

Customer: LAMINAR ENT. CO. LTD.
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Testreport

Computer controlled fatigue test of a Bicycle handlebar + stem
Test item no. 134152

Test sample data

handlebar		stem
Lagear HB-MBR 780/35		Lagear LB 35 A
No		No
268		194
	No	
Yes		Yes
780 / 680		
8		6
34,9		28,6
		100
None		
	Lagear HB-MBR 780/35 No 268 Yes 780 / 680 8 34,9	Lagear HB-MBR 780/35 No 268 No Yes 780 / 680 8 34,9

Test description

The handlebar / stem 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 spring rate, spring preload and damping at maximum.

Fatique test handlebar/stem EFBe TP-M (LDKTPM)

The **test arrangement** is loading the handlebar ends antiphase and inphase. It is corresponding to EN 14764, clause 4.7.7.

The requirements are corresponding EFBe-class Top Performance for mountain bikes (TP M):

These requirements are equivalent to the requirements of EN 14766.

Test result:

Anti phase: The allocated number of loads was reached without any crack or fracture. **In phase:** 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: 2013-01-17 Waltrop 2013-01-21

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!

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