



OUR GOAL – EXCELLENT PERFORMANCE AND TO MEET HIGHEST DEMANDS

König-mtm is one of the world's leading manufacturers of high-precision hydraulic and mechanical clamping equipment. We design, construct and produce clamping systems according to your individual quality requirements. Providing excellent performance and meeting or exceeding the challenge of the customer's highest demands is one of our main goals at König-mtm. Quality, safety and reliability are our top priorities. To achieve this, we work closely with our customers to offer unique solutions, tailored to your needs!

For example, a highly accurate hydraulic Königsdorn® for measuring an external gear is just one of many examples of how König-mtm develops and manufactures specific clamping solutions for customer applications. This clamping device is held between centers in the measuring machine. The external teeth of the component is inspected in the μm range. The challenge in this clamping example was the very thin-walled workpiece, which could not be clamped on the centric inner diameter due to its geometry. In cooperation with the customer, König-mtm developed a clamping solution in which clamping is carried out in the centrally offset intermediate spaces by means of an interrupted, accurately fitting, clamping collet.



Illustration 1: Clamping mandrel for measuring the external tooting

The workpiece is positioned outside the machine on the Königsdorn® and then pinned in position by means of the intermediate bushing. The actuating screw is screwed in by the operator using a hexagonal wrench. Here, two offset clamping points expand in the μm range and uniformly expand the clamping collet - the component is centered with high precision. For high, consistent measurement quality, this application guarantees a repeatability of less than or equal to 0.008 mm.



Illustration 2: Königsdorn® in assembled condition

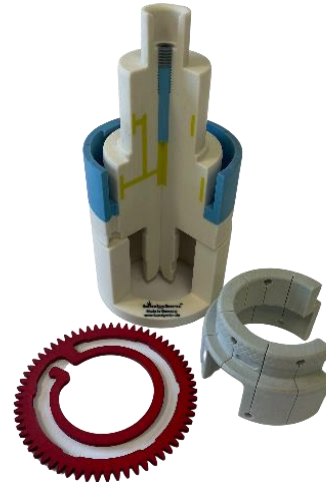


Illustration 3: Intermediate bushing and workpiece disassembled

This is just one of many examples of our customized, special solutions. Through continuous development of our products, consistent quality control and individual consultation with our customers, we offer customized and economical solutions for every task. We are continuously expanding our expertise - searching and finding solutions for our customers, and are always seeking new developments in the field of clamping technology.

Our application advisors are available for you and will be happy to advise you.



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