INSTRUCTION MANUAL

ERGOWAVE® SADDLES

Notes on the Instruction Manual

In the following, please pay special attention to the notes that are highlighted. The possible consequences described are not described separately for each note!

Note

Indicates a possibly harmful situation. If not avoided, the saddle or other parts may be damaged.

⚠ Caution

Indicates a possibly imminent danger. If not avoided, minor or slight injury may result.

⚠ Warning

Indicates a potentially hazardous situation. If not avoided, death or serious injury may result.

⚠ Danger

Indicates an imminent danger. If not avoided, death or serious injury will result.

Table of Content

Product Designation 4

Foreword 5

Illustration 6

Intended Use 7

Mounting Compatibility and Operating Safety 11

Assembly 15

Saddle Height 16

Saddle Angle 16

Post-seat/Horizontal Positioning of the Saddle 17

Tightening Torques 17

eBike Ready 18

The SQlab Active Saddle Technology 19

Active Movement Setting 19

Technical Data 21

Inspection 27

Maintenance 27

Liability for Material Defects and Warranty 27

Wear and Storage 28

Manufacturer and Distribution 29

Foreign Distributors, Dealers and Addresses 29

User Information

SQlab ERGOWAVE® Saddle

Product Designation

SQlab 6OX ERGOWAVE® active	SQlab 611 ERGOWAVE® (Carbon)	SQlab 612 ERGOWAVE® (Carbon)	SQlab 613 ERGOWAVE® R (Carbon)
SQlab 6OX ERGOWAVE® active ltd. Timmy C.	SQlab 611 ERGOWAVE® active (Carbon)	SQlab 612 ERGOWAVE® active (Carbon)	SQlab 614 ERGOWAVE® active 2.1
SQlab 6OX Trial Fabio Wibmer	SQlab 611 ERGOWAVE® CroMo	SQlab 612 ERGOWAVE® active ltd. RUH	
SQlab 6OX ERGOWAVE® active 2.1	SQlab 611 ERGOWAVE® active ltd. RUH	SQlab 612 ERGOWAVE® active 2.1	
SQlab 6OX Infinergy® ERGOWAVE® active 2.1	SQlab 611 ERGOWAVE® Liteville (Carbon)	SQlab 612 ERGOWAVE® active 2.1 ltd. Wardy Special by Troy Lee Designs	
SQlab 6 1/2 ERGOWAVE®	SQlab 611 ERGOWAVE® ltd. S'Qantara	SQlab 612 ERGOWAVE® R (Carbon)	
	SQlab 611 ERGOWAVE® active ltd. S'Qantara		
	SQlab 611 ERGOWAVE® active ltd. Flow Yellow		
	SQlab 611 ERGOWAVE® active ltd. Endless Summer		
	SQlab 611 ERGOWAVE® Fabio Wibmer		
	SQlab 611 ERGOWAVE® active 2.1		
	SQlab 611 ERGOWAVE® active 2.1 ltd. Wings for Life		
	SQlab 611 ERGOWAVE® active 2.1 ltd. Fair on Trails		
	SQlab 611 ERGOWAVE® active 2.1 ltd. Enjoy		
	SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon		

Foreword

Congratulations on your new SQlab ERGOWAVE® saddle. In the further course of the user manual, all saddles listed under "product designation" will be summarized as "ERGOWAVE® saddles". The new ERGOWAVE® saddle shape has been developed for the sporty seating position on the MTB, gravel bike, road bike and triathlon/time trial bike. With absolute best values in all tests during the elaborate development phase. The raised rear with a slight rounded step and the subsequent wave shape, which transitions to a second small step, give the pelvis a lot of support to the rear and distribute the pressure optimally to the deep structures of the body. The saddle nose, which is still lower, in combination with the recess in the middle, creates more space and clearance for the perineal area.

We have developed these saddles with the highest requirements, especially in terms of ergonomic properties, but also in terms of appearance and, last but not least, the necessary durability for the corresponding area of use.

The information contained in this user information on the field of application, safety, assembly compatibility and use are intended for both less knowledgeable, but also for long-time cycling experts. Especially the chapters "Intended use" and "Mounting" contain product-specific instructions that may differ from those of similar products. This user information does not replace that of your bicycle and that of your seat post, but merely supplements them. The entire user information must be read carefully and observed before assembly and use.

Keep it carefully for later information or for maintenance work or spare parts orders and pass it on in the event of use by a third party or a sale.

Note

This user information does not replace the trained bicycle mechanic, his experience and training. If you are in doubt before or during assembly, you lack the tools or craftsmanship, do not hesitate and ask your SQlab dealer for help.

Illustration

SQlab 6OX ERGOWAVE® active

SQlab 6OX ERGOWAVE® active ltd. Timmy C.

SQlab 6OX Trial Fabio Wibmer

SQlab 6OX ERGOWAVE® active 2.1

SQlab 6OX Infinergy® ERGOWAVE® active 2.1

SQlab 6 1/2 ERGOWAVE®

SQlab 611 ERGOWAVE® active (Carbon)

SQlab 611 ERGOWAVE® (Carbon)

SQlab 611 ERGOWAVE® active ltd. RUH

SQlab 611 ERGOWAVE® CroMo

SQlab 611 ERGOWAVE® ltd. S'Qantara

SQlab 611 ERGOWAVE® active ltd. S'Qantara

SQlab 611 ERGOWAVE® Liteville (Carbon)

SQlab 611 ERGOWAVE® active ltd. Flow Yellow

SQlab 611 ERGOWAVE® active ltd. Endless Summer

SQlab 611 ERGOWAVE® Fabio Wibmer

SQlab 611 ERGOWAVE® active 2.1

SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon

SQlab 611 ERGOWAVE® active 2.1
ltd. Wings for Life

SQlab 611 ERGOWAVE® active 2.1
ltd. Fair on Trails

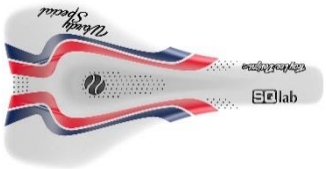
SQlab 611 ERGOWAVE® active 2.1
ltd. Enjoy

SQlab 612 ERGOWAVE® (Carbon)

SQlab 612 ERGOWAVE® active (Carbon)

SQlab 612 ERGOWAVE® active ltd. RUH

SQlab 612 ERGOWAVE® active 2.1



SQlab 612 ERGOWAVE® active 2.1
ltd. Wardy Special by Troy Lee Designs

SQlab 612 ERGOWAVE® R (Carbon)

SQlab 613 ERGOWAVE® R (Carbon)

SQlab 614 ERGOWAVE® active 2.1

Intended Use

The various models of the SQlab ERGOWAVE® series have been developed depending on the model for the different areas of application E-Performance & Gravity, MTB Tech & Trail, Gravel, Road & MTB Race and Triathlon and have been tested accordingly in numerous tests. Overloading and damage to the saddle is influenced by the nature of the surface being ridden on, riding ability, riding style, rider weight or total system weight and other special events such as riding errors, falls and accidents. When describing the intended use, we follow the international categorizations ASTM F2043- 13/ DIN EN 17406, which describe the different areas of use as precisely as possible.

