

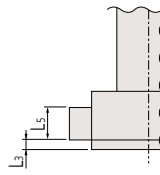
# Holtest

For easy and accurate measurement of inside diameters

## Holtest (Type II) SERIES 368 — Three-point Internal Micrometers

- Hardened tool-steel anvils (instead of titanium-coated carbide) for a more economically priced tool.
- Same accuracy as the titanium-coated Holtest models.
- For details of setting rings, refer to page C-47.
- Constant-force device allows repeatable measurement.

Range (mm)	L <sub>3</sub> (mm)	L <sub>5</sub> (mm)
12 - 20	2.6 or below	3.5
20 - 30	3.4 or below	5.2
30 - 50		10
50 - 100	19.6 or below	14
100 - 300		13.8



- Can measure deep holes using an Extension Rod (optional).



368-769



368-770



368-774



An inspection certificate is supplied as standard. Refer to page X for details.

For details of Special-order Products, refer to page C-49.



## SPECIFICATIONS

Metric individual				
Order No.	Range* <sup>2</sup>	Graduation	Accuracy* <sup>1</sup>	Extension Rod (optional)
368-764	12 - 16 mm	0.005 mm	±2 μm (within 2 μm)	952621 (150 mm)
368-765	16 - 20 mm			
368-766	20 - 25 mm		±3 μm (within 3 μm)	952622 (150 mm)
368-767	25 - 30 mm			
368-768	30 - 40 mm			
368-769	40 - 50 mm			
368-770	50 - 63 mm			
368-771	62 - 75 mm			
368-772	75 - 88 mm		±5 μm (within 5 μm)	952623 (150 mm)
368-773	87 - 100 mm			
368-774	100 - 125 mm			
368-775	125 - 150 mm			
368-776	150 - 175 mm			
368-777	175 - 200 mm			
368-778	200 - 225 mm			
368-779	225 - 250 mm			
368-780	250 - 275 mm			
368-781	275 - 300 mm			

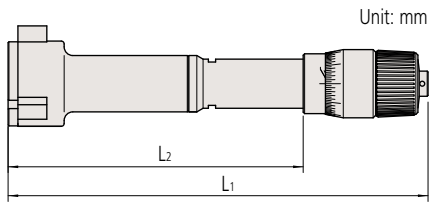
Inch individual				
Order No.	Range* <sup>2</sup>	Graduation	Accuracy* <sup>1</sup>	Extension Rod (optional)
368-864	0.5 - 0.65 in	0.0002 in	±0.0001 in (within 0.0001 in)	952621 (150 mm)
368-865	0.65 - 0.8 in			
368-866	0.8 - 1 in		±0.00015 in (within 0.00015 in)	952622 (150 mm)
368-867	1 - 1.2 in			
368-868	1.2 - 1.6 in			
368-869	1.6 - 2 in			
368-870	2 - 2.5 in			
368-871	2.5 - 3 in			
368-872	3 - 3.5 in		±0.00025 in (within 0.00025 in)	952623 (150 mm)
368-873	3.5 - 4 in			
368-874	4 - 5 in			
368-875	5 - 6 in			
368-876	6 - 7 in			
368-877	7 - 8 in			
368-878	8 - 9 in			
368-879	9 - 10 in			
368-880	10 - 11 in			
368-881	11 - 12 in			

\*1 Accuracy: values measured across the entire measuring face.

Maximum difference: differences between the maximum and minimum values.

\*2 The measurement range cannot be enlarged by measuring heads that are not standard-supplied (the accuracy is not guaranteed). Note: Setting rings are optional.

## DIMENSIONS



Range	L <sub>2</sub>	L <sub>1</sub>
12 - 16, 16 - 20	82	126 - 130
20 - 25, 25 - 30	94	137 - 142
30 - 40, 40 - 50	102	145 - 155
50 - 63, 62 - 75, 75 - 88, 87 - 100	105	150 - 163
100 - 125, 125 - 150, 150 - 175, 175 - 200 200 - 225, 225 - 250, 250 - 275, 275 - 300	161	227 - 252

Unit: mm

External appearance differs depending on the measuring range.

