



# System II Adaptive Drawbar Dynamometer

- Detect inadequate retention force in seconds without disassembling drawbar
- Modular components fit most machining centers
- Ensure original machine performance
- Maximize tool life, spindle life, and system rigidity
- Combat toolholder shank fretting
- For all 30, 35, 40, 45 & 50 steep taper machining centers (requiring retention knobs) and HSK40A, HSK40E, HSK50A, HSK63A, HSK100A, and HSK63F
- Not for use with screw type drawbar mechanisms
- Includes carrying case

## // PRECISION MAINTENANCE TOOL

Provides accurate drawbar force measurements on steep taper (CAT, BT, DIN, etc.) and HSK machining centers. Verifies the machine's drawbar performance against the manufacturers' specifications or from readings taken when the machine was new to ensure optimum cutting tool performance.

## // FAST PERFORMANCE

Quickly identifies if retention force losses are at fault when poor surface finishes appear or when tool performance deteriorates.

## // SIMPLE OPERATION

Operation is fast and easy. Simply attach the taper adapter and retention knob adapter, screw in a retention knob, and install it in your spindle like an ordinary toolholder. The load cell is stretched by the machine's drawbar. This stretch is measured electronically and is instantly displayed on the digital readout. Spring deterioration or maladjustment can be detected in no time. No costly disassembly. No machine downtime.

## // SERVICES ENTIRE MACHINE SHOP

A compact load cell with an electronic display and a family of taper adapters combine to make a single measuring unit that can service an entire machine shop employing a variety of machining centers.

## // CONVENIENT DISPLAY

Features standard 0-10,000 lb. range, large easy-to-read digital display, auto-off feature, and touch sensitive buttons sealed for dust-proof operation.

## // 1000 HOURS OPERATION

Operates on two 9 volt batteries for up to 1000 hours continuous operation. Calibration data is stored on a non-volatile memory chip — no programming to enter, no data to remember.

## // CUSTOM CALIBRATION AVAILABLE

Standard calibration is 0-10,000 pounds. Can be custom calibrated. Call factory for quote.





# System II Adaptive Drawbar Dynamometer Kits & Accessories

## // DYNAMOMETER KIT

### GDKT-0001

System II™ Adaptive Drawbar Dynamometer Kit  
Includes: Dynamometer, Case, all taper & all V & BT retention knob adapters. HSK & DIN Adapters are sold separately.



## // DYNAMOMETER

### GDAT-0001

System II™ Adaptive Drawbar Dynamometer  
Includes: Dynamometer and Case. All adapters are sold separately.



## // DYNAMOMETER ADAPTERS



Part No.	Description
<b>XDTA-0002</b>	30 Taper adapter sleeve
<b>XDTA-0003</b>	35 Taper adapter sleeve
<b>XDTA-0004</b>	40 Taper adapter sleeve
<b>XDTA-0005</b>	45 Taper adapter sleeve
<b>XDTA-0006</b>	50 Taper adapter sleeve
<b>XDFA-0040</b>	HSK40A/E Flange adapter
<b>XDTA-0040</b>	HSK40A/E Drawbar adapter
<b>XDFA-0050</b>	HSK50A/HSK63F Flange adapter
<b>XDTA-0050</b>	HSK50A/HSK63F Drawbar adapter
<b>XDFA-0063</b>	HSK63A Flange adapter
<b>XDTA-0063</b>	HSK63A Drawbar adapter
<b>XDFA-0100</b>	HSK100A Flange adapter
<b>XDTA-0100</b>	HSK100A Drawbar adapter
<b>XDNA-0006</b>	XDNA NMTB adapter

Part No.	Description
<b>XDBA-0002</b>	BT 30 Retention knob adapter
<b>XDCA-0002</b>	CT 30 Retention knob adapter
<b>XDBA-0003</b>	BT 35 Retention knob adapter
<b>XDBA-0004</b>	BT 40 Retention knob adapter
<b>XDCA-0004</b>	CT 40 Retention knob adapter
<b>XDBA-0005</b>	BT 45 Retention knob adapter
<b>XDCA-0005</b>	CT 45 Retention knob adapter
<b>XDBA-0006</b>	BT 50 Retention knob adapter
<b>XDCA-0006</b>	CT 50 Retention knob adapter
<b>XDDA-0002</b>	DIN69872 30 Taper retention knob adapter
<b>XDDA-0004</b>	DIN69872 40 Taper retention knob adapter
<b>XDDA-0006</b>	DIN69872 50 Taper retention knob adapter
<b>XDCS-0001</b>	Replacement carrying case
<b>XDRP-0001</b>	Retention knob pallet (optional) Holds retention knobs inside case

Call Command Customer Service for adapter price and availability.