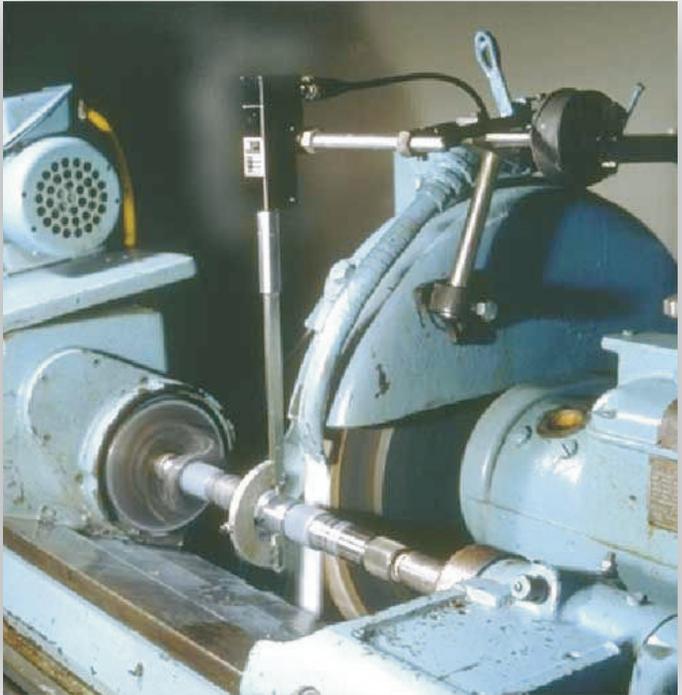


# 401E 401EX

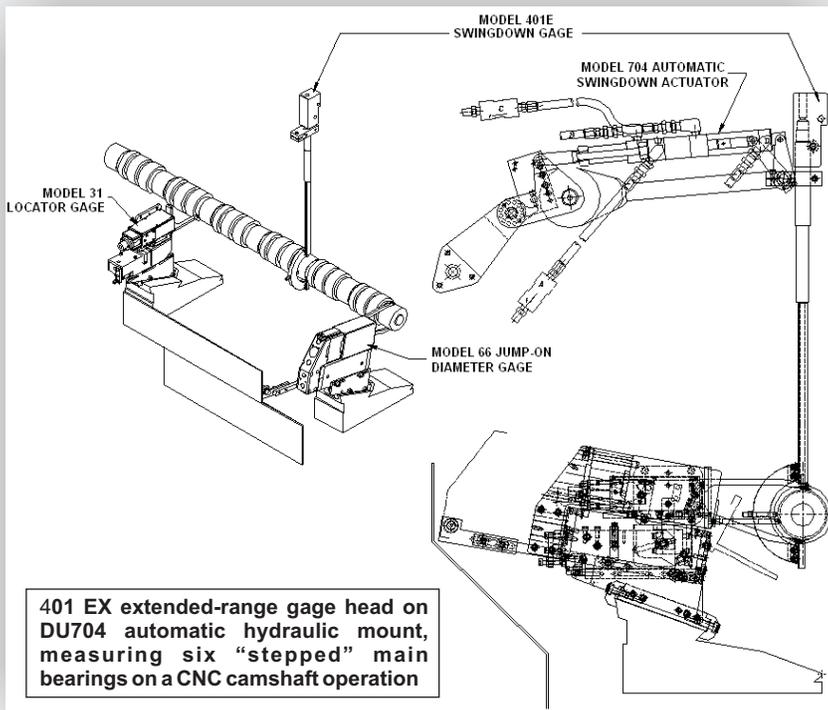


## Model 401E & EX Swingdown Gage Heads

From simple grinder retrofits to multi-diameter applications, 401E gages fill special needs



The Model 401E and 401EX caliper-style “swingdown” gages provide automatic grinder control based on real-time workpiece size. Applications range from the simplest, least expensive single diameter grind to more challenging situations where the overhead mount, narrow caliper or multi-diameter range can provide important advantages over table-mounted gage types.



- ✓ Low cost automatic size control for grinders
- ✓ .001mm/.000040” repeatability
- ✓ Manual or automatic
- ✓ Use with D100 or D500 Gage Controller
- ✓ Multi-diameter capability

The 401E is a simple and very cost-effective in-process grinding gage. It is typically applied by hand for controlling size of a single diameter, but may also be used in automated systems where table mounting space is limited.

The 401EX is an extended range version of the 401E head that can automatically measure multiple diameters over a range of 3.8mm (.150”). The 401EX is typically used to control size on workpieces with small differences between the diameters, such as on camshaft main bearings.

**TAKE CONTROL & SAVE MONEY**

Control Gaging Incorporated

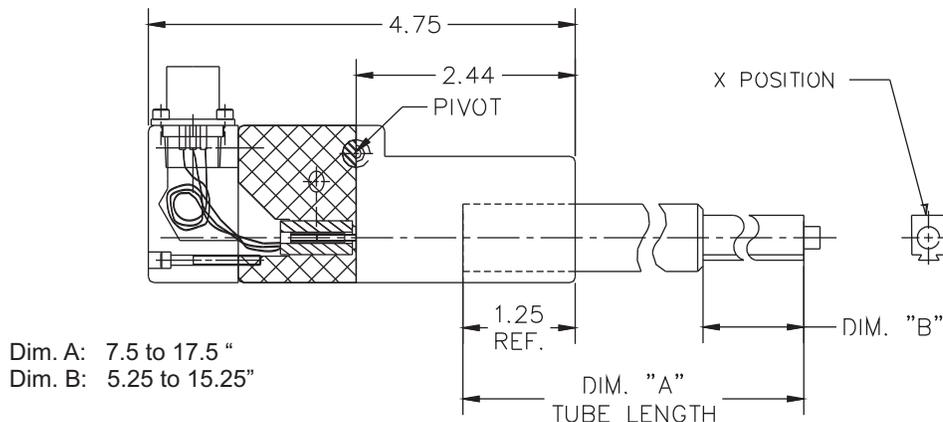
5200 Venture Dr. Ann Arbor, Michigan 48108  
www.controlgaging.com

Phone: +1 734.668.6750 Fax: +1 734.994.1335  
Email: sales@controlgaging.com

# 401E 401EX



## Model 401E and 401EX Gage Head Dimensions



### Calipers:

#### Standard wide-range adjustable calipers:

.37" to 3.0"

1.75" to 6.0"

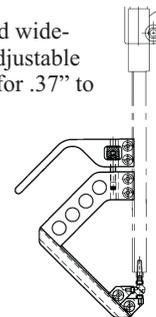
#### Other adjustable calipers:

1.0" ranges to 12" and larger - inquire

#### Interrupted surface calipers:

up to 6" in exact size

Standard wide-range adjustable caliper for .37" to 3.0"



### Technical Specifications:

**Workpiece size range:** .37" to 6.0" standard; larger sizes inquire

**Useable measuring range:** 401E .075"  
(smooth only) 401EX .150"

**Surface type:** Smooth and interrupted

**Repeatability:** .001mm/.000040" @ 5.15 sigma

**Contact/Caliper Force:** 1.6 lbs at contact tips

**Weight:** 1.56 lbs (Dim. A = 11.5")

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