

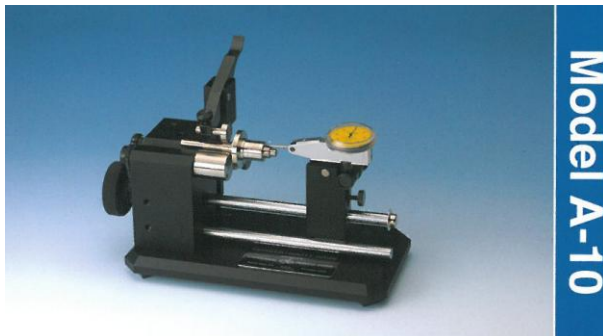
# Concentricity Gaging System

Accurate and reliable measurements are a key factor in today's competitive manufacturing environment.

Universal's patented Concentricity Gaging Systems offer less than 2 microns accuracy that has proven results in a variety of industrial applications. Continuous improvements to its modular design adapts to customer requirements and provides the flexibility necessary for maintaining quality.

- 1) Adjustable multi-position top arm yoke assembly offers a variety of clamping pressures and positions to accommodate a range of part diameter sizes.
- 2) All Standard Indicator Carriers have fine adjustment screws that provide accurate indicator probe positioning, zeroing and provide smooth indicator movement to increase measuring performance and accuracy.
- 3) All gages come standard with a manual Drive Timing Belt Pulleys System that provides a constant smooth part rotation when inspecting. (Optional) 110/220 volts AC/DC fixed speed or variable speed motorized drive systems are available. This gage system utilizes four simple features
- 4) All carriers offer a variety of positions that rotate along the -Z- axis of the carrier rod assembly. The carrier lifts 90 degrees to facilitate easy loading and unloading of parts.

## Model A-10



### A-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

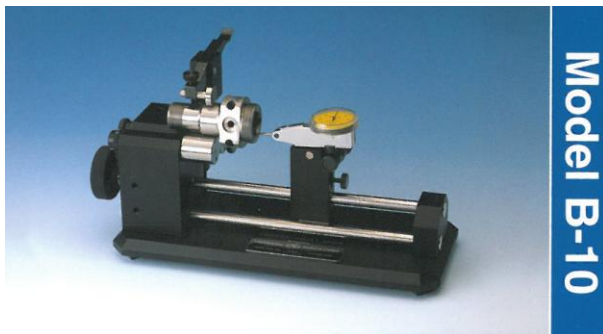
Part Lengths: Up to 3" (76mm)

Gage Length: 8.5" (216mm)

Gage Width: 4.5" (114mm)

Shipping Weight: 4.5lb. (2.0kg.)

## Model B-10



### B-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

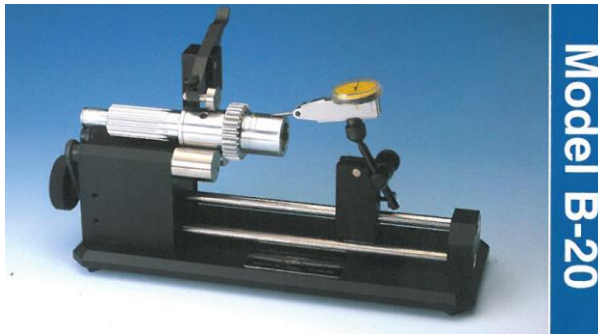
Part Lengths: Up to 4" (102mm)

Gage Length: 10.5" (267mm)

Gage Width: 4.5" (114mm)

Shipping Weight: 4.9lb. (2.2kg.)

## Model B-20



### **B-20 Model**

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to 6" (152mm)  
Gage Length: 12.5" (318mm)  
Gage Width: 4.5" (114mm)  
Shipping Weight: 6.4lb. (2.9kg.)

## Model B-40



### **B-40 Model**

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to 8" (203mm)  
Gage Length: 14.5" (368mm)  
Gage Width: 6" (152mm)  
Shipping Weight: 11.2lb. (5.1kg.)

## Model E



### **E-10 Model**

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to a 4" (102mm)  
Shipping Weight: 4.91b. (2.2kg.)

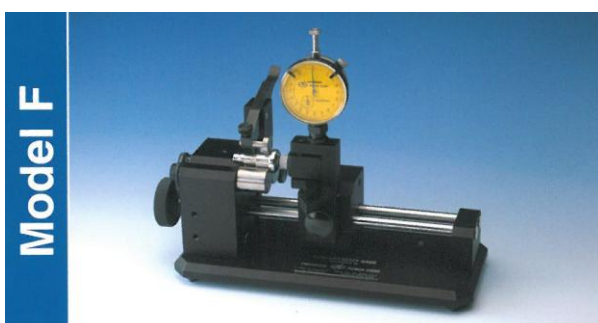
### **E-20 Model**

Part Lengths: Up to a 6" (152mm)  
Shipping Weight: 6.41b. (2.9kg.)

