

## Inside Micrometers

### Inside Micrometers SERIES 141 — Interchangeable-Rod Type

- Wide range of inside measurements possible by combining one or more Interchangeable Rods.
- For models supplied with more than one Interchangeable Rod, the full measuring range is achieved by combining spacing collars with the rods.



141-101

When using one of the extension rods supplied (Measuring range 25 to 32 mm)

#### Measurement example



### SPECIFICATIONS

#### Metric

Order No.	Range (mm)	Spindle feed error*2 (μm)	Graduation (mm)	Micrometer head stroke (mm)	Remarks
141-101 / 141-103*1	25 - 50	3	0.01	7	with 2 rods
141-205 / 141-211*1	50 - 200			13	with 3 rods
141-206 / 141-212*1	50 - 300			25	with 5 rods
141-117	200 - 500				with 3 rods
141-118	200 - 1000				with 8 rods

#### Inch

Order No.	Range (in)	Spindle feed error*2 (in)	Graduation (in)	Micrometer head stroke (in)	Remarks
141-102 / 141-104*1	1 - 2	0.00015	0.001	0.25	with 2 rods
141-208 / 141-214*1	2 - 8			0.5	with 3 rods
141-233 / 141-215*1	2 - 12			1	with 5 rods
141-121	8 - 20				with 3 rods
141-122	8 - 40				with 8 rods

\*1 With carbide measuring face

\*2 "Spindle feed error" refers to the difference between the maximum and minimum indication error values within the specification range of the micrometer head

#### Metric

Micrometer head only model

Order No.	Range (mm)	Spindle feed error*2 (μm)	Graduation (mm)	Micrometer head stroke (mm)
141-001 / 141-003*1	25 - 32	3	0.01	7
141-025 / 141-027*1	50 - 63			13
141-009 / 141-011*1	200 - 225			25

#### Inch

Micrometer head only model

Order No.	Range (in)	Spindle feed error*2 (in)	Graduation (in)	Micrometer head stroke (in)
141-002 / 141-004*1	1 - 1.25	0.00015	0.001	0.25
141-026 / 141-028*1	2 - 2.5			0.5
141-010 / 141-012*1	8 - 9			1

\*1 With carbide measuring face

\*2 "Spindle feed error" refers to the difference between the maximum and minimum indication error values within the specification range of the micrometer head

### DIMENSIONS

