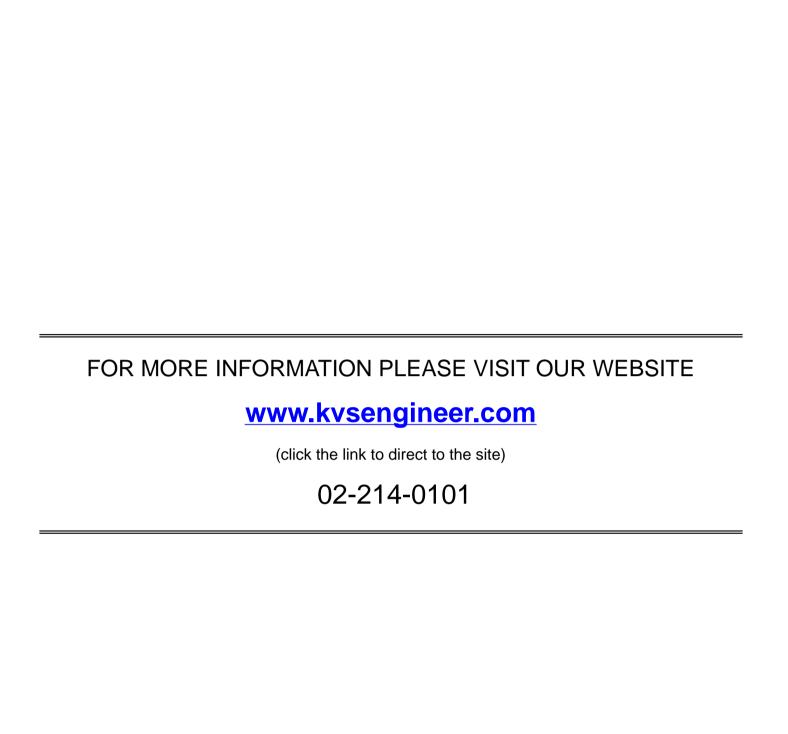
Catalog No. US-1002



Measuring Instruments Catalog



## **Digimatic Holtest**

SERIES 468 — Three-Point Internal Micrometers

#### **FEATURES**

- •Titanium-coated measuring pins (over 12mm range models) provide excellent durability and impact resistance and allow the instrument to measure right to the bottom of a blind hole.
- Large LCD readout.
- Functions available: Presetting, Zero-setting, Data hold, Data out put, Error alarm, Battery replacement alarm.
- •With Ratchet Stop for constant force.
- •Measurement can be taken closer to the bottom of the blind bore.
- Can measure deep holes by attaching an Extension rod (optional).
- Setting rings for origin point setting are optional.

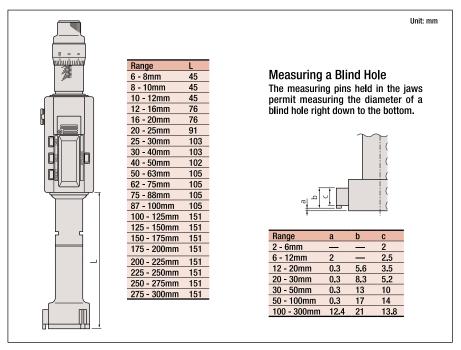




Titanium coated contact points ("-10" suffix models only)

## **DIMENSION AND MASS**

468-144-10



## **M**itutoyo





### **Technical Data**

Accuracy: Refer to the list of specifications.

Resolution: 0.001mm

Contact point: Carbide or titanium coating\*

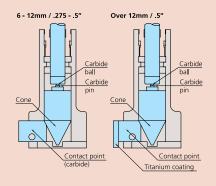
Measuring method: Three-point method

Display: LCD

Battery: SR44 (1 pcs.), 938882

Battery life: Approx. 8 months under normal

use



## **Function**

Zero-setting, Data hold, Automatic power ON/ OFF, Data output, Preset, inch/mm conversion

(inch/mm models)