Model Designation	Maximum rider weight	Application category according to ASTM F2043-13	Application category according to DIN EN 17406	eBike Ready certification
SQlab 6OX ERGOWAVE® active	110 kg	Category 5	Category 5	Yes
SQlab 6OX ERGOWAVE® active 2.1	110 kg	Category 5	Category 5	Yes
SQlab 6OX ERGOWAVE® active ltd. Timmy C.	110 kg	Category 5	Category 5	Yes
SQlab 6OX Infinergy® ERGOWAVE® active 2.1	110 kg	Category 5	Category 5	Yes
SQlab 6OX Trial Fabio Wibmer	90 kg	Category 5	Category 5	No
SQlab 6 1/2 ERGOWAVE®	80 kg	Category 3	Category 3	Yes
SQlab 611 ERGOWAVE®	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® active	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® active 2.1	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® Carbon	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® active Carbon	90 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® CroMo	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® active ltd. RUH	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® Liteville	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® Liteville Carbon	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® ltd. S'Qantara	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® active ltd. S'Qantara	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® active ltd. Flow Yellow	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® active ltd. Endless Summer	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® Fabio Wibmer	90 kg	Category 4	Category 4	No
SQlab 611 ERGOWAVE® active 2.1 ltd. Wings for Life	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® active 2.1 ltd. Fair on Trails	100 kg	Category 4	Category 4	Yes
SQlab 611 ERGOWAVE® active 2.1 ltd. Enjoy	100 kg	Category 4	Category 4	Yes
SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon	90 kg	Category 4	Category 4	Yes
SQlab 612 ERGOWAVE®	90 kg	Category 4	Category 4/6	No
SQlab 612 ERGOWAVE® active	100 kg	Category 4	Category 4/6	Yes
SQlab 612 ERGOWAVE® active 2.1	100 kg	Category 4	Category 4/6	Yes

Model Designation	Maximum rider weight	Application category according to ASTM F2043-13	Application category according to DIN EN 17406	eBike Ready certification
SQlab 612 ERGOWAVE® Carbon	90 kg	Category 4	Category 4/6	No
SQlab 612 ERGOWAVE® active Carbon	90 kg	Category 4	Category 4/6	Yes
SQlab 612 ERGOWAVE® active ltd. RUH	100 kg	Category 4	Category 4/6	Yes
SQlab 612 ERGOWAVE® active 2.1 ltd. Wardy Special by Troy Lee Designs	100 kg	Category 4	Category 4/6	Yes
SQlab 612 ERGOWAVE® R	90 kg	Category 4	Category 4/6	No
SQlab 612 ERGOWAVE® R Carbon	90 kg	Category 4	Category 4/6	No
SQlab 613 ERGOWAVE® R	90 kg	Category 1	Category 1/6	No
SQlab 613 ERGOWAVE® R Carbon	90 kg	Category 1	Category 1/6	No
SQlab 614 ERGOWAVE® active 2.1	100 kg	Category 4	Category 4	Yes

SQlab 613 saddles are to be used exclusively on bicycles under the conditions of category 1 according to ASTM F2043-13/ DIN EN 17406 at a maximum system weight (rider + bicycle + hydration system etc.) of 120 kg.

Category 1 according to DIN EN 17406
Refers to bicycles and EPACs used on normal paved surfaces on which the tires are intended to maintain ground contact at average speed, with occasional drops.

Average speed in km/h	15 - 25
Maximum drop/jump height in cm	‹ 15
Intended use	Commuting and leisure riding
Bike type	City & Urban Bikes

Category 1 according to ASTM F2043-13
Bicycles/attachments in this category are used exclusively on paved paths and roads, with the wheels in constant contact with the ground.

SQlab ERGOWAVE® saddles without active system and SQlab ERGOWAVE® saddles with carbon rails are to be used exclusively on bicycles under the conditions of category 4 according to ASTM F2043-13/ DIN EN 17406 or a lower category at a maximum system weight (rider + bicycle + luggage) of 120 kg.

Category 4 according to DIN EN 17406
Refers to bicycles and EPACs to which conditions 1, 2 and 3 apply and which are used for descents on unpaved roads at speeds of less than 40 km/h. Jumps shall be less than 120 cm.

Average speed in km/h	irrelevant
Maximum drop/jump height in cm	‹ 120
Intended use	Sport & competition riding (high technical demand).
Bike type	Mountainbikes & Trailbikes
Recommended riding skills	Technical skills, practice & good bike control

Category 4 according to ASTM F2043-13
Bicycles/attachments in this category can also be used for descents in rough terrain up to a speed of max. 40 km/h in addition to the conditions of use specified in categories 1, 2 and 3. Jumps and drops can occur here up to a height of max. 122 cm.

SQlab ERGOWAVE® active saddles are to be used exclusively on bicycles under the conditions of category 5 according to ASTM F2043-13/ DIN EN 17406 or a lower category at a maximum system weight (rider + bicycle + luggage) of 120 kg.

Note

Keep in mind that category 5 is a dangerous extreme sport where unexpectedly high and unforeseen loads can occur even with very good riding skills and knowledge of the route. In extreme cases, this will lead to overload and component failure of the bike and its components, especially the handlebars. The mentioned range of use is very risky. Expect unavoidable falls, injuries and paralysis, even death.

Category 5 according to DIN EN 17406
Refers to bicycles and EPACs to which conditions 1, 2, 3 and 4 apply and which are used for extreme jumps or descents on unpaved roads at speeds exceeding 40 km/h or for a combination thereof.

Average speed in km/h	irrelevant
Maximum drop/jump height in cm	› 120
Intended use	Extreme sports
Bike type	Downhill, dirtjump & freeride bikes
Recommended riding skills	Extreme technical skills, practice & bike control

Category 5 according to ASTM F2043-13
Bicycles/attachments in this category can also be used for extreme jumps and descents in rough terrain at speeds above 40 km/h in addition to the conditions of use specified in categories 1, 2, 3 and 4.

On our **website www.sq-lab.com** you will find a listing of all areas of use according to ASTM F2043 in the service area under downloads.

Category 6 according to DIN EN 17406
Refers to bicycles and EPACs to which condition 1 applies and which are used in competitions or for other occasions at high speeds of more than 50 km/h, for example descents and sprints.

Average speed in km/h	30 - 55
Maximum drop/jump height in cm	‹ 15
Intended use	Sport and competition riding with high effort
Type of bike	Road bikes, time trial bikes and triathlon bikes.
Recommended riding skills	Technical skills and practice required

⚠ Warning

Exceeding the individual load limit of the components

Risk of falling due to breakage of the components

- Adhere to the permissible system and rider weight.
- Use your saddle only in the intended use category or in a lower use category (according to ASTM F2043-13/DIN EN 17406).
- Make an extraordinary inspection after situations with particularly or unexpectedly large force impact, such as after a fall, riding error or an accident.
- In case of doubt, the possibly damaged component should be replaced prophylactically. In such a case, better play it safe and ask your SQlab dealer for advice.

