



Unique Products • Innovative Solutions

## Introducing the New Flexbar-Bocchi Uni-Cal™ UNIVERSAL COMPARATOR GAGE SYSTEM

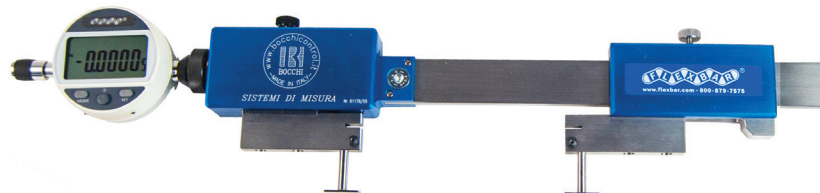


This highly versatile modular gaging system accommodates a wide range of internal and external measurements with ranges up to 40"/1000mm. The system's standard adjustable, spring loaded measuring beam with constant measuring pressure can accept a range of interchangeable measuring jaws, contacts and depth stops. Use with any 0-1/2"/12.5mm digital or dial indicator. Anvil travel range is 0.393"/10mm.

System shown above with 2"/50mm length jaws, flat contacts and depth stops for internal measurement. Shown left with ball contacts for external measurements.



Shown right: Uni-Cal™ Gage with clamping adapters and set of Groove Contacts for both internal and external measurements.



Left: Uni-Cal™ Gage with set of Inside Measuring Contacts shown in use with Flexbar 12" Calibration Master No. 15930 for quick and accurate setting of gage.

Build A System Tailored to Your Measurement Applications:

### I. BASE UNIT FLEXBAR-BOCCHI UNI-CAL™ AVAILABLE IN 3 MODELS\*:



MODEL NO.	INTERNAL MEASURING RANGE	EXTERNAL MEASURING RANGE	WEIGHT
19488	2-12" / 25-300mm	0-12" / 0-300mm	1.5lb. / 0,7kg.
19490	2-20" / 25-500mm	0-20" / 0-500mm	2.6lb. / 1,2kg.
19490-XL	2-40" / 25-1000mm	0-40" / 0-1000mm	4.85lb. / 2,2kg.

\* Base Unit does not include Indicator, Clamp-On Accessories or Contact Points. Order separately. Next page.

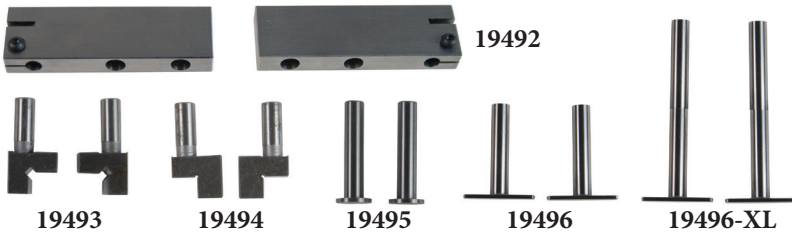
\*\* - accepts indicators with 3/8" dia. stem or 8mm dia. (with included bushing).



# Uni-Cal™ UNIVERSAL COMPARATOR GAGE SYSTEM

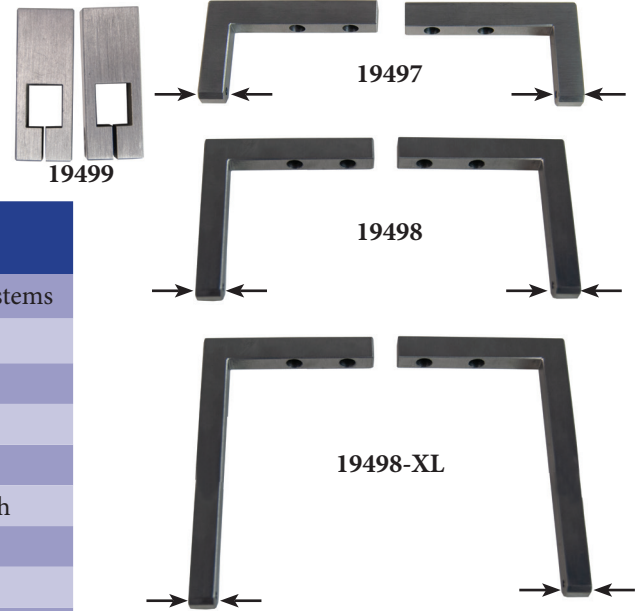
## II. Uni-Cal™ Clamp-On Accessories:

