

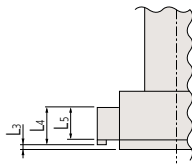
Holtest

For easy and accurate measurement of inside diameters

Holtest SERIES 368 — Three-point/Two-point Internal Micrometers

- Titanium-coated measuring pins on the three-point type (over 6 mm range models) provide excellent durability and impact resistance and allow the instrument to measure right to the bottom of a blind hole.
- Three-point bore micrometer with measuring range 6 mm or longer allows stable measurement through automatic centering.
- Can measure deep holes using an Extension rod (optional) which is available on models over 6 mm (0.275 in) measuring range.
- Ratchet Stop ensures constant-force, repeatable measurement.
- Setting Rings for accurately setting the instrument are optional. Refer to page C-47 for details.

Range (mm)	L3 (mm)	L4 (mm)	L5 (mm)
2 - 6	—	—	2
6 - 12	2 or below	—	2.5
12 - 20	0.3 or below	5.6	3.5
20 - 30		8.3	5.2
30 - 50		13.0	10.0
50 - 100		17.0	14.0
100 - 300	12.4 or below	21.0	13.8



368-001
(Two-point contact model)



368-168



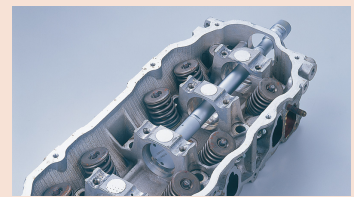
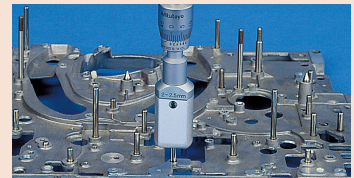
368-170



368-174



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



Application using an extension rod

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

SPECIFICATIONS

Metric					Inch							
Order No.	Range*2	Graduation	Accuracy*1	Extension Rod (optional)	Order No.	Range*2	Graduation	Accuracy*1	Extension Rod (optional)			
(Two-point) 368-001	2 - 2.5 mm	0.001 mm	±2 μm (within 2 μm)	—	(Two-point) 368-021	0.08 - 0.1 in	0.0001 in	±0.0001 in (within 0.0001 in)	—			
368-002	2.5 - 3 mm				368-022	0.1 - 0.12 in						
368-003	3 - 4 mm				368-023	0.12 - 0.16 in						
368-004	4 - 5 mm				368-024	0.16 - 0.2 in						
368-005	5 - 6 mm				368-025	0.2 - 0.24 in						
(Three-point) 368-161	6 - 8 mm	0.005 mm	±3 μm (within 3 μm)	952322 (100 mm)	(Three-point) 368-261	0.275 - 0.35 in				0.0002 in	±0.00015 in (within 0.00015 in)	952322 (100 mm)
368-162	8 - 10 mm				368-262	0.35 - 0.425 in	952621 (150 mm)					
368-163	10 - 12 mm				368-263	0.425 - 0.5 in						
368-164	12 - 16 mm			368-264	0.5 - 0.65 in							
368-165	16 - 20 mm			368-265	0.65 - 0.8 in	952622 (150 mm)						
368-166	20 - 25 mm			368-266	0.8 - 1 in							
368-167	25 - 30 mm			368-267	1 - 1.2 in							
368-168	30 - 40 mm			952623 (150 mm)	±5 μm (within 5 μm)	952623 (150 mm)	368-268	1.2 - 1.6 in	±0.00025 in (within 0.00025 in)			952623 (150 mm)
368-169	40 - 50 mm						368-269	1.6 - 2 in				
368-170	50 - 63 mm						368-270	2 - 2.5 in				
368-171	62 - 75 mm						368-271	2.5 - 3 in				
368-172	75 - 88 mm						368-272	3 - 3.5 in				
368-173	87 - 100 mm						368-273	3.5 - 4 in				
368-174	100 - 125 mm			952623 (150 mm)	±5 μm (within 5 μm)	952623 (150 mm)	368-274	4 - 5 in	±0.00025 in (within 0.00025 in)			952623 (150 mm)
368-175	125 - 150 mm						368-275	5 - 6 in				
368-176	150 - 175 mm	368-276	6 - 7 in									
368-177	175 - 200 mm	368-277	7 - 8 in									
368-178	200 - 225 mm	368-278	8 - 9 in									
368-179	225 - 250 mm	368-279	9 - 10 in									
368-180	250 - 275 mm	368-280	10 - 11 in									
368-181	275 - 300 mm	368-281	11 - 12 in									

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

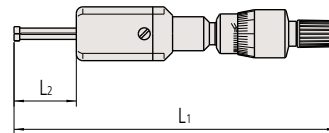
Maximum difference: differences between the maximum and minimum values.

*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.

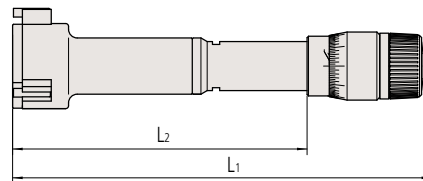
DIMENSIONS

Unit: mm



Range	L ₂	L ₁
2 - 2.5, 2.5 - 3 mm	12	103.5 - 104
3 - 4, 4 - 5, 5 - 6 mm	22	113 - 114

External appearance differs depending on the measuring range.



