

Measuring Instrument for checking the symmetry of a keyseat

For many years, SCHWENK has been offering a wide variety of measuring instruments for checking the widths, distances, depths and diameters of grooves.

We have now added a new measuring instrument for checking the symmetry of the shaft keyseat to the shaft diameter.

With this instrument, a sliding block, which is especially adapted to the width of the keyseat, is inserted into the keyseat. Dimensional tolerances are evened out through a spring system integrated in the sliding block.



The following shaft keyseats according to DIN 6885-1 can be measured with one basic unit, but interchangeable sliding blocks:

For every shaft keyseat defined by DIN 6885-1 exists a suitable sliding block, by which the measuring instrument aligns itself in the keyseat.

After pre-setting the shaft diameter on the scale, the measuring instrument is inserted in the keyseat, the indicator is set to „0“, rotated by 180° and then re-inserted into the keyseat.

The value read on the indicator has to be divided by two in order to obtain the mismatch of the keyseat to the shaft.

