

Ball end spindle runout test arbors are ideal for checking 5-axis machines.

A test certificate is included. Nominal accuracy is better than 0.005mm (5 microns).

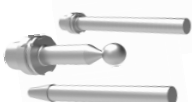
A storage case is included.

Description	L	D	Order Number
HSK-A/C/E 32	150	30	466.132.030.150
HSK-A/C/E 40	150	30	466.140.030.150
HSK-A/C/E 50	150	30	466.150.030.150
HSK-A/C/E 63	150	30	466.163.030.150
HSK-A/C/E 63	200	30	466.163.030.200
HSK-A/C/E 100	150	30	466.190.030.150
HSK-A/C/E 100	200	30	466.190.030.200
HSK-F 63	150	30	466.663.030.150

### 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.

