# **Digimatic Holtest**

# SERIES 468 — Three-Point Internal Micrometers

### **FEATURES**

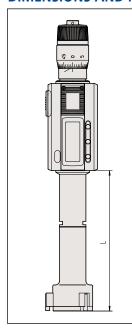
- Three-point internal micrometer with a digital LCD display (text height = 7.4 mm).
- Titanium-coated measuring surfaces.
- Built-in memory can store two preset values for origin setting to enable storage of multiple actual measurements of setting rings with the object of aiding efficient measurement preparation.
- A single button-type battery lasts approximately 1.2 years under normal usage conditions.
- Support for ABS and INC measurement modes for maximum efficiency.

- IP65 protection rated; can be used in places where cutting fluid may splash.
- Measurement reach extends to the bottom of blind holes.
- Enables measurement of deep holes with an optional extension rod.
- Function Lock feature to prevent accidental modification of the origin.
- Setting Rings for accurately setting the instrument are optional.





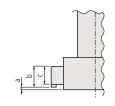




Range	L
6 - 8mm	59
8 - 10mm	59
10 - 12mm	59
12 - 16mm	84
16 - 20mm	84
20 - 25mm	93
25 - 30mm	93
30 - 40mm	103.8
40 - 50mm	103.8
50 - 63mm	105.4
62 - 75mm	105.4
75 - 88mm	105.4
87 - 100mm	105.4
100 - 125mm	151.4
125 - 150mm	151.4
150 - 175mm	151.4
175 - 200mm	151.4
200 - 225mm	151.4
225 - 250mm	151.4
250 - 275mm	151.4
275 - 300mm	151.4

# Measuring a Blind Hole

The measuring pins fixed to the anvils permit measuring the diameter of a blind hole right down to the bottom.



Range	а	b	С
6 - 12mm	2	_	2.5
12 - 20mm	0.3	5.6	3.5
20 - 30mm	0.3	8.3	5.2
30 - 50mm	0.3	13	10
50 - 100mm	0.3	17	14
100 - 300mm	12.4	21	13.8









(Refer to page VIII for details.)

### **Technical Data**

Accuracy: Refer to the list of specifications.

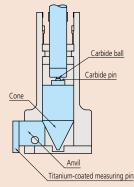
Resolution: 0.001mm, .00005"/0.001mm (models up to 4")

or .0001 "/0.001mm (models over 5") Measuring pins: Titanium-coated tungsten carbide Measuring method: Three-point method

Display: LCD

Battery:

Battery: SR44 (1 pcs.), **938882**Battery life: Approx. 1.2 years under normal use



### **Functions**

Zero-setting, Data hold, Automatic power ON/OFF, Data output, 2-point Preset, Function lock, Automatic power on/ off, inch/mm conversion (inch/mm models)

Low voltage, Counting value composition error

# **Optional Accessories**

**05CZA662**: SPC cable with data switch (1m) **05CZA663**: SPC cable with data switch (2m)

02AZD790B: SPC cable for U-WAVE w/ data switch (160mm)

04AZB157: Mounting plate for stand

**156-101-10**: Stand

Unit: mm

Extension rod (Refer to the list of specifications.)

Setting ring (See page C-28.)





