

USER'S MANUAL

**Deda**  
ELEMENTI

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**SL30, SL45, SL88**  
**CARBON TUBULAR WHEELSET**

**SL30, SL45, SL88**



Congratulations on your new Deda Elementi wheels. Please read these instructions carefully and follow them for correct use. An improper installation or wrong application of the instructions could damage the product, that will be no more covered under warranty, damage the bicycle or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by an official Deda Elementi dealer or a qualified bicycle technician.

# CONTENTS

ENG

|   |   |         |
|---|---|---------|
| 1 | GENERAL SAFETY INFORMATION _____                  | pag. 4  |
| 2 | WARRANTY _____                                    | pag. 5  |
| 3 | PACKAGING _____                                   | pag. 6  |
| 4 | TECHNICAL SPECIFICATIONS _____                    | pag. 7  |
| 5 | TIRES _____                                       | pag. 8  |
| 6 | SPROCKETS INSTALLATION _____                      | pag. 9  |
| 7 | WHEELS INSTALLATION INSTRUCTIONS _____            | pag. 10 |
| 8 | BRAKE PADS INSTRUCTIONS _____                     | pag. 11 |
| 9 | CLEANING, MAINTENANCE AND REPLACEMENT PARTS _____ | pag. 13 |

It is the user's responsibility to examine the product on a regular basis to determine the need for service or replacement. Wheels and their components are products that wear from normal use of the bicycle, for that reason we recommend cyclists to regularly inspect their bicycle and parts in order to detect any damage. If any doubts or problems occur, discontinue riding the wheels and have them inspected by an official Deda Elementi dealer or a qualified bicycle technician.

- These wheels have been designed and intended to be used on normal paved surfaces. In case of use on not paved surfaces or off-road, wheels can be subjected to damages, lose their functioning and cause serious accidents and injury for the user.
- Regularly check the wheels to be certain they are installed correctly to the bicycle and fastened securely to the frame and fork through the quick releases. An incorrect installation of the quick release can result in the wheel separation from the fork and cause serious accidents and injury for the user.
- If any bicycle fall or accident occur, discontinue riding the wheels and have them inspected carefully by an official Deda Elementi dealer or a qualified bicycle technician. The use of any damaged bicycle part can cause serious accidents and injury for the user.
- DEDA SL Carbon Tubular wheels series use carbon fiber rims that require specific brake pads using with special mixture to guarantee an efficient braking performance and carbon rim structure integrity over time. Use only original brake pads Deda Elementi for carbon rims. Any other different brake pad, as those intended for carbon rims, can cause malfunctions or decrease the braking performance and cause serious accidents and injury for the user.
- Bicycle rim is a component subjected to wear even during normal riding conditions. Inspect the rim brake surface regularly and discontinue in case of damages or doubts on the wear status of the component. In case the rim replacement be required, please contact an official Deda Elementi. The continuous use of a worn rim damage the braking efficiency, cause the component failure and cause serious accidents and injury for the user.
- Adjust the brake pads according to the instructions included in this user's manual. An incorrect brake pads adjustment can affect the efficiency of the wheel braking performance, damage the rims and cause serious accidents and injury for the user.

- Install only bicycle tires compatible with rims technical specifications included in this user's manual. The installation of tires not compatible can damage the rim wheels, invalidate the Deda Elementi Warranty and cause serious accidents and injury for the user.
- Follow the minum and maximum inflation pressure recommended by the tire manufacturer. The use of inflation pressures out of this range can damage the carbon rim, invalidate the Deda Elementi Warranty and cause serious accidents and injury for the user.
- Read the whole User's Manual carefully and keep it in a safe place for later reference.

## 2

## WARRANTY

Deda Elementi warrants that all Deda Elementi to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated on the Warranty policy.

The Warranty is valid for the purchase of an origianl Deda Elementi product only.

### 2.1 LIMITS OF WARRANTY

- In caso di sale or product cession, the Warraty will be considered valid for a two yeras period only from the original purchase.
- The Warranty doesn't cover damages caused by modifications, even small; any kind of adaptations or aletration; maintenance performed by an unauthorized people; use of the product outside the normal riding conditions on paved road surfaces. The Warranty doesn't cover even damages caused by impacts, collisions, falls that may occur for accidental reasons.
- The Warranty doesn't cover damages to the carbon wheels casued by using brake pads not original Deda Elementi, even if specific for carbon rims.

