

300P Snap Gages

Superior precision for O.D. checks

Features

- Patented "Channel Lock" design assures precisely parallel anvil surfaces throughout the full 25 mm/1 in 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 in Range of Sensitive Contact.
- Snap Gages available over a wide range of sizes, styles, and readout configurations.
- Large 15.5 mm/.61 in 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).

EDI-301P-2
BA-26 Bench Stand
(not included)



Technical Data

Style	Normally Furnished Indicating Instruments		
	Readings	Snap Style	Separately, Order No.
12I/22I	.0001 in	Flat Anvil	IDT-102/IDT-106
O1I/P1I	0.002 mm	Flat Anvil	IDS-206/IDS-208
Maxµm® III(1)	selectable(3)	Flat Anvil	2033109
Maxµm® III(2)	selectable(3)	Flat Anvil	2033119
EDI-10102	0.001 mm/.00005 in	Flat Anvil	EDI-10102
B5M/C5M	.0005 in	Groove Anvil	IDS-101/IDS-105
O6I/P6I	0.010 mm	Groove Anvil	IDS-207/IDS-209
Maxµm® III(1)	selectable(3)	Groove Anvil	2033109
Maxµm® III(2)	selectable(4)	Groove Anvil	2033119
EDI-10102	0.001 mm/.00005 in	Groove Anvil	EDI-10102
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)

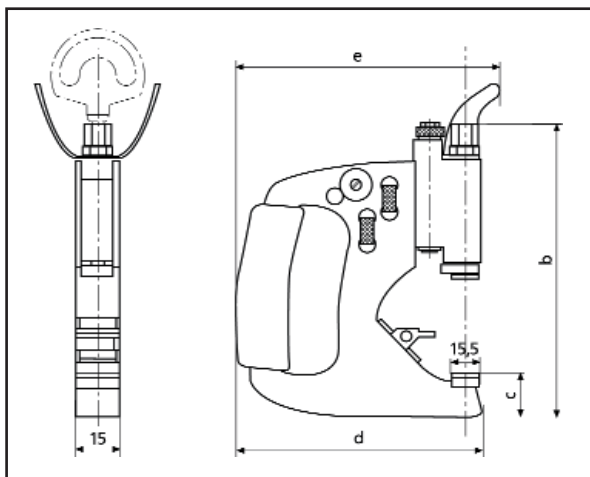
(3) Selectable Readings — 0.001mm/0.005mm/0.0005mm/.0001in/.0005in/00002in

300P Indicating Snap Gage for Outside Diameters

The economical way to check outside diameters on the shop floor.

Technical Data

Dimensions



Measuring Range

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

Ordering Information

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

No Indicator	No Indicator 8mm Adaptor	With Maxµm®/III Indicator	With µMaxµm Indicator	With AirProbe®	No Indicator w/8mm Adaptor & Lift Lever		With Dial Indicator		Capacity
					No Lift Lever	With Lift Lever	No Lift Lever	With Lift Lever	
OMI-300P-1	2003100	EMD-300P-1	EDI-300P-1	A300P-1	2003110	300P-1	301P-1	0-25 mm/ 0-1"	
OMI-300P-2	2003101	EMD-300P-2	EDI-300P-2	A300P-2	2003111	300P-2	301P-2	25-50 mm/ 1-2"	
OMI-300P-3	2003102	EMD-300P-3	EDI-300P-3	A300P-3	2003112	300P-3	301P-3	50-76 mm/ 2-3"	
OMI-300P-4	2003103	EMD-300P-4	EDI-300P-4	A300P-4	2003113	300P-4	301P-4	76-100 mm/ 3-4"	
OMI-300P-5	2003104	EMD-300P-5	EDI-300P-5	A300P-5	2003114	300P-5	301P-5	100-127 mm/ 4-5"	
OMI-300P-6	2003105	EMD-300P-6	EDI-300P-6	A300P-6	2003115	300P-6	301P-6	127-152 mm/ 5-6"	
OMI-300P-7	2003106	EMD-300P-7	EDI-300P-7	A300P-7	2003116	300P-7	301P-7	152-178 mm/ 6-7"	
OMI-300P-8	2003107	EMD-300P-8	EDI-300P-8	A300P-8	2003117	300P-8	301P-8	178-203 mm/ 7-8"	
OMI-300P-9	2003108	EMD-300P-9	EDI-300P-9	A300P-9	2003118	300P-9	301P-9	203-229 mm/ 8-9"	

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

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

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 12I (.0001in grad.) Dial Indicator, 25-50mm/1-2in capacity.

EMD-301P-33D specifies a Groove Diameter Snap Gage with lift lever, 50-76mm/2-3in capacity, AL-110 Blade Anvils, 2033119 (selectable units and resolution) Maxµm/III Indicator with Digital Output.

300P Indicating Snap Gage for Outside Diameters

Accessories



BA-71 Bench Stand for Disc Masters



AL-110

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.

Bench Stand for Gages — Clamps 300P and 1000P Series Gages firmly. A 6.4 mm/0.25 in mounting hole allows permanent fastening to bench surface.

Order no.

BA-26

Bench Stand for Disc Masters — Holds any AGD type Disc up to 127 mm/5 in diameter and 27 mm/1.12 in wide. Two 6.4 mm/0.25 in mounting holes allow permanent fastening to bench surface

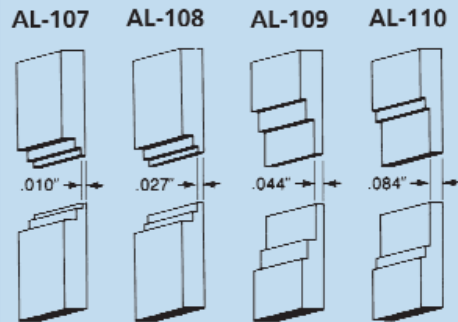
BA-71

Gaging pressure options —

Lighter
Heavier

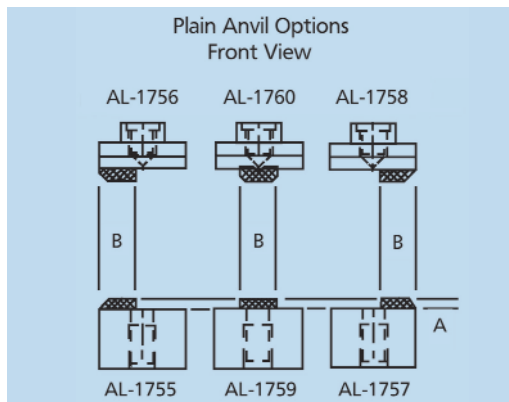
SP-192
SP-118

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



Anvil Inserts

Plain Anvil Options Front View



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

Blade Anvils

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

* normally provided