# **Complete-Unit Sets**



468-981



468-982



468-983





468-985

# Interchangeable-Head Sets



468-971





468-973

468-974



# **SPECIFICATIONS**

Metric	Individual	Inch/Met	<b>ic</b> Ind	ividual		
Range	Order No.	Range	Order No.	Accuracy*		Extension rod (optional)
6 - 8mm	468-161	.275"35"	468-261	±2μm (within 2μm)	±.0001" (within .0001")	100mm ( <b>952322</b> )
8 - 10mm	468-162	.35"425"	468-262	±2μm (within 2μm)	±.0001" (within .0001")	100mm ( <b>952322</b> )
10 - 12mm	468-163	.425"5"	468-263	±2μm (within 2μm)	±.0001" (within .0001")	100mm ( <b>952322</b> )
12 - 16mm	468-164	.5"65"	468-264	±2μm (within 2μm)	±.0001" (within .0001")	150mm ( <b>952621</b> )
16 - 20mm	468-165	.65"8"	468-265	±2μm (within 2μm)	±.0001" (within .0001")	150mm ( <b>952621</b> )
20 - 25mm	468-166	.8" - 1"	468-266	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
25 - 30mm	468-167	1" - 1.2"	468-267	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
30 - 40mm	468-168	1.2" - 1.6"	468-268	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
40 - 50mm	468-169	1.6" - 2"	468-269	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
50 - 63mm	468-170	2" - 2.5"	468-270	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
62 - 75mm	468-171	2.5" - 3"	468-271	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
75 - 88mm	468-172	3" - 3.5"	468-272	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
87 - 100mm	468-173	3.5" - 4"	468-273	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
100 - 125mm	468-174	4" - 5"	468-274	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
125 - 150mm	468-175	5" - 6"	468-275	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
150 - 175mm	468-176	6" - 7"	468-276	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
175 - 200mm	468-177	7" - 8"	468-277	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
200 - 225mm	468-178	8" - 9"	468-278	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
225 - 250mm	468-179	9" - 10"	468-279	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
250 - 275mm	468-180	10" - 11"	468-280	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
275 - 300mm	468-181	11" - 12"	468-281	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )

<sup>\*</sup>Instrumental error excluding quantizing error (maximum error)

# **Complete-Unit Set**

Each set includes complete gages (display units and measuring heads for each size).

М	etric	
-		

Range	Order No.	Individual ranges	Setting rings included	Remarks
6 - 12mm	468-981	6-8, 8-10, 10-12mm	ø8mm, ø10mm	_
12 - 25mm	468-982	<b>468-982</b> 12-16, 16-20, 20-25mm ø16mm, ø20mm -		_
25 - 50mm	468-983	25-30, 30-40, 40-50mm	ø30mm, ø40mm	_
50 - 75mm	468-984	50-63, 62-75mm	ø62mm	_
75 - 100mm	468-985	75-88, 87-100mm	ø87mm	_

# Inch/Metric

Range	Order No.	Individual ranges	Setting rings included	Remarks
.275"5"	468-986	.27535", .35425", .4255"	.35" DIA., .425" DIA.	_
.5" - 1"	468-987	.565", .658", .8-1"	.65" DIA., .8" DIA.	_
1" - 2"	468-988	1-1.2", 1.2-1.6", 1.6-2"	1.2" DIA., 1.6" DIA.	_
2" - 3"	468-989	2-2.5", 2.5-3"	2.5" DIA.	_
3" - 4"	468-990	3-3.5", 3.5-4"	3.5" DIA.	_

**Interchangeable-Head Sets**Each set includes one display unit with interchangeable measuring heads of the sizes specified.

Metric	

Range	Order No.	Individual ranges	Setting rings included	Remarks
6 - 12mm	468-971	6-8, 8-10, 10-12mm	ø8mm, ø10mm	with extension rod
12 - 20mm	468-972	12-16, 16-20mm	ø16mm	with extension rod
20 - 50mm	468-973	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod
50 - 100mm	<b>468-974</b> 50-63, 62-75, 75-88, 87-100mm		ø62mm, ø87mm	with extension rod
100 - 200mm	468-975	100-125, 125-150, 150-175, 175-200mm	ø125mm, ø175mm	with extension rod

Inch/Metric	

Range	Order No.	Individual ranges	Setting rings included	Remarks
.275"5"	468-976	.27535", .35425", .4255"	.35" DIA., .425" DIA.	with extension rod
.5"8"	468-977	.565", .658"	.65" DIA.	with extension rod
.8" - 2"	468-978	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2" - 4"	468-979	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA., 3.5" DIA	with extension rod
4" - 8"	468-980	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod

# **Holtest**

# SERIES 368 — Three-Point/Two-Point Internal Micrometers

These Holtests are versatile, self-centering three-point micrometers for the accurate and efficient direct-measurement of internal diameters. Three anvils, evenly spaced at 120° apart, contact the hole surface and find true alignment with the axis of a hole for accurate measurement.