Note

For the protection of third parties, a component that is not immediately and obviously recognizable as defective should be clearly marked as unusable.

Mounting Compatibility and Operating Safety

The saddles of the SQlab ERGOWAVE® series have commonly used round rails with a diameter of 7 mm made of a metallic alloy. These can be mounted with few restrictions on most standard seat posts. The saddles of the SQlab ERGOWAVE® series with the suffix "Carbon" have high-oval struts made of carbon with a width of 7 mm and a height of 9.6 mm or 9 mm. Separate provisions apply here which are listed below.

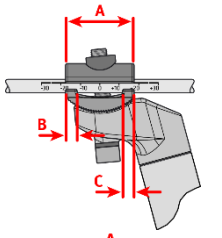
The model SQlab 6OX Trial Fabio Wibmer has no seat stays, it is designed for the use of a Tripod seat post and can only be used with such. The 6OX Trial Fabio Wibmer is therefore NOT compatible with standard seat posts.

The operating principle, the clamping forces and the quality of workmanship especially of the contact surfaces and edges of the seat post can affect the durability of the saddle or the saddle rail and possibly damage it.

Therefore, never mount your SQlab ERGOWAVE® saddle on unsuitable seat posts, but only on seat posts that meet the criteria below:

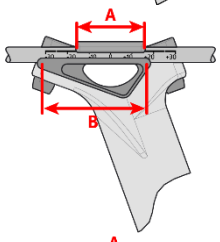
Note

Always also observe the notes and warnings provided in the installation and operating instructions that come with your seat post.



✓ OK

The clamping of the struts must have a length "A" (or support distance) of at least 32 mm. The minimum length "B" and "C" of each clamping surface must be at least 7 mm.



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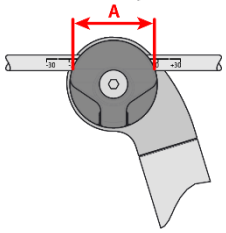
The length "A" of the upper clamping jaw must be at least 32 mm and positioned within the possibly longer lower clamping jaw "B".



✓ OK

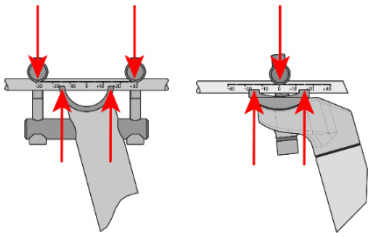
The clamping length "A" must also be at least 32 mm for seat posts with a mechanism that clamps transversely to the direction of travel.

⚠ Warning

Clamping of the saddle frame with opposing clamping jaws or clamping surfaces

Risk of breakage of the saddle rail due to bending stress.

- Clamp the clamping jaws or clamping surfaces so that they run in the same direction as the saddle rail.



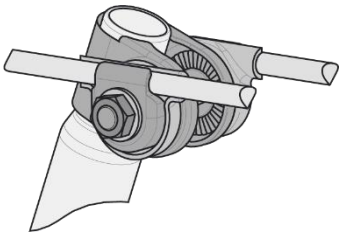
✕ NOT OK

⚠ Warning

Mounting of the SQlab ERGOWAVE® saddle by means of saddle clamps

Risk of breakage due to unreliable clamping of the saddle.

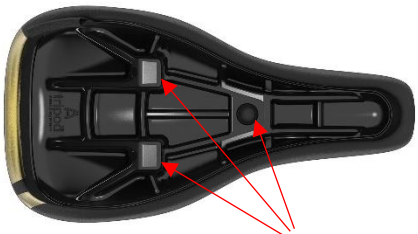
- Use conventional saddle clamps.



✕ NOT OK

Note

The 6OX Trial has no seat stays therefore mounting in conventional seat posts is NOT possible.



Mount for tripod seat post

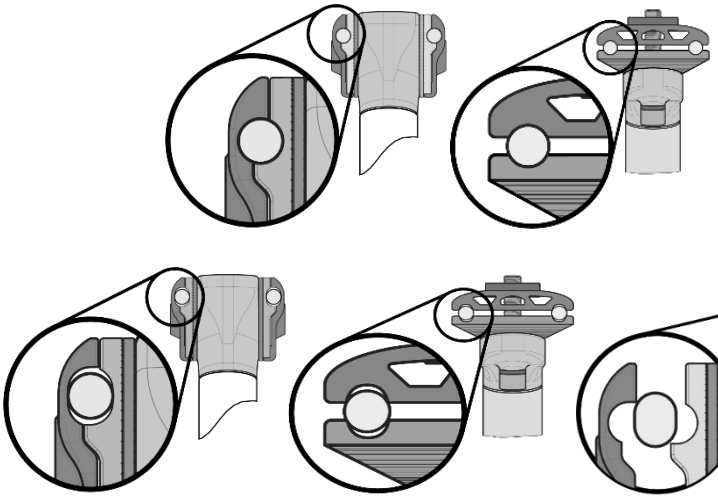
The rails of your SQlab ERGOWAVE® saddle with carbon rails have a high-oval diameter of 7 mm x 9.6 mm or 9 mm. Only use seat posts that are designed for high-oval rails with this diameter.

⚠ Warning

Saddle clamp does not fit the shape of the saddle rails

Risk of accident due to sudden and unmediated breakage of the saddle rail during use.

- Only mount your SQlab ERGOWAVE® saddle in a seat post designed for mounting strut diameters or strut cross sections of 7 mm.



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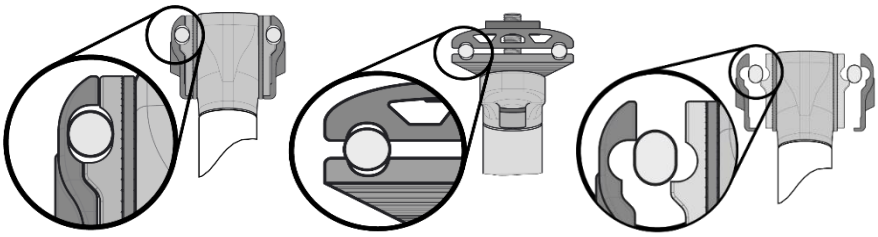


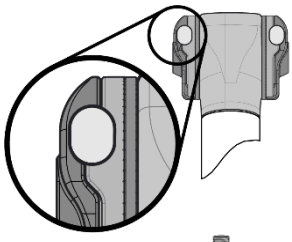
✗ NOT OK

⚠ Warning

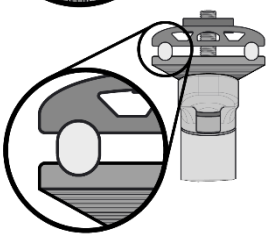
Mounting of the high-oval carbon rails in a seat post with lateral clamping

Risk of accident due to sudden and unmediated breakage of the saddle rail during use.

- Only mount your SQlab ERGOWAVE® saddle in a saddle clamp designed for mounting rail diameters or rail cross-sections of 7 mm.



