

Clearance Certificate

Certification of successful component testing in accordance with
DIN EN ISO 4210 of the following SQlab handlebars and stems

| Handlebar - MTB | DIN EN 17406 | ASTM F2043-13 | Stem - MTB | DIN EN 17406 | ASTM F2043-13 | max. permissible system weight |
|---------------------------|--------------|---------------|-------------------------|--------------|---------------|--------------------------------|
| Handlebar 30X Carbon | 5 | 5 | Stem 80X | 5 | 5 | 120 kg |
| Handlebar 30X Alu | 5 | 5 | Stem 80X | 5 | 5 | 120 kg |
| Handlebar 311 FL-X Carbon | 4 | 4 | Stem 80X | 4 | 4 | 120 kg |
| Handlebar 311 FL-X Carbon | 4 | 4 | Stem 811 2.0 | 3 | 3 | 120 kg |
| Handlebar 311 2.0 | 3 | 3 | Stem 811 2.0 / Stem 80X | 3 | 3 | 120 kg |

| Handlebar - Road/Gravel | DIN EN 17406 | ASTM F2043-13 | Stem - Road/Gravel | DIN EN 17406 | ASTM F2043-13 | max. permissible system weight |
|-------------------------|--------------|---------------|----------------------|--------------|---------------|--------------------------------|
| Handlebar 312 R Carbon | 2/6 | 2 | Stem 812R / Stem 80X | 2/6 | 2 | 120 kg |
| Handlebar 314 Alu | 2/6 | 2 | Stem 812R / Stem 80X | 2/6 | 2 | 120 kg |

| Handlebar - Trekking/City | DIN EN 17406 | ASTM F2043-13 | Stem - Trekking/City | DIN EN 17406 | ASTM F2043-13 | max. permissible system weight |
|----------------------------------|--------------|---------------|----------------------|--------------|---------------|--------------------------------|
| Handlebar 310 3.0 | 3 | 3 | Stem 810 3.0 | 3 | 3 | 180 kg |
| Handlebar 302 3.0 | 2 | 2 | Stem 802 3.0 | 2 | 2 | 180 kg |
| Handlebar 321 3.0 | 1 | 1 | Stem 821 3.0 | 1 | 1 | 180 kg |
| Handlebar 302 Sport 2.0 - 31.8 | 2 | 2 | Stem 802 2.0 | 2 | 2 | 120 kg |
| Handlebar 302 Comfort 2.0 - 31.8 | 1 | 1 | Stem 802 2.0 | 1 | 1 | 120 kg |

Combinations that appear in the same line of the table are approved by the manufacturer for use on Pedelec25, within the corresponding range of use and maximum permissible system weight.

SQlab GmbH hereby confirms that the listed handlebars and stems have passed the operating load tests according to the respective standards. Accordingly, there is no concern from the standpoint of durability against the use of the listed handlebars and stems in e-bikes, within the intended use.

The listed handlebars and stems have been sufficiently tested by recognized testing institutions (eg Zedler - Institut für Fahrradtechnik und -Sicherheit GmbH and velotech.de GmbH) and fulfill at least the requirements of „DIN EN ISO 4210-5: 2015“ and the operating load test from the draft EPAC standard „DIN EN 15194: 2015-07“. A risk analysis was carried out. When used on a vehicle in its original condition, no danger is expected.

According to the guidelines for component replacement on CE-marked e-bikes with pedal support up to 25 km/h (issued inter alia between Zweirad-Industrie-Verband GmbH, VSF e.V. and Zedler - Institut für Fahrradtechnik und -Sicherheit GmbH) the condition of pedelecs in accordance

with “DIN EN 15194: 2015-07” is maintained in the event of proper modification, in which the length of the brake and shift cables and/or cables is not changed. However, this is only a guide that has no legal status. As described above, all of our handlebars and stems also meet the operating loads of the EPAC standard „DIN EN 15194: 2015-07“, but we cannot make any statement about a possible change in the electromagnetic compatibility of the overall system.

I hereby confirm as a bicycle dealer to have carried out the modification according to the installation and safety instructions of SQlab GmbH.

Signature

Stemp

SQLab eBike Ready

SQLab products bearing the “eBike Ready” label are suitable for use on pedelecs from the point of view of function, ergonomics and operational stability (in accordance with the standards DIN EN ISO 4210 and DIN EN ISO 15194).

Pedelec25

A component replacement for Pedelec25 is possible, based on the recommendation for action “Guidelines for component replacement in CE-marked e-bikes/pedelecs with pedal assistance up to 25 km/h” (of the associations Zweirad-Industrie-Verband (ZIV) and Verbund Service und Fahrrad (VSF) in cooperation with the Zedler-Institut and the Bundesinnungsverband Fahrrad (BIV)).

The following SQLab products can be installed on Pedelecs:

- **SQLab handlebars with the eBike-Ready label**

If the brake- and/or shift cable lengths do not have to be changed. Within the original cable lengths, a change in the seating position in the sense of the consumer should be possible. Beyond that, the load distribution on the wheel changes considerably and potentially leads to critical steering characteristics.

- **SQLab saddles with the eBike Ready label**

If the offset to the rear compared to the original range of application is not greater than 20 mm. Here, too, changing the load distribution outside the intended adjustment range may lead to critical steering characteristics. To this the length of the seat stays and the saddle shape is critical as well.

- **SQLab pedals**

If the pedal is not wider than the original.

- **SQLab Grips**

If the grips have screw clamps.

Pedelec45

Component replacement for 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 with restrictions, based on the “Component Replacement to S-Pedelecs - fast E-Bikes/Pedelecs with a pedal assistance up to 45 km/h” (of the associations Zweirad-Industrie-Verband (ZIV) and Verbund Service und Fahrrad (VSF) in cooperation with the Zedler-Institut and the Bundesinnungsverband Fahrrad (BIV)).

The following SQLab products can be installed on S-Pedelecs:

- **SQLab Pedals**

If approved reflectors are included and unless the pedal is wider than the original pedal (applies only to vehicles with 2002/24/EC approval).

- **SQLab Grips**

If the grips have screw clamps (The vehicle width must not be changed).

- **SQLab Saddles**

If the offset to the rear compared to the original range of application is not greater than 20 mm. Here, too, changing the load distribution outside the intended adjustment range may lead to critical steering characteristics. To this the length of the seat stays and the saddle shape is critical as well.

- **Danger:**

SQLab handlebars and stems are currently (as of 01.02.2022) not cleared to be used on Pedelec45/SPedelecs. A release is being worked on.