Alarm: Low voltage, Counting value composition error

## **Optional Accessory**

937387: SPC cable (1m) 965013: SPC cable (2m) 982693: Mounting plate for stand

156-101: Stand







## **SPECIFICATIONS**

Metric Individual		
Wietile	Haividual	
Range	Order No.	
6 - 8mm	468-161	
8 - 10mm	468-162	
10 - 12mm	468-163	
12 - 16mm	468-164	
16 - 20mm	468-165	
20 - 25mm	468-166	
25 - 30mm	468-167	
30 - 40mm	468-168	
40 - 50mm	468-169	
50 - 63mm	468-170	
62 - 75mm	468-171	
75 - 88mm	468-172	
87 - 100mm	468-173	
100 - 125mm	468-174	
125 - 150mm	468-175	
150 - 175mm	468-176	
175 - 200mm	468-177	
200 - 225mm	468-178	
225 - 250mm	468-179	
250 - 275mm	468-180	
275 - 300mm	468-181	

*Instrumenta	error ex	cluding	quantizing	error
(maximum er	ror)			

Inch/Metric	with titanium coated contact points
Accuracy*	Extension rod (optional)
±2μm (within 2μm)	100mm (952322)
±2μm (within 2μm)	100mm (952322)
±2μm (within 2μm)	100mm (952322)
±2μm (within 2μm)	150mm (952621)
±2μm (within 2μm)	150mm (952621)
±3μm (within 3μm)	150mm (952622)
±3µm (within 3µm)	150mm (952623)
±5μm (within 5μm)	150mm (952623)



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

Metric	_		with	titanium coated contact points
Range	Order No.	Individual range	Setting rings included	Remarks
6 - 12mm	468-981	6-8, 8-10, 10-12mm	ø8mm, ø10mm	_
12 - 25mm	468-982	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	



468-953-10

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

Metric	-		with	titanium coated contact points
Range	Order No.	Individual range	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	468-974	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

## **Holtest**

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

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

## **FEATURES**

- Titanium-coated measuring pins (over 12mm range models) provide excellent durability and impact resistance and allow the instrument to measure right to the bottom of a blind hole.
- Measurement can be taken closer to the bottom of the blind bore.
- Can measure deep holes using an Extension rod (optional) which is available on models over 6mm (.275") measuring range.
- •With Ratchet Stop for constant force.
- Setting Rings for zero point adjustment are optional.



### **Technical Data**

Accuracy: Refer to the list of specifications. Graduation: 0.001mm, 0.005mm

Range	Messuring method	Contact-point material
2 - 3mm	Two-point method	Carbide
3 - 6mm	Two-point method	Carbide
6 - 12mm	Three-point method	Carbide
over 12mm	Three-point method	Titanium coating (1700-
		2000Hv)

**Mituto**yo





Contact point (carbide)

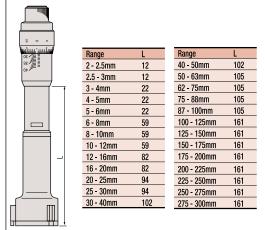
## **Optional Accessory**

: Extension rod (Refer to the list of specifications.)

Using the optional extension rod



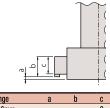
## **DIMENSION**



## Measuring a Blind Hole

The measuring pins held in the jaws permit measuring the diameter of a blind hole right down to the bottom.

Unit: mm



Range	a	b	С
2 - 6mm	_	_	2
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



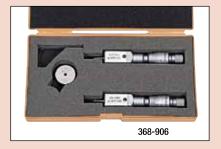
## **SPECIFICATIONS**

Order No.
368-001
368-002
368-003
368-004
368-005
_
368-161
368-162
368-163
368-164
368-165
368-166
368-167
368-168
368-169
368-170
368-171
368-172
368-173
368-174
368-175
368-176
368-177
368-178
368-179
368-180
368-181

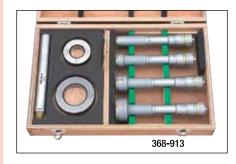
Inch	with titanium coated contact points
Accuracy*	Extension Rod (optional)
±2μm (within 2μm)	_
±2μm (within 2μm)	<u> </u>
±2μm (within 2μm)	_
±2μm (within 2μm)	_
±2μm (within 2μm)	<b>—</b>
±2μm (within 2μm)	<del>-</del>
±2μm (within 2μm)	100mm (952322)
±2μm (within 2μm)	100mm (952322)
±2μm (within 2μm)	100mm (952322)
±2μm (within 2μm)	150mm (952621)
±2μm (within 2μm)	150mm (952621)
±3µm (within 3µm)	150mm (952622)
±3μm (within 3μm)	150mm (952622)
±3μm (within 3μm)	150mm (952622)
±3µm (within 3µm)	150mm (952622)
±3µm (within 3µm)	150mm (952623)
±3µm (within 3µm)	150mm (952623)
±3µm (within 3µm)	150mm (952623)
±3μm (within 3μm)	150mm (952623)
±5μm (within 5μm)	150mm (952623)

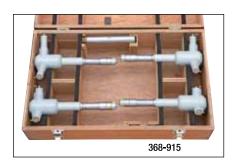
Complete-Unit Set Each set includes complete gages (micrometer head units and measuring heads for each size).

