

# 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

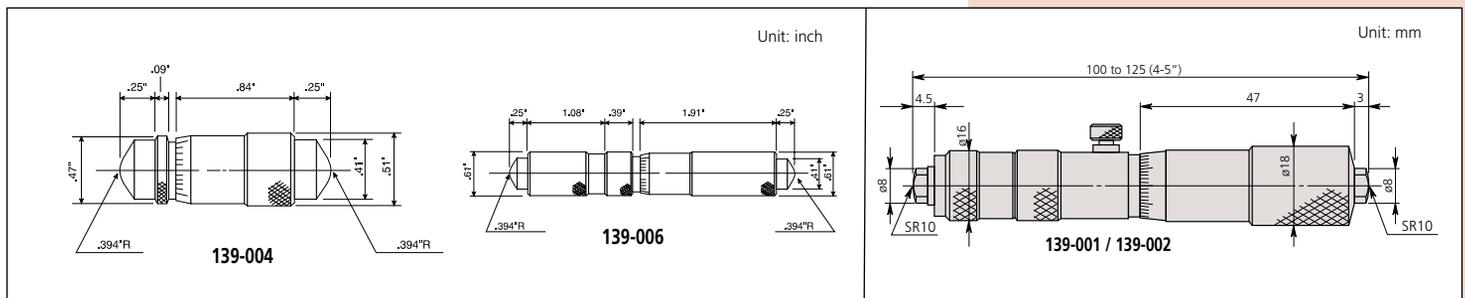
Range	Order No.	Travel of micrometer head	Extension pipes
4" - 5"	<b>139-002</b>	1"	Micrometer Head only
4" - 20"	<b>139-178</b>	1"	1", 2", 4", 8"
4" - 36"	<b>139-179</b>	1"	1", 2", 4", 8", 16"
4" - 52"	<b>139-180</b>	1"	1", 2", 4", 8", 16" (2 pcs.)
4" - 68"	<b>139-181</b>	1"	1", 2", 4", 8", 16" (3 pcs.)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