RDW

Vehicle Technology Division

THE NETHERLANDS
(NEDERLAND)

E4

Concerning [1]:

- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of rear-view mirror pursuant to Regulation number 81.

Approval number: E4-81R-000255 **Extension number: 00**

Approval mark:

L E4 000255

1.	Trade name or mark of the equipment	:	
2.	Equipment type	:	
3.	Brief description including in particular the following information:		
3.1.	Main dimensions (of the reflecting surface)	:	190mm x 82.3 mm
3.2.	Nominal radius of curvature (of the reflecting surface)	:	1350 mm
4.	Manufacturer's name and address	:	
5.	If applicable, name and address of manufacturer's representative	:	Not Applicable
6.	Equipment submitted for approval on	:	April 28, 2009
7.	Technical service responsible for conducting approval tests	:	TÜV NORD Mobilität GmbH & Co. KG Institut für Fahrzeugtechnik und Mobilität Adlerstrasse 7, D-45307 Essen
8.	Date of report issued by that service	:	April 29, 2009

RDW

P.O. Box 777
2700 AT Zoetermeer
The Netherlands

Tel. + 31 (0)79 345 81 43
Fax + 31 (0)79 345 80 43
www.rdw.nl

Vehicle Approval and Information

9.	Number of report issued by that service	: K107-A0-0409-2712
10.	Vehicles for which the equipment is designed	: All models that all of the installation conditions are the same
11.	Approval is	: granted/~~refused/extended/withdrawn~~ [1]
12.	Reason(s) for extension of approval	: Not applicable
13.	Place	: Zoetermeer
14.	Date	: 07-MAY-2009
15.	Signature	:



J.C.M. Hoes

16. A list of documents contained in the approval file transmitted to the administrative service which has granted approval is annexed to this communication.

---

[1] Strike out what does not apply.

INFORMATION DOCUMENT

FOR THE TYPE APPOVAL OF REAR-VIEW MIRROR ACCORDING TO ECE REGULATLON 81

1. Make(trade name of manufacturer) :

2. Type and general commercial description:

3. Means of identification of the type, if indicated on the device:

4. Name and address of manufacturer :

5.1 Address(es) of assembly plants: Same as above item 5

6. Name and address of manufacturer's representative : Not applicable

7. Location and method of affixing of the approval mark : Molded on the housing

8. Concise description:

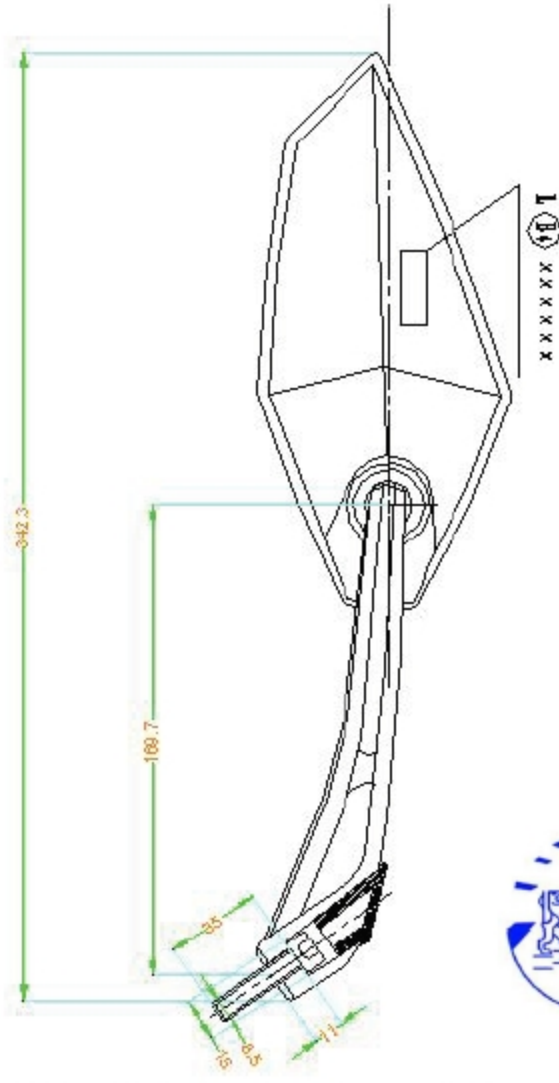
Class :	L
General description:	Exterior rear-view mirror will be mounted on the steering handle
Mounting method:	by screws
Radius of curvature :	r=1350㎜±100㎜
Reflecting surface dimensions:	190㎜ x 82.3 ㎜

