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 2012-08-09  
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**Testreport**  
 Maximum load + Overload test  
 Bicycle handlebar + stem  
 Test item no. 123974

**Test sample data**

	handlebar	stem
Manufacturer	Lagear	Lagear
Model name	HB-MABR-35	None
Identity no.	None	None
weight (g)	428	220
Suspension	None	
Coating	Yes	Yes
Width / clamping width (mm)	775 / 675	
Clamping torque (Nm)	6	6
Clamping diameter (mm)	35	28,6
Length stem (mm)		50
Remarks	None	

**Test description**

(LÜF\_R)

**Max./Overload test handlebar/stem EFBe right (LÜF\_R)**

The **test arrangement** is corresponding to EN 14766, clause 4.7.6.2. Load input is 50 mm from the right bar end parallel to the handlebar stem. The pneumatically applied test force is detected by the cylinder pressure with a precision pressure gauge. The measurement deviation is  $\pm 3$  percent and the duration of force application is 10 s for maximum load and 1 second for overload. The permanent deformation is measured at the load input point in direction of the load.

**EFBe-recommendations are:**

**A Maximum load test**

Load 1: 1 100 N  
 max. perm. deformation: 10 mm  
 Fracture behavior: no crack / fracture

**B Overload test**

Load 2: 1 500 N  
 Fracture behavior: no brittle fracture

**Test result:**

**A Maximum load test:**

Test load 1: 1 100 N  
 Permanent deformation: 4.8 mm  
 Crack or fracture: No

**B Overload test:**

Test load 2: 1 500 N  
 Crack/fracture/deform.: Yes  
 Brittle fracture: No

**The Maximum load test was passed.**

**The Overload test was passed.**

**Remarks:** For preceeded tests please see testreport No. P1206028, P1206029.

Test engineer: i.A. V. Stobberg  
 End of testing: 2012-08-16

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.