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2012-08-09  
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## Testreport

Computer controlled fatigue test of a  
Bicycle seat post  
Test item no. 123979

### Test sample data

Manufacturer:	Lagear
Model name:	SPC 11
Identity no.:	None
Suspension:	None
Coating:	Yes
Total weight (g):	240
Application:	Rennrad/Triathlon
Total length (mm)	350
Diameter (mm)	30,8
Clamping torque (Nm)	6
Insertion depth (mm)	90
Remarks	None

### Test description

The seatpost was fatigue tested following EFBe-Standard 7520. This means a computer controlled and documented single stage test (Wöhler-test) with an error less than 1% and a standard deviation less than 0,5%.

In case of suspension test samples the test is carried out with the original suspension unit: spring rate, spring preload and damping at maximum if possible.

#### Fatigue-test seat post EFBe TP-R (SDFTPR)

The **test arrangement** is loading the seat post by a rear lever. It is following EN 14764, clause 4.14.7, but enhanced in the following items:

- Stem of patent seat post is fixed with a standardized angle of 70 degrees. The position of the rear lever is 10 degrees downwards.
- The lever gage 70 is defined from the middle of the clamping area.

The **requirements** are corresponding to EFBe-class **Top Performance** for **racing bikes** (TP-R):

**Testing forces** (pulsating): 1200 N  
**Allocated number of loads:** 100 000

### Test result:

The allocated number of loads was reached without any crack or fracture.

**The test was passed.**

**Remarks:** None

Test engineer: i.A. V. Stobberg  
End of testing: 2012-08-13

Waltrop 2012-08-24 .....  
stamp, sign

This test report may not be reproduced but with complete wording. It contains the result of a one-time type testing and no statements about quality of serial production components are made. Readings of dimensions, torques and weights without engagement.

**Caution!**  
**Fatigue tested parts cannot be used further on.**  
**Acute danger of fracture!**