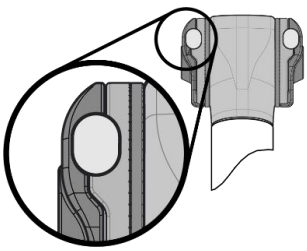
✗ NOT OK



✓ OK

Note

Only rails with the designation "Swiss Carbon" are approved for lateral clamping with the dimension 7 x 9 mm.



✓ OK ONLY „SWISS CARBON“

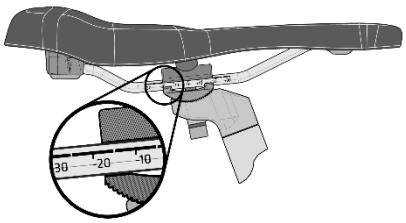
The impairment of product safety and damage resulting in breakage are foreseeable. In such a case, the saddle rail could suddenly and abruptly break during use and lead to an accident.

⚠ Warning

Damage to the saddle rail due to clamping with burrs

Risk of accident due to sudden and unmediated breakage of the saddle rail during use.

- Only mount your SQlab ERGOWAVE® saddle in seat posts whose clamping jaws are cleanly deburred.



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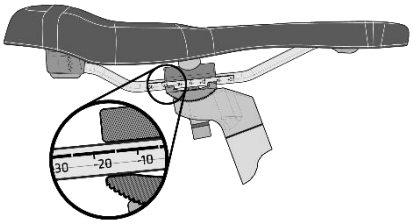


✗ NOT OK

For the correct installation of the Tripod seat post on the 6OX Trial it is essential to note that this must first be hooked into the two grooves at the rear of the saddle. Only then the seat post can be screwed with the associated screw in the thread of the saddle shell.

Integrated Bottle Connection 613

The SQlab 613 R tether provides a way to mount one or two standard bottle cages behind the saddle, as is common in time trial or middle and long distance triathlon.

Assembly

For the assembly of the SQlab 613 R connection you need a 4 mm Allen wrench and a torque wrench.
To properly mount the bottle tether to the 613 R, follow these steps:

1. Slide the flat fork (1), which can be found at the top center of the bottle tether, into the groove provided for it on your 613 R (2).
2. Now screw the two supplied screws (M5 x 25) into the two threads located behind the connection of the rails to the saddle shell (3). Make sure not to exceed a tightening torque of 3 Nm! 3.
3. Now mount a bottle cage in the center. Alternatively, you can also mount two bottle cages at the respective mounting points facing outwards (4).

The bottle holder and the screws for mounting the bottle holder are not included in the scope of delivery!

⚠ Warning

Incorrect mounting of the bottle connection

Bottle connection breaks off.

- Slide the flat fork (1), which can be found at the top center of the bottle connection, into the groove provided for this fork.

⚠ Caution

Strong blows or continuous use on cobblestones

The bottle connection can slip out of the guide.

- Drive on level road surfaces if possible.

Assembly

⚠ Warning

Incorrectly mounted components

Improperly mounted components can cause a crash.

- You must read and understand the instructions and notes before you start assembly.
- If you have any questions about mounting these components, contact your SQlab dealer or have the saddle mounted by an experienced bicycle mechanic.

Note

For the equipment of an eMTB, eBikes and pedelecs, country-specific standards, rules and regulations must be observed.

- In Germany, observe the "Guide for Modifications to Pedelecs" of the Zweirad-Industrie-Verband e.V. (http://www.ziv-zweirad.de) in cooperation with Verbund Service und Fahrrad g.e.V. (www.vsf.de) and Zedler-Institut für Fahrradtechnik und -Sicherheit GmbH (www.zedler.de).
- SQlab saddles are not approved across the board for fast pedelecs (S-pedelecs, up to 45 km/h). Please observe the country-specific requirements. In Germany, the "Guidelines for component replacement on fast e-bikes/pedelecs with pedal assistance up to 45 km/h" must be observed in particular.

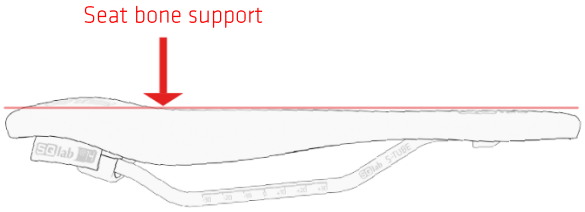
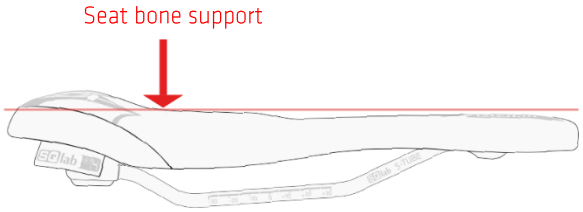
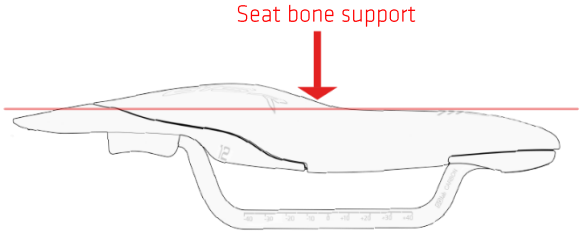
Saddle Height

Information on the correct adjustment of the saddle height can be found in the manual of your bike and in a variety of books and guides on the subject of bicycle ergonomics. Your SQlab dealer will certainly be happy to help you.

Due to the SQlab step saddle concept, SQlab saddles usually build up slightly higher than other saddles. Therefore, after replacing the saddle, a check and possible correction of the saddle height adjustment is necessary.

Saddle Angle

The saddle nose should be horizontal. If you still feel that you are sliding forward, you can tilt the saddle nose slightly upward.

SQlab 611/612 ERGOWAVE®		Recommended inclination
SQlab 6OX ERGOWAVE® active 2.1		Recommended inclination
SQlab 613 ERGOWAVE® R		Recommended inclination

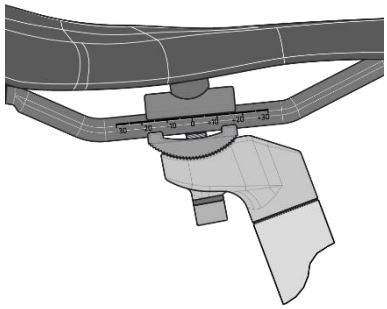
Post-seat/Horizontal Positioning of the Saddle

First mount the saddle in the center of the clamping range. Vary according to your needs starting from the center position within the adjustment range to the front and back. You can find information on the correct adjustment of the saddle position in the instructions of your bike and in a variety of books and guidebooks on the subject of bicycle ergonomics.

Your SQlab specialist dealer will certainly also be happy to help you.

Note

SQlab saddles should tend to be pushed slightly further forward than your previous saddle.



⚠ Warning

Clamping outside the specified range

Risk of accident due to sudden and unmediated breakage of the saddle rail during use.

- Clamp your SQlab saddle only within the scale shown on the saddle rails.
- In the case of a longer lower clamp jaw, make absolutely sure that the saddle rail is not deformed when tightening.

