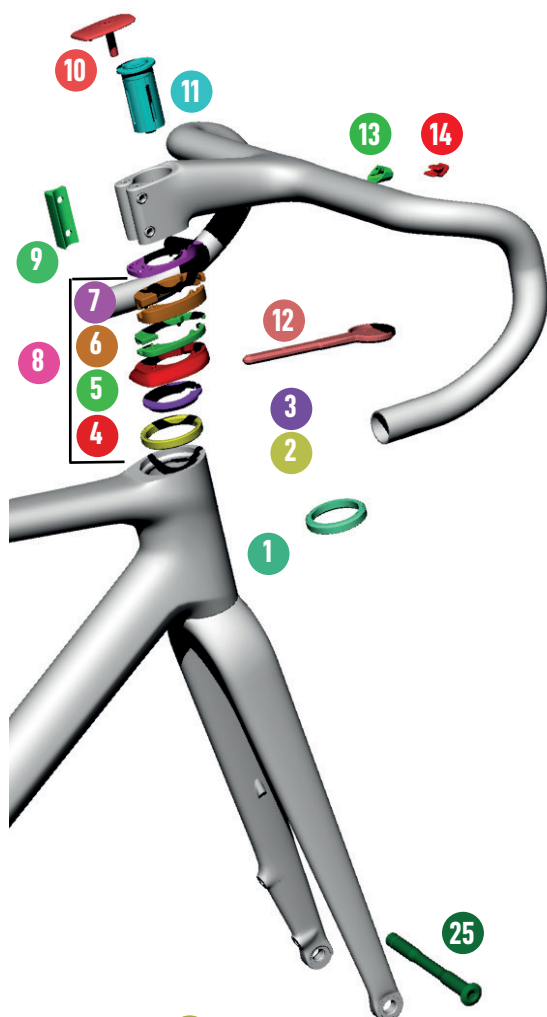


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SPARE PARTS



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SPARE PARTS		
1	MR137	FSA BEARING 1-1/4"
2	WTP-BEARING-SSLIM	BEARING SUPERSLIM 39 X 46.9 X 7
3	WTP-2SCOMPRING	COMPOSITE COMPRESSION RING
4	W0TC	TOP COVER
5	WTP-ZSPACER5	SPACER 5MM (DX+SX)
6	WTP-ZSPACER10	SPACER 10MM (DX+SX)
7	W0TSHBV	TOP SPACER V-BAR
8	WVKITS	SPACERS KIT VERTICALE
9	WTP-HBVLOW WTP-HBVHIGH WTP-HBVSHUP	LOW SPACER RUBBER FOR V-BAR HIGH SPACER RUBBER FOR V-BAR SUPER HIGH SPACER RUBBER FOR V-BAR
10	WTP-HBVCOV	COVER HANDLEBAR FOR VERTICALE
11	HGEXP01	EXPANDER FORK 1" 1/8 ALLOY
12	XACCBHOEB000W	PORTACOMPUTER VERTICALE
13	WTP-HBV1	CICLOCOMPUTER GROMMET
14	WTP-HBV2	RUBBER W/O CYCLOCOMPUTER
25	QRPERF0B19000	MICHE PERNO ANT LIGHT RD 12X119.5



SPARE PARTS		
15	WTP-SPSHIELD-V	SEATPOST RUBBER SEAL VERTICALE
16	WTP-SPEXPV	VERTICALE SEATPOST EXPANDER
17	HWT20-SPV1	SEATPOST VERTICALE -15MM
18	HWT20-SPV2	SEATPOST VERTICALE 0MM
19	WTP-SPVLIGHT	LIGHT HOLDER PLATE VERTICALE
20	WTP-NUMHOL	WTP VERTICALE NUMBER HOLDER
21	WTP-SPVBLTSCRW	VERTICALE SEATPOST BOLT SCREW
22	WVDROP	DROPOUT FOR VERTICALE SLR
23	QRPERROB66000	MICHE PERNO POST LIGHT RD 12X166.5
24	WTP-FDV	VERTICALE FD MOUNT