Metric	-		with tit	tanium coated contact points
Range	Order No.	Individual range	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	368-901-10	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-	ø 125 m m,	with extension rod
		200mm	ø175mm	









# **Holtest (Type II)**

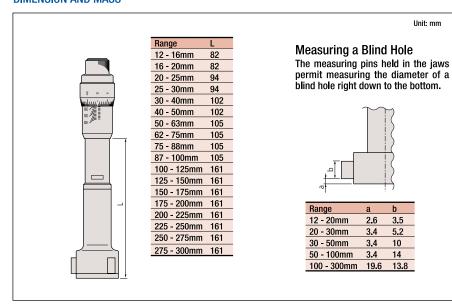
SERIES 368 — Three-Point Internal Micrometers

## **FEATURES**

- •The Holtests (type II) have three contact points made of alloyed steel.
- Economy price.
- •Measurement can be taken closer to the bottom of the blind bore.
- •Can measure deep holes using an Extension Rod (optional).
- •With Ratchet Stop for constant force.
- •Setting Rings for zero point adjustment are optional.



## **DIMENSION AND MASS**



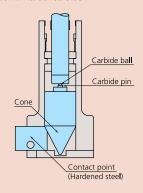
## **Mituto**yo



### **Technical Data**

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

Contact point: Hardened steel



## **Optional Accessory**

Unit: mm

10

14

Extension rod (Refer to the list of

specifications.)

Setting ring (See page 342.)



368-991









## **Technical Data**

Accuracy: Refer to the list of specifications.

Resolution: 0.001mm

Contact point: Carbide or titanium coating\* (\*over 12mm/.5" models)

Measuring method: Three-point method

Display: LCD

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

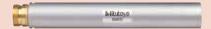
## **Functions**

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

## **Optional Accessory**

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

Extension rod for 6 - 12mm 952322: Extension rod for 12 - 20mm 952621: 952622: Extension rod for 20 - 50mm 952623: Extension rod for 50 - 125mm





### **SPECIFICATIONS**

Metric Individual		
Range	Order No.	
12 - 16mm	368-764	
16 - 20mm	368-765	
20 - 25mm	368-766	
25 - 30mm	368-767	
30 - 40mm	368-768	
40 - 50mm	368-769	
50 - 63mm	368-770	
62 <b>-</b> 75mm	368-771	
75 <b>-</b> 88mm	368-772	
87 - 100mm	368-773	
100 - 125mm	368-774	
125 - 150mm	368-775	
150 - 175mm	368-776	
175 - 200mm	368-777	
200 - 225mm	368-778	
225 - 250mm	368-779	
250 - 275mm	368-780	
275 - 300mm	368-781	

Accuracy	Extension Rod (optional)
±2µm (within 2µm)	150mm (952621)
±2µm (within 2µm)	150mm (952621)
±3µm (within 3µm)	150mm (952622)
±3µm (within 3µm)	150mm (952623)
±5µm (within 5µm)	150mm (952623)

#### Complete-Unit Set

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

Metric						
Range	Order No.	Individual range	Setting rings included	Remarks		
12 - 20mm	368-991	12-16, 16-20mm	ø16mm	with extension rod		
20 - 50mm	368-992	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod		
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		

## **Borematic**

SERIES 568 — ABSOLUTE Digimatic Snap-Open Bore Gages

The Borematic enables the operator to FEATURES take measurements more accurately and •Titanium-coated measuring pins more quickly than ever before. One the origin point is set with the ORIGIN button, the Borematic retains the setting for the entire battery life. Therefore no longer repeated origin setting (presetting) is necessary.



