

# Digimatic Holtest

## SERIES 468 — Three-Point Internal Micrometers

### FEATURES

- TiN-coated measuring contact points provide excellent durability and impact resistance and allow the instrument to measure to the bottom of a blind hole (up to 100mm / 4" models).
- Large LCD readout.
- Functions available: Presetting, Zero/ABS, Auto power On/Off, Data hold, Data output, Error alarm, Battery replacement alarm.
- With Ratchet Stop for constant force.
- Measure deep holes by attaching an extension rod (optional).
- Setting rings for origin point setting are optional.
- Supplied in fitted plastic case up to 100mm / 4". Over 100mm / 4" supplied in wooden case.



468-261



468-263



468-274



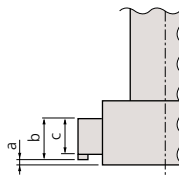
TiN-coated contact points  
(" -10" suffix models only)

### DIMENSIONS AND MASS

| Unit: mm                |       |          |  |
|-------------------------|-------|----------|--|
| Range                   | L     | Mass (g) |  |
| 6 - 8mm / .275 - .35"   | 59    | 400      |  |
| 8 - 10mm / .35 - .425"  | 59    | 400      |  |
| 10 - 12mm / .425 - .5"  | 59    | 400      |  |
| 12 - 16mm / .5 - .65"   | 84    | 430      |  |
| 16 - 20mm / .65 - .8"   | 84    | 430      |  |
| 20 - 25mm / .8 - 1"     | 93    | 500      |  |
| 25 - 30mm / 1 - 1.2"    | 93    | 510      |  |
| 30 - 40mm / 1.2 - 1.6"  | 103.8 | 510      |  |
| 40 - 50mm / 1.6 - 2"    | 103.8 | 530      |  |
| 50 - 63mm / 2 - 2.5"    | 105.4 | 650      |  |
| 62 - 75mm / 2.5 - 3.0"  | 105.4 | 660      |  |
| 75 - 88mm / 3.0 - 3.5"  | 105.4 | 990      |  |
| 87 - 100mm / 3.5 - 4.0" | 105.4 | 1000     |  |
| 100 - 125mm / 4 - 5"    | 151.4 | 970      |  |
| 125 - 150mm / 5 - 6"    | 151.4 | 1060     |  |
| 150 - 175mm / 6 - 7"    | 151.4 | 1150     |  |
| 175 - 200mm / 7 - 8"    | 151.4 | 1240     |  |
| 200 - 225mm / 8 - 9"    | 151.4 | 1330     |  |
| 225 - 250mm / 9 - 10"   | 151.4 | 1420     |  |
| 250 - 275mm / 10 - 11"  | 151.4 | 1510     |  |
| 275 - 300mm / 11 - 12"  | 151.4 | 1600     |  |

### Measuring a Blind Hole

The measuring contact points held in the jaws permit measuring the diameter of a blind hole to the bottom.  
(up to 100mm / 4" models)



| Range                 | a    | b   | c    |
|-----------------------|------|-----|------|
| 6 - 12mm / .275 - .5" | 2    | —   | 2.5  |
| 12 - 20mm / .5 - .8"  | 0.3  | 5.6 | 3.5  |
| 20 - 30mm / .8 - 1.2" | 0.3  | 8.3 | 5.2  |
| 30 - 50mm / 1.2 - 2"  | 0.3  | 13  | 10   |
| 50 - 100mm / 2 - 4"   | 0.3  | 17  | 14   |
| 100 - 300mm / 4 - 12" | 12.4 | 21  | 13.8 |



### Technical Data

Accuracy: Refer to the list of specifications.  
Resolution: 0.001mm or .00005"/0.001mm  
(over 4 - 5" models: .0001"/0.001mm)  
Contact point: TiN coating  
Measuring method: Three-point method  
Display: LCD  
Battery: SR44 (2 pcs.), **938882**  
Battery life: Approx. 1.2 years under normal use

### Function

Zero/ABS, Auto Power On/Off, Data hold, Data output,  
Preset, inch/mm conversion (on inch/metric models only)  
Alarm: Low voltage, Counting value composition error

### Optional Accessories

**05CZA662**: SPC cable (1m / 40")

**05CZA663**: SPC cable (2m / 80")

**04AZB157**: Mounting plate for stand

**156-101-10**: Stand

**952322**: Extension rod 100mm / 3.94"  
For range 6-12mm / .275 - .5" models

**952621**: Extension rod 150mm / 5.9"  
For range 12-20mm / .5" - .8" models

**952622**: Extension rod 150mm / 5.9"  
For range 20-50mm / .8" - 2" models

**952623**: Extension rod 150mm / 5.9"  
For range 50-300mm / 2" - 12" models



04AZB157

## SPECIFICATIONS

| Metric  |          | with TiN-coated contact points |                    |
|---------|----------|--------------------------------|--------------------|
| Range   | Accuracy | Order Code                     |                    |
|         |          | Individual                     | Main Body Assembly |
| 6-8     | ±2µm     | <b>468-161</b>                 | 04AZB106           |
| 8-10    |          | <b>468-162</b>                 |                    |
| 10-12   |          | <b>468-163</b>                 |                    |
| 12-16   |          | <b>468-164</b>                 | 04AZB107           |
| 16-20   |          | <b>468-165</b>                 |                    |
| 20-25   | ±3µm     | <b>468-166</b>                 | 04AZB108           |
| 25-30   |          | <b>468-167</b>                 |                    |
| 30-40   |          | <b>468-168</b>                 |                    |
| 40-50   |          | <b>468-169</b>                 | 04AZB109           |
| 50-63   |          | <b>468-170</b>                 |                    |
| 62-75   | ±5µm     | <b>468-171</b>                 | 04AZB110           |
| 75-88   |          | <b>468-172</b>                 |                    |
| 87-100  |          | <b>468-173</b>                 |                    |
| 100-125 |          | <b>468-174</b>                 | 04AZB110           |
| 125-150 |          | <b>468-175</b>                 |                    |
| 150-175 |          | <b>468-176</b>                 |                    |
| 175-200 | ±5µm     | <b>468-177</b>                 | 04AZB110           |
| 200-225 |          | <b>468-178</b>                 |                    |
| 225-250 |          | <b>468-179</b>                 |                    |
| 250-275 |          | <b>468-180</b>                 | 04AZB110           |
| 275-300 |          | <b>468-181</b>                 |                    |

