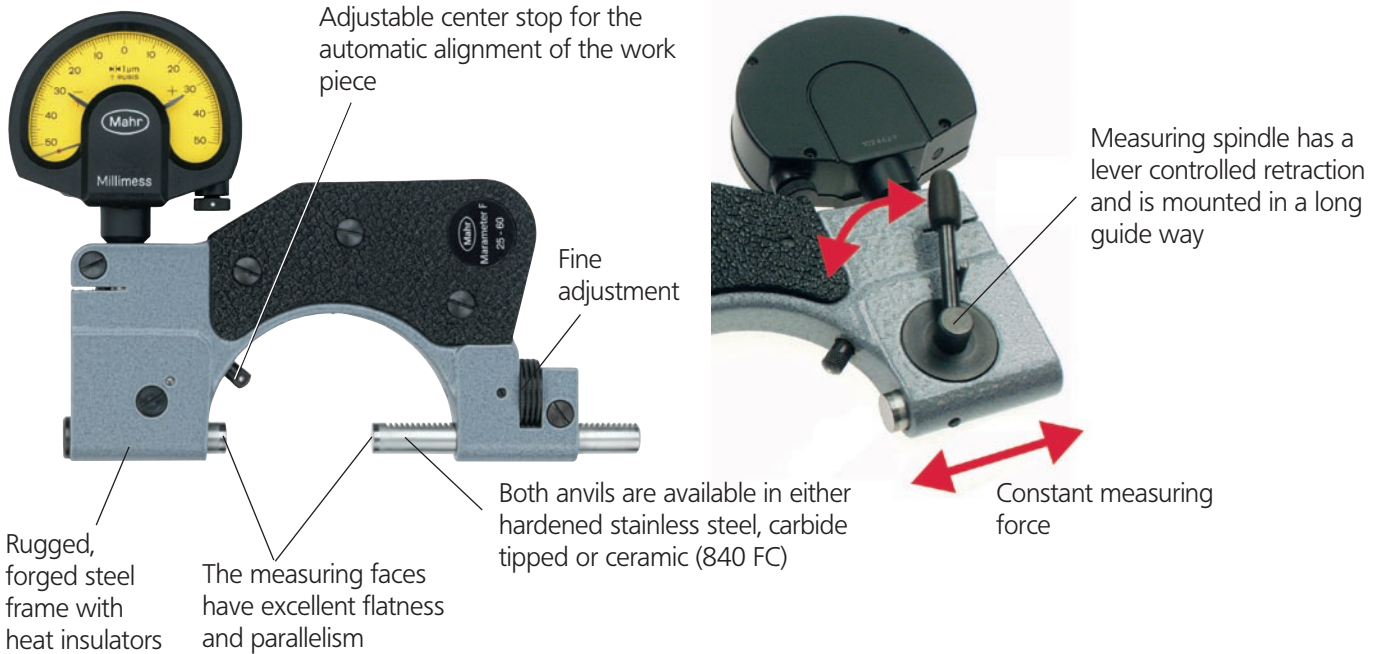


## MaraMeter. Indicating Snap Gages

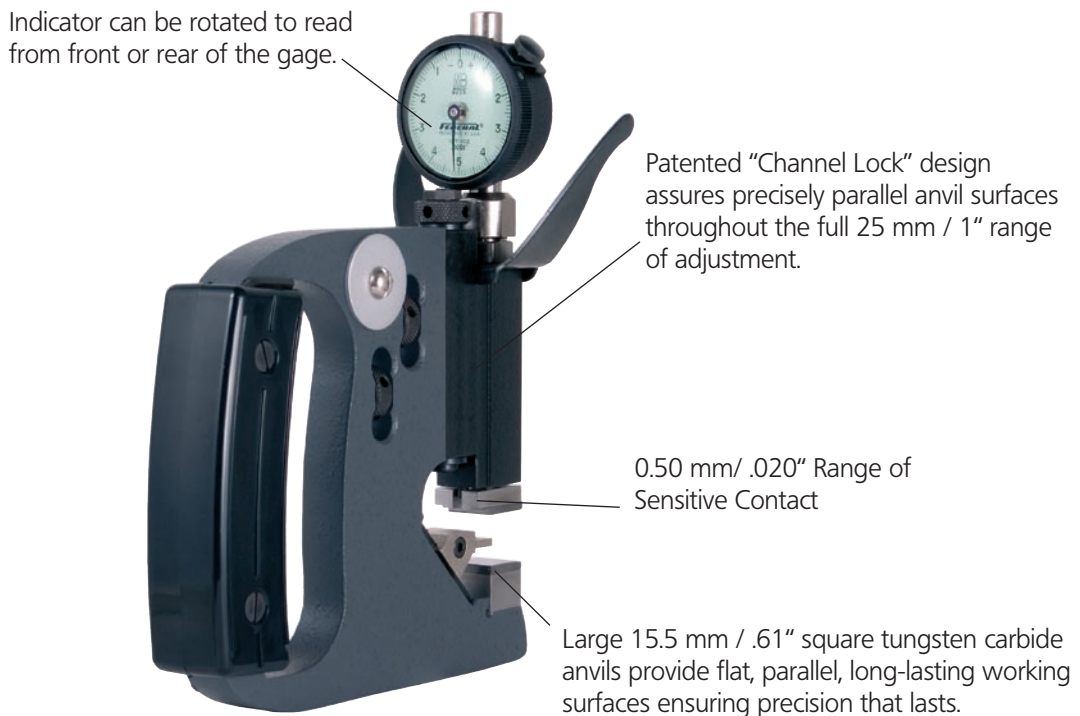
### Overview

▶ | **MaraMeter.** The Indicating Snap Gage is ideal for highly accurate and reliable results on cylindrical work pieces with a narrow tolerance. ◀