568-333

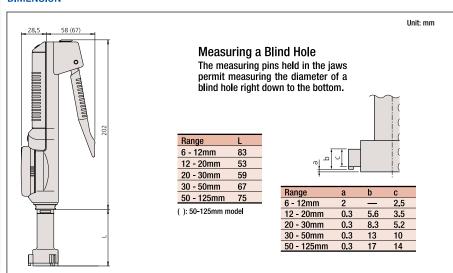
568-338-10

Titanium coated contact points ("-10" suffix models only)

- (models over 12mm range) provide excellent durability and impact resistance and allow the instrument to measure right to the bottom of a blind hole.
- •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 the fear of over-speed errors.
- With SPC data output.
- Setting rings for origin point setting are optional.
- Can measure deep holes by attaching an optional extension rod.
- Measurement can be taken closer to the bottom of a blind bore.



## **DIMENSION**



## **SPECIFICATION**

Metric Individual with titanium coated contact points				
Range	Order No.	Accuracy*		
6 - 8mm	568-331	±5μm (within 5μm)		
8 <b>-</b> 10mm	568-332	±5μm (within 5μm)		
10 - 12mm	568-333	±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 <b>-</b> 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)		
50 - 75mm	568-346-10	±6μm (within 6μm)		
75 - 100mm	568-347-10	±6μm (within 6μm)		
100 - 125mm	568-348-10	±6μm (within 6μm)		

<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).

Metric	-		w	ith titanium coated contact points
Range	Range Order No. Individual range		Setting rings included	Remarks
6 - 12mm	568-981	6-8, 8-10, 10-12mm	ø8mm, ø10mm	without extension rod
12 - 25mm	568-982-10	12-16, 16-20, 20-25mm	ø16mm, ø20mm	without extension rod
25 - 50mm	568-983-10	25-30, 30-40, 40-50mm	ø30mm, ø40mm	without extension rod
50 - 75mm	568-984-10	50-63, 62-75mm	ø62mm	without extension rod
75 - 100mm	568-985-10	75-88, 87-100mm	ø87mm	without extension rod
50 - 100mm	568-986-10	50-75*, 75-100mm*	ø62mm, ø82mm	without extension rod

<sup>\*</sup>interchangeable contact points (4 sets)

## Interchangeable-Head Set

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

Metric	_		with titanium coated contact points		
Range	Order No.	Individual range	Setting rings included	Remarks	
6 - 12mm	568-971	6-8, 8-10, 10-12mm	ø8mm, ø10mm	without extension rod	
12 - 25mm	568-972-10	12-16, 16-20, 20-25mm	ø16mm, ø20mm	without extension rod	
25 - 50mm	568-973-10	25-30, 30-40, 40-50mm	ø25mm, ø40mm	without extension rod	
50 - 100mm	568-975-10	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	without extension rod	
50 - 100mm	568-976-10	50-75*, 75-100mm*	ø62mm ø82mm	without extension rod	

<sup>\*</sup>interchangeable contact points (4 sets)



## Interchangeable-Contact Head Set



## Complete-Unit Set



## **Tubular Inside Micrometers**

SERIES 133 — Single Rod Type

## **Technical Data**

Accuracy: Refer to the list of specifications. Graduation: 0.01mm



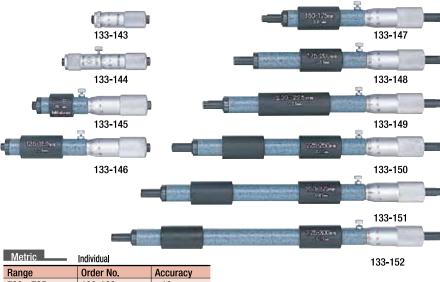
## **SPECIFICATIONS**

Metric	Individual	
Range	Order No.	Accuracy
50 - 75mm	133-143	±3µm
75 - 100mm	133-144	±4µm
100 - 125mm	133-145	±5µm
125 - 150mm	133-146	±5µm
150 - 175mm	133-147	±5µm
175 - 200mm	133-148	±5µm
200 - 225mm	133-149	±5µm
225 - 250mm	133-150	±6µm
250 - 275mm	133-151	±6µm
275 - 300mm	133-152	±6µm
300 - 325mm	133-153	±7μm
325 - 350mm	133-154	±7μm
350 - 375mm	133-155	±7μm
375 - 400mm	133-156	±8µm
400 - 425mm	133-157	±8µm
425 - 450mm	133-158	±8µm
450 - 475mm	133-159	±9µm
475 - 500mm	133-160	±9µm
500 - 525mm	133-161	±9µm
525 - 550mm	133-162	±10µm
550 - 575mm	133-163	±10µm
575 - 600mm	133-164	±10µm
600 - 625mm	133-165	±11µm
625 - 650mm	133-166	±11µm
650 - 675mm	133-167	±11µm
675 - 700mm	133-168	±12µm

