



Test Procedure Certificate for Development of Catalogue Clamping Elements

This is to certify that all ROEMHELD catalogue clamping elements are subject to a long-term endurance test during the development phase.

The clamping elements have to resist a determined number of motion cycles with full load and at maximum operating pressure.

The number of motion cycles depends on the product group and has been determined as follows:

1. **Swing clamps**
Minimum cycles: 1,000,000 (10^6) – Clamping and unclamping
2. **Work supports**
Minimum cycles: 500,000 – Extending locking and retracting
3. **Hinge clamps**
Minimum cycles: 500,000 – Clamping and unclamping
4. **Pivot slide clamps**
Minimum cycles: 500,000 – Clamping and unclamping
5. **Clamping and supporting elements**
Minimum cycles: 1,000,000 (10^6) – Clamping and unclamping

The test is regarded as passed, if proper functioning of the clamping element is still given after completion of the long-term endurance test.

Only clamping elements that have passed the long-term endurance test with success can be released for publishing in the ROEMHELD catalogue and selling.

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