Quasi-static and Dynamic Strength Test at HEMLOK- Blind Rivet- Joints

Problem

- Informational deficit about specific load-bearing characteristics of HEMLOCK- blind-rivet-joints subject to the variation of thickness of the material and prepunched hole diameter in assemblies of steel or aluminium

Solution

- Realization of quasi-static strength tests for the detection of the basic load-bearing characteristics
- Realization of dynamic strength tests at two-element-tensile shear-samples for the evaluation of the dynamic failure

Benefit

- Further development of joining elements to guarantee an improvement of the load-bearing characteristics
- Avoidance of constructive overdimensioning through a higher load factor of the verified bearing capacity