

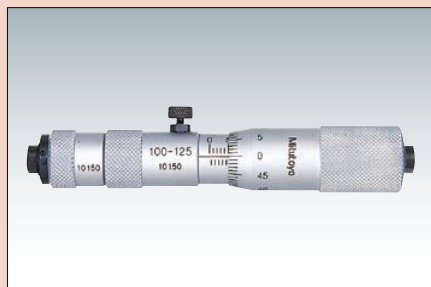
Technical Data

Graduation: 0.01 mm / .001"
 Accuracy: $\pm(3+n+L/50) \mu\text{m}^* /$
 $\pm[.00015+.00005n+.00005 (L/2)]^* \text{in}^*$

* n = number of tubes, L = maximum measuring length (mm/inch)
 Note: Fractions rounded up

Optional Accessory

Setting rings (up to $\varnothing 300 \text{ mm} / \varnothing 12 \text{''}$) refer to pages C-37 to C-38.



139-001

SERIES 139/140 – Long Range Extension Tube Inside Micrometer

- Wide range of inside measurements possible by combining extension tubes with the micrometer head.
- The sleeve is rotated to adjust the index line position when setting to a length standard.
- An optional inside-length standard, such as a setting ring or Inside Micro Checker (see pages C-37 to C-38 or page C-24, respectively), is required for accurately setting the micrometer before measurement.



139-177

Specifications

| Metric | | | | | |
|----------|--------------|-----------------------|--|--------------|--|
| Code No. | Range | Head adjustment range | Extension tubes | Main unit | |
| 139-001 | 100-125 mm | 25 mm | — | 100-125 mm | |
| 139-173 | 100-500 mm | | 25, 50, 100, 200 mm | | |
| 139-174 | 100-900 mm | | 25, 50, 100, 200, 400 mm | | |
| 139-175 | 100-1300 mm | | 25, 50, 100, 200, 400 (2 pcs.) mm | | |
| 139-176 | 100-1700 mm | | 25, 50, 100, 200, 400 (3 pcs.) mm | | |
| 139-177 | 100-2100 mm | | 25, 50, 100, 200, 400 (4 pcs.) mm | | |
| 140-157 | 1000-2000 mm | 50 mm | 50, 100 (2 pcs.), 200, 500 mm | 1000-1050 mm | |
| 140-158 | 1000-3000 mm | | 50, 100 (2 pcs.), 200, 500, 1000 mm | | |
| 140-159 | 1000-4000 mm | | 50, 100 (2 pcs.), 200, 500, 1000 (2 pcs.) mm | | |
| 140-160 | 1000-5000 mm | | 50, 100 (2 pcs.), 200, 500, 1000 (3 pcs.) mm | | |

| Inch | | | | | |
|----------|---------|-----------------------|--|-----------|--|
| Code No. | Range | Head adjustment range | Extension tubes | Main unit | |
| 139-002 | 4-5" | 1" | — | 4-5" | |
| 139-178 | 4-20" | | 1", 2", 4", 8" | | |
| 139-179 | 4-36" | | 1", 2", 4", 8", 16" | | |
| 139-180 | 4-52" | | 1", 2", 4", 8", 16" (2 pcs.) | | |
| 139-181 | 4-68" | | 1", 2", 4", 8", 16" (3 pcs.) | | |
| 139-182 | 4-84" | | 1", 2", 4", 8", 16" (4 pcs.) | | |
| 140-161 | 40-80" | 2" | 2", 4" (2 pcs.), 8", 20" | 40-42" | |
| 140-162 | 40-120" | | 2", 4" (2 pcs.), 8", 20", 40" | | |
| 140-163 | 40-160" | | 2", 4" (2 pcs.), 8", 20", 40" (2 pcs.) | | |
| 140-164 | 40-200" | | 2", 4" (2 pcs.), 8", 20", 40" (3 pcs.) | | |

Dimensions