| Inch/Metric               |          | with TiN-coated contact points |                    |
|---------------------------|----------|--------------------------------|--------------------|
| Range                     | Accuracy | Order Code                     |                    |
|                           |          | Individual                     | Main Body Assembly |
| .275-.35" / 6.925-8.89mm  | ±.0001"  | <b>468-261</b>                 | 04AZB111           |
| .35-.425" / 8.89-10.795mm |          | <b>468-262</b>                 |                    |
| .425-.5" / 10.795-12.7mm  |          | <b>468-263</b>                 |                    |
| .5-.65" / 12.7-16.51mm    |          | <b>468-264</b>                 | 04AZB112           |
| .65-.8" / 16.51-20.32mm   |          | <b>468-265</b>                 |                    |
| .8-1" / 20.32-25.4mm      | ±.00015" | <b>468-266</b>                 | 04AZB113           |
| 1-1.2" / 25.4-30.48mm     |          | <b>468-267</b>                 |                    |
| 1.2-1.6" / 30.48-40.64mm  |          | <b>468-268</b>                 |                    |
| 1.6-2" / 40.64-50.8mm     |          | <b>468-269</b>                 | 04AZB114           |
| 2-2.5" / 50.8-63.5mm      |          | <b>468-270</b>                 |                    |
| 2.5-3" / 63.5-76.2mm      | ±.00025" | <b>468-271</b>                 | 04AZB115           |
| 3-3.5" / 76.2-88.9mm      |          | <b>468-272</b>                 |                    |
| 3.5-4" / 88.9-101.6mm     |          | <b>468-273</b>                 |                    |
| 4-5" / 101.6-127mm        |          | <b>468-274</b>                 | 04AZB115           |
| 5-6" / 127-152.4mm        |          | <b>468-275</b>                 |                    |
| 6-7" / 152.4-177.8mm      |          | <b>468-276</b>                 |                    |
| 7-8" / 177.8-203.2mm      | ±.00025" | <b>468-277</b>                 | 04AZB115           |
| 8-9" / 203.2-228.6mm      |          | <b>468-278</b>                 |                    |
| 9-10" / 228.6-254mm       |          | <b>468-279</b>                 |                    |
| 10-11" / 254-279.4mm      |          | <b>468-280</b>                 | 04AZB115           |
| 11-12" / 279.4-304.8mm    |          | <b>468-281</b>                 |                    |

### Complete Unit Set

Each set includes complete gages (display units and measuring heads for each size).

| Metric     |                | with TiN-coated contact points |                        |         |
|------------|----------------|--------------------------------|------------------------|---------|
| Range      | Order No.      | Individual range               | Setting rings included | Remarks |
| 6 - 12mm   | <b>468-981</b> | 6-8, 8-10, 10-12mm             | ø8mm, ø10mm            | —       |
| 12 - 25mm  | <b>468-982</b> | 12-16, 16-20, 20-25mm          | ø16mm, ø20mm           | —       |
| 25 - 50mm  | <b>468-983</b> | 25-30, 30-40, 40-50mm          | ø30mm, ø40mm           | —       |
| 50 - 75mm  | <b>468-984</b> | 50-63, 62-75mm                 | ø62mm                  | —       |
| 75 - 100mm | <b>468-985</b> | 75-88, 87-100mm                | ø87mm                  | —       |

| Inch/Metric                 |                | with TiN-coated contact points |                        |         |
|-----------------------------|----------------|--------------------------------|------------------------|---------|
| Range                       | Order No.      | Individual range               | Setting rings included | Remarks |
| .275 - .5" / 6.925 - 12.7mm | <b>468-986</b> | .275-.35", .35-.425", .425-.5" | .35" DIA., .425" DIA.  | —       |
| .5 - 1" / 12.7 - 25.4mm     | <b>468-987</b> | .5-.65", .65-.8", .8-1"        | .65" DIA., .8" DIA.    | —       |
| 1 - 2" / 25.4 - 50.8mm      | <b>468-988</b> | 1-1.2", 1.2-1.6", 1.6-2"       | 1.2" DIA., 1.6" DIA.   | —       |
| 2 - 3" / 50.8 - 76.2mm      | <b>468-989</b> | 2-2.5", 2.5-3"                 | 2.5" DIA.              | —       |
| 3 - 4" / 76.2 - 101.6mm     | <b>468-990</b> | 3-3.5", 3.5-4"                 | 3.5" DIA.              | —       |

### Interchangeable Head Set

Each set includes one display unit with interchangeable measuring heads of the sizes specified.

| Metric      |                | with TiN-coated contact points       |                        |                    |
|-------------|----------------|--------------------------------------|------------------------|--------------------|
| Range       | Order No.      | Individual range                     | Setting rings included | Remarks            |
| 6 - 12mm    | <b>468-971</b> | 6-8, 8-10, 10-12mm                   | ø8mm, ø10mm            | with extension rod |
| 12 - 20mm   | <b>468-972</b> | 12-16, 16-20mm                       | ø16mm.                 | with extension rod |
| 20 - 50mm   | <b>468-973</b> | 20-25, 25-30, 30-40, 40-50mm         | ø25mm, ø40mm           | with extension rod |
| 50 - 100mm  | <b>468-974</b> | 50-63, 62-75, 75-88, 87-100mm        | ø62mm, ø87mm           | with extension rod |
| 100 - 200mm | <b>468-975</b> | 100-125, 125-150, 150-175, 175-200mm | ø125mm, ø175mm         | with extension rod |

| Inch/Metric                 |                | with TiN-coated contact points  |                        |                    |
|-----------------------------|----------------|---------------------------------|------------------------|--------------------|
| Range                       | Order No.      | Individual range                | Setting rings included | Remarks            |
| .275 - .5" / 6.925 - 12.7mm | <b>468-976</b> | .275-.35", .35-.425", .425-.5"  | .35" DIA., .425" DIA.  | with extension rod |
| .5 - .8" / 12.7 - 20.32mm   | <b>468-977</b> | .5-.65", .65-.8"                | .65" DIA.              | with extension rod |
| .8 - 2" / 20.32 - 50.8mm    | <b>468-978</b> | .8-1", 1-1.2", 1.2-1.6", 1.6-2" | 1" DIA., 1.6" DIA.     | with extension rod |
| 2 - 4" / 50.8 - 101.6mm     | <b>468-979</b> | 2-2.5", 2.5-3", 3-3.5", 3.5-4"  | 2.5" DIA., 3.5" DIA.   | with extension rod |
| 4 - 8" / 101.6 - 203.2mm    | <b>468-980</b> | 4-5", 5-6", 6-7", 7-8"          | 5" DIA., 7" DIA.       | with extension rod |



468-986



468-978

# Holtest

## SERIES 368 — Three-Point/Two-Point Internal Micrometers

These Holtests are versatile, self-centering three-point internal micrometers for the accurate and efficient direct-measurement of internal diameters. Three anvils, evenly spaced at 120° apart, contact the internal wall surfaces and find true alignment with the axis of the bore for accurate ID measurement.



368-268



368-174

### FEATURES

- TiN-coated measuring contact points (over 6mm / .275" range models) provide excellent durability and impact resistance and allow the instrument to measure to the bottom of a blind hole (up to 100mm / 4" models).
- Highly durable because of carbide-tipped contact points (anvils up to 12mm / .5" models).
- Measure deep holes using an extension rod (optional) which is available on models over 6mm (.275") measuring range.
- With Ratchet Stop for constant force.
- Setting rings for zero point adjustment are optional.
- Supplied in fitted plastic case up to 100mm / 4". Over 100mm / 4" supplied in wooden case.