#### MaraMeter 840 F



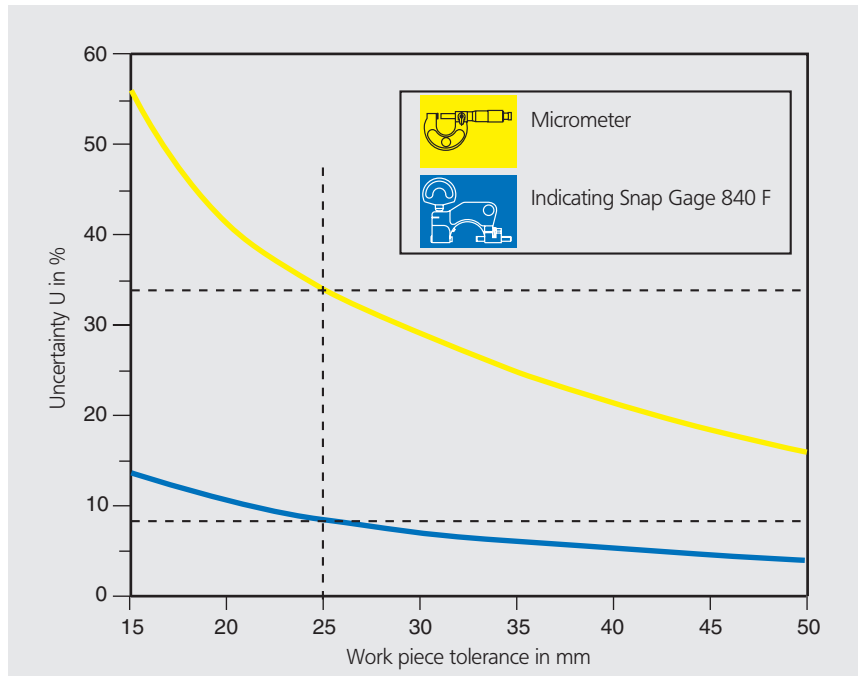
#### MaraMeter 300 P-1



## Advantages of the Snap Gage compared to a Micrometer

### • Reduced Measuring Uncertainty

The MaraMeter Indicating Snap Gages have a notably reduced measuring uncertainty in comparison to a Micrometer.



