

# Tubular Inside Micrometers

## SERIES 139 — Extension-Pipe Type

### FEATURES

- Wide range of ID measurements by combining extension pipes and anvils with the micrometer head.
- Supplied in fitted wooden case, except 500 mm / 20" which comes in plastic case.



#### Metric Extension-pipe type

| Range        | Order No.      | Travel of micrometer head | Extension pipes                          |
|--------------|----------------|---------------------------|------------------------------------------|
| 100 - 125mm  | <b>139-001</b> | 25mm                      | Micrometer Head only                     |
| 100 - 500mm  | <b>139-173</b> | 25mm                      | 25mm, 50mm, 100mm, 200mm                 |
| 100 - 900mm  | <b>139-174</b> | 25mm                      | 25mm, 50mm, 100mm, 200mm, 400mm          |
| 100 - 1300mm | <b>139-175</b> | 25mm                      | 25mm, 50mm, 100mm, 200mm, 400mm (2 pcs.) |
| 100 - 1700mm | <b>139-176</b> | 25mm                      | 25mm, 50mm, 100mm, 200mm, 400mm (3 pcs.) |
| 100 - 2100mm | <b>139-177</b> | 25mm                      | 25mm, 50mm, 100mm, 200mm, 400mm (4 pcs.) |

#### Inch Extension-pipe type

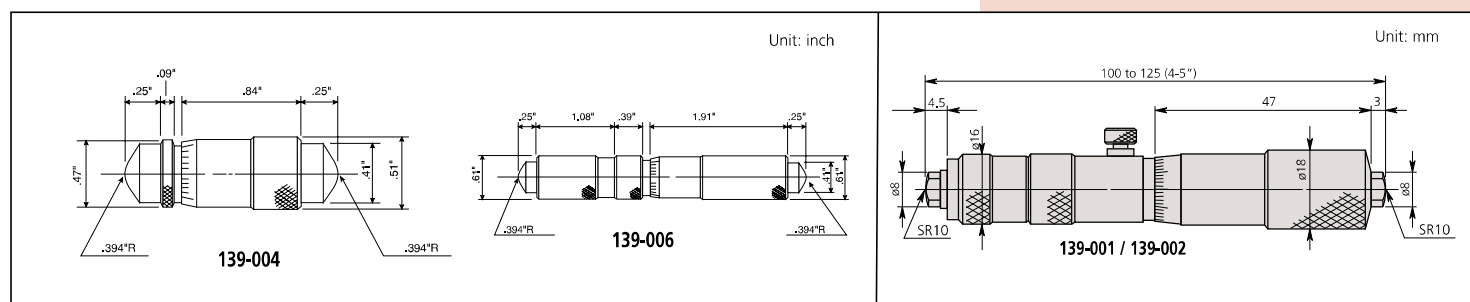
| Range    | Order No.      | Travel of micrometer head | Extension pipes              |
|----------|----------------|---------------------------|------------------------------|
| 4" - 5"  | <b>139-002</b> | 1"                        | Micrometer Head only         |
| 4" - 20" | <b>139-178</b> | 1"                        | 1", 2", 4", 8"               |
| 4" - 36" | <b>139-179</b> | 1"                        | 1", 2", 4", 8", 16"          |
| 4" - 52" | <b>139-180</b> | 1"                        | 1", 2", 4", 8", 16" (2 pcs.) |
| 4" - 68" | <b>139-181</b> | 1"                        | 1", 2", 4", 8", 16" (3 pcs.) |
| 4" - 84" | <b>139-182</b> | 1"                        | 1", 2", 4", 8", 16" (4 pcs.) |



#### Inch Extension-pipe type

| Range     | Order No.      | Travel of micrometer head | Extension pipes                             | Remarks                 |
|-----------|----------------|---------------------------|---------------------------------------------|-------------------------|
| 1.5 - 2"  | <b>139-004</b> | .5"                       | Micrometer Head only                        | —                       |
| 4 - 5"    | <b>139-006</b> | 1"                        | Micrometer Head only                        | —                       |
| 1.5 - 12" | <b>139-201</b> | .5"                       | .5", 1", 2", 2.5", 3", 3.5", 4", 6"         | Includes <b>139-004</b> |
| 4 - 40"   | <b>139-202</b> | 1"                        | 1", 2", 3", 6", 9", 12", 14", 16", 17", 19" | Includes <b>139-006</b> |

### DIMENSIONS



### Technical Data

Metric Model

Accuracy:

- Series 139:  $\pm(3+n+L/50)\mu\text{m}$   
 $L$ =Maximum measuring length (mm)  
 $n$ =number of rods  
 Fraction rounded up

Inch Model

Accuracy:

- Series 139:  $\pm\{.00015+.00005n+.00005R/2\}''$   
 $R$ =Maximum measuring length (inch)  
 $n$ =number of rods  
 Fraction rounded up

Graduation: 0.01mm or .001"

Measurement error of micrometer head:  $\pm 3\mu\text{m}$

### Optional Accessories

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