Range	L ₂	L ₁
6 - 8, 8 - 10, 10 - 12 mm	59	102 - 104
12 - 16, 16 - 20 mm	82	126 - 130
20 - 25, 25 - 30 mm	94	137 - 142
30 - 40, 40 - 50 mm	102	145 - 155
50 - 63, 62 - 75, 75 - 88, 87 - 100 mm	105	150 - 163
100 - 125, 125 - 150, 150 - 175, 175 - 200, 200 - 225, 225 - 250, 250 - 275, 275 - 300 mm	161	227 - 252

External appearance differs depending on the measuring range.

Holtest

For easy and accurate measurement of inside diameters



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

Holtest SERIES 368 — Three-point/Two-point Internal Micrometers

Non-Interchangeable-Head Sets

Metric			
Set Order No.	Range*	Graduation	Content of Set
(Two-point) 368-906	2 - 3 mm	0.001 mm	Micrometer head unit 2 - 2.5 mm 1 pc 2.5 - 3 mm 1 pc Setting ring (ø2.5) 1 pc Hex wrench 1 pc
368-907	3 - 6 mm		Micrometer head unit 3 - 4 mm 1 pc 4 - 5 mm 1 pc 5 - 6 mm 1 pc Setting ring (ø4, ø5) 1pc each Hex wrench 1 pc
(Three-point) 368-911	6 - 12 mm		Micrometer head unit 6 - 8 mm 1 pc 8 - 10 mm 1 pc 10 - 12 mm 1 pc Setting ring (ø8, ø10) 1pc each Extension rod (100 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-912	12 - 20 mm	0.005 mm	Micrometer head unit 12 - 16 mm 1 pc 16 - 20 mm 1 pc Setting ring (ø16) 1 pc Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-913	20 - 50 mm		Micrometer head unit 20 - 25 mm 1 pc 25 - 30 mm 1 pc 30 - 40 mm 1 pc 40 - 50 mm 1 pc Setting ring (ø25, ø40) 1pc each Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-914	50 - 100 mm		Micrometer head unit 50 - 63 mm 1 pc 62 - 75 mm 1 pc 75 - 88 mm 1 pc 87 - 100 mm 1 pc Setting ring (ø62, ø87) 1pc each Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-915	100 - 200 mm		Micrometer head unit 100 - 125 mm 1 pc 125 - 150 mm 1 pc 150 - 175 mm 1 pc 175 - 200 mm 1 pc Setting ring (ø125, ø175) 1pc each Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc

Inch			
Set Order No.	Range*	Graduation	Content of Set
(Two-point) 368-926	0.08 - 0.12 in	0.0001 in	Micrometer head unit 0.08 - 0.1 in 1 pc 0.1 - 0.12 in 1 pc Setting ring (0.1 in DIA) 1 pc Hex wrench 1 pc
368-927	0.12 - 0.28 in		Micrometer head unit 0.12 - 0.16 in 1 pc 0.16 - 0.2 in 1 pc 0.2 - 0.24 in 1 pc 0.24 - 0.28 in 1 pc Setting ring (0.16 in DIA., 0.24 in DIA) 1pc each Hex wrench 1 pc
(Three-point) 368-916	0.275 - 0.5 in		Micrometer head unit 0.275 - 0.35 in 1 pc 0.35 - 0.425 in 1 pc 0.425 - 0.5 in 1 pc Setting ring (0.35 in DIA., 0.5 in DIA) 1pc each Extension rod (100 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-917	0.5 - 0.8 in	0.0002 in	Micrometer head unit 0.5 - 0.65 in 1 pc 0.65 - 0.8 in 1 pc Setting ring (0.65 in DIA) 1 pc Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-918	0.8 - 2 in		Micrometer head unit 0.8 - 1 in 1 pc 1 - 1.2 in 1 pc 1.2 - 1.6 in 1 pc 1.6 - 2 in 1 pc Setting ring (1 in DIA., 1.6 in DIA) 1pc each Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-919	2 - 4 in		Micrometer head unit 2 - 2.5 in 1 pc 2.5 - 3 in 1 pc 3 - 3.5 in 1 pc 3.5 - 4 in 1 pc Setting ring (2.5 in DIA., 3.5 in DIA) 1pc each Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-920	4 - 8 in		Micrometer head unit 4 - 5 in 1 pc 5 - 6 in 1 pc 6 - 7 in 1 pc 7 - 8 in 1 pc Setting ring (5 in DIA., 7 in DIA) 1pc each Extension rod (150 mm) 1 pc Spanner 2 pcs Hex wrench 1 pc

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



368-906



368-907



368-911



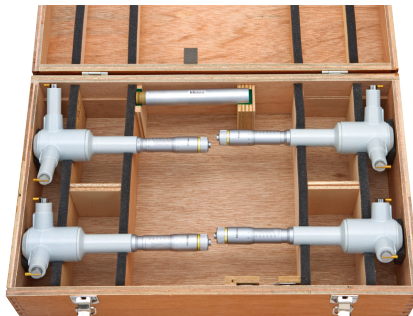
368-912



368-913



368-914



Setting rings supplied as standard
($\phi 125$, $\phi 175$) (Packed separately)

368-915