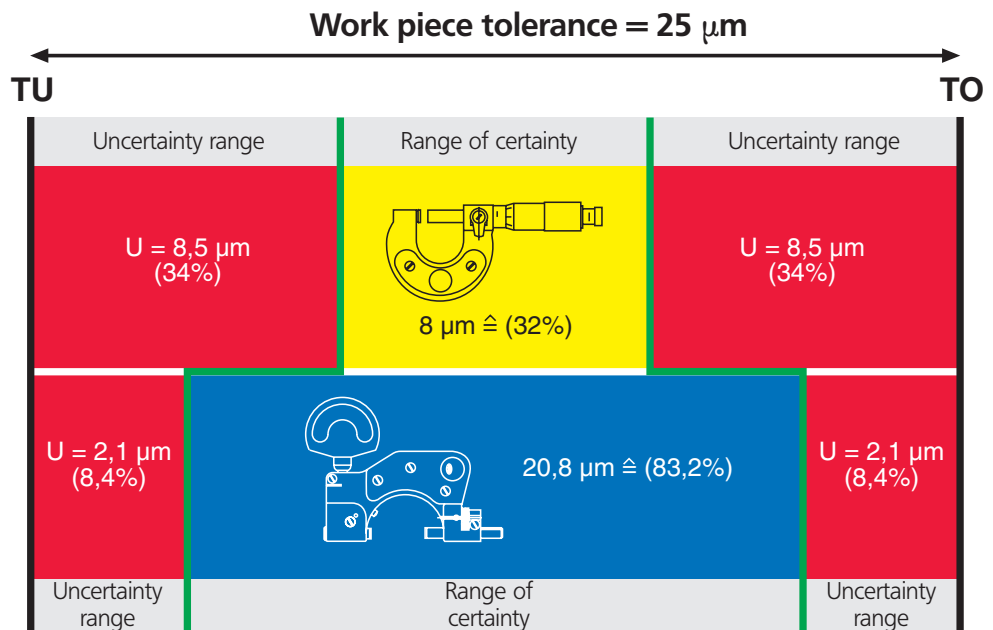
Measuring Uncertainty U is dependent upon the tolerance of the work piece

### • Better utilization of the tolerance zone

Example:  
Work piece tolerance 25 μm

The measured value in the uncertainty range can lie outside of the tolerance range, therefore the utilized tolerance of the micrometer is reduced to only 32% (8 μm).

With a MaraMeter Indicating Snap Gage 83% (20.8 μm) of the work piece tolerance can be utilized.

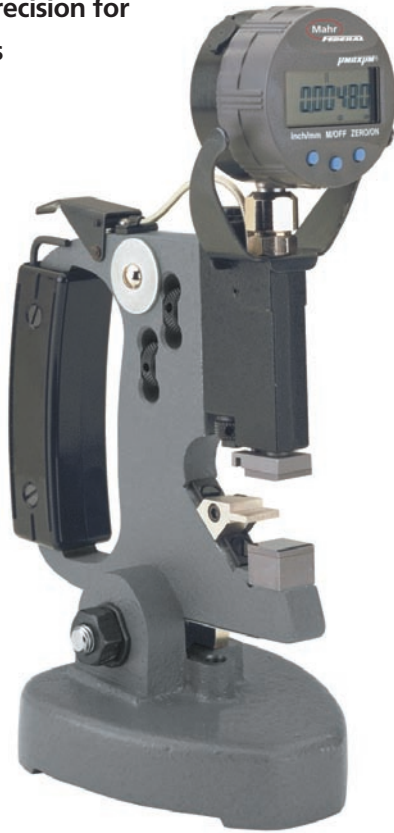


### Advantage:

With the Indicating Snap Gage the tolerance zone can be used to far greater extent, thus reducing the production costs.