### A. Clamping Adaptors, and contacts with 5mm dia. stem



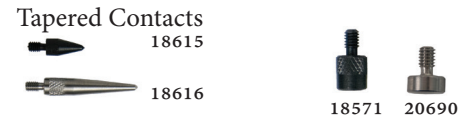
MODEL NO.	DESCRIPTION
19492	Set of Clamping Adaptors for measuring contacts with 5mm dia. stems
19493	Set of Outside Dia. Measuring Contacts with 5mm dia. stem
19494	Set of Inside Dia. Measuring Contacts with 5mm dia. stem
19495	Set of Groove Contacts, 1"/25mm L for up to 2mm groove depth
19496	Set of Groove Contacts, 1"/25mm L, for up to 7mm groove depth
19496-XL	Set of Groove Contacts, 2.4"/60mm L, for up to 7mm groove depth
19497	Set of Jaws, 1"/25mm Length for 4-48 threaded contacts
19498	Set of Jaws, 2"/50mm Length for 4-48 threaded contacts
19498-XL	Set of Jaws, 4"/100mm Length for 4-48 threaded contacts
19499	Set of Adjustable Depth Stops for 19497/19498/19498-XL

### B. Jaw Attachments with internal and external 4-48 threads for accessory contact points



## III. Accessory Contacts(4-48 Thread) For Use with Jaw Attachments 19497/19498 and 19498-XL:

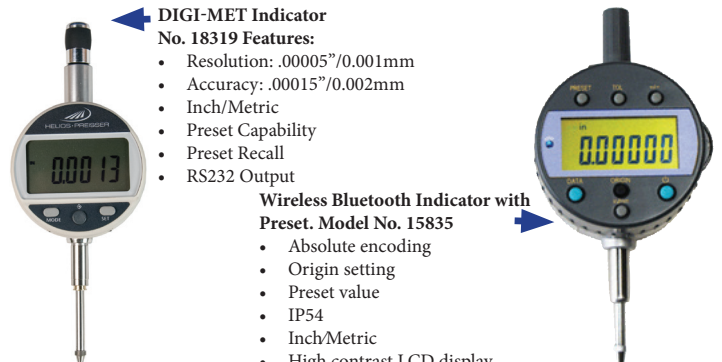
MODEL NO.	DESCRIPTION (One Each)
18566	Radius Contact
18567	Chisel Point Contact
18568	Offset Chisel Point Contact
18589	Stem, .120" Length
18592	1/8" Dia. Steel Ball
18594	1/4" Dia. Steel Ball
18595	5/16" Dia. Cone Point



MODEL NO.	DESCRIPTION (One Each)
18615	Tapered Contact 1 <sup>3</sup> / <sub>32</sub> "
18616	Tapered Contact 1"
18571	Flat Contact, .25"L
20690	Flat Contact, .25"W

## IV. Digital Indicators for Uni-Cal™ System:

MODEL NO.	DESCRIPTION
15835	0-1/2" / 12,5mm Bluetooth Indicator, 0.00005" / 0,001mm Reading
18319	0-1/2" / 12,5mm DIGI-MET Electronic Indicator, 0.00005" / 0,001mm Reading



### DIGI-MET Indicator

- No. 18319 Features:**
- Resolution: .00005"/0.001mm
  - Accuracy: .00015"/0.002mm
  - Inch/Metric
  - Preset Capability
  - Preset Recall
  - RS232 Output

### Wireless Bluetooth Indicator with Preset. Model No. 15835

- Absolute encoding
- Origin setting
- Preset value
- IP54
- Inch/Metric
- High contrast LCD display
- Face rotation up to 330°

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