



Gauging kit for HSK tool holder taper with pneumatic measuring system.

Taper Air Jet Ring

Hard chrome plated with 2 measuring levels according to ISO 12164-1 in accordance with Sketch Nr. 1392 with hose 1.5 meters long and quick connect coupler for connection to the MSG measuring column.

Taper Master Plug

With calibration step, according to ISO 12164-1 in accordance with Sketch Nr. 1401, hardened and aged steel with international certification.

L5 Clamping Shoulder – Mechanical

For the measurement of the L5 according to ISO 12164-1 in accordance with Sketch Nr. 1421 includes master and dial indicator.

Pre-measurement device for the tool holder flange

HSK tool shank according to ISO 12164-1 and Sketch 1477 including gauge with indicator and certificate.

Key Gauges

Measures the size and radius of HSK tool holder drive keys. Complete set with case includes measuring ring with dial indicator, measuring gauge for lower deviation, measuring gauge for upper deviation, mean deviation and setting gauge for dial indicator. The setting gauge is placed into the gauge ring, and the dial indicator is set to zero. The measuring gauge 1 is then used to measure the lower deviation of the drive key, and the measuring gauge 2 the upper deviation.

Multifunctional Measuring Column

The Multifunctional Measuring and Control Device is designed for high precision and multifunctional capabilities. In



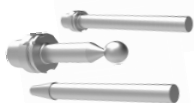
In addition to providing various ways for measuring input, it can be customized to meet customer requirements. The Program Designer software is available to allow for additional measuring devices.

- Gauging and controls by in-process and post-process
- Pneumatic and tactile measurement
- Minimal air consumption, while holding high measuring stability
- Easy to operate
- Adaptable to statistical process control software
- Ability to network MLS and MSG columns together with output going to one location

Preventive Maintenance Gauges

Dimensional Gauges, Balancing Masters, Coolant Supply Gauges, Center Height/Master Setting, Tool Changer Alignment Gauges, Machine Set-up Gauges. Also ask us about custom gauges and personalized solutions for your machine or machine tool.

Runout Test Arbors



Available for all major machine tapers, including CAT/DIN/BT Steep Taper, HSK, Capto, KM, Morse, and others.

Chuck Force Gauges



Measure chuck jaw clamping force at high speeds. Also available for other chuck measuring applications.

Drawbar Force Gauges



Measure tool clamping force to protect spindles and ensure machining accuracy.

Custom Machine Tool Gauges

Any gauge for any machine or machine tool.

