

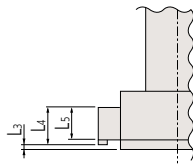
Holtest

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 6mm 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 6mm or longer allows stable measurement through automatic centering.
- Can measure deep holes using an Extension rod (optional) which is available on models over 6mm (.275") 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)	L ₃ (mm)	L ₄ (mm)	L ₅ (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	Graduation	Accuracy*1	Extension Rod (optional)	Order No.	Range	Graduation	Accuracy*1	Extension Rod (optional)
(Two-point) 368-001	2 - 2.5mm	0.001mm	±2μm (within 2μm)	—	(Two-point) 368-021	.08" - .1"	.0001"	±.0001" (within .0001")	—
368-002	2.5 - 3mm				368-022	.1" - .12"			
368-003	3 - 4mm				368-023	.12" - .16"			
368-004	4 - 5mm				368-024	.16" - .2"			
368-005	5 - 6mm				368-025	.2" - .24"			
(Three-point) 368-161	6 - 8mm	0.005mm	±3μm (within 3μm)	952322 (100mm)	368-026	.24" - .28"			
368-162	8 - 10mm				368-261	.275" - .35"			
368-163	10 - 12mm				368-262	.35" - .425"			
368-164	12 - 16mm				368-263	.425" - .5"			
368-165	16 - 20mm				368-264	.5" - .65"			
368-166	20 - 25mm				368-265	.65" - .8"			
368-167	25 - 30mm				368-266	.8" - 1"			
368-168	30 - 40mm				368-267	1" - 1.2"			
368-169	40 - 50mm				368-268	1.2" - 1.6"			
368-170	50 - 63mm				368-269	1.6" - 2"			
368-171	62 - 75mm	0.002"	±5μm (within 5μm)	952623 (150mm)	368-270	2" - 2.5"	±.00025" (within .00025")	952623 (150mm)	
368-172	75 - 88mm				368-271	2.5" - 3"			
368-173	87 - 100mm				368-272	3" - 3.5"			
368-174	100 - 125mm				368-273	3.5" - 4"			
368-175	125 - 150mm				368-274	4" - 5"			
368-176	150 - 175mm				368-275	5" - 6"			
368-177	175 - 200mm				368-276	6" - 7"			
368-178	200 - 225mm				368-277	7" - 8"			
368-179	225 - 250mm				368-278	8" - 9"			
368-180	250 - 275mm				368-279	9" - 10"			
368-181	275 - 300mm	368-280	10" - 11"						
					368-281	11" - 12"			

*1 Excluding quantizing error.

Accuracy: values measured across the entire measuring face.

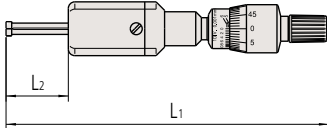
Maximum difference: differences between the maximum and minimum values.

* Setting ring and extension rod: optional.

* It is not advisable to use measuring heads other than as supplied as a standard accessory, or widen a measuring range by using any other multiple sub-measuring heads. (The measuring accuracy in such cases is not guaranteed.)

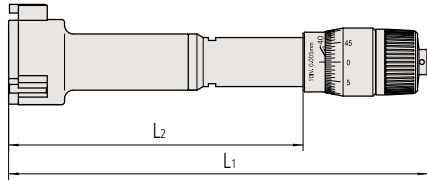
DIMENSIONS

Unit: mm



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

External appearance differs depending on the measuring range.



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

External appearance differs depending on the measuring range.

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Non-Interchangeable-Head Sets

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

Inch			
Set Order No.	Range*	Graduation	Content of Set
(Two-point) 368-926	.08" - .12"	.0001"	Micrometer head unit .08-1" 1 pc .1-.12" 1 pc Setting ring (.1" DIA) 1 pc Hex wrench 1 pc
368-927	.12" - .28"		Micrometer head unit .12-.16" 1 pc .16-.2" 1 pc .2-.24" 1 pc .24-.28" 1 pc Setting ring (.16" DIA., .24" DIA) 1pc each Hex wrench 1 pc
(Three-point) 368-916	.275" - .5"		Micrometer head unit .275-.35" 1 pc .35-.425" 1 pc .425-.5" 1 pc Setting ring (.35" DIA., .5" DIA) 1pc each Extension rod (100mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-917	.5" - .8"	.0002"	Micrometer head unit .5-.65" 1 pc .65-.8" 1 pc Setting ring (.65" DIA) 1 pc Extension rod (150mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-918	.8" - 2"		Micrometer head unit .8-1" 1 pc 1-1.2" 1 pc 1.2-1.6" 1 pc 1.6-2" 1 pc Setting ring (1" DIA., 1.6" DIA) 1pc each Extension rod (150mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-919	2" - 4"		Micrometer head unit 2-2.5" 1 pc 2.5-3" 1 pc 3-3.5" 1 pc 3.5-4" 1 pc Setting ring (2.5" DIA., 3.5" DIA) 1pc each Extension rod (150mm) 1 pc Spanner 2 pcs Hex wrench 1 pc
368-920	4" - 8"		Micrometer head unit 4-5" 1 pc 5-6" 1 pc 6-7" 1 pc 7-8" 1 pc Setting ring (5" DIA., 7" DIA) 1pc each Extension rod (150mm) 1 pc Spanner 2 pcs Hex wrench 1 pc

* It is not advisable to use measuring heads other than as supplied as a standard accessory, or widen a measuring range by using any other multiple sub-measuring heads. (The measuring accuracy in such cases is not guaranteed.)



368-906



368-907



368-911



368-912



368-913



368-914



Setting rings supplied as standard
($\varnothing 125$, $\varnothing 175$) (Packed separately)
368-915