# **FEATURES**

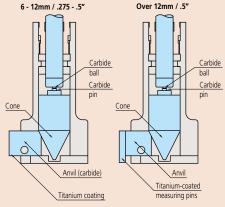
- Titanium-coated measuring surfaces (on models with measurement range over
- Can measure deep holes using an Extension rod (optional) which is available on models over 6mm (.275") measuring
- With Ratchet Stop for constant force.
- Setting Rings for accurately setting the



### **Technical Data**

Accuracy: Refer to the list of specifications. Graduation: 0.001mm, 0.005mm (models over 12mm), .0001" or .0002" (models over .5")

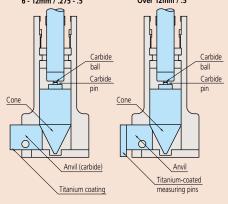
Range	Measuring method
2 - 3mm / .0812"	Two-point
3 - 6mm / .1228"	Two-point
6 - 12mm / .2755"	Three-point
over 12mm / over .5"	Three-point



### **Optional Accessories**

Extension rod (Refer to the list of specifications.)

Setting ring (See page C-28.)

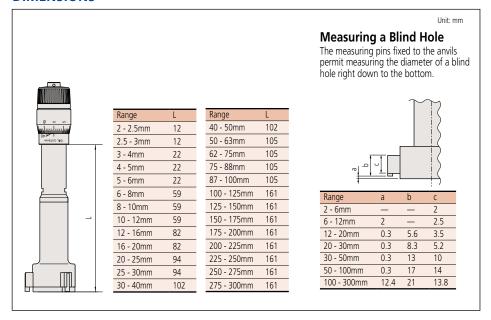




Using the optional extension rod



# **DIMENSIONS**



# **Complete-Unit Sets**



368-906

368-907





368-911





368-913



# 368-915







# **SPECIFICATIONS**

Metric	Individual	Inch	Individual			
Range	Order No.	Range	Order No.	Accuracy*		Extension Rod (optional)
2 - 2.5mm	368-001	.08"1"	368-021	±2μm (within 2μm)	±.0001" (within .0001")	_
2.5 - 3mm	368-002	.1"12"	368-022	±2μm (within 2μm)	±.0001" (within .0001")	_
3 - 4mm	368-003	.12"16"	368-023	±2μm (within 2μm)	±.0001" (within .0001"))	_
4 - 5mm	368-004	.16"2"	368-024	±2μm (within 2μm)	±.0001" (within .0001")	_
5 - 6mm	368-005	.2"24"	368-025	±2μm (within 2μm)	±.0001" (within .0001")	_
_	_	.24"28"	368-026	±2μm (within 2μm)	±.0001" (within .0001")	_
6 - 8mm	368-161	.275"35"	368-261	±2μm (within 2μm)	±.0001" (within .0001")	100mm ( <b>952322</b> )
8 - 10mm	368-162	.35"425"	368-262	±2μm (within 2μm)	±.0001" (within .0001")	100mm ( <b>952322</b> )
10 - 12mm	368-163	.425"5"	368-263	±2μm (within 2μm)	±.0001" (within .0001")	100mm ( <b>952322</b> )
12 - 16mm	368-164	.5"65"	368-264	±2μm (within 2μm)	±.0001" (within .0001")	150mm ( <b>952621</b> )
16 - 20mm	368-165	.65"8"	368-265	±2μm (within 2μm)	±.0001" (within .0001")	150mm ( <b>952621</b> )
20 - 25mm	368-166	.8" - 1"	368-266	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
25 - 30mm	368-167	1" - 1.2"	368-267	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
30 - 40mm	368-168	1.2" - 1.6"	368-268	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
40 - 50mm	368-169	1.6" - 2"	368-269	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
50 - 63mm	368-170	2" - 2.5"	368-270	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
62 - 75mm	368-171	2.5" - 3"	368-271	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
75 - 88mm	368-172	3" - 3.5"	368-272	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
87 - 100mm	368-173	3.5" - 4"	368-273	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
100 - 125mm	368-174	4" - 5"	368-274	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
125 - 150mm	368-175	5" - 6"	368-275	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
150 - 175mm	368-176	6" - 7"	368-276	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
175 - 200mm	368-177	7" - 8"	368-277	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
200 - 225mm	368-178	8" - 9"	368-278	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
225 - 250mm	368-179	9" - 10"	368-279	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
250 - 275mm	368-180	10" - 11"	368-280	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
275 - 300mm	368-181	11" - 12"	368-281	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )