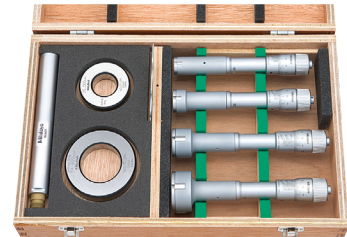
## Non-Interchangeable-Head Sets

Metric				Inch			
Order No.	Range*	Graduation	Content of Set	Order No.	Range*	Graduation	Content of Set
368-991	12 - 20 mm	0.005 mm	Micrometer head unit	368-995	0.5 - 0.8 in	0.0002 in	Micrometer head unit
			12 - 16 mm 1 pc				0.5 - 0.65 in 1 pc
			16 - 20 mm 1 pc				0.65 - 0.8 in 1 pc
			Setting ring (ø16) 1 pc				Setting ring (0.65 in DIA.) 1 pc
Extension rod (150 mm) 1 pc	Extension rod (150 mm) 1 pc						
Spanner 2 pcs	Spanner 2 pcs						
Hex wrench 1 pc	Hex wrench 1 pc						
368-992	20 - 50 mm	0.005 mm	Micrometer head unit	368-996	0.8 - 2 in	0.0002 in	Micrometer head unit
			20 - 25 mm 1 pc				0.8 - 1 in 1 pc
			25 - 30 mm 1 pc				1 - 1.2 in 1 pc
			30 - 40 mm 1 pc				1.2 - 1.6 in 1 pc
			40 - 50 mm 1 pc				1.6 - 2 in 1 pc
Setting ring (ø25, ø40) 1 pc each	Setting ring (1 in DIA., 1.6 in DIA.) 1 pc each						
Extension rod (150 mm) 1 pc	Extension rod (150 mm) 1 pc						
Spanner 2 pcs	Spanner 2 pcs						
Hex wrench 1 pc	Hex wrench 1 pc						
368-993	50 - 100 mm	0.005 mm	Micrometer head unit	368-997	2 - 4 in	0.0002 in	Micrometer head unit
			50 - 63 mm 1 pc				2 - 2.5 in 1 pc
			62 - 75 mm 1 pc				2.5 - 3 in 1 pc
			75 - 88 mm 1 pc				3 - 3.5 in 1 pc
			87 - 100 mm 1 pc				3.5 - 4 in 1 pc
Setting ring (ø62, ø87) 1 pc each	Setting ring (2.5 in DIA., 3.5 in DIA.) 1 pc each						
Extension rod (150 mm) 1 pc	Extension rod (150 mm) 1 pc						
Spanner 2 pcs	Spanner 2 pcs						
Hex wrench 1 pc	Hex wrench 1 pc						
368-994	100 - 200 mm	0.005 mm	Micrometer head unit	368-998	4 - 8 in	0.0002 in	Micrometer head unit
			100 - 125 mm 1 pc				4 - 5 in 1 pc
			125 - 150 mm 1 pc				5 - 6 in 1 pc
			150 - 175 mm 1 pc				6 - 7 in 1 pc
			175 - 200 mm 1 pc				7 - 8 in 1 pc
Setting ring (ø125, ø175) 1 pc each	Setting ring (5 in DIA., 7 in DIA.) 1 pc each						
Extension rod (150 mm) 1 pc	Extension rod (150 mm) 1 pc						
Spanner 2 pcs	Spanner 2 pcs						
Hex wrench 1 pc	Hex wrench 1 pc						

\* The measurement range cannot be enlarged by measuring heads that are not standard-supplied (the accuracy is not guaranteed).



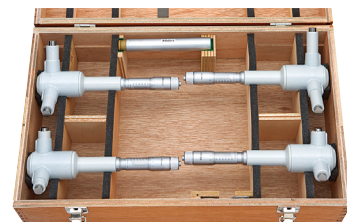
368-991



368-992



368-993



Setting rings are supplied as standard (ø125, ø175) (Packed separately)

368-994