The SQlab 613 ERGOWAVE® R is a saddle specially designed for time trial and triathlon. In addition to the development according to ergonomic aspects, we have also observed the strict rules of the UCI. Therefore, the saddle meets all the dimensions specified by the UCI.

Note

When mounting, it should be noted that the saddle is mounted horizontally. For a UCI compliant mounting, the saddle tip must be at least 5 cm behind the bottom bracket.

Tightening Torques

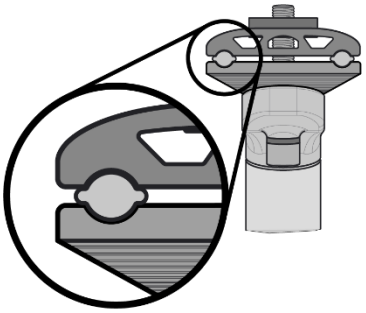
The tightening torque of the clamping bolts on the seat post depends on the seat post model. However, do not use a seat post where the tightening torque of the bolts on the clamping of the seat stays is specified as more than 18 Nm according to the manufacturer.

⚠ Warning

Tightening torque outside the specified range

Risk of falling due to sudden and unmediated breakage of the saddle rail caused by deformation or necking.

- Observe the specified tightening torque of the saddle clamp. in the operating instructions belonging to the seat post.
- Never exceed the maximum tightening torque of 18 Nm. In the event of a conflict in the specifications of the tightening torque, please contact your specialist dealer.



✕ NOT OK

⚠ Warning

Riding with one or more loose bolts on the seat post.

The saddle stays can be damaged to such an extent that the saddle can no longer be used safely.

- After 20-50 km and at least every 3 months thereafter, check the tightening torque of the clamping bolts on the seat stays for the correct torque and retighten them if necessary.
- When checking the tightening torque, also make sure not to exceed the maximum tightening torque.
- Never ride with a loose saddle.

Note

When checking the tightening torque, also make sure not to exceed the maximum tightening torque.

eBike Ready

SQlab products with the eBike Ready designation are suitable for use on pedelecs in their respective ASTM F2043-13/ DIN EN 17406 category from the point of view of function, ergonomics and operational stability (in accordance with the DIN EN ISO 4210 and DIN EN ISO 15194 standards).

Note

The SQlab eBike Ready award refers exclusively to use on pedelecs with a pedal assist of up to 25 km/h. The eBike Ready award can be found on the packaging, the user manual as well as the product page of their SQlab product.

SQlab ERGOWAVE® Saddle Exchange on Pedelec25

E-bikes and pedelecs with a CE mark and a pedal assistance of up to 25 km/h fall under the Machinery Directive, so components of these bicycles may not be exchanged or modified without further ado. In order to provide clarity, the Zweirad-Industrie-Verband (ZIV) and Verbund Service und Fahrrad (VSF) associations, in cooperation with the Zedler Institute and the Bundesinnungsverband Fahrrad (BIV), have published a joint guide to component replacement on e-bikes / pedelecs 25.

What bicycle dealers and workshops are allowed to change on these vehicles, and for which components they must obtain the approval of the vehicle manufacturer or system provider, is clearly regulated by the guide and can thus be classified as a recommended course of action.

An exchange of SQlab ERGOWAVE® saddles with the eBike Ready designation is possible on the basis of the recommended action "Guideline for component exchange on CE-marked e-bikes/pedelecs with pedal assistance up to 25 km/h" of the Zweirad-Industrie-Verband (ZIV) and Verbund Service und Fahrrad (VSF) associations in cooperation with the Zedler Institute and the Bundesinnungsverband Fahrrad (BIV), if the offset to the rear of the series/original application area is not greater than 20 mm. In this case, a change in load distribution outside the intended adjustment range may lead to critical steering characteristics. The length of the saddle struts on the saddle frame and the saddle shape also play a role here.

On our website **www.sq-lab.com/service/downloads/** you will find a document called eBike Ready in the service area under Downloads. There you will find detailed information on component replacement on Pedelec25, as well as the guidelines for component replacement from the Zweirad-Industrie-Verband (ZIV), Verbund Service und Fahrrad (VSF), the Zedler Institute and the Bundesinnungsverband Fahrrad (BIV).

SQlab ERGOWAVE® Saddle Exchange on Pedelec45

A component exchange of SQlab ERGOWAVE® saddles with the eBike Ready designation on fast pedelecs, so-called S-pedelecs, which are classified as motor vehicles and are subject to EU Directive 2002/24/E6 or EU Regulation no. 168/2013, is possible on the basis of the guideline "Bauteiletausch an S-Pedelecs - schnelle E-Bikes / Pedelecs mit einer Tretunterstützung bis 45 km/h" of the Bundesinnungsverband für das Deutsche Zweiradmechaniker-Handwerk (BIV), TÜV Rheinland, velotech.de, Verbund Service und Fahrrad (VSF), Zedler-Institut as well as the Zweirad-Industrie-Verband (ZIV) with restrictions, if the offset to the rear to the series / original application area is not greater than 20 mm. In this case, a change in load distribution outside the intended adjustment range may lead to critical steering characteristics. The length of the saddle stays on the saddle frame and the saddle shape also play a role here.

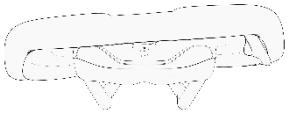
On our website **www.sq-lab.com/service/downloads/** you will find a document called eBike Ready in the service area under Downloads. There you will find detailed information on component replacement on Pedelec45, as well as the guidelines for component replacement from the Zweirad-Industrie-Verband (ZIV), Verbund Service und Fahrrad (VSF), the Zedler Institute and the Bundesinnungsverband Fahrrad (BIV).

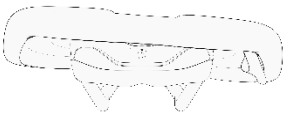
The SQlab Active Saddle Technology

The SQlab ERGOWAVE® saddles are equipped with a replaceable elastomer.

Structure of the Saddle

The saddle allows by its design a movement of the pelvis in a horizontal plane. The performance of the so-called pelvic swing is thus ensured - as in natural walking.

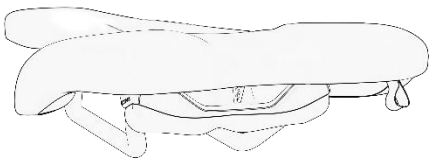




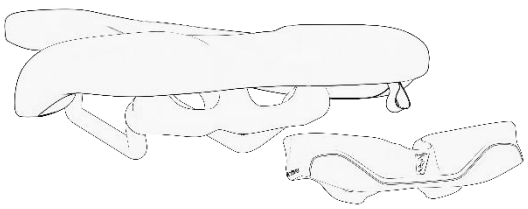
Active Movement Setting

To achieve an even more effective, comfortable tilting of the saddle, the hardness of the active element can be adjusted on the active models.

