

1280 P Adjustable Bore Gages

Superior Accuracy for Production and Inspection.

Features

- Rugged construction for long life and low maintenance: Stainless steel gaging head, one piece centralizing yoke with replaceable tungsten carbide balls.
- Heavy duty housing protects Indicator.
- Flow-through design makes Series 1280P Bore Gages swish clean, no disassembly required.
- Outstanding stability: Holds mastered value.
- Furnished with either Dial Indicator or Max μ m[®]/// Digital Electronic Indicator.
- Digital bore gages with output are provided with Max μ m[®]/// Indicators. The Dynamic Memory of the Max μ m[®]/// greatly simplifies operation and assures repeatable readings with a single sweep of the diameter being measured.
- Output available for Statistical Quality Control requirements.



1282P-3W2 and 1280P-1W1

Technical Data

With Dial Indicator

Range of Sensitive Contact: 0.63 mm/ **.025"**,
0.002 mm/ **.0001"** grad.

With Max μ m[®]/// Indicators

Range of Sensitive Contact: 0.39 mm **/.020"**.
Resolution: 0.001 mm/ **.00005"** resolution,
0.001 mm/ **.001"** grad.

If gage capacity is 25 mm/ 1" or greater, the Max μ m[®]/// Indicator is covered by a cast aluminum protective housing. If under 25 mm/ 1" capacity, the protective housing is not normally furnished.

With Dial Indicator	With Digital Output	Capacity	Gaging Depth	End of Head to Contact
1280P-1W1	1282P-1W1	12-25 mm/ .50-1"	76 mm/ 3"	2.77 mm/ .11"
1280P-2W2	1282P-2W2	25-50 mm/ 1-2"	152 mm/ 6"	4.37 mm/ .17"
1280P-3W2	1282P-3W2	50-203 mm/ 2-8"	152 mm/ 6"	7.92 mm/ .31"
1280P-1W2	1282P-1W2	12-25 mm/ .50-1"	152 mm/ 6"	2.77 mm/ .11"
1280P-2W3	1282P-2W3	25-50 mm/ 1-2"	305 mm/ 12"	4.37 mm/ .17"
1280P-3W3	1282P-3W3	50-203 mm/ 2-8"	305 mm/ 12"	7.92 mm/ .31"

See matrix on next page.

Note: Model numbers do not include extensions.

Series 1280P Adjustable Bore Gages are normally furnished with adjusting wrenches. Reference contacts for particular measurement sizes must be specified separately (see table on following page). If not specified, T.C. contacts will be furnished. For alternate gaging depths, contact materials, and other modifications are available.

Example: **1282P-3MW3** with **PT-156** and **EX-224** specifies an Adjustable Bore Gage with tungsten carbide reference contact and an extension to cover the range from 75 mm/ 3" to 89 mm/ 3.5". The Gage is furnished with a Metric Max μ m[®]/// Indicator, **2033119** (which has selectable resolution, units and includes Digital Output).

1280 P Adjustable Bore Gages

Ordering Information

To order the correct bore gage to suit your measurement application, start with the base Model Number: **128XP-XXXX** and substitute the X with the appropriate number or letter from the boxes below:

128 X P - X X X X

Indicator

- 0 - Dial Indicator
- 2 - Maxµm®/III with Output

Capacity

- 1 - 12.50-25 mm/ .50-1" gaging depth to 305 mm/ 12"
- 2 - 25-50 mm/ 1-2" gaging depth to 610 mm/ 24"
- 3 - 50-200 mm/ 2-8" gaging depth to 1220 mm/ 48"

Units

- Omit for Inch
- M - Metric

Configuration

- W - Gage only
- S - Complete kit with steel contacts*
- T - Complete kit with T.C. contacts*

* Each kit is complete with components needed for capacity ranging from 12.70- 203 mm/ .50 - 8". A fitted case is furnished for all models with a gaging depth 150 mm/6" or under. It contains a Dial or MaxµmIII Indicator with each tube assembly and all contacts, extensions, extenders, locknuts and necessary wrenches.

Gaging Depth

- 1 - 76 mm/ 3"
- 2 - 150 mm/ 6"
- 3 - 300 mm/ 12"
- 4 - 450 mm/ 18"
- 5 - 600 mm/ 24"
- 6 - 760 mm/ 30"
- 7 - 910 mm/ 36"
- 8 - 1220 mm/ 48"

Example: If you chose **1282P-3S5** as your model number, you would have chosen an Inside Diameter gage with MaxµmIII Indicator, 50 - 200 mm/ 2 - 8" capacity, inch units, having a complete kit with steel contacts and a gaging depth of 600 mm / 24". Metric equivalent Model would be: **1282P-3MS5**.

1280 P Adjustable Bore Gages

Handles / Housing

All 1280P gages have a removable handle as a part of the Indicator Housing.

All 1282P gages can be equipped with a handle which projects at 90° to the gage housing.

1282P gages with capacity 12-25 mm/ .50-1 in are not normally furnished with a protective housing. Handles and Housings may be ordered separately.

For Handles order **HA-88** with **AT-124** Adaptor. For Housings order **EHG-1198**.

Gaging Extensions

Specify the Reference Contact Gaging Extensions required from the table below. For all diameters below 50 mm/2" the Reference Contact is integral with each Extension. For diameters over 50 mm/ 2" the Reference Contact is separate and interchangeable among Extension Sets.



1282P-1W1
(Output Cable not included)

Technical Data

Diameter to be Measured	Extension Required		Used on Gage Model Numbers
	Carbide	Steel	
12 - 16 mm/ <i>.50 - .625"</i>	PT-562	PT-558	1280P-1xxx
16 - 19 mm/ <i>.625 - .75"</i>	PT-567	PT-559	
19 - 22 mm/ <i>.75 - .875"</i>	PT-568	PT-560	1282P-1xxx
22 - 25 mm/ <i>.875 - 1"</i>	PT-557	PT-561	
25 - 32 mm/ <i>1 - 1.25"</i>	PT-554	PT-555	1280P-2xxx
32 - 38 mm/ <i>1.25 - 1.50"</i>	PT-553	PT-556	
38 - 45 mm/ <i>1.50 - 1.75"</i>	PT-552	PT-569	1282P-2xxx
45 - 50 mm/ <i>1.75 - 2"</i>	PT-550	PT-551	

For the gaging diameters listed below, select one Contact Point and at least one Extension Set.

Contact Point:	Extension Required	Used on Gage Models
Carbide	PT-156	1280P-3XXX
Steel	PT-2224	1282P-3XXX
Extension Sets:	Diameter to be Measured	Extension Sets
	50 - 64 mm/ <i>2 - 2.5"</i>	EX-222
	64 - 76 mm/ <i>2.5 - 3"</i>	EX-223
	76 - 89 mm/ <i>3 - 3.5"</i>	EX-224
	89 - 100 mm/ <i>3.5 - 4"</i>	EX-225
	100 - 127 mm/ <i>4 - 5"</i>	EX-223 with EX-226
	127 - 152 mm/ <i>5 - 6"</i>	EX-225 with EX-226
	152 - 178 mm/ <i>6 - 7"</i>	EX-223 with EX-228
	178 - 203 mm/ <i>7 - 8"</i>	EX-225 with EX-228
		1280P-3XXX
		1282P-3XXX