368-001

### Two-point contact type

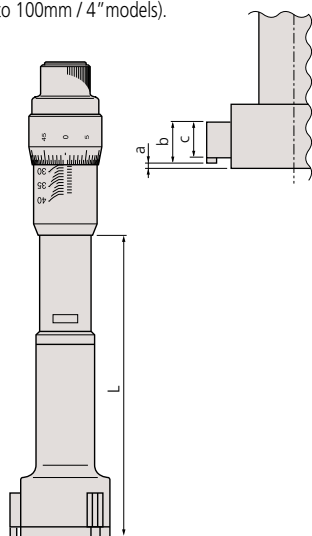


TiN-coated contact points (excluding models up to 12mm/.5")

### DIMENSIONS

#### Measuring a Blind Hole

The measuring contact points held in the jaws permit measuring the diameter of a blind hole right down to the bottom (up to 100mm / 4" models).



| Range                  | L   | Mass (g) | Range                  | L   | Mass (g) |
|------------------------|-----|----------|------------------------|-----|----------|
| 2 - 2.5mm / .08 - .1"  | 12  | 88       | 40 - 50mm / 1.6 - 2"   | 102 | 330      |
| 2.5 - 3mm / .1 - .12"  | 12  | 88       | 50 - 63mm / 2 - 2.5"   | 105 | 440      |
| 3 - 4mm / .12 - .16"   | 22  | 91       | 62 - 75mm / 2.5 - 3"   | 105 | 450      |
| 4 - 5mm / .16 - .2"    | 22  | 91       | 75 - 88mm / 3 - 3.5"   | 105 | 490      |
| 5 - 6mm / .2 - .24"    | 22  | 91       | 87 - 100mm / 3.5 - 4"  | 105 | 500      |
| 6 - 8mm / .275 - .35"  | 59  | 57       | 100 - 125mm / 4 - 5"   | 161 | 1050     |
| 8 - 10mm / .35 - .425" | 59  | 58       | 125 - 150mm / 5 - 6"   | 161 | 1120     |
| 10 - 12mm / .425 - .5" | 59  | 59       | 150 - 175mm / 6 - 7"   | 161 | 1190     |
| 12 - 16mm / .5 - .65"  | 82  | 140      | 175 - 200mm / 7 - 8"   | 161 | 1260     |
| 16 - 20mm / .65 - .8"  | 82  | 145      | 200 - 225mm / 8 - 9"   | 161 | 1420     |
| 20 - 25mm / .8 - 1"    | 94  | 250      | 225 - 250mm / 9 - 10"  | 161 | 1580     |
| 25 - 30mm / 1 - 1.2"   | 94  | 270      | 250 - 275mm / 10 - 11" | 161 | 1600     |
| 30 - 40mm / 1.2 - 1.6" | 102 | 290      | 275 - 300mm / 11 - 12" | 161 | 1690     |

| Range                 | a    | b   | c    |
|-----------------------|------|-----|------|
| 2 - 6mm / .08 - .275" | —    | —   | 2    |
| 6 - 12mm / .275 - .5" | 2    | —   | 2.5  |
| 12 - 20mm / .5 - .8"  | 0.3  | 5.6 | 3.5  |
| 20 - 30mm / .8 - 1.2" | 0.3  | 8.3 | 5.2  |
| 30 - 50mm / 1.2 - 2"  | 0.3  | 13  | 10   |
| 50 - 100mm / 2 - 4"   | 0.3  | 17  | 14   |
| 100 - 300mm / 4 - 12" | 12.4 | 21  | 13.8 |



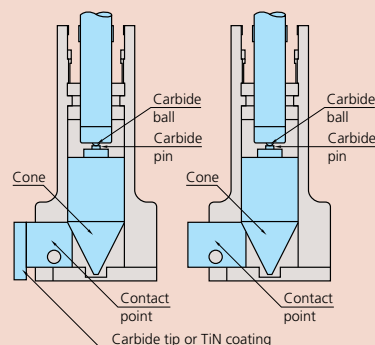
### Technical Data

Graduation: 0.001mm, 0.005mm\*, .0001" or .0002"\*  
(\*over 12mm or .5" models)

| Range            | Measuring method   | Contact-point material    |
|------------------|--------------------|---------------------------|
| 2-6mm/.08-.28"   | Two-point method   | Carbide                   |
| 6-300mm/.275-12" | Three-point method | TiN coating (1700-2000HV) |

### Optional Accessories

- 952322:** Extension rod 100mm / 3.94"  
For range 6-12mm / .275-.5" models
- 952621:** Extension rod 150mm / 5.9"  
For range 12-20mm / .5" - .8" models
- 952622:** Extension rod 150mm / 5.9"  
For range 20-50mm / .8" - 2" models
- 952623:** Extension rod 150mm / 5.9"  
For range 50-300mm / 2"-12" models



Using the optional extension rod



## SPECIFICATIONS

**Metric** Individual ☐ with TiN-coated contact points

| Range       | Order No.      | Accuracy |
|-------------|----------------|----------|
| 2 - 2.5mm   | <b>368-001</b> | ±2µm     |
| 2.5 - 3mm   | <b>368-002</b> | ±2µm     |
| 3 - 4mm     | <b>368-003</b> | ±2µm     |
| 4 - 5mm     | <b>368-004</b> | ±2µm     |
| 5 - 6mm     | <b>368-005</b> | ±2µm     |
| 6 - 8mm     | <b>368-161</b> | ±2µm     |
| 8 - 10mm    | <b>368-162</b> | ±2µm     |
| 10 - 12mm   | <b>368-163</b> | ±2µm     |
| 12 - 16mm   | <b>368-164</b> | ±2µm     |
| 16 - 20mm   | <b>368-165</b> | ±2µm     |
| 20 - 25mm   | <b>368-166</b> | ±3µm     |
| 25 - 30mm   | <b>368-167</b> | ±3µm     |
| 30 - 40mm   | <b>368-168</b> | ±3µm     |
| 40 - 50mm   | <b>368-169</b> | ±3µm     |
| 50 - 63mm   | <b>368-170</b> | ±3µm     |
| 62 - 75mm   | <b>368-171</b> | ±3µm     |
| 75 - 88mm   | <b>368-172</b> | ±3µm     |
| 87 - 100mm  | <b>368-173</b> | ±3µm     |
| 100 - 125mm | <b>368-174</b> | ±5µm     |
| 125 - 150mm | <b>368-175</b> | ±5µm     |
| 150 - 175mm | <b>368-176</b> | ±5µm     |
| 175 - 200mm | <b>368-177</b> | ±5µm     |
| 200 - 225mm | <b>368-178</b> | ±5µm     |
| 225 - 250mm | <b>368-179</b> | ±5µm     |
| 250 - 275mm | <b>368-180</b> | ±5µm     |
| 275 - 300mm | <b>368-181</b> | ±5µm     |

