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 2013-01-08
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Testreport
 Maximum load + Overload test
 Bicycle handlebar + stem
 Test item no. 134153

Test sample data

	handlebar	stem
Manufacturer	Lagear	Lagear
Model name	HB-MBR 780/32	LB
Identity no.	No	No
weight (g)		7/174
Suspension	No	
Coating	Yes	Yes
Width / clamping width (mm)	780 / 680	
Clamping torque (Nm)	8	6
Clamping diameter (mm)	31,8	28,4
Length stem (mm)		100
Remarks	None	

Test description (LÜF_L)

Max./Overload test handlebar/stem EFBE left (LÜF_L)

The **test arrangement** is corresponding to EN 14766, clause 4.7.6.2. Load input is 50 mm from the left 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 ± 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: 4.2 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. P1306490.

Test engineer: i.A. V. Stobberg
 End of testing: 2013-01-21

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.