- The Warranty doesn't cover aesthetic defects like: matting, chap, fading or other phenomena that may occur to the wheels during the use and after the bicycle cleaning using water in pressure, solvents or similar products, petrol.
- In case of imperfections, defects or damages found on the product, the user is asked to enter in contact with the dealer within 10 (ten) days; after this period ends the Warranty will be no more considered eligible.

Deda Elementi reserves the right to modify partially or completely the products, instructions and warranty without any notice to the customer.

## 3

## PACKAGING

The Wheels package you have just purchased contains the following items:

- The wheels
- Wheels bag
- User's Manual
- Quick Releases
- 4 Brake pads for standard brake pad holder
- 2 Extensions valve

| Wheels Model            |   | SL30                        |
|-------------------------|---|-----------------------------|
| Cassette Compatibility  | 10v Shimano / Sram (with 1.80mm spacer)<br>11v Shimano / Sram<br>* 10-11-12v Campagnolo |                             |
| Rim                     | Size  | 632x25                      |
|                         | Width   | 25.0mm                      |
|                         | Height  | 30.0mm                      |
| Tire Compatibility      | tubular   |                             |
| Hubs                    | Front   | 100mm                       |
|                         | Rear  | 130mm                       |
| Recommended Tires Sizes | min 700x23 - max 700x32   |                             |
| Spokes                  | Front   | 281 mm; flat; straight pull |
|                         | Rear Non Drive side   | 293 mm; flat; straight pull |
|                         | Rear Drive side   | 281 mm; flat; straight pull |
| Nipples                 | 15mm ABS, aluminum  |                             |

| Wheels Model            |   | SL45                        |
|-------------------------|---|-----------------------------|
| Cassette Compatibility  | 10v Shimano / Sram (with 1.80mm spacer)<br>11v Shimano / Sram<br>* 10-11-12v Campagnolo |                             |
| Rim                     | Size  | 632x25                      |
|                         | Width   | 25.0mm                      |
|                         | Height  | 45.0mm                      |
| Tire Compatibility      | tubular   |                             |
| Hubs                    | Front   | 100mm                       |
|                         | Rear  | 130mm                       |
| Recommended Tires Sizes | min 700x23 - max 700x32   |                             |
| Spokes                  | Front   | 265 mm; flat; straight pull |
|                         | Rear Non Drive side   | 278 mm; flat; straight pull |
|                         | Rear Drive side   | 265 mm; flat; straight pull |
| Nipples                 | 15mm ABS, aluminum  |                             |

| Wheels Model            |   | SL88                        |
|-------------------------|---|-----------------------------|
| Cassette Compatibility  | 10v Shimano / Sram (with 1.80mm spacer)<br>11v Shimano / Sram<br>* 10-11-12v Campagnolo |                             |
| Rim                     | Size  | 632x25                      |
|                         | Width   | 25.0mm                      |
|                         | Height  | 88.0mm                      |
| Tire Compatibility      | tubular   |                             |
| Hubs                    | Front   | 100mm                       |
|                         | Rear  | 130mm                       |
| Recommended Tires Sizes | min 700x23 - max 700x32   |                             |
| Spokes                  | Front   | 222 mm; flat; straight pull |
|                         | Rear Non Drive side   | 235 mm; flat; straight pull |
|                         | Rear Drive side   | 222 mm; flat; straight pull |
| Nipples                 | 15mm ABS, aluminum  |                             |

\* Campagnolo freehub body version

## TIRES

DEDA SL Carbon Tubular wheels series are designed to be compatible with tubular tires only that require the tire bonding directly on the rim bed surface. Check tire dimensions according to the rim technical specifications included in this user's manual.

Before tire installation apply electric adhesive tape around the valve air in order to avoid annoying rumors due to the contact between aluminum valve and rim surface.

Before tire installation carefully read the recommended instructions of the tubular tire manufacturer.

It is always recommended to respect the following procedure:

- Slightly sand-paper the bed rim surface using very thin paper.
- Use acetone or similar product to degrease the contact surface rim-tubular in order to remove residual that can affect the bonding efficiency.
- Apply at least 2 coats of glue to the rim bed surface and 1 coat to the tubular tire.