Elastomer Configuration SQlab ERGOWAVE® active 2.1

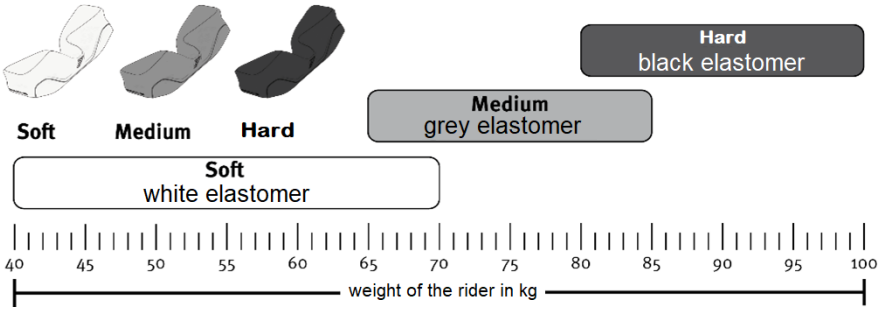


SQlab ERGOWAVE® active 2.1
with inserted elastomer



SQlab ERGOWAVE® active 2.1
with elastomer removed

The extent of the tilting movement can be adjusted in the SQlab ERGOWAVE® active 2.1 by replacing the elastomer. Included with the saddle are 3 elastomers, which differ in hardness and corresponding colors and are selected according to the rider's weight.



The elastomers are not screwed or glued, but only clamped and can be pulled out backwards by hand. To facilitate changing the elastomers, they can be moistened.

Technical Data

Designation	Art.-Nr.	Rail Material	Rail Diameter	Weight Saddle (g)	Max. Rider Weight	Max. Tightening Torque	Application range according to ASTM/ DIN EN
SQlab 60X ERGOWAVE® active - 13 cm	1791	S-Tube	Ø 7 mm	270	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active - 14 cm	1792	S-Tube	Ø 7 mm	280	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active - 15 cm	1793	S-Tube	Ø 7 mm	285	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active - 16 cm	2142	S-Tube	Ø 7 mm	295	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active 2.1 - 13 cm	2447	S-Tube	Ø 7 mm	260	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active 2.1 - 14 cm	2448	S-Tube	Ø 7 mm	262	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active 2.1 - 15 cm	2449	S-Tube	Ø 7 mm	279	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active 2.1 - 16 cm	2450	S-Tube	Ø 7 mm	281	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active ltd. Timmy C. - 13 cm	2423	S-Tube	Ø 7 mm	245	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active ltd. Timmy C. - 14 cm	2424	S-Tube	Ø 7 mm	248	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active ltd. Timmy C. - 15 cm	2425	S-Tube	Ø 7 mm	250	110 kg	18 Nm	Cat. 5
SQlab 60X ERGOWAVE® active ltd. Timmy C. - 16 cm	2426	S-Tube	Ø 7 mm	253	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active - 13 cm	2460	S-Tube	Ø 7 mm	268	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active - 14 cm	2461	S-Tube	Ø 7 mm	268	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active - 15 cm	2462	S-Tube	Ø 7 mm	268	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active - 16 cm	2463	S-Tube	Ø 7 mm	268	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active 2.1 - 13 cm	2461	S-Tube	Ø 7 mm	260	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active 2.1 - 14 cm	2462	S-Tube	Ø 7 mm	262	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active 2.1 - 15 cm	2463	S-Tube	Ø 7 mm	279	110 kg	18 Nm	Cat. 5
SQlab 60X Infinergy® ERGOWAVE® active 2.1 - 16 cm	2464	S-Tube	Ø 7 mm	281	110 kg	18 Nm	Cat. 5
SQlab 60X Trial Fabio Wibmer	2353	-	-	195	90 kg	12 Nm	Cat. 5
SQlab 6 1/2 ERGOWAVE® OX – 9 cm	2905	CrMo	Ø 7 mm	258	80 kg	18 Nm	Cat. 3
SQlab 6 1/2 ERGOWAVE® OX – 11 cm	2906	CrMo	Ø 7 mm	272	80 kg	18 Nm	Cat. 3

Designation	Art.-Nr.	Rail Material	Rail Diameter	Weight Saddle (g)	Max. Rider Weight	Max. Tightening Torque	Application range according to ASTM/ DIN EN
SQlab 6 1/2 ERGOWAVE® Racing – 9 cm	2903	CrMo	Ø 7 mm	258	80 kg	18 Nm	Cat. 3
SQlab 6 1/2 ERGOWAVE® Racing – 11 cm	2904	CrMo	Ø 7 mm	272	80 kg	18 Nm	Cat. 3
SQlab 6 1/2 ERGOWAVE® Flames – 9 cm	2901	CrMo	Ø 7 mm	258	80 kg	18 Nm	Cat. 3
SQlab 6 1/2 ERGOWAVE® Flames – 11 cm	2902	CrMo	Ø 7 mm	272	80 kg	18 Nm	Cat. 3
SQlab 611 ERGOWAVE® - 12 cm	1882	S-Tube	Ø 7 mm	205	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 13 cm	1883	S-Tube	Ø 7 mm	206	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 14 cm	1884	S-Tube	Ø 7 mm	207	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 15 cm	1885	S-Tube	Ø 7 mm	208	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 12 cm	1886	Carbon	Ø 7 x 9,6 mm	162	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 13 cm	1887	Carbon	Ø 7 x 9,6 mm	165	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 14 cm	1888	Carbon	Ø 7 x 9,6 mm	166	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® - 15 cm	1889	Carbon	Ø 7 x 9,6 mm	168	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active - 12 cm	1894	S-Tube	Ø 7 mm	238	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active - 13 cm	1895	S-Tube	Ø 7 mm	239	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active - 14 cm	1896	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active - 15 cm	1897	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 - 13 cm	2394	S-Tube	Ø 7 mm	237	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 - 14 cm	2395	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 - 15 cm	2396	S-Tube	Ø 7 mm	243	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 - 16 cm	2397	S-Tube	Ø 7 mm	246	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active Carbon - 12 cm	1898	Carbon	Ø 7 x 9,6 mm	199	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active Carbon - 13 cm	1899	Carbon	Ø 7 x 9,6 mm	205	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active Carbon - 14 cm	1900	Carbon	Ø 7 x 9,6 mm	206	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active Carbon - 15 cm	1901	Carbon	Ø 7 x 9,6 mm	207	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® CroMo - 12 cm	2046	CrMo	Ø 7 mm	244	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® CroMo - 13 cm	2047	CrMo	Ø 7 mm	248	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® CroMo - 14 cm	2048	CrMo	Ø 7 mm	250	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® CroMo - 15 cm	2049	CrMo	Ø 7 mm	254	90 kg	18 Nm	Cat. 4

