

The DiaMetric™ follower system enables advanced manufacturers to obtain 5 times greater accuracy, achieving submicron performance levels of $\pm .2 \mu\text{m}$ when measuring diameters on their existing Adcole 911 gage¹. Using the DiaMetric follower system, organizations can confidently measure concentric diameters on camshaft and crankshaft journals, eccentric shafts, robotic shafts and electric motor rotors with tolerances of $<10 \mu\text{m}$. In addition, manufacturers are able to maintain absolute diameter accuracies with fewer gage

calibrations. Furthermore, the DiaMetric follower system upgrade enables operators with basic skills the ability to consistently measure high value, tighter diameter tolerance parts.

The DiaMetric follower system is ideal for measuring concentric diameter features on:

- Electric Motor Rotors
- Robotic Shafts
- Eccentric Shafts
- Camshaft Journals
- Crankshaft Journals

Features:

- Provides extremely accurate concentric diameter measurements of parts with tolerances of $<10 \mu\text{m}$
- Enhances functionality of existing 911 gage
- Includes rapid installation with minimal gage downtime
- Adds value to the quality assurance process
- Enables manufacturers to easily upgrade your existing 911 gage to improve diameter measurement accuracy

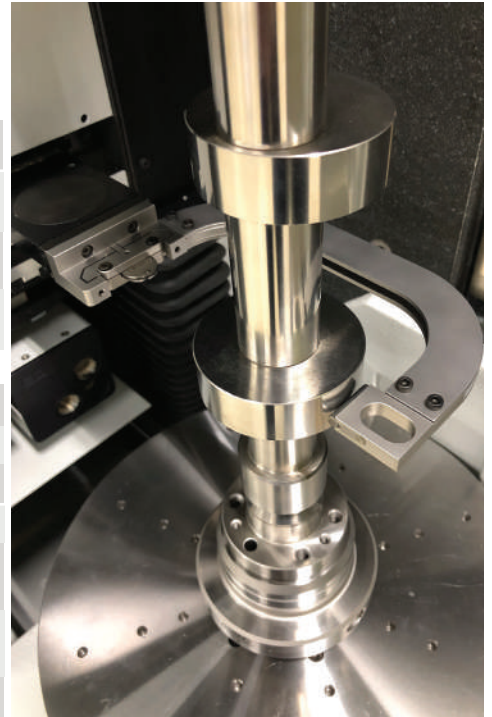
Benefits:

- Extends submicron diameter accuracy ($\pm .2 \mu\text{m}$) and repeatability for tighter diameter measurement tolerances
- Offers an affordable means to significantly improve diameter data using your existing 911 gage
- Enables operators to easily calibrate the gage without special metrology skills
- Allows manufacturers to consistently measure parts with a significant reduction in gage calibration, by eliminating 2 major variables that can contribute to measurement errors

Model 911 DiaMetric Follower System Specifications

Gage Model	Maximum Part Diameter
911-24	100 mm
911-36	119 mm
911-36 Wide Body	155 mm

Accuracy Specifications	Radial Accuracy ⁱ	$\pm 0.2 \mu\text{m}$
	Radial Resolution ⁱⁱ	$0.016 \mu\text{m}$
	Angular Resolution	0.00001°
General Specifications	Axis of Rotation	Vertical
	Follower Travel	Radial 120mm – 155mm (4.72 - 6.10")
	Swing Diameter ⁱⁱⁱ	190mm- 311mm (7.5 - 12.25")
	Part Weight	341 kg (750 lb)



Adcole Machine Support

Adcole machine support is provided by a factory trained field service team that is backed by 50 years of industry experience and ISO 9000 certification. Machine and application support, machine retrofit and upgrade services, plus part inspection and gage recertification services are offered to our global customer base. Adcole's support regions include Japan, Korea, China, Brazil, Mexico, India, Europe and North America. Regular and after hours email and phone support is available 8am-11pm EST.

^{i, ii} Temperature 20±1 C°, Relative Humidity 40%-60%, Pressure 86KPa-106KPa

ⁱⁱⁱ Larger swing diameter is available in the Model 911 wide body gage. Ask your sales representative for details.