## Snap Gages for Outside Diameters 300P

Superior precision for  
O.D. checks



**EDI-301P-1**  
BA-26 Bench Stand (not included)

### Features

- Patented "Channel Lock" design assures precisely parallel anvil surfaces throughout the full 25 mm / 1" range of adjustment.
- All Series 300P Snap Gages are fully adjustable with positive position locking at any point within the range.
- 0.50 mm / .020" Range of Sensitive Contact.
- Snap Gages available over a wide range of sizes, styles, and readout configurations.
- Large 15.5 mm / .61" square tungsten carbide anvils provide flat, parallel, long lasting working surfaces ensuring precision that lasts.
- Indicator can be rotated to read from front or rear of the gage.
- Optional lift-lever model (301P) available for retracting the upper anvil.
- All adjustments accomplished using a single hex wrench (furnished).

### Technical Data

Style	Normally Furnished Indicating Instruments Readings	Snap Style	Separately, Order no.
12I/22I	.0001"	Flat Anvil	<b>IDT-102/IDT-106</b>
O1I/P1I	0.002 mm	Flat Anvil	<b>IDS-206/IDS-208</b>
Max $\mu$ m <sup>®</sup> III <sup>(1)</sup>	selectable <sup>(3)</sup>	Flat Anvil	<b>2033109</b>
Max $\mu$ m <sup>®</sup> III <sup>(2)</sup>	selectable <sup>(3)</sup>	Flat Anvil	<b>2033119</b>
EDI-20102	0.0005 mm / .00002"	Flat Anvil	<b>EDI-20102</b>
B5M/C5M	.0005"	Groove Anvil	<b>IDS-101/IDS-105</b>
O6I/P6I	0.010 mm	Groove Anvil	<b>IDS-207/IDS-209</b>
Max $\mu$ m <sup>®</sup> III <sup>(1)</sup>	selectable <sup>(3)</sup>	Groove Anvil	<b>2033109</b>
Max $\mu$ m <sup>®</sup> III <sup>(2)</sup>	selectable <sup>(3)</sup>	Groove Anvil	<b>2033119</b>
with Air Probe for 2500:1		All	*
with Electronic Gage Heads		All	*



**A300P-2**

\* Call Mahr Federal.

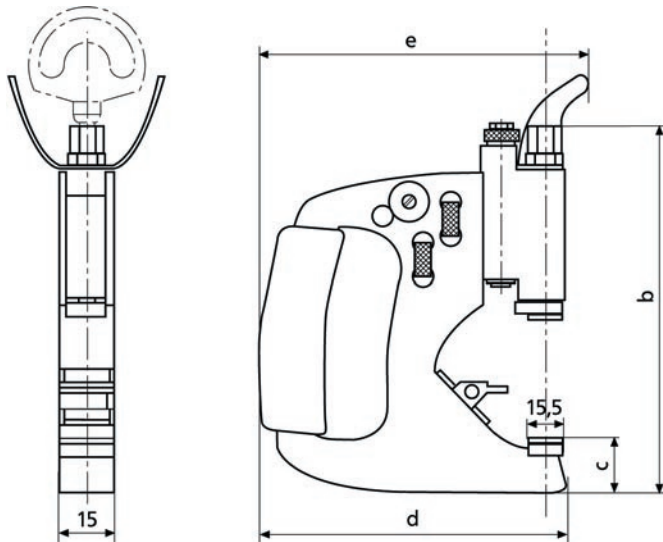
(1) With no Data Output

(2) With Data Output (6 pin)

(3) Selectable Readings — 0.001 mm / 0.005 mm / 0.0005 mm / .0001" / .0005" / .00002"