9. Remarks (Control system)

Folding system :	NO
Reflecting surface adjusting system:	Y

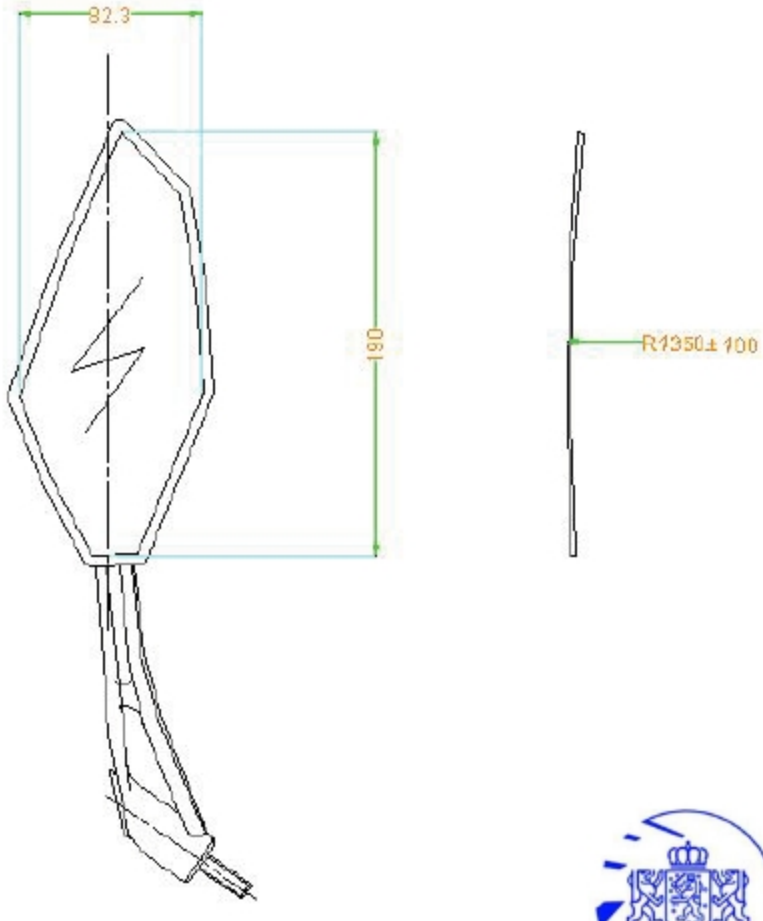
This information document consists of 4 pages

RDW



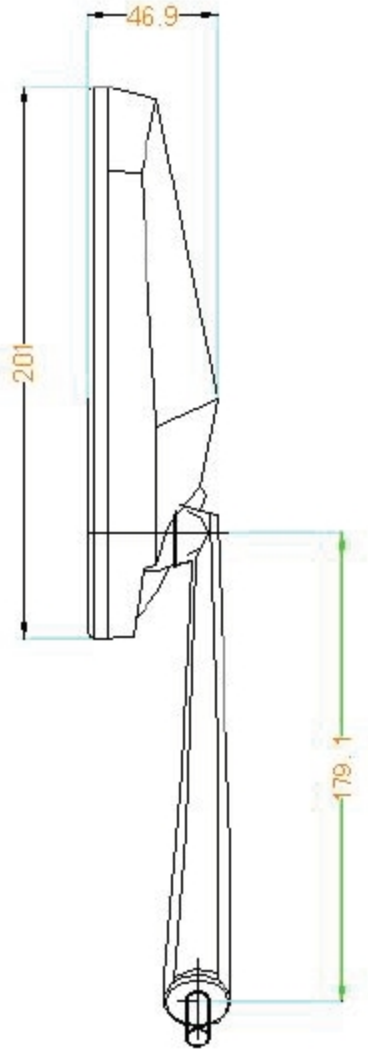
Rear-view mirror located on left and right hand of motorcycle are symmetric.

