

PORTE[®]



USER MANUAL
SEATPOST

V 1.1 2025

Classification: Confidential

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Revision date: 03/02/2025

Document name: PORTE User Manual Seatpost

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INTRODUCTION

SYMBOLS USED

The user manual uses the following symbols:



CAUTION

Indicates a hazardous situation which, if the safety instructions are not followed, may lead to minor or moderate injury and/or damage to the product or the environment.



WARNING

Indicates a hazardous situation which, if the safety instructions are not followed, may lead to minor or serious injury or death and/or serious damage to the product or the environment.



DANGER

Indicates a hazardous situation which, if the safety instructions are not followed, will lead to serious injury or death.

INTENDED USE

The products are only to be used for mountain bike cross-country ASTM level 1, 2 and 3.

PROHIBITED USE

It is prohibited to use the product for any other purpose than those indicated in the manual, the safety indicates, or other safety documents related to this document.

ISO TESTED

RIDEPORTE products are tested and approved by EFBE PRÜFTECHNIK GmbH for a maximum total weight of 100kg (unless stated otherwise) for ASTM XC-MTB categories Level 1, 2 and 3.

ASTM LEVEL 1

This is a set of conditions for the operation of a bicycle on a regular paved surface where the tires are intended to maintain ground contact.

ASTM LEVEL 2

This is a set of conditions for the operation of a bicycle that includes Level 1 conditions as well as unpaved and gravel roads and trails with moderate grades. In this set of conditions, contact with irregular terrain and loss of tire contact with the ground may occur. Drops are intended to be limited to 15cm (6") or less.

ASTM LEVEL 3

This is a set of conditions for operation of a bicycle that includes Level 1 and 2 conditions as well as rough trails, rough unpaved roads, and rough terrain and unimproved trails that require technical skills. Jumps and drops are intended to be less than 61cm (24").

ASTM LEVEL 4

This is a set of conditions for operation of a bicycle that includes Level 1, 2, and 3 conditions and downhill grades on rough trails at speeds less than 40 km/h (25 mph), or both. Jumps are intended to be less than 122cm (48"). RIDEPORTE products are NOT tested and approved for this level.

TEST PROGRAMS AT EFBE

- Frame – Pedaling forces (ISO 4210-5:2014/4.3/EN 15194:2017, 4.3.7.4/TTF1)
- Frame – Vertical forces (ISO 4210-5:2014/4.5/ EN 15194:2017, 4.3.7.4/TTF2)
- Frame – Horizontal forces (ISO 4210-5:2014/4.5/ EN 15194:2017, 4.3.7.4/TTF3)
- Frame – Impact test falling mass (ISO 4210-5:2014/4.1/ EN 15194:2017, 4.3.7.2/TTF3)
- Handlebar/stem – Static test forward (ISO 4210-5:2023/4.4)
- Handlebar/stem – Static test lateral (ISO 4210-5:2023/4.3)
- Handlebar/stem – Fatigue test (ISO 4210-5:2023/4.9)
- Handlebar/stem – Steerer torsional security (ISO 4210-5:2023/4.6)-5:2014)
- Wheel – Rotational accuracy (ISO 4210-7:2014)
- Wheel – Static strength test wheel/tire assembly (ISO 4210-7:2014)
- **Seat post – Fatigue test (ISO 4210-09:2014/4.5.2)**
- **Seat post – Static test (ISO 4210-09:2014/4.5.3)**

SEATPOST

INSTALLATION

HOW TO INSTALL THE SEATPOST



Installing a carbon fiber seatpost, requires many of the same steps as an aluminum seatpost, although there are a few important points that can make this job stress free and smooth. You should approach the carbon fiber seatpost with the utmost care so it doesn't require much (*or any*) attention afterwards. It's for this reason that we recommend using this guide.



First! Do not clamp the seatpost in a bike stand, a bike stand is an unregulated clamp with a very large force that can exceed the maximum force that is allowed on the seatpost.



Second! Inspect the seatpost of irregularities, we control the full manufacturing process and will guarantee a perfect condition product. However during transport a failure can occur. Please inspect and report if there are any malfunctions.



Third! There should ALWAYS be at least 8 cm of the seat post in the frame. This section of the seat post is specifically reinforced. We advise not cutting the seat post, but instead choosing the right length (350 or 400 mm) beforehand.

If these are met, please continue with the installation:

STEP 1

Gently rub carbon paste around the last 8cm of the seat post.



STEP 2

Mount the seat post in the frame and tighten the seat post clamp screw (hand-tight).



Make sure the indentation in the frame corresponds with the indentation in the clamp. So the carbon layers of seat post will have room to flex when compressed.



STEP 3

Tighten with the use of a torque wrench. Do not exceed this parameter of 5 Nm. Please be advised 3-4 Nm should be sufficient to secure the seat post when carbon paste is applied.

Remove any excessive carbon paste.



HOW TO INSTALL THE SADDLE

STEP 1

Gently rub carbon paste on the outside bottom of the half-moon shaped part that serves as the base for the saddle rails



STEP 2

Put a small amount of carbon paste at the base of the holes of the seatpost where the saddle clamp bolts go in.



STEP 3

Gently rub carbon paste around the saddle rails.



STEP 4

Install both the saddle clamp bolts. The thread should not be sticking out of the saddle clamp upper parts for now.



STEP 5

Place the upper parts of the saddle clamp in line with each other to facilitate installing the saddle.



STEP 6

With the half-moon shaped base in place, install the saddle, move the upper parts so they hold the saddle rails, and tighten the bolts hand-tight.



STEP 7

Make sure the upper parts are perfectly parallel and tighten to 3-4 Nm. Do not exceed this parameter of 5 Nm.

Remove any excess carbon paste.



SEATPOST TECHNICAL

DRAWING

SPECIFICATIONS

- Seatpost diameter: 31,6 mm
- Material: T700 carbon
- Offset: 0 mm
- Length: 350/400/450 mm
- Insertions minimum: 8 cm
- Insertion maximum: 15 cm
- Weight: 107 gram (400mm with bolts and seat clamp parts)
- Maximum rider weight: 100 kg

ISSUES

ESTHETICAL

Each carbon rod is finished by hand, and small deformities in the carbon layers can appear. We strive to make each carbon rod perfectly flawless, but small carbon imperfections can occur. When cleaning the seat post with a dirty rag, a scratch might be made in the carbon rod. This is an aesthetic issue because the rod is raw carbon. Please use clean rags to maintain the look of your seat post.

NOISE

A small creaking noise can occur from the half-moon shaped part rotating in the seat post under load. Carbon grease solves this problem. Tightening the bolts to 4-5 Nm can also reduce noise caused by the rotating of the half-moon.

WARRANTY

See warranty document at:

<https://www.rideporte.com/technical>