

## Test Report

No Q MBL N 937 1244e

**Customer:** Ruca Corporation  
11/Fl.#451/453 Wen Hua Road Sec. 2  
Pan-Chiano, Taipei,  
TAIWAN

**Unit:** **Silence hinge “E 600 series”**  
with integrated damper and mounting plate  
(Samples supplied by the customer)

**Commission:** Test in accordance with DIN 68 857

### Statement:

The silence hinge with integrated damper and mounting plate was tested in accordance with the requirements of DIN 68 857: 06.2004.

Main parts of the tests were functional properties, endurance and abrasion (wear) as well as safety.

The attachment of the metal concealed hinges with the mounting plate shall be fixed to the reference chipboard with reference to DIN EN 313-3.

Results of the endurance:

Parameter	New state	80 000 cycles	Desired value
Locking pressure (N)	1,4 N	1,3 N	> 0,5 N
Opening force (N)	5,5 N	4,6 N	< 20 N
Closing force (N)	2,2 N	1,9 N	< 20 N
Sag (mm)	./.	1,1 mm	< 3 mm

The measured values correspond with mean values of 3 doors.  
For individual values see test report.

In summary, it is to be stated that cup hinges and mounting plates comply with the requirements related to functional properties and safety in accordance to DIN 68 857 up to 80 000 cycles.



The cup hinge is to denominate as follows:

**Cup hinge DIN 68 857-BK**

The cup hinge agree with the requirements of this standard with the hinge type „B“ (cup diameter > 30 mm) and furniture type „K“ (furniture for kitchen).

The integrated damper in the cup hinge works also after 80 000 movements reliable.

For further technical parameters and results see the following pages:

Nuremberg, 2007-04-03  
Q MBL N /hy/km/ad

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**Note:**

The results correspond to the report no Q MBL N 937 1157.

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