



This critical element – the tool clamping force – is often never measured after a machine is put into service. Regular verification allows problems such as broken springs or incorrect stroke to be detected early so maintenance and repairs can be scheduled. As a result, emergencies and unexpected downtime can be avoided. When troubleshooting, drawbar performance can be quickly verified.

Description		Part Number
HSK-A/C/E 32		461.200.132.000
HSK-A/C/E 40	HSK-B/D/F 50	461.200.140.000
HSK-A/C/E 50	HSK-B/D/F 63	461.200.150.000
HSK-A/C/E 63	HSK-B/D/F 80	461.200.163.000
HSK-A/C/E 80	HSK-B/D/F 100	461.200.180.000
HSK-A/C/E 100	HSK-B/D/F 125	461.200.190.000
HSK-A/C/E 125		461.200.192.000
HSK-A/C/E 160		461.200.196.000
Steep Taper (BT) 30		461.200.730.000
Steep Taper (BT) 40		461.200.740.000
Steep Taper (BT) 50		461.200.750.000
Steep Taper (DIN) 30		461.200.830.000
Steep Taper (DIN) 40		461.200.840.000
Steep Taper (DIN) 45		461.200.845.000



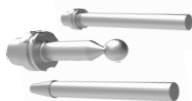
Description	Part Number
Steep Taper (DIN) 50	461.200.850.000
Steep Taper (DIN) 60	461.200.860.000
Steep Taper (CAT/ANSI) 30	461.200.930.000
Steep Taper (CAT/ANSI) 40	461.200.940.000
Steep Taper (CAT/ANSI) 45	461.200.945.000
Steep Taper (CAT/ANSI) 50	461.200.950.000
Steep Taper (CAT/ANSI) 60	461.200.960.000
Steep Taper (ISO) 10	461.200.A10.000
Steep Taper (ISO) 20	461.200.A20.000
Steep Taper (ISO) 25	461.200.A25.000
ForceCheck Base Set	461.310.000.000

ForceCheck adapters are available for CAT/DIN/BT/ISO Steep Tapers from 10 to 60, HSK sizes from 25 to 160, Capto, KM, and other tapers.

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.