Designation	Art.-Nr.	Rail Material	Rail Diameter	Weight Saddle (g)	Max. Rider Weight	Max. Tightening Torque	Application range according to ASTM/ DIN EN
SQlab 611 ERGOWAVE® active ltd. RUH - 12 cm	2277	S-Tube	Ø 7 mm	238	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. RUH - 13 cm	2278	S-Tube	Ø 7 mm	239	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. RUH - 14 cm	2279	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. RUH - 15 cm	2280	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville - 12 cm	1988	S-Tube	Ø 7 mm	205	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville - 13 cm	1989	S-Tube	Ø 7 mm	206	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville - 14 cm	1990	S-Tube	Ø 7 mm	207	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville - 15 cm	1991	S-Tube	Ø 7 mm	208	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville Carbon - 12 cm	1992	Carbon	Ø 7 x 9,6 mm	162	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville Carbon - 13 cm	1993	Carbon	Ø 7 x 9,6 mm	165	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville Carbon - 14 cm	1994	Carbon	Ø 7 x 9,6 mm	166	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Liteville Carbon - 15 cm	1995	Carbon	Ø 7 x 9,6 mm	168	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® ltd. S´Qantara - 12 cm	1968	S-Tube	Ø 7 mm	205	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® ltd. S´Qantara - 13 cm	1969	S-Tube	Ø 7 mm	206	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® ltd. S´Qantara - 14 cm	1970	S-Tube	Ø 7 mm	207	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® ltd. S´Qantara - 15 cm	1971	S-Tube	Ø 7 mm	208	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. S´Qantara - 12 cm	1964	S-Tube	Ø 7 mm	238	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. S´Qantara - 13 cm	1965	S-Tube	Ø 7 mm	239	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. S´Qantara - 14 cm	1966	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. S´Qantara - 15 cm	1967	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Flow Yellow - 12 cm	2160	S-Tube	Ø 7 mm	238	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Flow Yellow - 13 cm	2161	S-Tube	Ø 7 mm	239	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Flow Yellow - 14 cm	2162	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Flow Yellow - 15 cm	2163	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4

Designation	Art.-Nr.	Rail Material	Rail Diameter	Weight Saddle (g)	Max. Rider Weight	Max. Tightening Torque	Application range according to ASTM/ DIN EN
SQlab 611 ERGOWAVE® active ltd. Endless Summer - 12 cm	2087	S-Tube	Ø 7 mm	238	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Endless Summer - 13 cm	2088	S-Tube	Ø 7 mm	239	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Endless Summer - 14 cm	2089	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active ltd. Endless Summer - 15 cm	2090	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Fabio Wibmer - 12 cm	2345	S-Tube	Ø 7 mm	195	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Fabio Wibmer - 13 cm	2346	S-Tube	Ø 7 mm	200	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Fabio Wibmer - 14 cm	2347	S-Tube	Ø 7 mm	205	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® Fabio Wibmer - 15 cm	2348	S-Tube	Ø 7 mm	210	90 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Wings for Life - 13 cm	2451	S-Tube	Ø 7 mm	237	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Wings for Life - 14 cm	2452	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Wings for Life - 15 cm	2453	S-Tube	Ø 7 mm	243	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Wings for Life - 16 cm	2454	S-Tube	Ø 7 mm	246	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Fair on Trails – 13 cm	2700	S-Tube	Ø 7 mm	222	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Fair on Trails – 14 cm	2701	S-Tube	Ø 7 mm	225	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Fair on Trails – 15 cm	2702	S-Tube	Ø 7 mm	237	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Fair on Trails – 16 cm	2703	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Enjoy - 13 cm	2800	S-Tube	Ø 7 mm	222	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Enjoy - 14 cm	2801	S-Tube	Ø 7 mm	225	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Enjoy - 15 cm	2802	S-Tube	Ø 7 mm	237	100 kg	18 Nm	Cat. 4
SQlab 611 ERGOWAVE® active 2.1 ltd. Enjoy - 16 cm	2803	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4

Designation	Art.-Nr.	Rail Material	Rail Diameter	Weight Saddle (g)	Max. Rider Weight	Max. Tightening Torque	Application range according to ASTM/ DIN EN
SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon - 13 cm	2804	Carbon	Ø 7 x 9 mm		90 kg	18 Nm	Cat. 4
SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon - 14 cm	2805	Carbon	Ø 7 x 9 mm		90 kg	18 Nm	Cat. 4
SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon - 15 cm	2806	Carbon	Ø 7 x 9 mm		90 kg	18 Nm	Cat. 4
SQlab 611 Infinergy ERGOWAVE® active 2.1 Carbon - 16 cm	2807	Carbon	Ø 7 x 9 mm		90 kg	18 Nm	Cat. 4
SQlab 612 ERGOWAVE® R - 12 cm	2296	S-Tube	Ø 7 mm	165	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R - 13 cm	2297	S-Tube	Ø 7 mm	168	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R - 14 cm	2298	S-Tube	Ø 7 mm	170	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R - 15 cm	2521	S-Tube	Ø 7 mm	175	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R Carbon - 12 cm	2299	Carbon	Ø 7 x 9,6 mm	125	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R Carbon - 13 cm	2300	Carbon	Ø 7 x 9,6 mm	128	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R Carbon - 14 cm	2301	Carbon	Ø 7 x 9,6 mm	130	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® R Carbon - 15cm	2522	Carbon	Ø 7 x 9,6 mm	135	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® - 12 cm	1866	S-Tube	Ø 7 mm	196	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® - 13 cm	1867	S-Tube	Ø 7 mm	197	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® - 14 cm	1868	S-Tube	Ø 7 mm	198	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® - 15 cm	1869	S-Tube	Ø 7 mm	199	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® Carbon - 12 cm	1853	Carbon	Ø 7 x 9,6 mm	150	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® Carbon - 13 cm	1854	Carbon	Ø 7 x 9,6 mm	154	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® Carbon - 14 cm	1855	Carbon	Ø 7 x 9,6 mm	155	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® Carbon - 15 cm	1856	Carbon	Ø 7 x 9,6 mm	158	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active - 12 cm	1861	S-Tube	Ø 7 mm	225	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active - 13 cm	1788	S-Tube	Ø 7 mm	227	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active - 14 cm	1789	S-Tube	Ø 7 mm	230	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active - 15 cm	1790	S-Tube	Ø 7 mm	232	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active Carbon - 12 cm	1857	Carbon	Ø 7 x 9,6 mm	190	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active Carbon - 13 cm	1858	Carbon	Ø 7 x 9,6 mm	192	90 kg	18 Nm	Cat. 4/6