# 133-902

## **FEATURES**

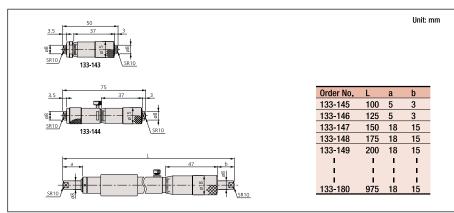
- •With locking clamp.
- •Zero point can be readjusted by twisting the micrometer head sleeve. A key wrench is supplied.
- •Clear, crisp graduations on the satin chrome finished micrometer head.
- Carbide-tipped measuring faces.



motrio	Illulviuuai	
Range	Order No.	Accuracy
700 - 725mm	133-169	±12μm
725 - 750mm	133-170	±12µm
750 - 775mm	133-171	±13µm
775 - 800mm	133-172	±13μm
800 - 825mm	133-173	±13µm
825 - 850mm	133-174	±14µm
850 - 875mm	133-175	±14μm
875 - 900mm	133-176	±14μm
900 - 925mm	133-177	±15μm
925 - 950mm	133-178	±15μm
950 - 975mm	133-179	±15μm
975 - 1000mm	133-180	±16µm

Metric Micrometer set				
Range	Order No.	Assortment of micrometers		
50 - 150mm(4 mikes/set)	133-901	•133-143, 133-144, 133-145, 133-146 •with fitted case		
50 - 300mm(10 mikes/set)	133-902	•133-143, 133-144, 133-145, 133-146, 133-147, 133-148, 133-149, 133-150, 133-151, 133-152  • with fitted case		

## **DIMENSION**

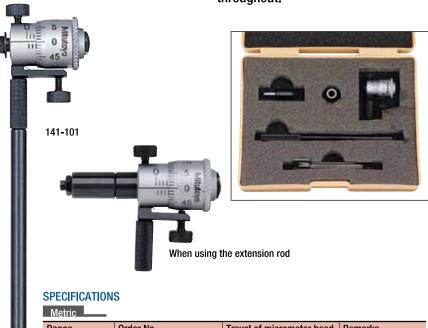


## **Inside Micrometers**

SERIES 141 — Interchangeable Rod Type

## **FEATURES**

- Wide range of ID measurements with The sizes of interchangeable rods can interchangeable rods.
- with its measuring range.
- be adjusted with spacing collars.
- Each interchangeable rod is marked Both micrometer head and furnished rods are satin-chrome finished throughout.



Metric			
Range	Order No.	Travel of micrometer head	Remarks
25 - 32mm	141-001 / 141-003*	7mm	_
25 - 50mm	141-101 / 141-103*	7mm	with 2 rods
50 - 63mm	141-025 / 141-027*	13mm	_
50 - 200mm	141-205 / 141-211*	13mm	with 3 rods
50 - 300mm	141-206 / 141-212*	13mm	with 5 rods
200 - 225mm	141-009 / 141-011*	25mm	_
200 - 500mm	141-117	25mm	with 3 rods
200 - 1000mm	141-118	25mm	with 8 rods

\*with carbide tipped face

## **Technical Data**

Accuracy: ±(6+L/50)µm\*

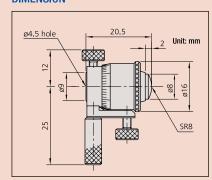
\* L = Maximum mea:
Fraction rounded up

easuring length (mm)

Graduation: 0.01mm



## **DIMENSION**



# **Digimatic Tubular Inside Micrometers**

SERIES 337 — Extension Rod Type / SERIES 339 — Extension Pipe Type

## **FEATURES**

- •Wide range of ID measurements by combining extension rods (pipes) and anvils with the micrometer head.
- •The 339 series uses highly-durable extension pipes.
- Carbide-tipped measuring faces.





