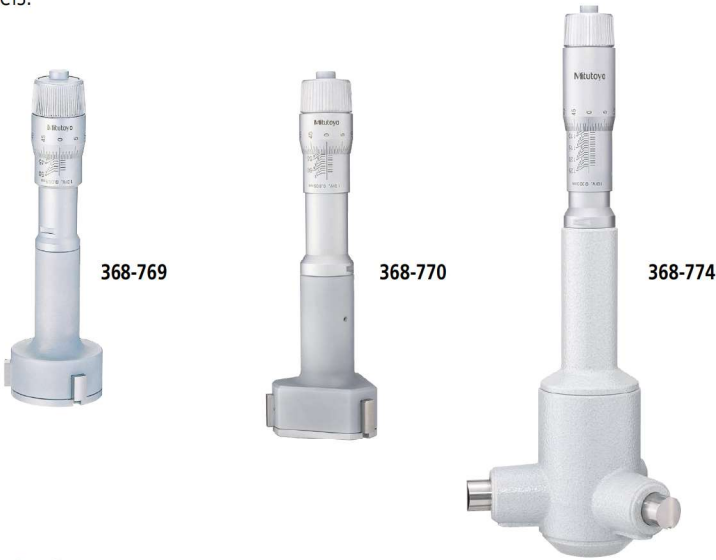


Holtest (Type II)
SERIES 368 — Three-point Bore Micrometers

- The Holtests (type II) have three contact points made of alloy steel and allow a more economically priced tool.
- Same accuracy as the titanium-coated Holtest models.
- Constant-force device allows stable measurement.
- Can measure deep holes using an Extension rod (optional).



Measurement example



Reference dimensions when measuring a blind hole

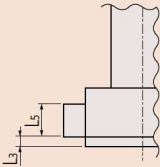
Range (mm)	L3 (mm)	L5 (mm)
12 - 20	2.6 or below	3.5
20 - 30	3.4 or below	5.2
30 - 50		10.0
50 - 100		14.0
100 - 300	19.6 or below	13.8

SPECIFICATIONS

Metric	Individual				
Code No.	Range*2 (mm)	Graduation (mm)	Maximum permissible error J _{MPE} (μm)*1	Extension Rod (optional)	
368-764	12 - 16	0.005	±3 (maximum difference 3)	952621 (150 mm)	
368-765	16 - 20			952622 (150 mm)	
368-766	20 - 25				
368-767	25 - 30				
368-768	30 - 40		±4 (maximum difference 4)	952623 (150 mm)	
368-769	40 - 50				
368-770	50 - 63				
368-771	62 - 75				
368-772	75 - 88		±5 (maximum difference 5)		
368-773	87 - 100				
368-774	100 - 125				
368-775	125 - 150		±6 (maximum difference 6)		
368-776	150 - 175				
368-777	175 - 200				
368-778	200 - 225				
368-779	225 - 250				
368-780	250 - 275				
368-781	275 - 300				

Inch	Individual				
Code No.	Range*2 (in)	Graduation (in)	Maximum permissible error J_{MPE} (in)*1	Extension Rod (optional)	
368-864	0.5 - 0.65	0.0002	±0.00015 (maximum difference 0.00015)	952621 (150 mm)	
368-865	0.65 - 0.8			952622 (150 mm)	
368-866	0.8 - 1				
368-867	1 - 1.2				
368-868	1.2 - 1.6		±0.0002 (maximum difference 0.0002)	952623 (150 mm)	
368-869	1.6 - 2				
368-870	2 - 2.5				
368-871	2.5 - 3				
368-872	3 - 3.5		±0.00025 (maximum difference 0.00025)		
368-873	3.5 - 4				
368-874	4 - 5				
368-875	5 - 6		±0.0003 (maximum difference 0.0003)		
368-876	6 - 7				
368-877	7 - 8				
368-878	8 - 9				
368-879	9 - 10				
368-880	10 - 11				
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 08-57.

DIMENSIONS

Unit: mm

Range	L2	L1
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



Metric			
Code 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	20 - 50		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) 1 pc. each Extension rod (150 mm) 1 pc. Spanner 2 pcs. Hex wrench 1 pc.
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			
Code 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	0.8 - 2		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 pc. each (1 in DIA., 1.6 in DIA.) Extension rod (150 mm) 1 pc. Spanner 2 pcs. Hex wrench 1 pc.
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 1 pc. each (2.5 in DIA., 3.5 in DIA.) 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 1 pc. each (5 in DIA., 7 in DIA.) 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).