

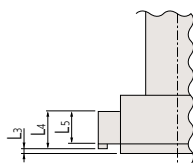
Holtest

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	12.4 or below	17.0	14.0
100 - 300		21.0	13.8



368-001
(Two-point contact model)



368-168



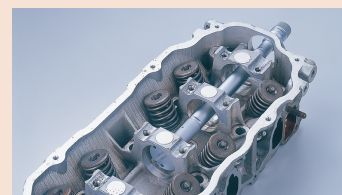
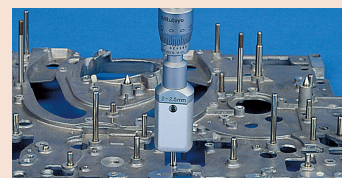
368-170



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)					(Two-point)				
368-001	2 - 2.5 mm	0.001 mm	$\pm 2 \mu\text{m}$ (within 2 μm)	—	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)					(Three-point)				
368-161	6 - 8 mm	0.001 mm	$\pm 2 \mu\text{m}$ (within 2 μm)	952322 (100 mm)	368-261	0.275 - 0.35 in	0.0001 in	± 0.0001 in (within 0.0001 in)	952322 (100 mm)
368-162	8 - 10 mm				368-262	0.35 - 0.425 in			
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			
368-166	20 - 25 mm	0.005 mm	$\pm 3 \mu\text{m}$ (within 3 μm)	952621 (150 mm)	368-266	0.8 - 1 in	0.0002 in	± 0.00015 in (within 0.00015 in)	952621 (150 mm)
368-167	25 - 30 mm				368-267	1 - 1.2 in			
368-168	30 - 40 mm				368-268	1.2 - 1.6 in			
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				368-274	4 - 5 in			
368-175	125 - 150 mm				368-275	5 - 6 in			
368-176	150 - 175 mm	0.005 mm	$\pm 5 \mu\text{m}$ (within 5 μm)	952623 (150 mm)	368-276	6 - 7 in	0.0002 in	± 0.00025 in (within 0.00025 in)	952623 (150 mm)
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			

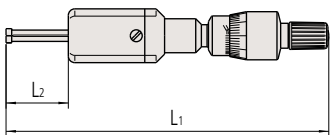
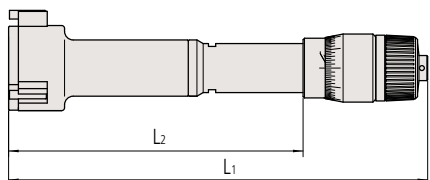
*1 Accuracy: values measured across the entire measuring face.

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	L2	L1	
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	L2	L1	
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.			