	Drawing No. :	QY189-00-01
	Type :	QY189



RDW

	Drawing No. :	QY189-00-02
	Type :	QY189
	Page :	3 of 4



	Drawing No. :	QY189-00-03
	Type :	QY189

INSPECTION REPORT

according to ECE-Regulation

Uniform provisions concerning the approval of rear-view mirrors

EC R81

including all amendments until

Supplement 2 to the original version dated: 18 June 2007

Previously granted		
ECE - certificate	:	---

0. General information

0.1.	Make (trade name of the manufacturer)	:
0.2.	Class	: L
0.3.	Name and address of the manufacturer	:
0.4.	Name and address of the manufacturer's authorised representative	: not applicable
0.5.	No. of information folder	: QY189-00

1. Test object(s)

1.1.	Description	: Exterior rear-view mirrors with ~~flat or~~ spherically convex reflecting surface. ~~Optional available is a flat reflecting surface with part cylindrical reflecting surface and convex reflecting surface with part aspherical reflecting surface. For the tests the cylindrical and the aspherical part is regarded as not reflecting therefore covered.~~ The adjustment of the reflecting surface relatively to the mirror housing is performed manually ; ~~Cable control type with manual folding type.~~ Models of vehicle to be fitted: All models that all installation co are the same
1.2.	Remark	: ---

2. Test minutes

2.1.	Test facilities	: The test equipment used was in compliance with the requirements of the directive
2.2.	Test results	: see Appendix 1., Technical information about the mirror type. ~~The mirror type has been tested according to the amendments mentioned in Appendix 0.~~ ~~An actual test of the type was not required. The results of the previous tests are still valid.delete if unnecessary~~
2.2.1.	General regulations	: The rear-view mirror complies with the general requirements of the directive
2.2.2.	Special regulations	: The rear-view mirror complies with the special requirements of the directive
2.2.3.	Tests	: The rear-view mirror fulfils requirements of the directive regarding impact and bending test.
2.3.	General test information	
2.3.1.	Test object received on	: ---
2.3.2.	Test date	: April 28, 2009
2.3.3.	Test site	: Taizhou, China
2.3.4.	Remark	: The results of the test refer exclusively to the object(s) mentioned under point 1.1 of this report.

3. Remark concerning tested object(s) : ---

4. Appendices

0 List of modifications

1 Test minutes for the mirror type

2 Information folder : QY189-00

5. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned directive/ ~~regulation.~~

The test laboratory is accredited for the above mentioned tests by the RDW, Vehicle Technology and Information Centre, the Netherlands:

Certification Number: RDW-99050016

The technical report comprises the pages 1 to 7 (including appendix 0, 1 and 2) and shall not be reproduced except in full without the written approval of the test laboratory.

China(Shanghai), April 29, 2008



Eun-Jeong Hur
Engineer

List of modifications **Appendix 0**

Correction of : - --

Modification of : - --

Addition of : - --

Deletion of : - --

Test minutes for the mirror type **Appendix 1**

	flat mirror (driver side)
Dimension of reflecting surface	
Its area shall not be less than 6900 mm^2	8130mm^2
The diameter of circular mirrors shall not be less than 94 mm	Not applicable
Where rear view mirrors are not circular, their dimensions shall enable a 78 mm-diameter circle to be prescribed on their reflecting surface	82.3 mm
The maximum diameter of reflecting surface of any circular rear view mirror shall not be greater than 150 mm,	Not applicable
The reflecting surface of any non-circular rear view mirror shall lie within a rectangle measuring 120mm x 200mm	82.3 mm x 190 mm
Reflecting surface and coefficient of reflection	
Radius of curvature	
rp1 = (ri + r'i) / 2	1446 mm
rp2 = (ri + r'i) / 2	1424 mm
rp3 = (ri + r'i) / 2	1435mm
r = (rp1 + rp2 + rp3) / 3	1435mm
Design value of r	1350 mm

	Convex mirror (Class L)
Reflecting surface and coefficient of reflection	
Coefficient of reflection	78 %
Required minimum coefficient	≥ 40.0 %
Radius of curvature "c" at of the edge of the projection	≥ 2.5 mm
Impact point according to test 1 (from front) & 2 (from rear)	
Pendulum angle of return to the vertical	35 ° (on reflecting surface) 37 °(on the opposite side)
Breaking of reflecting surface	no
Bending test	the required load has been applied for one minute
Breaking of reflecting surface and housing	no