## Snap Gages for Outside Diameters 300P

### Technical Data



### Dimensions

Meas. range mm / <i>inch</i>	b	c	d	e
0-25 / <b>0-1"</b>	150 / <b>6"</b>	29 / <b>1.16"</b>	145 / <b>5.8"</b>	158 / <b>6.3"</b>
25-50 / <b>1-2"</b>	175 / <b>7"</b>	29 / <b>1.16"</b>	141 / <b>5.6"</b>	154 / <b>6.16"</b>
50-76 / <b>2-3"</b>	200 / <b>8"</b>	29 / <b>1.16"</b>	155 / <b>6.2"</b>	167 / <b>6.7"</b>
76-100 / <b>3-4"</b>	226 / <b>9"</b>	29 / <b>1.16"</b>	167 / <b>6.7"</b>	180 / <b>7.2"</b>
100-127 / <b>4-5"</b>	251 / <b>10"</b>	29 / <b>1.16"</b>	180 / <b>7.2"</b>	193 / <b>7.7"</b>
127-152 / <b>5-6"</b>	278 / <b>11"</b>	30 / <b>1.2"</b>	203 / <b>8"</b>	215 / <b>8.6"</b>
152-178 / <b>6-7"</b>	303 / <b>12"</b>	30 / <b>1.2"</b>	213 / <b>8.5"</b>	226 / <b>9"</b>
178-203 / <b>7-8"</b>	329 / <b>13"</b>	30 / <b>1.2"</b>	231 / <b>9.2"</b>	244 / <b>9.7"</b>
203-229 / <b>8-9"</b>	335 / <b>13.5"</b>	30 / <b>1.2"</b>	248 / <b>9.9"</b>	261 / <b>10.4"</b>

### Ordering Information

**Plain Anvils** (Anvils included in price – choose from list below)

Capacity mm/ <i>inch</i>	No Indicator	No Indicator with 8 mm adaptor	With Max $\mu$ m <sup>®</sup> /// indicator	With Max $\mu$ m indicator	With AirProbe <sup>®</sup>	No Indicator with 8 mm adaptor & lift lever	With Dial Indicator No lift lever	With lift lever
0 - 25/ <b>0-1"</b>	OMI-300P-1	2003100	EMD-300P-1	EDI-300P-1	A300P-1	2003110	300P-1	301P-1
25 - 50/ <b>1-2"</b>	OMI-300P-2	2003101	EMD-300P-2	EDI-300P-2	A300P-2	2003111	300P-2	301P-2
50 - 76/ <b>2-3"</b>	OMI-300P-3	2003102	EMD-300P-3	EDI-300P-3	A300P-3	2003112	300P-3	301P-3
76 - 100/ <b>3-4"</b>	OMI-300P-4	2003103	EMD-300P-4	EDI-300P-4	A300P-4	2003113	300P-4	301P-4
100 - 127/ <b>4-5"</b>	OMI-300P-5	2003104	EMD-300P-5	EDI-300P-5	A300P-5	2003114	300P-5	301P-5
127 - 152/ <b>5-6"</b>	OMI-300P-6	2003105	EMD-300P-6	EDI-300P-6	A300P-6	2003115	300P-6	301P-6
152 - 178/ <b>6-7"</b>	OMI-300P-7	2003106	EMD-300P-7	EDI-300P-7	A300P-7	2003116	300P-7	301P-7
178 - 203/ <b>7-8"</b>	OMI-300P-8	2003107	EMD-300P-8	EDI-300P-8	A300P-8	2003117	300P-8	301P-8
203 - 229/ <b>8-9"</b>	OMI-300P-9	2003108	EMD-300P-9	EDI-300P-9	A300P-9	2003118	300P-9	301P-9

**Blade Anvils** (Anvils included in price – choose from list below)

0 - 25/ <b>0-1"</b>	OMI-300P-31		EMD-300P-31	EDI-300P-31	A300P-31		300P-31	301P-31
25 - 50/ <b>1-2"</b>	OMI-300P-32		EMD-300P-32	EDI-300P-32	A300P-32		300P-32	301P-32
50 - 76/ <b>2-3"</b>	OMI-300P-33		EMD-300P-33	EDI-300P-33	A300P-33		300P-33	301P-33
76 - 100/ <b>3-4"</b>	OMI-300P-34		EMD-300P-34	EDI-300P-34	A300P-34		300P-34	301P-34
100 - 127/ <b>4-5"</b>	OMI-300P-35		EMD-300P-35	EDI-300P-35	A300P-35		300P-35	301P-35

Larger capacities available on request.