\*Instrumental error (maximum error)

with titanium-coated contact surfaces

**Complete-Unit Sets**Each set includes complete gages (micrometer head units and measuring heads for each size).

### Metric

Range	Order No.	Individual ranges	Setting rings included	Remarks
2 - 3mm	368-906	2-2.5, 2.5-3mm	ø2.5mm	_
3 - 6mm	368-907	3-4, 4-5, 5-6mm	ø4mm, ø5mm	_
6 - 12mm	368-911	6-8, 8-10, 10-12mm	ø8mm, ø10mm	with extension rod
12 - 20mm	368-912	12-16, 16-20mm	ø16mm	with extension rod
20 - 50mm	368-913	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod
50 - 100mm	368-914	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	with extension rod
100 - 200mm	368-915	100-125, 125-150, 150-175, 175-200mm	ø125mm, ø175mm	with extension rod

with titanium-coated contact surfaces

Inch			wit	h titanium-coated contact surfaces
Range	Order No.	Individual ranges	Setting rings included	Remarks
.08"12"	368-926	.081", .112"	.1" DIA.	_
.12"28"	368-927	.1216", .162", .224", .2428"	.16" DIA., .24" DIA.	_
.275"5"	368-916	.27535", .35425", .4255"	.35" DIA., .5" DIA.	with extension rod
.5"8"	368-917	.565", .658"	.65" DIA.	with extension rod
.8" - 2"	368-918	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2" - 4"	368-919	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA., 3.5" DIA.	with extension rod
4" - 8"	368-920	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod

with titanium-coated contact surfaces



# **Holtest (Type II)**

# **SERIES 368 — Three-Point Internal Micrometers**

# **FEATURES**

- The Holtests (type II) have three anvils made of high-grade tool steel.
- Economy price.
- Measurement can be taken close to the bottom of a blind hole.
- Can measure deep holes using an Extension Rod (optional).
- With Ratchet Stop for constant force.
- Setting Rings for accurately setting the instrument are optional.

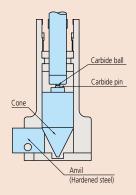




### **Technical Data**

Accuracy: Refer to the list of specifications. Graduation: 0.005mm or .0002" Measuring method: Three-point

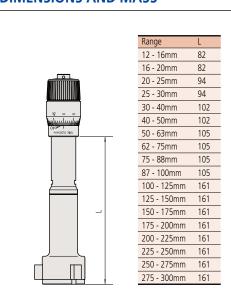
Hardened steel Anvils:



### **Optional Accessories**

Extension rod (Refer to the list of specifications.) Setting ring (See page C-28.)

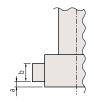
# **DIMENSIONS AND MASS**



# Measuring a Blind Hole

The measuring pins fixed to the anvils permit measuring the diameter of a blind hole right down to the bottom.

Unit: mm



3

# **SPECIFICATIONS**

Metric	Individual	Inch	Individual			
Range	Order No.	Range	Order No.	Accuracy		Extension Rod (optional)
12 - 16mm	368-764	.5"65"	368-864	±2µm (within 2µm)	±.0001" (within .0001")	150mm ( <b>952621</b> )
16 - 20mm	368-765	.65"8"	368-865	±2µm (within 2µm)	±.0001" (within .0001")	150mm ( <b>952621</b> )
20 - 25mm	368-766	.8" - 1"	368-866	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
25 - 30mm	368-767	1" - 1.2"	368-867	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
30 - 40mm	368-768	1.2" - 1.6"	368-868	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
40 - 50mm	368-769	1.6" - 2"	368-869	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952622</b> )
50 - 63mm	368-770	2" - 2.5"	368-870	±3μm (within 3μm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
62 - 75mm	368-771	2.5" - 3"	368-871	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
75 - 88mm	368-772	3" - 3.5"	368-872	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
87 - 100mm	368-773	3.5" - 4"	368-873	±3µm (within 3µm)	±.00015" (within .00015")	150mm ( <b>952623</b> )
100 - 125mm	368-774	4" - 5"	368-874	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
125 - 150mm	368-775	5" - 6"	368-875	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
150 - 175mm	368-776	6" - 7"	368-876	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
175 - 200mm	368-777	7" - 8"	368-877	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
200 - 225mm	368-778	8" - 9"	368-878	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
225 - 250mm	368-779	9" - 10"	368-879	±5µm (within 5µm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
250 - 275mm	368-780	10" - 11"	368-880	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )
275 - 300mm	368-781	11" - 12"	368-881	±5μm (within 5μm)	±.00025" (within .00025")	150mm ( <b>952623</b> )