**Inch** Individual ☐ with TiN-coated contact points

| Range       | Order No.      | Accuracy |
|-------------|----------------|----------|
| .08 - .1"   | <b>368-021</b> | ±.0001"  |
| .1 - .12"   | <b>368-022</b> | ±.0001"  |
| .12 - .16"  | <b>368-023</b> | ±.0001"  |
| .16 - .2"   | <b>368-024</b> | ±.0001"  |
| .2 - .24"   | <b>368-025</b> | ±.0001"  |
| .24 - .28"  | <b>368-026</b> | ±.0001"  |
| .275 - .35" | <b>368-261</b> | ±.0001"  |
| .35 - .425" | <b>368-262</b> | ±.0001"  |
| .425 - .5"  | <b>368-263</b> | ±.0001"  |
| .5 - .65"   | <b>368-264</b> | ±.0001"  |
| .65 - .8"   | <b>368-265</b> | ±.0001"  |
| .8 - 1"     | <b>368-266</b> | ±.00015" |
| 1 - 1.2"    | <b>368-267</b> | ±.00015" |
| 1.2 - 1.6"  | <b>368-268</b> | ±.00015" |
| 1.6 - 2"    | <b>368-269</b> | ±.00015" |
| 2 - 2.5"    | <b>368-270</b> | ±.00015" |
| 2.5 - 3"    | <b>368-271</b> | ±.00015" |
| 3 - 3.5"    | <b>368-272</b> | ±.00015" |
| 3.5 - 4"    | <b>368-273</b> | ±.00015" |
| 4 - 5"      | <b>368-274</b> | ±.00025" |
| 5 - 6"      | <b>368-275</b> | ±.00025" |
| 6 - 7"      | <b>368-276</b> | ±.00025" |
| 7 - 8"      | <b>368-277</b> | ±.00025" |
| 8 - 9"      | <b>368-278</b> | ±.00025" |
| 9 - 10"     | <b>368-279</b> | ±.00025" |
| 10 - 11"    | <b>368-280</b> | ±.00025" |
| 11 - 12"    | <b>368-281</b> | ±.00025" |

### Complete Unit Set

Each set includes complete gages (micrometer head units and measuring heads for each size).

**Metric** Individual ☐ with TiN-coated contact points

| Range       | Order No.      | Individual range                     | Setting rings included | Remarks            |
|-------------|----------------|--------------------------------------|------------------------|--------------------|
| 2 - 3mm     | <b>368-906</b> | 2-2.5, 2.5-3mm                       | ø2.5mm                 | —                  |
| 3 - 6mm     | <b>368-907</b> | 3-4, 4-5, 5-6mm                      | ø4mm, ø5mm             | —                  |
| 6 - 12mm    | <b>368-911</b> | 6-8, 8-10, 10-12mm                   | ø8mm, ø10mm            | with extension rod |
| 12 - 20mm   | <b>368-912</b> | 12-16, 16-20mm                       | ø16mm                  | with extension rod |
| 20 - 50mm   | <b>368-913</b> | 20-25, 25-30, 30-40, 40-50mm         | ø25mm, ø40mm           | with extension rod |
| 50 - 100mm  | <b>368-914</b> | 50-63, 62-75, 75-88, 87-100mm        | ø62mm, ø87mm           | with extension rod |
| 100 - 200mm | <b>368-915</b> | 100-125, 125-150, 150-175, 175-200mm | ø125mm, ø175mm         | with extension rod |

**Inch** Individual ☐ with TiN-coated contact points

| Range       | Order No.      | Individual range                     | Setting rings included | Remarks            |
|-------------|----------------|--------------------------------------|------------------------|--------------------|
| .08" - .12" | <b>368-926</b> | .08-.1", .1-.12"                     | .1" DIA.               | —                  |
| .12" - .28" | <b>368-927</b> | .12-.16", .16-.2", .2-.24", .24-.28" | .16" DIA., .24" DIA.   | —                  |
| .275" - .5" | <b>368-916</b> | .275-.35", .35-.425", .425-.5"       | .35" DIA., .5" DIA.    | with extension rod |
| .5" - .8"   | <b>368-917</b> | .5-.65", .65-.8"                     | .65" DIA.              | with extension rod |
| .8" - 2"    | <b>368-918</b> | .8-1", 1-1.2", 1.2-1.6", 1.6-2"      | 1" DIA., 1.6" DIA.     | with extension rod |
| 2" - 4"     | <b>368-919</b> | 2-2.5", 2.5-3", 3-3.5", 3.5-4"       | 2.5" DIA., 3.5" DIA.   | with extension rod |
| 4" - 8"     | <b>368-920</b> | 4-5", 5-6", 6-7", 7-8"               | 5" DIA., 7" DIA.       | with extension rod |

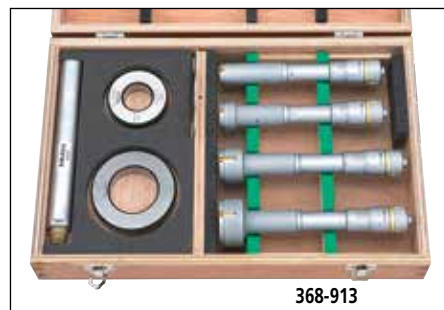
\*.0001" graduation



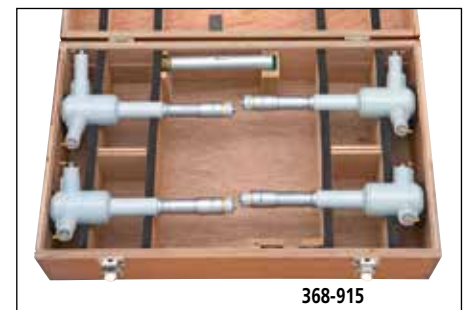
368-906



368-911



368-913



368-915

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# Holtest (Type II)

## SERIES 368 — Three-Point Internal Micrometers

### FEATURES

- The Holtests (type II) have three contact points made of alloy steel.
- Measurement can be taken closer to the bottom of the blind bore (up to 100mm / 4" models).
- Measure deep holes using an extension rod (optional).
- With Ratchet Stop for constant force.
- Setting rings for origin point settings are optional.
- Supplied in fitted plastic case up to 100mm / 4". Over 100mm / 4" supplied in wooden case.



