

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 Gühring. Its operation is based on components, which are linear adjustable in length and positioned proportional to the force.

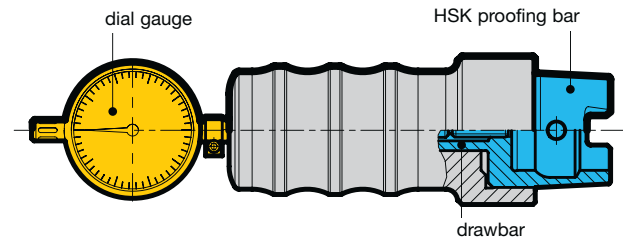
A force is associated with the alteration in length which is displayed via an analogue dial gauge.

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/BT/CAT30	6 kN
taper size SK/BT/CAT40	12 kN
taper size SK/BT/CAT50	25 kN



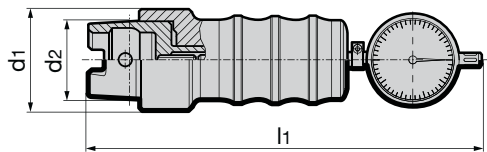
Clamping force measuring instrument

Product information

- mechanical clamping force inspection instrument for HSK/SK/BT/CAT clamping systems in machine tool spindles
- calibration on request

Scope of delivery

- supplied in wooden case with inspection protocol, calibrated, with measuring instructions
- order pull studs separately



Series no.					4973	4974
HSK-A/C/E d1	HSK-B/D/F d1	ISO taper/ BT/CAT	d2 mm	l1 mm	EDP Number	EDP Number
		30	32	216	9049730300000	
		40	44	248	9049730400000	
		50	69	285	9049730500000	
25	-	-	19	187		9049740190000
32	40	-	24	192		9049740240000
40	50	-	30	196		9049740300000
50	63	-	38	203		9049740380000
63	80	-	48	235		9049740480000
80	100	-	60	250		9049740600000
100	125	-	75	260		9049740750000