**Complete-Unit Sets**Each set includes complete gages (micrometer head units and measuring heads for each size).

N 4		
IVVI	r-11	

	Range	Order No.	Individual ranges	Setting rings included	Remarks
	12 - 20mm	368-991	12-16, 16-20mm	ø16mm	with extension rod
Ī	20 - 50mm	368-992	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod
Ī	50 - 100mm	368-993	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	with extension rod
	100 - 200mm	368-994	100-125, 125-150, 150-175, 175-200mm	ø125mm, ø175mm	with extension rod

Inch	

Range	Order No.	Individual ranges	Setting rings included	Remarks
.5"8"	368-995	.565", .658"	.65" DIA.	with extension rod
.8" - 2"	368-996	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2" - 4"	368-997	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA., 3.5" DIA.	with extension rod
4" - 8"	368-998	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod



368-991



368-992



368-993



368-994



# **ABSOLUTE Borematic**

# SERIES 568 — ABSOLUTE Digimatic Snap-Open Bore Gages

The Borematic enables the operator to take measurements more accurately and more quickly than ever before. The Borematic retains the setting for the life of the battery. Therefore no longer repeated setting (presetting) is no longer necessary.



### **FEATURES**

- Titanium-coated measuring surfaces.
- Large LCD digits of 8.5mm height for error-free reading.
- 330-degree rotatable display unit for easy reading at any angle.
- GO/NO-GO judgment function.
- The ABSOLUTE linear encoder eliminates any concerns regarding over-speed errors.
- With SPC data output.
- Setting rings for accurately setting the instrument are optional.
- Can measure deep holes by attaching an optional extension rod.





(Refer to page VIII for details.)



(Refer to page VIII for details.)

### **Technical Data**

Accuracy: Refer to the list of specifications. Resolution: 0.001mm or .00005"/0.001mm Measuring pins: Titanium coated Measuring method: Three-point method

Display: LCD

Battery: SR44 (1 pc.) (**938882**)
Battery life: Approx. 1 year

### **Functions**

Preset, GO/NO-GO judgment, Data hold, Power ON/OFF, Data output, inch/mm conversion (inch/mm models)

### **Optional Accessories**

**937387**: SPC cable (1m) **965013**: SPC cable (2m)

**02AZD790E**: SPC cable for U-WAVE (160mm) **952322**: Extension rod for 6 - 12mm (.275" - .500") gages **952621**: Extension rod for 12 - 20mm

(.50" - .80") gages

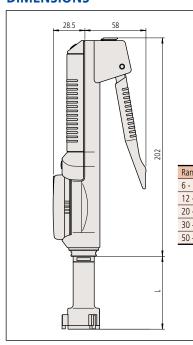
**952622**: Extension rod for 20 - 50mm (.8" - 2.0") gages

**952623**: Extension rod for 50 - 125mm (2.0" - 5.0") gages

Setting ring (See page C-28.)



# **DIMENSIONS**



 Range
 L

 6 - 12mm
 83

 12 - 20mm
 53

 20 - 30mm
 59

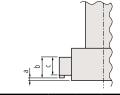
 30 - 50mm
 67

 50 - 125mm
 75

# Measuring a Blind Hole

The measuring pins fixed to the anvils permit measuring the diameter of a blind hole right down to the bottom.

Unit: mm



Range	a	b	С
6 - 12mm	2	_	2.5
12 - 20mm	0.3	5.6	3.5
20 - 30mm	0.3	8.3	5.2
30 - 50mm	0.3	13	10
50 - 125mm	0.3	17	14

# **SPECIFICATION**

Metric	Individual	
Range	Order No.	Accuracy*
6 - 8mm	568-331-10	±5μm (within 5μm)
8 - 10mm	568-332-10	±5μm (within 5μm)
10 - 12mm	568-333-10	±5μm (within 5μm)
12 - 16mm	568-334-10	±5μm (within 5μm)
16 - 20mm	568-335-10	±5μm (within 5μm)
20 - 25mm	568-336-10	±6μm (within 6μm)
25 - 30mm	568-337-10	±6μm (within 6μm)
30 - 40mm	568-338-10	±6μm (within 6μm)
40 - 50mm	568-339-10	±6μm (within 6μm)
50 - 63mm	568-340-10	±6μm (within 6μm)
62 - 75mm	568-341-10	±6μm (within 6μm)
75 - 88mm	568-342-10	±6μm (within 6μm)
87 - 100mm	568-343-10	±6μm (within 6μm)
100 - 113mm	568-344-10	±6μm (within 6μm)
112 - 125mm	568-345-10	±6μm (within 6μm)