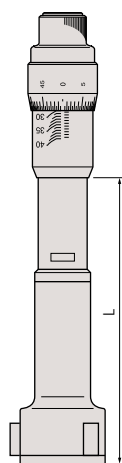
368-869

368-770



368-774

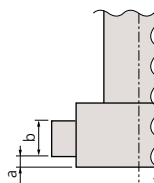
### DIMENSIONS AND MASS



| Range                  | L   | Mass (g) |
|------------------------|-----|----------|
| 12 - 16mm / .5 - .65"  | 82  | 150      |
| 16 - 20mm / .65 - .8"  | 82  | 150      |
| 20 - 25mm / .8 - 1"    | 94  | 260      |
| 25 - 30mm / 1 - 1.2"   | 94  | 280      |
| 30 - 40mm / 1.2 - 1.6" | 102 | 290      |
| 40 - 50mm / 1.6 - 2"   | 102 | 330      |
| 50 - 63mm / 2 - 2.5"   | 105 | 440      |
| 62 - 75mm / 2.5 - 3"   | 105 | 450      |
| 75 - 88mm / 3 - 3.5"   | 105 | 560      |
| 87 - 100mm / 3.5 - 4"  | 105 | 570      |
| 100 - 125mm / 4 - 5"   | 161 | 1020     |
| 125 - 150mm / 5 - 6"   | 161 | 1110     |
| 150 - 175mm / 6 - 7"   | 161 | 1200     |
| 175 - 200mm / 7 - 8"   | 161 | 1300     |
| 200 - 225mm / 8 - 9"   | 161 | 1420     |
| 225 - 250mm / 9 - 10"  | 161 | 1540     |
| 250 - 275mm / 10 - 11" | 161 | 1690     |
| 275 - 300mm / 11 - 12" | 161 | 1860     |

### Measuring a Blind Hole

The measuring contact points held in the jaws permit measuring the diameter of a blind hole right down to the bottom (up to 100mm / 4" models).



| Range                 | a    | b    |
|-----------------------|------|------|
| 12 - 20mm / .5 - .8"  | 2.6  | 3.5  |
| 20 - 30mm / .8 - 1.2" | 3.4  | 5.2  |
| 30 - 50mm / 1.2 - 2"  | 3.4  | 10   |
| 50 - 100mm / 2 - 4"   | 3.4  | 14   |
| 100 - 300mm / 4 - 12" | 19.6 | 13.8 |



### Technical Data

Graduation: 0.005mm or .0002"

Measuring method: Three-point method

Contact point: Hardened steel (over HRC 60)

### Optional Accessories

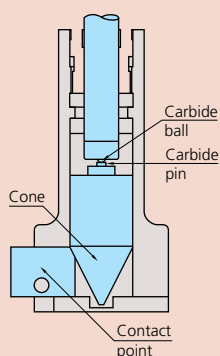
**952621:** Extension rod 150mm / 5.9"  
For range 12-20mm / .5 - .8" models

**952622:** Extension rod 150mm / 5.9"  
For range 20-50mm / .8 - 2" models

**952623:** Extension rod 150mm / 5.9"  
For range 50-300mm / 2 - 12" models

Unit: mm





## HT (Type II)

| Head Assy Order No. | Measuring Range | HT (type II) Order No. |
|---------------------|-----------------|------------------------|
| 04AZA839            | 12 - 16mm       | 368-764                |
| 04AZA840            | 16 - 20mm       | 368-765                |
| 04AZA848            | 20 - 25mm       | 368-766                |
| 04AZA849            | 25 - 30mm       | 368-767                |
| 04AZA857            | 30 - 40mm       | 368-768                |
| 04AZA858            | 40 - 50mm       | 368-769                |
| 04AZA870            | 50 - 63mm       | 368-770                |
| 04AZA871            | 62 - 75mm       | 368-771                |
| 04AZA872            | 75 - 88mm       | 368-772                |
| 04AZA873            | 87 - 100mm      | 368-773                |
| 04AZA895            | 100 - 125mm     | 368-774                |
| 04AZA896            | 125 - 150mm     | 368-775                |
| 04AZA897            | 150 - 175mm     | 368-776                |
| 04AZA898            | 175 - 200mm     | 368-777                |
| 04AZA899            | 200 - 225mm     | 368-778                |
| 04AZA900            | 225 - 250mm     | 368-779                |
| 04AZA901            | 250 - 275mm     | 368-780                |
| 04AZA902            | 275 - 300mm     | 368-781                |
| 04AZA841            | .5 - .65"       | 368-864                |
| 04AZA842            | .65 - .8"       | 368-865                |
| 04AZA850            | .8 - 1"         | 368-866                |
| 04AZA851            | 1 - 1.2"        | 368-867                |
| 04AZA859            | 1.2 - 1.6"      | 368-868                |
| 04AZA860            | 1.6 - 2"        | 368-869                |
| 04AZA874            | 2 - 2.5"        | 368-870                |
| 04AZA875            | 2.5 - 3"        | 368-871                |
| 04AZA876            | 3 - 3.5"        | 368-872                |
| 04AZA877            | 3.5 - 4"        | 368-873                |
| 04AZA903            | 4 - 5"          | 368-874                |
| 04AZA904            | 5 - 6"          | 368-875                |
| 04AZA905            | 6 - 7"          | 368-876                |
| 04AZA906            | 7 - 8"          | 368-877                |
| 04AZA907            | 8 - 9"          | 368-878                |
| 04AZA908            | 9 - 10"         | 368-879                |
| 04AZA909            | 10 - 11"        | 368-880                |
| 04AZA910            | 11 - 12"        | 368-881                |

## SPECIFICATIONS

| Metric      | Individual |
|-------------|------------|
| Range       | Order No.  |
| 12 - 16mm   | 368-764    |
| 16 - 20mm   | 368-765    |
| 20 - 25mm   | 368-766    |
| 25 - 30mm   | 368-767    |
| 30 - 40mm   | 368-768    |
| 40 - 50mm   | 368-769    |
| 50 - 63mm   | 368-770    |
| 62 - 75mm   | 368-771    |
| 75 - 88mm   | 368-772    |
| 87 - 100mm  | 368-773    |
| 100 - 125mm | 368-774    |
| 125 - 150mm | 368-775    |
| 150 - 175mm | 368-776    |
| 175 - 200mm | 368-777    |
| 200 - 225mm | 368-778    |
| 225 - 250mm | 368-779    |
| 250 - 275mm | 368-780    |
| 275 - 300mm | 368-781    |

| Inch       | Individual |
|------------|------------|
| Range      | Order No.  |
| .5 - .65"  | 368-864    |
| .65 - .8"  | 368-865    |
| .8 - 1"    | 368-866    |
| 1 - 1.2"   | 368-867    |
| 1.2 - 1.6" | 368-868    |
| 1.6 - 2"   | 368-869    |
| 2 - 2.5"   | 368-870    |
| 2.5 - 3"   | 368-871    |
| 3 - 3.5"   | 368-872    |
| 3.5 - 4"   | 368-873    |
| 4 - 5"     | 368-874    |
| 5 - 6"     | 368-875    |
| 6 - 7"     | 368-876    |
| 7 - 8"     | 368-877    |
| 8 - 9"     | 368-878    |
| 9 - 10"    | 368-879    |
| 10 - 11"   | 368-880    |
| 11 - 12"   | 368-881    |

