

# Micrometer Heads

## SERIES 148 — Ultra-Small/Small Type

### FEATURES

- Miniature micrometer heads for ease of incorporating into machines.



### SPECIFICATIONS

| Metric     |           |          |           |              |                   |                 |
|------------|-----------|----------|-----------|--------------|-------------------|-----------------|
| Range      | Order No. | Accuracy | Stem dia. | Stem         | Spindle face      | Remarks         |
| 0 - 5mm    | 148-215   | ±5µm     | 3.5mm     | Plain        | Spherical (SR1.5) | —               |
| 0 - 5mm    | 148-216   | ±5µm     | 3.5mm     | w/clamp nut  | Spherical (SR1.5) | —               |
| 0 - 6.5mm  | 148-201   | ±5µm     | 6mm       | Plain        | Flat              | —               |
| 0 - 6.5mm  | 148-203   | ±5µm     | 6mm       | w/clamp nut  | Flat              | —               |
| 0 - 6.5mm  | 148-205   | ±5µm     | 6mm       | Plain        | Spherical (SR3)   | —               |
| 0 - 6.5mm  | 148-207   | ±5µm     | 6mm       | w/clamp nut  | Spherical (SR3)   | —               |
| 6.5 - 0 mm | 148-209   | ±5µm     | 6mm       | Plain        | Flat              | Reverse reading |
| 6.5 - 0 mm | 148-211   | ±5µm     | 6mm       | w/ clamp nut | Flat              | Reverse reading |

| Inch     |           |          |           |              |                   |                 |
|----------|-----------|----------|-----------|--------------|-------------------|-----------------|
| Range    | Order No. | Accuracy | Stem dia. | Stem         | Spindle face      | Remarks         |
| 0 - .2"  | 148-217   | ±5µm     | .156"     | Plain        | Spherical (SR1.5) | —               |
| 0 - .2"  | 148-218   | ±5µm     | .156"     | w/clamp nut  | Spherical (SR1.5) | —               |
| 0 - .25" | 148-202   | ±5µm     | .25"      | Plain        | Flat              | —               |
| 0 - .25" | 148-204   | ±5µm     | .25"      | w/clamp nut  | Flat              | —               |
| 0 - .25" | 148-206   | ±5µm     | .25"      | Plain        | Spherical (SR3)   | —               |
| 0 - .25" | 148-208   | ±5µm     | .25"      | w/clamp nut  | Spherical (SR3)   | —               |
| .25 - 0" | 148-210   | ±5µm     | .25"      | Plain        | Flat              | Reverse reading |
| .25 - 0" | 148-212   | ±5µm     | .25"      | w/ clamp nut | Flat              | Reverse reading |

### Technical Data

Graduations: 0.02mm (148-215, 148-216), 0.01mm or .001"  
 Spindle pitch: 0.5mm  
 Spindle face: Flat or spherical of SKS3 (more than HRC60), lapped surface  
 Scale surface: Hard-chrome plating  
 Fixture thickness for clamp nut: 3mm (148-216, 148-218), 4mm



### DIMENSIONS AND MASS