To specify Metric models, add suffix "M" to the Model number. To specify Digital Output, add suffix "D" to Model numbers of EMD-300P and EMD-301P Series Gages. To specify both, add suffix "MD" to Model numbers of EMD-300P and EMD-301P Series Gages.

**Examples:** 300P-2 specifies a Snap Gage with a 12l (.0001" grad.) Dial Indicator, 25-50 mm / 1-2" capacity.

EMD-301P-33D specifies a Groove Diameter Snap Gage with lift lever, 50-76 mm / 2-3" capacity, AL-110 Blade Anvils, 2033119 (selectable units and resolution) Max $\mu$ m/// Indicator with Digital Output

## Snap Gages for Outside Diameters 300P

### Accessories



**BA-71**  
Bench Stand for Disc Masters



**Groove Diameter Snap Gages** – One pair of anvil inserts must be specified with each gage. Stocked anvils (shown below) are hardened steel. If no other anvils are specified, AL-110 will be provided.

**Anvil Inserts** – For all Series 300P-30 and 301P-30 groove gages (2 required per gage).

**Order no.**

**Bench Stand for Gages**

Clamps 300P and 1000P Series Gages firmly. A 6.4 mm / 0.25" mounting hole allows permanent fastening to bench surface.

**BA-26**

**Bench Stand for Disc Masters**

Holds any AGD type Disc up to 127 mm / 5" diameter and 27 mm / 1.12" wide. Two 6.4 mm / 0.25" mounting holes allow permanent fastening to bench surface

**BA-71**

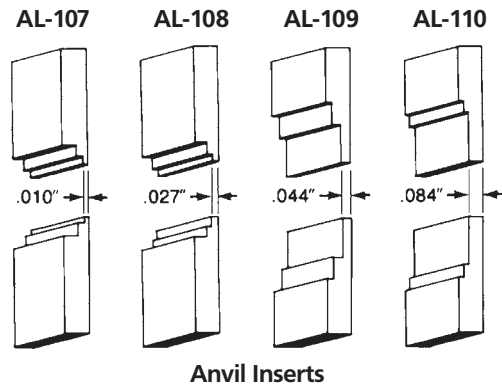
**Gaging pressure options**

For EMD, OMI and Dial Indicator models

Lighter **SP-192**  
Heavier **SP-118**

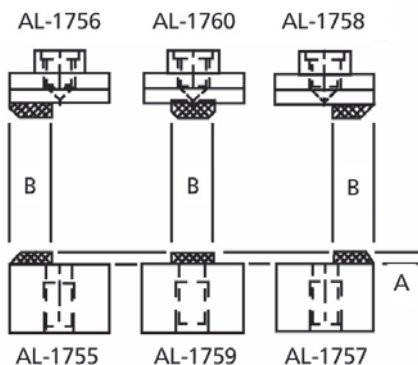
For EDI models only

Lighter **2243295**  
Heavier **2243297**



**Anvil Inserts**

**Plain Anvil Options  
Front View**



A = 2mm/.080in  
B = 5.08mm/.250in

**Blade Anvils**

Width mm / inch	Depth mm / inch	Order no. Steel	T.C.
0.25 / .010"	0.76 / .030"	AL-107	AL-1741
0.69 / .027"	1.02 / .040"	AL-108	AL-1742
1.12 / .044"	4.83 / .19"	AL-109	AL-1743
2.13 / .084"	6.35 / .25"	AL-110*	AL-1744

\* normally provided