### **Technical Data**

±(3+n+L/50)µm\* Accuracy:

\*n = Number of rod, L = Maximum measuring length (mm), Fraction rounded up

Resolution: 0.001mm

Display: LCD

Battery: SR44 (1 pcs.), 938882

Battery life: Approx. 8 months under normal

#### **Function**

Zero-setting, Preset, Data hold, Automatic power ON/OFF, Data output, inch/mm conversion (inch/

mm models)

Alarm: Low voltage, Counting value

composition error

## **Optional Accessory**

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



## **Technical Data**

### Accuracy:

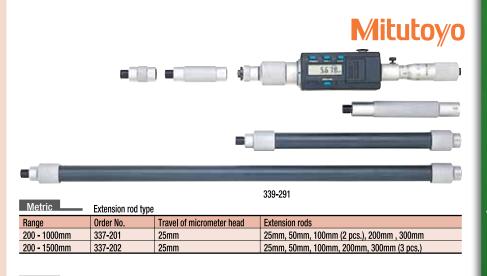
±(3+n+L/50)µm\* • Series 137, 139:

Series 140:

±(7+n+L/50)µm\*

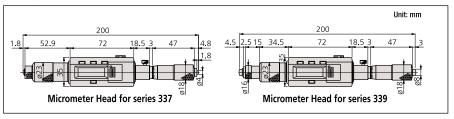
\*n = Number of rod, L = Maximum
measuring length (mm),
Fraction rounded up

Graduation: 0.01mm or .001"



Wetric Extension pipe type				
	Range	Order No.	Travel of micrometer head	Extension pipes
	200 - 1000mm	339-291	25mm	25mm, 50mm, 100mm, 200mm, 400mm
	200 - 2000mm	339-292	25mm	25mm, 50mm, 100mm, 200mm (2 pcs.), 400mm (3 pcs.)

### **DIMENSION**



## **Tubular Inside Micrometers**

SERIES 137 — Extension Rod Type, SERIES 139 — Extension Pipe Type,

SERIES 140 — Extension Pipe Type

## **FEATURES**

- •Wide range of ID measurements by •The 139 and 140 series use highlycombining extension rods (pipes) and anvils with the micrometer head.
- Carbide-tipped measuring faces are available. (series 137)
- durable/large-diameter extension pipes.





## **SPECIFICATIONS**

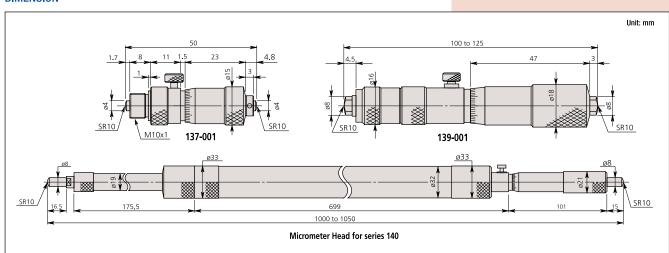
Metric	Extension rod type		
Range	Order No.	Travel of micrometer head	Extension rods
50 - 63mm	137-011 / 137-013*	13mm	_
50 - 150mm	137-201 / 137-206*	13mm	13mm, 25mm, 50mm
50 - 300mm	137-202 / 137-207*	13mm	13mm, 25mm, 50mm (2 pcs.), 100mm
50 - 500mm	137-203 / 137-208*	13mm	13mm, 25mm, 50mm (2 pcs.), 100mm, 200mm
50 - 1000mm	137-204 / 137-209*	13mm	13mm, 25mm, 50mm (2 pcs.), 100mm, 200mm (2 pcs.), 300mm
50 - 1500mm	137-205 / 137-210*	13mm	13mm, 25mm, 50mm (2 pcs.), 100mm, 200mm (3 pcs.), 300mm (2 pcs.)

<sup>\*</sup>with carbide tipped face

Metric	Extension pipe type			
Range	Order No.	Travel of micrometer head	Extension pipes	
100 - 125mm	139-001	25mm	_	
100 - 500mm	139-173	25mm	25mm, 50mm, 100mm, 200mm	
100 - 900mm	139-174	25mm	25mm, 50mm, 100mm, 200mm, 400mm	
100 - 1300mm	139-175	25mm	25mm, 50mm, 100mm, 200mm, 400mm (2 pcs.)	
100 - 1700mm	139-176	25mm	25mm, 50mm, 100mm, 200mm, 400mm (3 pcs.)	
100 - 2100mm	139-177	25mm	25mm, 50mm, 100mm, 200mm, 400mm (4 pcs.)	
1000 - 2000mm	140-157	50mm	50mm, 100mm (2 pcs.), 200mm, 500mm	
1000 - 3000mm	140-158	50mm	50mm, 100mm (2 pcs.), 200mm, 500mm, 1000mm	
1000 - 4000mm	140-159	50mm	50mm, 100mm (2 pcs.), 200mm, 500mm, 1000mm (2 pcs.)	
1000 - 5000mm	140-160	50mm	50mm, 100mm (2 pcs.), 200mm, 500mm, 1000mm (3 pcs.)	