## Complete Unit Set

Each set includes complete gages (micrometer head units and measuring heads for each size).

| Metric      | Individual range | Setting rings included               | Remarks                           |
|-------------|------------------|--------------------------------------|-----------------------------------|
| Range       | Order No.        |                                      |                                   |
| 12 - 20mm   | 368-991          | 12-16, 16-20mm                       | ø16mm with extension rod          |
| 20 - 50mm   | 368-992          | 20-25, 25-30, 30-40, 40-50mm         | ø25mm, ø40mm with extension rod   |
| 50 - 100mm  | 368-993          | 50-63, 62-75, 75-88, 87-100mm        | ø62mm, ø87mm with extension rod   |
| 100 - 200mm | 368-994          | 100-125, 125-150, 150-175, 175-200mm | ø125mm, ø175mm with extension rod |

| Inch      | Individual range | Setting rings included          | Remarks                                 |
|-----------|------------------|---------------------------------|-----------------------------------------|
| Range     | Order No.        |                                 |                                         |
| .5" - .8" | 368-995          | .5-.65", .65-.8"                | .65" DIA. with extension rod            |
| .8" - 2"  | 368-996          | .8-1", 1-1.2", 1.2-1.6", 1.6-2" | 1" DIA., 1.6" DIA. with extension rod   |
| 2" - 4"   | 368-997          | 2-2.5", 2.5-3", 3-3.5", 3.5-4"  | 2.5" DIA., 3.5" DIA. with extension rod |
| 4" - 8"   | 368-998          | 4-5", 5-6", 6-7", 7-8"          | 5" DIA., 7" DIA. with extension rod     |



368-991



368-992



368-993



368-994

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# Borematic

## SERIES 568 — ABSOLUTE Digimatic Snap Bore Gages

The Borematic enables the operator to take measurements more accurately and quicker than ever before. Once the origin point is set with the ORIGIN button, the Borematic retains the setting for the entire battery life, therefore, no longer repeated origin setting (presetting) is necessary.

### FEATURES

- TiN-coated measuring contact points provide excellent durability and impact resistance and allow the instrument to measure to the bottom of a blind hole.
- Large LCD digits of 8.5mm height for easy reading.
- 330-degree rotatable display unit for easy reading at any angle.
- Go/no-go judgment function.
- The ABSOLUTE linear encoder eliminates over-speed errors.
- With SPC data output.
- Setting rings for origin point setting are optional.
- Measure deep holes by attaching an optional extension rod.
- Measurement can be taken closer to the bottom of a blind bore.
- Supplied in fitted wooden case.



TiN-coated contact points (" -10" suffix models only)

### SPECIFICATIONS

Metric \_\_\_\_\_ Individual

| Range       | Order No.      | Accuracy | Mass (g) |
|-------------|----------------|----------|----------|
| 6 - 8mm     | <b>568-361</b> | ±5µm     | 480      |
| 8 - 10mm    | <b>568-362</b> | ±5µm     | 485      |
| 10 - 12mm   | <b>568-363</b> | ±5µm     | 485      |
| 12 - 16mm   | <b>568-364</b> | ±5µm     | 475      |
| 16 - 20mm   | <b>568-365</b> | ±5µm     | 480      |
| 20 - 25mm   | <b>568-366</b> | ±6µm     | 540      |
| 25 - 30mm   | <b>568-367</b> | ±6µm     | 555      |
| 30 - 40mm   | <b>568-368</b> | ±6µm     | 565      |
| 40 - 50mm   | <b>568-369</b> | ±6µm     | 610      |
| 50 - 63mm   | <b>568-370</b> | ±6µm     | 730      |
| 62 - 75mm   | <b>568-371</b> | ±6µm     | 740      |
| 75 - 88mm   | <b>568-372</b> | ±6µm     | 790      |
| 87 - 100mm  | <b>568-373</b> | ±6µm     | 800      |
| 100 - 113mm | <b>568-374</b> | ±6µm     | 900      |
| 112 - 125mm | <b>568-375</b> | ±6µm     | 910      |

Inch/Metric \_\_\_\_\_

| Range                          | Order No.      | Accuracy | Mass (g) |
|--------------------------------|----------------|----------|----------|
| .275 - .350" / 6.985 - 8.89mm  | <b>568-461</b> | ±.00025" | 480      |
| .350 - .425" / 8.89 - 10.795mm | <b>568-462</b> | ±.00025" | 485      |
| .425 - .5" / 10.795 - 12.7mm   | <b>568-463</b> | ±.00025" | 485      |
| .50 - .65" / 12.7 - 16.51mm    | <b>568-464</b> | ±.00025" | 475      |
| .65 - .80" / 16.51 - 20.32mm   | <b>568-465</b> | ±.00025" | 480      |
| .8 - 1.0" / 20.32 - 25.4mm     | <b>568-466</b> | ±.0003"  | 540      |
| 1.0 - 1.2" / 25.4 - 30.48mm    | <b>568-467</b> | ±.0003"  | 555      |
| 1.2 - 1.6" / 30.48 - 40.64mm   | <b>568-468</b> | ±.0003"  | 565      |
| 1.6 - 2.0" / 40.64 - 50.8mm    | <b>568-469</b> | ±.0003"  | 610      |
| 2.0 - 2.5" / 50.8 - 63.5mm     | <b>568-470</b> | ±.0003"  | 730      |
| 2.5 - 3.0" / 63.5 - 76.2mm     | <b>568-471</b> | ±.0003"  | 740      |
| 3.0 - 3.5" / 76.2 - 88.9mm     | <b>568-472</b> | ±.0003"  | 790      |
| 3.5 - 4.0" / 88.9 - 101.6mm    | <b>568-473</b> | ±.0003"  | 800      |
| 4.0 - 4.5" / 101.6 - 114.3mm   | <b>568-474</b> | ±.0003"  | 900      |
| 4.5 - 5.0" / 114.3 - 127mm     | <b>568-475</b> | ±.0003"  | 910      |

SPC



**ABSOLUTE®**  
Absolute System Patented by MTUTOTOYO

### Technical Data

Accuracy: Refer to the list of specifications.

Resolution: 0.001mm or .00005"/0.001mm

Contact point: Carbide or TiN coating\*  
(\*over 12mm/.5" models)

Measuring method: Three-point method

Display: LCD

Battery: SR44 (1 pc.) (**938882**)

Battery life: Approx. 7,000 hours

### Functions

Zero/ABS, presetting, go/no-go judgment, power on/off, inch/mm conversion (on inch/metric models only), SPC data output, data hold

### Optional Accessories

**905338:** SPC cable (1m / 40")

**905409:** SPC cable (2m / 80")

**952322:** Extension rod 100mm / 3.94"  
For range 6-12mm / .275-.5" models

**952621:** Extension rod 150mm / 5.9"  
For range 12-20mm / .5" - .8" models

**952622:** Extension rod 150mm / 5.9"  
For range 20-50mm / .8" - 2" models

**952623:** Extension rod 150mm / 5.9"  
For range 50-300mm / 2"-12" models

---- : Setting ring (See page C-29.)



