



Verification of lock types  
EL402 and EL502  
according to EN 12209:2004

| Requested by: Abloy Oy, Finland



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**Object** **Verification of lock types EL402 and EL502 according to EN 12209:2004**

VTT has tested lock types EL402 and EL502 according to EN 12209:2004. The test results are reported in test report VTT-S-03749-08 *Testing of lock types EL402, EL404 and EL502 according to EN 12209:2004*.

The lock types EL402 and EL502 achieved the following grades according to the requirements set in EN 12209:

1. Category of use: Grade 3 (high chance of misuse)
2. Durability: C (200 000 test cycles, no load on latch bolt)
3. Door mass: Grade 8 (max 200 kg, 15 N closing force)
5. Safety: -
6. Corrosion resistance and temperature: F (high + temperature requirement)
7. Security: Grade 3 (medium security, no drill resistance)
8. Field of door application: B
9. Type of key operation and locking: B
10. Type of spindle operation: 0
11. Key identification requirement: 0.

The durability tests were carried out to the samples from lock type EL402. According to the manufacturer the lock types EL402 and EL502 have same mechanical characteristics, and they are identified in construction confirmation enclosed in Appendix.

Espoo, 22.4.2008



Eero Punakallio  
Service Manager



Aki Neuvonen  
Research Engineer

APPENDIX  
DISTRIBUTION

Construction Confirmation  
Client and VTT

Original.

## CONSTRUCTION CONFIRMATION

**Manufacturer:** Abloy Oy

**Address:** Wahlforssinkatu 20, 80100 JOENSUU, FINLAND

**Hereby declare that the products use same mechanical construction in locking module. Differences are in cylinder module.**

EL402

EL404

EL502

Joensuu 18.04.2008

On behalf of Abloy Oy



Jari Kervinen  
Product Design Manager  
Electromechanical Lock Cases  
Abloy Oy

Construction confirmation for lock types EL402, EL404 and EL502.