### **E-40 Model**

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to a 8" (203mm).  
Shipping Weight: 11.21b. (5.14.)

## Model F



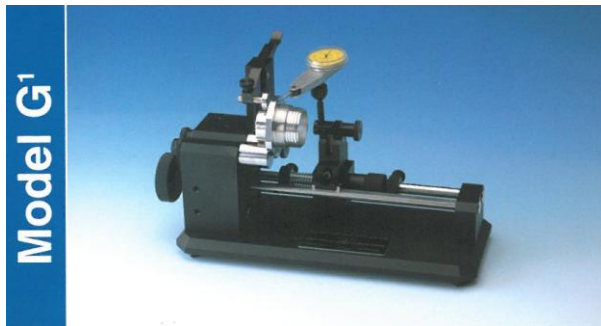
### **F-10 Model**

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to a 4" (102mm)  
Shipping Weight: 4.9lb. (2.2kg.)

### **F20 Model**

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to a 6" (152mm)  
Shipping Weig .6,4lb. (2.9kg.)

## Model G1



### G1-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to a 4" (102mm)

Shipping Weight: 4.9lb. (2.2kg.)

### G1 20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to a 6" (152mm)

Shipping Weight: 6.4lb. (2.9kg.)

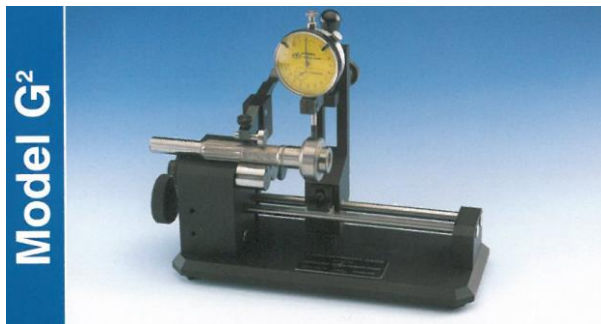
### G1-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to a 8" (203mm)

Shipping Weight: 11.2lb. (5.1kg.)

## Model G2



### G2-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to a 4" (102mm)

Shipping Weight: 4.9lb. 2kg.)

### G2-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to a 6" (152mm)

Shipping Weight: 6.4lb. (2.9kg.)

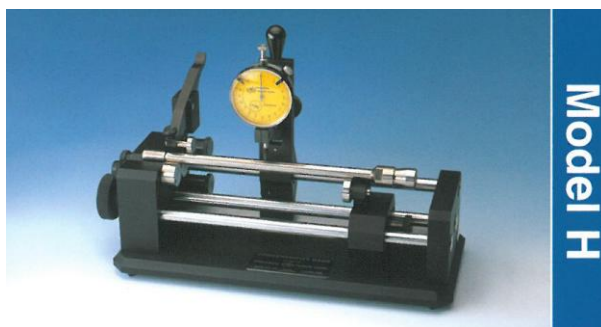
### G2-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to a 8" (203mm)

Shipping Weight: 11.2lb. (5.1kg.)

## Model H



### H-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 12" (305mm)

Shipping Weight: 7.5 lb. (3.4kg.)

### H-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 12" (305mm)

Shipping Weight: 8.51b. (3.9kg.)

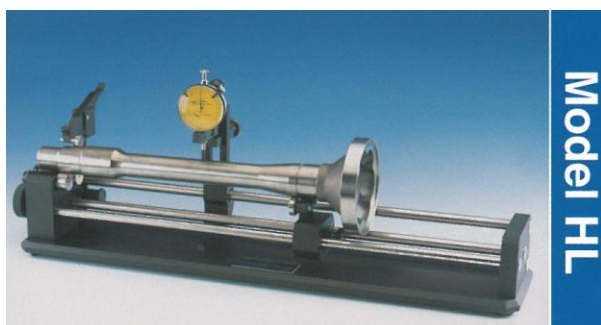
### H-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to a 12" (305mm)

Shipping Weight: 11.21b. (5.1kg.)

## Model HL



### HL-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 24" (610mm)

Shipping Weight: 24.5lb. (11.1kg.)

### HL20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 24" (610mm)

Shipping Weight: 26.5lb. (12kg.)

### HL-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths. Up to a 24" (610mm)

Shipping Weight: 18.5lb. (8.4kg. )

## Model J



### JLS-10, JLP-10, J-10 Models

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to a 4" (102mm)  
Shipping Weight: 4.5lb. (2.2kg.)

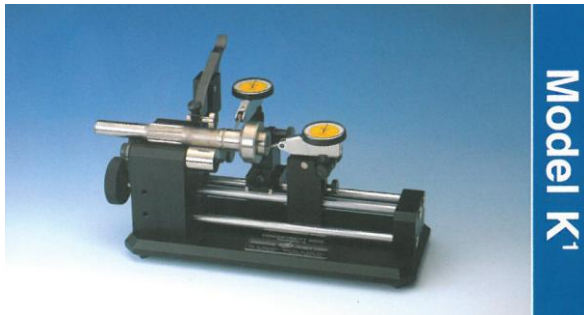
### J-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to a 6" (152mm)  
Shipping Weight: 4.4lb. (2.0kg.)