## Complete Unit Set

Each set includes complete gage display units and measuring heads for each size and extension rod.

### Metric

| Range      | Set Order No. | Individual Order No.        | Setting rings included             |
|------------|---------------|-----------------------------|------------------------------------|
| 6 - 12mm   | 568-955       | 568-361, 568-362<br>568-363 | 177-125 (ø8mm)<br>177-126 (ø10mm)  |
| 12 - 25mm  | 568-956       | 568-364, 568-365<br>568-366 | 177-177 (ø16mm)<br>177-286 (ø20mm) |
| 25 - 50mm  | 568-957       | 568-367, 568-368<br>568-369 | 177-139 (ø25mm)<br>177-290 (ø40mm) |
| 50 - 75mm  | 568-958       | 568-370<br>568-371          | 177-314 (ø62mm)                    |
| 75 - 100mm | 568-959       | 568-372<br>568-373          | 177-318 (ø87mm)                    |

### Inch/Metric

| Range                           | Set Order No. | Individual Order No.        | Setting rings included                      |
|---------------------------------|---------------|-----------------------------|---------------------------------------------|
| .275" - .5" /<br>6.985 - 12.7mm | 568-965       | 568-461, 568-462<br>568-463 | 177-179 (.35" DIA.)<br>177-283 (.425" DIA.) |
| .5" - 1" /<br>12.7 - 25.4mm     | 568-966       | 568-464, 568-465<br>568-466 | 177-182 (.65" DIA.)<br>177-287 (.8" DIA.)   |
| 1" - 2" /<br>25.4 - 50.8mm      | 568-967       | 568-467, 568-468<br>568-469 | 177-289 (1.2" DIA.)<br>177-291 (1.6" DIA.)  |
| 2" - 3" /<br>50.8 - 76.2mm      | 568-968       | 568-470<br>568-471          | 177-315 (2.5" DIA.)                         |
| 3" - 4" /<br>76.2 - 101.6mm     | 568-969       | 568-472<br>568-473          | 177-319 (3.5" DIA.)                         |

## Interchangeable Contact Head Set



568-924

## Interchangeable Head Set

Each set includes one display unit with interchangeable measuring heads of the sizes specified and extension rod.

### Metric

| Range      | Set Order No. | Display Unit | Adaptor Supplied | Individual Head No.                      | Setting rings included             |
|------------|---------------|--------------|------------------|------------------------------------------|------------------------------------|
| 6 - 12mm   | 568-924       | 568-014      | 954595           | 04AZB136<br>04AZB137<br>04AZB138         | 177-125 (ø8mm)<br>177-126 (ø10mm)  |
| 12 - 25mm  | 568-925       | 568-014      | 216556<br>216557 | 04AZA719<br>04AZA720<br>04AZA728         | 177-177 (ø16mm)<br>177-286 (ø20mm) |
| 25 - 50mm  | 568-926       | 568-014      | 216557           | 04AZA729<br>04AZA737<br>04AZA738         | 177-288 (ø30mm)<br>177-290 (ø40mm) |
| 50 - 100mm | 568-927       | 568-014      | 216558           | 04AZA750, 04AZA751, 04AZA752<br>04AZA753 | 177-314 (ø62mm)<br>177-318 (ø87mm) |

### Inch/Metric

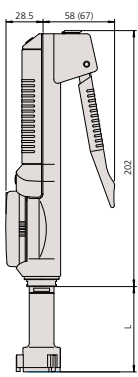
| Range                           | Set Order No. | Display Unit | Adaptor Supplied | Individual Head No.                          | Setting rings included                      |
|---------------------------------|---------------|--------------|------------------|----------------------------------------------|---------------------------------------------|
| .275" - .5" /<br>6.985 - 12.7mm | 568-928       | 568-015      | 954595           | 04AZB139<br>04AZB140<br>04AZB141             | 177-179 (.35" DIA.)<br>177-283 (.425" DIA.) |
| .5" - 1" /<br>12.7 - 25.4mm     | 568-929       | 568-015      | 216556<br>216557 | 04AZA721<br>04AZA722<br>04AZA730             | 177-182 (.65" DIA.)<br>177-287 (.8" DIA.)   |
| 1" - 2" /<br>25.4 - 50.8mm      | 568-930       | 568-015      | 216557           | 04AZA731<br>04AZA739<br>04AZA740             | 177-289 (1.2" DIA.)<br>177-291 (1.6" DIA.)  |
| 2" - 4" /<br>50.8 - 101.6mm     | 568-936       | 568-015      | 216558           | 04AZA754<br>04AZA755<br>04AZA756<br>04AZA757 | 177-315 (2.5" DIA.)<br>177-319 (3.5" DIA.)  |

## Complete Unit Set



568-959

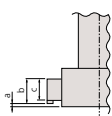
## DIMENSIONS



### Measuring a Blind Hole

The measuring pins held in the jaws permit measuring the diameter of a blind hole right down to the bottom.

Unit: mm



| Range                 | L  | a   | b   | c   |
|-----------------------|----|-----|-----|-----|
| 6 - 12mm / .275 - .5" | 83 | 2   | —   | 2.5 |
| 12 - 20mm / .5 - .8"  | 53 | 0.3 | 5.6 | 3.5 |
| 20 - 30mm / .8 - 1.2" | 59 | 0.3 | 8.3 | 5.2 |
| 30 - 50mm / 1.2 - 2"  | 67 | 0.3 | 13  | 10  |
| 50 - 125mm / 2 - 5"   | 75 | 0.3 | 17  | 14  |

( ) : 50-125mm model

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# Holtest/Digimatic Holtest/Borematic