Designation	Art.-Nr.	Rail Material	Rail Diameter	Weight Saddle (g)	Max. Rider Weight	Max. Tightening Torque	Application range according to ASTM/ DIN EN
SQlab 612 ERGOWAVE® active Carbon - 14 cm	1859	Carbon	Ø 7 x 9,6 mm	195	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active Carbon - 15 cm	1860	Carbon	Ø 7 x 9,6 mm	196	90 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active 2.1 - 12 cm	2398	S-Tube	Ø 7 mm	224	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active 2.1 - 13 cm	2399	S-Tube	Ø 7 mm	226	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active 2.1 - 14 cm	2400	S-Tube	Ø 7 mm	230	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active 2.1 - 15 cm	2401	S-Tube	Ø 7 mm	242	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active 2.1 - 16 cm	2402	S-Tube	Ø 7 mm	249	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active ltd. RUH - 12 cm	2143	S-Tube	Ø 7 mm	225	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active ltd. RUH - 13 cm	2144	S-Tube	Ø 7 mm	227	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active ltd. RUH - 14 cm	2145	S-Tube	Ø 7 mm	230	100 kg	18 Nm	Cat. 4/6
SQlab 612 ERGOWAVE® active ltd. RUH - 15 cm	2146	S-Tube	Ø 7 mm	232	100 kg	18 Nm	Cat. 4/6
SQlab 613 ERGOWAVE® R - 11 cm	2358	S-Tube	Ø 7 mm	230	90 kg	18 Nm	Cat. 1/6
SQlab 613 ERGOWAVE® R - 12 cm	2359	S-Tube	Ø 7 mm	232	90 kg	18 Nm	Cat. 1/6
SQlab 613 ERGOWAVE® R - 13 cm	2360	S-Tube	Ø 7 mm	235	90 kg	18 Nm	Cat. 1/6
SQlab 613 ERGOWAVE® R Carbon - 11 cm	2361	Carbon	Ø 7 x 9,6 mm	185	90 kg	18 Nm	Cat. 1/6
SQlab 613 ERGOWAVE® R Carbon - 12 cm	2362	Carbon	Ø 7 x 9,6 mm	187	90 kg	18 Nm	Cat. 1/6
SQlab 613 ERGOWAVE® R Carbon - 13 cm	2363	Carbon	Ø 7 x 9,6 mm	190	90 kg	18 Nm	Cat. 1/6
SQlab 614 ERGOWAVE® active 2.1 - 12 cm	2756	S-Tube	Ø 7 mm	215	100 kg	18 Nm	Cat. 4
SQlab 614 ERGOWAVE® active 2.1 - 13 cm	2757	S-Tube	Ø 7 mm	217	100 kg	18 Nm	Cat. 4
SQlab 614 ERGOWAVE® active 2.1 - 14 cm	2758	S-Tube	Ø 7 mm	220	100 kg	18 Nm	Cat. 4
SQlab 614 ERGOWAVE® active 2.1 - 15 cm	2759	S-Tube	Ø 7 mm	230	100 kg	18 Nm	Cat. 4
SQlab 614 ERGOWAVE® active 2.1 - 16 cm	2760	S-Tube	Ø 7 mm	240	100 kg	18 Nm	Cat. 4

Inspection

Regularly check the surface of the saddle and the saddle stays for possible damage at least twice a year, in each case after no more than 2000 km and especially after falls or other situations involving unusually high forces.

Damage may be difficult to detect. Cracking and creaking noises as well as discoloration, cracks and waves in the surface of the saddle stays may indicate damage due to overloading.

⚠ Warning

Riding with a damaged saddle

Risk of falling due to sudden and unmediated breakage of the saddle frame during use

- If in doubt, do not continue riding under any circumstances and ask your SQlab dealer immediately.

Maintenance

Clean the saddle regularly with water and a soft cloth. For heavier soiling, a commercially available rinsing or cleaning agent and warm water can also be used.

⚠ Caution

Incorrect cleaning

Damage to the saddle, saddle pan or struts

- Do not use a high-pressure cleaner.
- Avoid solvent-containing or aggressive cleaning agents such as acetone, nitro (thinner), cleaning gasoline or trichloroethylene.

Noises such as creaking, cracking and squeaking are undesirable. The cause is usually difficult to find out. The most common source on the saddle is the saddle clamp.

Note

Make absolutely sure that the clamping surfaces of the seat post and the clamping area of the saddle stays are free of dirt.

But also the connection of seatpost and frame to the bottom bracket often makes noise. The connection of the struts to the saddle can also be the cause of noise. Usually the rear connection of the seat stays causes the noise.

Note

A little spray or penetrating oil in the space between the saddle rails and the saddle shell can help. The oiling must initially be repeated about every 2-3 trips.

After that, no more noises should occur even without regular lubrication.

Note

To find out the actual source of the noise, it is advisable to first oil either the front or the rear connection between the saddle strut and the saddle shell.

Liability for Material Defects and Warranty

Within the EU, the statutory liability for material defects applies to all sales contracts between private individuals and commercial sellers. From the date of purchase, buyers have 2 years warranty rights. In the event of a defect occurring or a warranty request, the SQlab partner from whom you purchased the product is your contact.

Note

This regulation is only valid in European countries. Ask your SQlab dealer about any deviating regulations in your country.

The following specialist dealer warranty is in addition to the statutory liability for material defects of your contractual partner and does not affect it. In addition to the statutory liability for material defects, SQlab GmbH extends the manufacturer's warranty from 24 to 36 months for products purchased from specialist dealers in Germany.

In the event of a defect occurring or a warranty inquiry, your SQlab specialist dealer is the contact.
The following end customer warranty is in addition to the statutory liability for material defects of your contract partner and does not affect it.
For irreparable damage to your SQlab product caused by a fall, SQlab GmbH offers you a discount of 50% up to 10 years after the date of purchase when buying a new SQlab replacement product.

If you want to take advantage of the Crash Replacement, send us your defective product to the following address:

SQlab GmbH
Crash Replacement
Postweg 4
D-82024 Taufkirchen

The originally purchased product automatically becomes the property of SQlab GmbH. SQlab will contact you after thorough examination regarding a suitable replacement product.

Claims from the end customer warranty exist only if:

- The SQlab product has been registered in the SQlab Crash Replacement Program (can be found on our website www.sq-lab.com in the service area under Crash Replacement).
- The purchase can be proven by receipt.
- No modifications have been made to the product.
- The intended use has been observed.
- The defect of the saddle is not due to improper assembly or lack of maintenance.
- Excluded are damages due to wear and tear
- The supplementary end customer warranty is only valid in Germany.

Further claims of the end customer against SQlab GmbH from this warranty do not exist. In the event of a defect occurring or a warranty inquiry, SQlab GmbH is the contact person.

Wear and Storage

Bicycles and their components are subject to function-related, mostly use-dependent wear, such as abrasion on tires, grips and brake pads. Environment-related wear occurs when stored under aggressive environmental conditions, such as sunlight and the influence of rain, wind and sand. Wear and tear is not covered by the warranty.

⚠ Caution

Incorrect storage of the SQlab saddle when mounted or remounted
Premature wear due to sunlight, temperature or humidity

- Avoid direct sunlight on the saddle.
- Store the saddle at temperatures between -10°C and 40°C and humidity below 60%.

Manufacturer and Distribution

SQlab GmbH, Postweg 4, 82024 Taufkirchen, Germany

Foreign Distributors, Dealers and Addresses

A list of our national and international distributors and specialist dealers can be found on our website:

http://www.sq-lab.com

SQlab GmbH
Sports Ergonomics
www.sq-lab.com

Postweg 4
82024 Taufkirchen
Germany

Phone +49 (0)89 - 666 10 46-0
Fax +49 (0)89 - 666 10 46-18
E-Mail info@sq-lab.com