### J-40 Model

Part Diameters: 1/4" to 4" (20mm to 102mm)  
Part Lengths: Up to a 8" (203mm)  
Shipping Weight: 9.2lb. (4.2kg.)

## Model K1



### K1-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to a 4" (102mm)  
Shipping Weight: 11.5lb. (5.2kg.)

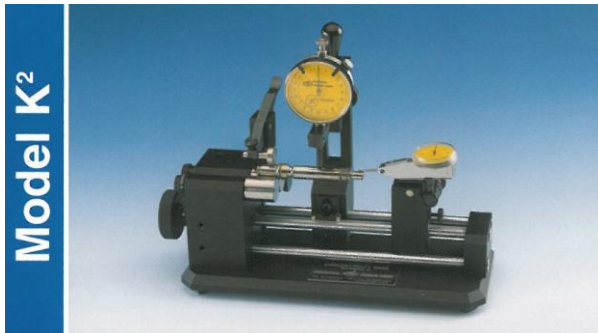
### K1-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to a 6" (152mm)  
Shipping Weight: 14.8lb. (6.8kg.)

### K1-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to a 8" (203mm)  
Shipping Weight: 11.5lb. (5.2kg.)

## Model K2



### K2-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 4" (102mm)  
Shipping Weight: 4.9lb. (2.2kg.)

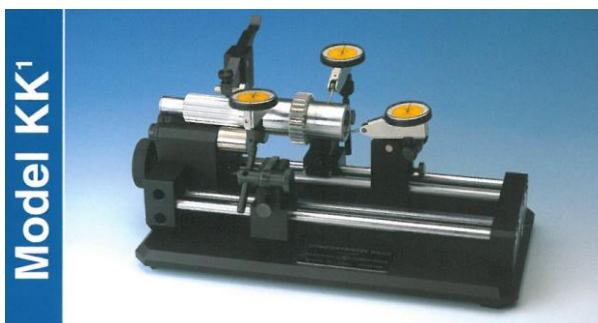
### K-20 Model

Part Diameters: 3/8" to 2" (10mm to 50mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 14.8lb. (6.8kg.)

### K2-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to 8" (203mm)  
Shipping Weight: 11.2lb. (5.1kg.)

## Model KK1



### KK1-10 Model

Part Diameters: 1/8" to 1" (3mm to 25mm)  
Part Lengths: Up to 4" (102mm)  
Shipping Weight: 4.91lb. (2.2kg.)

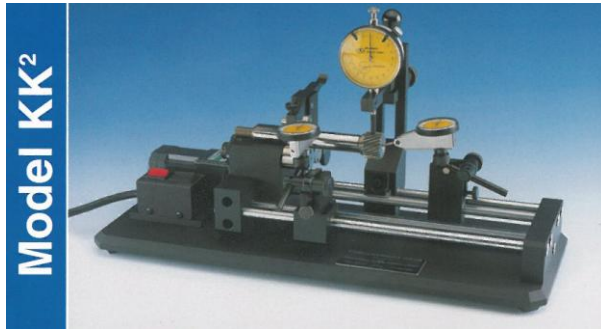
### KK1 -20 Model

Part Diameters: 3/8" to 10mm to 50mm)  
Part Lengths: Up to 6" (152mm)  
Shipping Weight: 14.8lb. (6.8kg.)

### KK1-40 Model

Part Diameters: 3/4" to 4" (20mm to 102mm)  
Part Lengths: Up to 8" (203mm)  
Shipping Weight: 18.51lb. (8.4kg.)

## Model KK2



### **KK2-10 Model**

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 4" (102mm)

Shipping Weight: 4.9lb. (2.2kg.)

### **KK2-20 Model**

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to 6" (152mm)

Shipping Weight: 14.8lb. (6.8kg.)

### **KK2-40 Model**

Part Diameters: 3/4" to 4" (20mm to 102mm)

Part Lengths: Up to 8" (203mm)

Shipping Weight: 18.5lb. (8.4kg.)

(Optional Motorized Drive Unit Shown)

## Model LG



### **LG-10, LGM-10 Models**

Part Diameters: 1/8" to 1" (3mm to 25mm)

Part Lengths: Up to 6" (152mm)

Shipping Weight: 3.51lb. (1.6kg.)

### **LG-20, LGM-20 Models**

Part Diameters: 3/8" to 2" (10mm to 50mm)

Part Lengths: Up to a 6" (152mm)

Shipping Weight: 4.41lb. (2.0kg.)

(Optional Stepping Motorized Drive Unit Available)

## Main Rollers Selection



## Top Rollers Selection

