

Clamping force measuring instrument for HSK / SK clamping systems

The accuracy of the HSK connection does not only depend on the geometry but also on the drawing force of the HSK clamping system which plays an important part in ensuring a powerful and dimensionally accurate connection.

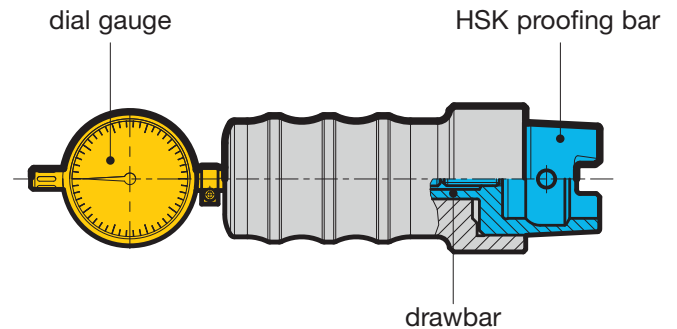
To ensure operational safety, a regular clamping force check of the HSK interface is recommended. An entirely mechanical clamping force measuring instrument is now available from Guhring. Its operation is based on components, which are linear adjustable in length and positioned proportional to the force. A force is associated with the alteration in length which is displayed via an analogue dial gauge.

Specifications::

- few components, therefore cost-efficient
- robust design
- battery or mains connection not required
- patented operating principle which is also adaptable to other spindle designs

Min. required pull forces for clamping systems

taper size HSK25	2.8 kN
taper size HSK32	5 kN
taper size HSK40	6.8 kN
taper size HSK50	11 kN
taper size HSK63	18 kN
taper size HSK80	28 kN
taper size HSK100	45 kN
taper size SK/BT30	6 kN
taper size SK/BT40	12 kN
taper size SK/BT50	25 kN



Clamping force measuring instrument

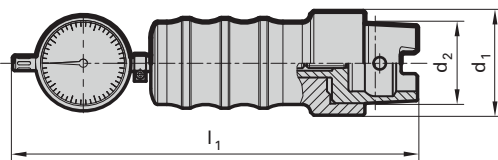
Product information

- mechanical clamping force inspection instrument for HSK / SK / BT* clamping systems in machine tool spindles

- calibration on request

Scope of delivery

- supplied in wooden case with inspection protocol, calibrated, with measuring instructions
- for SK order pull studs Guhring no. 4925, 4926 separately
- for BT* order shortened special pull studs separately



Series Number

4973

4974

HSK-A/C/E d ₁	ISO taper/BT*	d ₂ mm	l ₁ mm	EDP Numbers	EDP Numbers
—	30	32	216	9049730300000	—
—	40	44	248	9049730400000	—
—	50	69	285	9049730500000	—
25	—	19	187	—	9049740190000
32	—	24	192	—	9049740240000
40	—	30	196	—	9049740300000
50	—	38	203	—	9049740380000
63	—	48	235	—	9049740480000
80	—	60	250	—	9049740600000
100	—	75	260	—	9049740750000