

Micrometer

Groove Micrometers  
SERIES 146

- Flanged spindle and anvil for measuring width and location of grooves inside bores and tubes.
- Two-directional ratchet stop.
- For OD (except for 0 - 25 mm) and ID measurements, a master gage is required for adjusting the reference point.
- Non-rotating spindle.



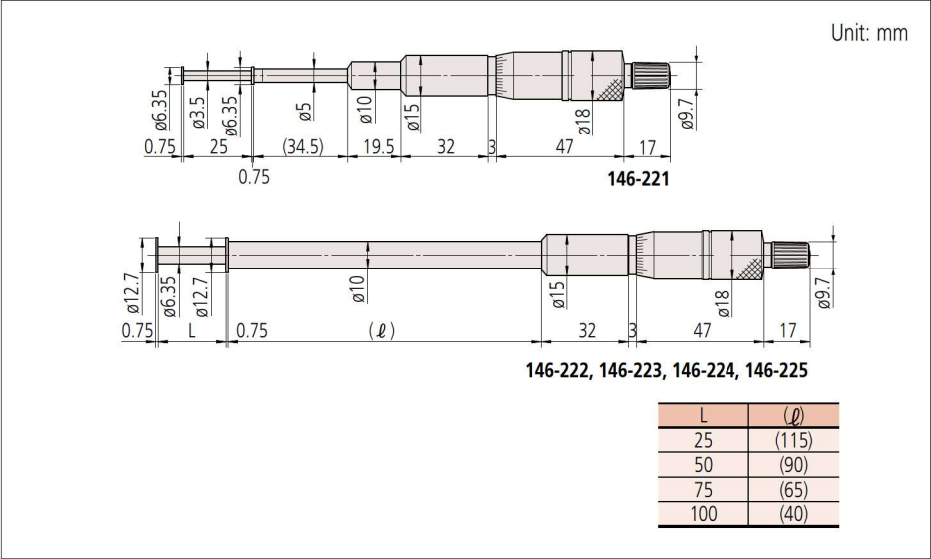
146-221

SPECIFICATIONS

| Metric   |                   |                    |                 |                                     |                  |             |
|----------|-------------------|--------------------|-----------------|-------------------------------------|------------------|-------------|
| Code No. | Range Inside (mm) | Range Outside (mm) | Graduation (mm) | Maximum permissible error JMPE (μm) | Parallelism (μm) | Flange (mm) |
| 146-221  | 1.6 - 26.5        | 0 - 25             | 0.01            | ±10                                 | 10               | ø6.35       |
| 146-222  |                   |                    |                 |                                     |                  | ø12.7       |
| 146-223  | 26.5 - 51.5       | 25 - 50            |                 |                                     |                  |             |
| 146-224  | 51.5 - 76.5       | 50 - 75            |                 |                                     |                  |             |
| 146-225  | 76.5 - 101.5      | 75 - 100           |                 |                                     |                  |             |
| Inch     |                   |                    |                 |                                     |                  |             |
| Code No. | Range Inside (in) | Range Outside (in) | Graduation (in) | Maximum permissible error JMPE (in) | Parallelism (in) | Flange (in) |
| 146-231  | 0.055 - 1.05      | 0 - 1              | 0.001           | ±0.0004                             | 0.0004           | ø0.25       |
| 146-232  |                   |                    |                 |                                     |                  | ø0.5        |
| 146-233  | 1.05 - 2.05       | 1 - 2              |                 |                                     |                  |             |
| 146-234  | 2.05 - 3.05       | 2 - 3              |                 |                                     |                  |             |
| 146-235  | 3.05 - 4.05       | 3 - 4              |                 |                                     |                  |             |

• Standard accessories: Spanner (301336), 1 pc.

DIMENSIONS



Measurement example