## **DIMENSION**





## **Inside Micrometers**

SERIES 345, 145 — Caliper Type



### **Technical Data**

Accuracy: Refer to the list of specifications.

(excluding quantizing error for digital models)

Resolution\*: Graduation\*\*: 0.01mm

Measuring faces: Carbide tipped Display\*: LCD Battery\*: SR44 (1 pc.), 938882

Battery life\*: Approx. 8 months under

normal use
\*Digital models \*\*Analog models

## **Function of Digital Model**

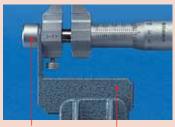
Zero-setting, Preset, Data hold, Automatic power ON/OFF, Data output, inch/mm conversion (inch/mm models)

Low voltage, Counting value composition error

## **Optional Accessory**

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

For 145-185, 145-186, 145-193, 145-194



Cap (300401) Holder (300400)

## **FEATURES**

- •Caliper type jaws are made of high- •Satin-chrome finished. grade, tool steel.
- Locking clamp for positive locking of spindle.
- A special holder is available to be used with Mitutoyo Micrometer Stand.

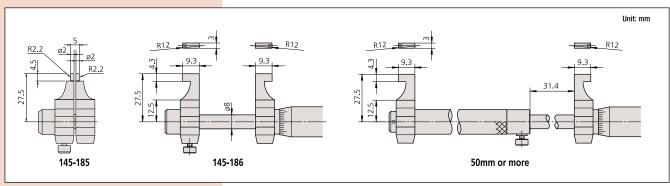


## **SPECIFICATIONS**

Metric	Digital model	
Range	Order No.	Accuracy
5 - 30mm	345-250	±5µm
25 - 50mm	345-251	±6µm

Metric		
Range	Order No.	Accuracy
5 - 30mm	145-185	±5µm
25 - 50mm	145-186	±6µm
50 - 75mm	145-187	±7μm
75 - 100mm	145-188	±8μm
100 - 125mm	145-189	±9μm
125 - 150mm	145-190	±9μm
150 - 175mm	145-191	±10μm
175 - 200mm	145-192	±10μm
200 - 225mm	145-217	±11μm
225 - 250mm	145-218	±11μm
250 - 275mm	145-219	±12µm
275 - 300mm	145-220	±12µm

## **DIMENSION**



## **Inside Micro Checker**

## **SERIES 515**

## **FEATURES**

- •The Inside Micro Checker is designed to efficiently check the zero point of a tubular inside micrometer.
- Each measuring block is made of zirconia-based ceramic and it is free from deterioration and dimensional changes over time.

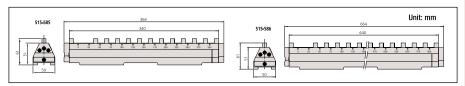


## **SPECIFICATIONS**

Range	Order No.	Length to check
300mm	515-585	25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300mm
600mm	515-586	25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, 350, 375, 400, 425, 450, 475, 500, 525, 550, 575, 600mm



### **DIMENSION**



# **Bore Gages**

SERIES 526 — for Extra Small Holes

These Bore Gages measure diameters of small holes. The radial displacement of split-ball contact is converted to axial displacement of measuring rod, which is shown on the dial indicator.

## **FEATURES**

 Optional stand (215-120M) is available for efficient measurement of multiple small holes.



## **M**itutoyo



## **Technical Data**

Block pitch accuracy:  $\pm (0.001 + L/150000)mm^*$ \*L = Length to check (mm)

## Optional Accessory

602160: Wooden case for 300mm Inside

Micro Checker

602163: Wooden case for 600mm Inside

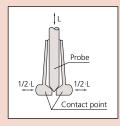
Micro Checker



## **Technical Data**

Accuracy: 4µm Indication stability: 2µm Graduation: 0.01mm, 0.001mm

## **Contact Point**



## Optional Accessory 215-120M: Bore gage stand

