

Holtest

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

- Holtests type II is equipped with contact points of alloy steel and has the same accuracy as the titanium model.
- For details of Setting Rings, refer to page C-52.
- Constant-force device allows stable measurement.
- Deep holes can be measured by attaching an Extension Rod (optional).



Measurement example



You can measure the diameter of a blind hole to the bottom.

Range (mm)	L ₃ (mm)	L ₅ (mm)
12 - 20	2.6 or below	3.5
20 - 30	3.4 or below	5.2
30 - 50		10.0
50 - 100	19.6 or below	14.0
100 - 300		13.8

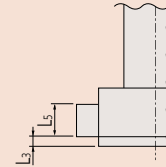
SPECIFICATIONS

Metric Individual					Inch Individual				
Order No.	Range* ² (mm)	Graduation (mm)	Maximum permissible error J_{MPE} (μm)* ¹	Extension Rod (optional)	Order No.	Range* ² (in)	Graduation (in)	Maximum permissible error J_{MPE} (in)* ¹	Extension Rod (optional)
368-764	12 - 16	0.005	±3 (maximum difference 3)	952621 (150 mm)	368-864	0.5 - 0.65	0.0002	±0.00015 (maximum difference 0.00015)	952621 (150 mm)
368-765	16 - 20				368-865	0.65 - 0.8			
368-766	20 - 25				368-866	0.8 - 1			
368-767	25 - 30				368-867	1 - 1.2			
368-768	30 - 40				368-868	1.2 - 1.6			
368-769	40 - 50				368-869	1.6 - 2			
368-770	50 - 63		±4 (maximum difference 4)	952622 (150 mm)	368-870	2 - 2.5		±0.0002 (maximum difference 0.0002)	952622 (150 mm)
368-771	62 - 75				368-871	2.5 - 3			
368-772	75 - 88				368-872	3 - 3.5			
368-773	87 - 100				368-873	3.5 - 4			
368-774	100 - 125				368-874	4 - 5			
368-775	125 - 150				368-875	5 - 6			
368-776	150 - 175	±5 (maximum difference 5)	952623 (150 mm)	368-876	6 - 7	±0.00025 (maximum difference 0.00025)	952623 (150 mm)		
368-777	175 - 200			368-877	7 - 8				
368-778	200 - 225			368-878	8 - 9				
368-779	225 - 250			368-879	9 - 10				
368-780	250 - 275			368-880	10 - 11				
368-781	275 - 300			368-881	11 - 12				

*1 Additionally, the difference in permissible error allowable is limited to a value within this range, as given in parentheses, and is measured with the entire measuring surface in contact with the object measured.

*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.



For details of Special-order Products, refer to page C-57.

DIMENSIONS

Range	L ₂	L ₁
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	161	227 - 252
200 - 225, 225 - 250, 250 - 275, 275 - 300		

Note: External appearance differs depending on the measuring range.

Non-Interchangeable-Head Sets



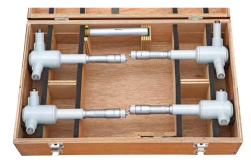
368-991



368-992



368-993



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

368-994

Metric			
Order No.	Range* (mm)	Graduation (mm)	Content of Set
368-991	12 - 20		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.
			368-992
368-993	50 - 100	0.005	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) 1 pc. each Extension rod (150 mm) 1 pc. Spanner 2 pcs. Hex wrench 1 pc.
368-994	100 - 200		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) 1 pc. each Extension rod (150 mm) 1 pc. Spanner 2 pcs. Hex wrench 1 pc.

Inch			
Order No.	Range* (in)	Graduation (in)	Content of Set
368-995	0.5 - 0.8		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.
			368-996
368-997	2 - 4	0.0002	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.) 1 pc. each Extension rod (150 mm) 1 pc. Spanner 2 pcs. Hex wrench 1 pc.
368-998	4 - 8		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.) 1 pc. 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).