## SERIES 368, 468, 568 Replacement Head Assembly List

TiN-coated measuring contact head assembly

| Head Assy<br>Order No. | Measuring<br>Range | HT(Type I) |           | HTD       |            | SBM       |            |          |
|------------------------|--------------------|------------|-----------|-----------|------------|-----------|------------|----------|
|                        |                    | Order No.  | Model     | Order No. | Model      | Order No. | Model      | Adaptor* |
| 04AZB136               | 6 - 8mm            | 368-161    | HT-8R     | 468-161   | HTD-8R     | 568-361   | SBM-8C     | 954595   |
| 04AZB137               | 8 - 10mm           | 368-162    | HT-10R    | 468-162   | HTD-10R    | 568-362   | SBM-10C    |          |
| 04AZB138               | 10 - 12mm          | 368-163    | HT-12R    | 468-163   | HTD-12R    | 568-363   | SBM-12C    |          |
| 04AZA719               | 12 - 16mm          | 368-164    | HT-16R    | 468-164   | HTD-16R    | 568-364   | SBM-16C    | 216556   |
| 04AZA720               | 16 - 20mm          | 368-165    | HT-20R    | 468-165   | HTD-20R    | 568-365   | SBM-20C    |          |
| 04AZA728               | 20 - 25mm          | 368-166    | HT-25R    | 468-166   | HTD-25R    | 568-366   | SBM-25C    | 216557   |
| 04AZA729               | 25 - 30mm          | 368-167    | HT-30R    | 468-167   | HTD-30R    | 568-367   | SBM-30C    |          |
| 04AZA737               | 30 - 40mm          | 368-168    | HT-40R    | 468-168   | HTD-40R    | 568-368   | SBM-40C    |          |
| 04AZA738               | 40 - 50mm          | 368-169    | HT-50R    | 468-169   | HTD-50R    | 568-369   | SBM-50C    |          |
| 04AZA750               | 50 - 63mm          | 368-170    | HT-63R    | 468-170   | HTD-63R    | 568-370   | SBM-63C    | 216558   |
| 04AZA751               | 62 - 75mm          | 368-171    | HT-75R    | 468-171   | HTD-75R    | 568-371   | SBM-75C    |          |
| 04AZA752               | 75 - 88mm          | 368-172    | HT-88R    | 468-172   | HTD-88R    | 568-372   | SBM-88C    |          |
| 04AZA753               | 87 - 100mm         | 368-173    | HT-100R   | 468-173   | HTD-100R   | 568-373   | SBM-100C   |          |
| 04AZA775               | 100 - 125mm        | 368-174    | HT-125R   | 468-174   | HTD-125R   | —         | —          | —        |
| 04AZA776               | 125 - 150mm        | 368-175    | HT-150R   | 468-175   | HTD-150R   | —         | —          | —        |
| 04AZA777               | 150 - 175mm        | 368-176    | HT-175R   | 468-176   | HTD-175R   | —         | —          | —        |
| 04AZA778               | 175 - 200mm        | 368-177    | HT-200R   | 468-177   | HTD-200R   | —         | —          | —        |
| 04AZA779               | 200 - 225mm        | 368-178    | HT-225R   | 468-178   | HTD-225R   | —         | —          | —        |
| 04AZA780               | 225 - 250mm        | 368-179    | HT-250R   | 468-179   | HTD-250R   | —         | —          | —        |
| 04AZA781               | 250 - 275mm        | 368-180    | HT-275R   | 468-180   | HTD-275R   | —         | —          | —        |
| 04AZA782               | 275 - 300mm        | 368-181    | HT-300R   | 468-181   | HTD-300R   | —         | —          | —        |
| 04AZB139               | .275 - .35"        | 368-261    | HT-.35"R  | 468-261   | HTD-.35"R  | 568-461   | SBM-.35"C  | 954595   |
| 04AZB140               | .35 - .425"        | 368-262    | HT-.425"R | 468-262   | HTD-.425"R | 568-462   | SBM-.425"C |          |
| 04AZB141               | .425 - .5"         | 368-263    | HT-.5"R   | 468-263   | HTD-.5"R   | 568-463   | SBM-.5"C   |          |
| 04AZA721               | .5 - .65"          | 368-264    | HT-.65"R  | 468-264   | HTD-.65"R  | 568-464   | SBM-.65"C  | 216556   |
| 04AZA722               | .65 - .8"          | 368-265    | HT-.8"R   | 468-265   | HTD-.8"R   | 568-465   | SBM-.8"C   |          |
| 04AZA730               | .8 - 1"            | 368-266    | HT-1"R    | 468-266   | HTD-1"R    | 568-466   | SBM-1"C    | 216557   |
| 04AZA731               | 1 - 1.2"           | 368-267    | HT-1.2"R  | 468-267   | HTD-1.2"R  | 568-467   | SBM-1.2"C  |          |
| 04AZA739               | 1.2 - 1.6"         | 368-268    | HT-1.6"R  | 468-268   | HTD-1.6"R  | 568-468   | SBM-1.6"C  |          |
| 04AZA740               | 1.6 - 2"           | 368-269    | HT-2"R    | 468-269   | HTD-2"R    | 568-469   | SBM-2"C    |          |
| 04AZA754               | 2 - 2.5"           | 368-270    | HT-2.5"R  | 468-270   | HTD-2.5"R  | 568-470   | SBM-2.5"C  | 216558   |
| 04AZA755               | 2.5 - 3"           | 368-271    | HT-3"R    | 468-271   | HTD-3"R    | 568-471   | SBM-3"C    |          |
| 04AZA756               | 3 - 3.5"           | 368-272    | HT-3.5"R  | 468-272   | HTD-3.5"R  | 568-472   | SBM-3.5"C  |          |
| 04AZA757               | 3.5 - 4"           | 368-273    | HT-4"R    | 468-273   | HTD-4"R    | 568-473   | SBM-4"C    |          |
| 04AZA783               | 4 - 5"             | 368-274    | HT-5"R    | 468-274   | HTD-5"R    | —         | —          | —        |
| 04AZA784               | 5 - 6"             | 368-275    | HT-6"R    | 468-275   | HTD-6"R    | —         | —          | —        |
| 04AZA785               | 6 - 7"             | 368-276    | HT-7"R    | 468-276   | HTD-7"R    | —         | —          | —        |
| 04AZA786               | 7 - 8"             | 368-277    | HT-8"R    | 468-277   | HTD-8"R    | —         | —          | —        |
| 04AZA787               | 8 - 9"             | 368-278    | HT-9"R    | 468-278   | HTD-9"R    | —         | —          | —        |
| 04AZA788               | 9 - 10"            | 368-279    | HT-10"R   | 468-279   | HTD-10"R   | —         | —          | —        |
| 04AZA789               | 10 - 11"           | 368-280    | HT-11"R   | 468-280   | HTD-11"R   | —         | —          | —        |
| 04AZA790               | 11 - 12"           | 368-281    | HT-12"R   | 468-281   | HTD-12"R   | —         | —          | —        |
| 04AZA941               | 100 - 113mm        | —          | —         | —         | —          | 568-374   | SBM-113C   | 216558   |
| 04AZA942               | 112 - 125mm        | —          | —         | —         | —          | 568-375   | SBM-125C   |          |
| 04AZA943               | 4 - 4.5"           | —          | —         | —         | —          | 568-474   | SBM-4.5"C  |          |
| 04AZA944               | 4.5 - 5"           | —          | —         | —         | —          | 568-475   | SBM-5"C    |          |

\* Adaptors are required to connect borematic head assemblies and borematic main body units. Sets and complete units include the correct adaptors for the included heads, while individual heads (purchased separately) do not.

Adaptors are not required for Vernier/Digimatic Holtests.

Separately purchased head assemblies are not covered by the guaranteed accuracy for holtests (368/468 series).