Inch/Metric	Individual			
Range	Order No.	Accuracy		
.275"350"	568-431-10	±.00025" (within .00025")		
.350"425"	568-432-10	±.00025" (within .00025")		
.425"500"	568-433-10	±.00025" (within .00025")		
.50"65"	568-434-10	±.00025" (within .00025")		
.65"80"	568-435-10	±.00025" (within .00025")		
.8" - 1.0"	568-436-10	±.0003" (within .0003")		
1.0" - 1.2"	568-437-10	±.0003" (within .0003")		
1.2" - 1.6"	568-438-10	±.0003" (within .0003")		
1.6" - 2.0"	568-439-10	±.0003" (within .0003")		
2.0" - 2.5"	568-440-10	±.0003" (within .0003")		
2.5" - 3.0"	568-441-10	±.0003" (within .0003")		
3.0" - 3.5"	568-442-10	±.0003" (within .0003")		
3.5" - 4.0"	568-443-10	±.0003" (within .0003")		
4.0" - 4.5"	568-444-10	±.0003" (within .0003")		
4.5" - 5.0"	568-445-10	±.0003" (within .0003")		

# **Complete-Unit Sets**



568-981-10



568-983-10

# Complete-Unit Set

Each set includes complete gages (display units and measuring heads for each size).

Metric ———							
Range	Order No.	Individual ranges	Setting rings included	Remarks			
6 - 12mm	568-981-10	6-8, 8-10, 10-12mm	ø8mm, ø10mm				
12 - 25mm	568-982-10	12-16, 16-20, 20-25mm	ø16mm, ø20mm				
25 - 50mm	568-983-10	25-30, 30-40, 40-50mm	ø30mm, ø40mm				
50 - 75mm	568-984-10	50-63, 62-75mm	ø62mm				
75 - 100mm	568-985-10	75-88, 87-100mm	ø87mm				

Inch							
Range	Order No.	Individual ranges	Setting rings included	Remarks			
.275"5"	568-987-10	.27535", .35425", .4255"	ø.35" DIA, ø.425" DIA				
.5" - 1"	568-988-10	.565", .658", .8-1"	ø.65" DIA, ø.8" DIA				
1" - 2"	568-989-10	1-1.2", 1.2-1.6", 1.6-2"	ø1.2" DIA, ø1.6" DIA				
2" - 3"	568-990-10	2-2.5", 2.5-3"	ø2.5" DIA				
3" - 4"	568-991-10	3-3.5", 3.5-4"	ø3.5" DIA				

# Interchangeable-Head Set



568-971-10

568-973-10



# Interchangeable-Head Set

Each set includes one display unit with interchangeable measuring heads of the sizes specified.

Metric ———							
Range	Order No.	Individual ranges	Setting rings included	Remarks			
6 - 12mm	568-971-10	6-8, 8-10, 10-12mm	ø8mm, ø10mm				
12 - 25mm	568-972-10	12-16, 16-20, 20-25mm	ø16mm, ø20mm				
25 - 50mm	568-973-10	25-30, 30-40, 40-50mm	ø30mm, ø40mm				
50 - 100mm	568-974-10	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm				

Inch							
Range	Order No.	Individual ranges	Setting rings included	Remarks			
.275"5"	568-976-10	.27535", .35425", .4255"	ø.35" DIA, ø.425" DIA				
.5" - 1"	568-977-10	.565", .658", .8-1"	ø.65" DIA, ø.8" DIA				
1" - 2"	568-978-10	1-1.2", 1.2-1.6", 1.6-2"	ø1.2" DIA, ø1.6" DIA				
2" - 4"	568-979-10	2-2.5", 2.5-3", 3-3.5", 3.5-4"	ø2.5" DIA, ø3.5" DIA				

<sup>\*</sup>Instrumental error excluding quantizing error (maximum error)