- Wait till the glue is complete dry on the rim and tubular before mounting the tubular on the rim.
- Wait at least 24 hours, after the tubular tire has been installed on the wheel, before using the bicycle.
- Proceede with tire inflation as per tire manufacturer recommandations.

**WARNING:** Do not use tires non comptible with this wheel. The use of non compatible tires can cause sudden and unexpected loss of pressure, loss of control and tire failure resulting in serious accident and injury for the user.

**WARNING:** Tubular tire installation requires a specific experience of the product, in case of doubts please contact an official Deda Elementi dealer or a qualified bicycle technician. During tire installation don't use tools or tire lever that can fold, damage or fragilize the rim edge. An incorrect tire installation can cause serious accidents and injury for the user.

**WARNING:** Never exceed the maximum inflation pressure recommended by the wheels manufacturer as indicated in this user's manual. Excessive tire pressures could damage the rim structure resulting in serious accident and injury for the user.

## SPROCKETS INSTALLATION

Deda Elementi wheels are available with Shimano® / Sram® 10-11 speed cassette and Campagnolo® 10-11-12 speed cassette. Read and carefully follow the installation instructions of the sprockets.

The rear wheel with Shimano® freehub body is supplied with a 1.80mm aluminum spacer that is intended to be used with Shimano® /Sram® 10 speed cassette only . Please don't use 1.80mm spacer with 11 speed cassette.

| Wheel Type   | Freehub Cassette Compatibility |                               |                            |
|--------------|--------------------------------|-------------------------------|----------------------------|
| Shimano/Sram | Shimano/Sram 11v               | Shimano 10v + dist.<br>1.80mm | Sram 10v + dist.<br>1.80mm |
| Campagnolo   | Campagnolo 12v                 | Campagnolo 11v                | Campagnolo 10v             |

**WARNING:** Since specific tools and experience are necessary for proper sprockets installation, in case of doubts it is recommended that the product be installed by an official Deda Elementi dealer or a qualified bicycle technician. An incorrect sprockets installation can cause serious accidents and injury for the user.

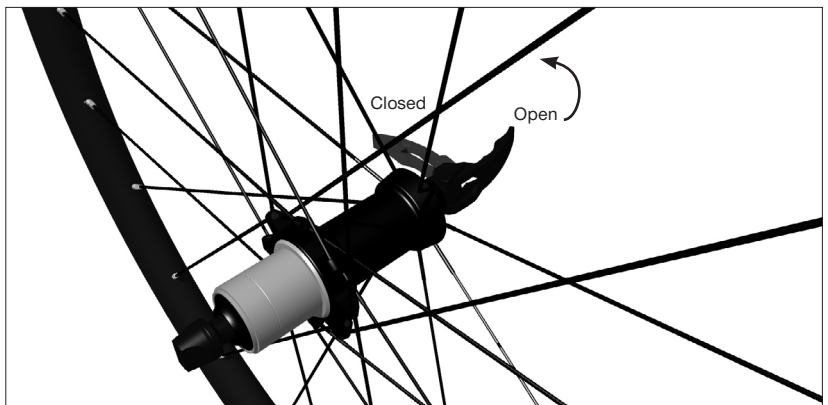
**WARNING:** Please make sure that wheel freehub body be compatible with your sprockets cassette before proceed with the assembly. Failure to insure compatibility between wheel and sprockets cassette can cause malfunction of the bicycle drive train resulting in serious accident and injury for the user.

## WHEELS INSTALLATION INSTRUCTIONS

**WARNING:** Since specific experience is necessary for proper wheels installation, in case of doubts it is recommended that the product be installed by an official Deda Elementi dealer or a qualified bicycle technician. An incorrect wheels installation can cause serious accidents and injury for the user.

- Insert the quick release into hub so that the lever be on the non drive side of the wheel and tighten the quick release nut slightly on the opposite side of the lever. (Note: front quick release is shorter than rear)
- Install the front and rear wheel respectively into the fork and frame drop-outs.
- Tighten the quick release nut until it is in contact with the fork or frame drop-outs.
- Close the quick release lever from the Open to the Closed position; if necessary adjust the closing force manually through the nut (tightening the force increases, untightening the force decreases) (Fig. 1).

Fig 1



**WARNING:** Since specific experience is necessary for proper wheels installation, in case of doubts it is recommended that the product be installed by an official Deda Elementi dealer or a qualified bicycle technician. An incorrect wheels installation can cause serious accidents and injury for the user.

**WARNING:** While adjusting the closing force manually, please make sure do not tighten or untighten the nut too much. A ½ turn of rotation can result in the non closing of the wheel or excessive closing force of the wheel. The improper adjusting of the wheel closing can cause serious accidents and injury for the user.

- When the lever is closed, make sure it is completely closed (full travel) and do not allow the frame or fork to inhibit the complete closing of the lever (Fig. 2)
- Check before every ride the closing force of the wheel and correct mechanism functioning of quick releases.

Fig 2



**WARNING:** After cleaning the bicycle or a ride in rain conditions, please lubricate pivot and cam points in order to prevent oxidation phenomena that damage the correct mechanism functioning of quick releases.

## BRAKE PADS INSTRUCTIONS

DEDA SL Carbon Tubular wheels are supplied with specific brake pads for carbon rim:

- Deda Elementi brake pads

User must use Deda brake pads only mounted directly on brake pad holders of his own bike.

## 8.1 BRAKE PADS MOUNTING

- Remove original pads from the brakesets of your bicycle and replace them with those blue color provided with the wheels. Make sure to respect the correct mounting direction of brake pads by watching the indications directly present on the pad surface.
- If present on the brake pad holder, tighten the security screw to secure the pad in position.
- Adjust the brake pads in order to be aligned with the rim brake surface and to be 2mm distant from the upper edge of the rim (Fig. 3).

Fig 3



Before using the bicycle, always make sure that the installed brakesets installed work correctly and brake pads have been mounted according to the wheels user's manual. Frequently inspect the brake pads and, if necessary, remove metal shims or other foreign debris from their surfaces. In rain conditions the braking power decrease so that the braking distance of the bicycle will increase considerably. Once the wear limit of the brake pads has been reached (a Wear Limit is indicated on the pad surface), discontinue riding the bicycle and replace them with original Deda Elementi spare parts.

**WARNING:** The brake pads installation require a specific knowledge of the product. In case of doubts always contact a official Deda Elementi dealer or a qualified bicycle technician. The incorrect installation of the brake pads can cause serious accident and injury for the user.

**WARNING:** Metal debris and foreign objects included into the brake pad surface will compromise the braking performance and cause severe rim damages that may result in wheel failure and cause serious accident to the user.

The wheels you have just purchased are high technology products that require specific care and maintenance to fully obtain the maximum performance advantages and to preserve them over time. So we recommend to follow simple rules of use to avoid any kind of problem.

**WARNING:** Never clean the wheels and parts using high pressure and high temperature water. The water pressure can overcome seals and bearings protections systems causing damages irreparably or malfunction of internal parts of the hub. Never use solvents, chemical products, petrol or similar substances, over the hubs that can damage seals and rubber gaskets or remove the grease from the bearings completely.

After the bicycle washing, dry every parts and components avoiding to store water into the hollow points of the wheel ( for instance inside the rim and hub). Frequently check the wear status of the wheels parts and if necessary make the maintenance and/or parts replacement through the official Deda Elementi dealers.

The recommended service intervals depend on the use and using condition of the wheels. It is recommended to make an inspection after each riding season or every time in case of bearing problems, wheel out of center or damaged parts are apparent. Since specific tools and experience are necessary for hub maintenance, wheel truing or parts replacement it is recommended that the service should be done by official Deda Elementi dealer.

For any service or replacement parts, only original Deda Elementi spare parts have to be used in order to guarantee the product quality and the warranty maintaining.

## CONTACTS

For any question or technical information please contact Deda Elementi by visiting the website at [www.dedaelementi.com](http://www.dedaelementi.com) and through the email address [info@dedaelementi.com](mailto:info@dedaelementi.com).

Deda Elementi s.r.l reserves the right to modify without notice the content of this manual always guaranteeing the availability of the updated versions on the website download area.



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