# **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.



with 8 rods

## Measurement example



# **SPECIFICATIONS**

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Metric	ı				
Order No.	Range (mm)	Spindle feed error* <sup>2</sup> (µm)	Graduation (mm)	Micrometer head stroke (mm)	Remarks
141-101/141-103*1	25 - 50			7	with 2 rods
141-205/141-211* <sup>1</sup>	50 - 200			13	with 3 rods
141-206 / 141-212*1	50 - 300	3 0.01		13	with 5 rods
141-117	200 - 500			25	with 3 rods
141-118	200 - 1000			23	with 8 rods

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

141-122

<sup>\*1</sup> 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	hoad	only	modal
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8 - 40

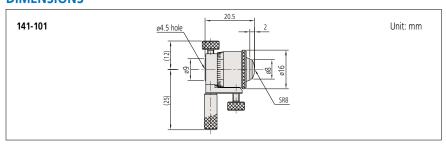
Order No.	Range (mm)	Spindle feed error*2 (µm)	Graduation (mm)	Micrometer head stroke (mm)
141-001 / 141-003*1	25 - 32			7
141-025/141-027*1	50 - 63	3	0.01	13
141-009 / 141-011*1	200 - 225			25

# 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			0.25
141-026 / 141-028* <sup>1</sup>	2 - 2.5	0.00015	0.001	0.5
141-010/141-012*1	8 - 9			1

<sup>\*1</sup> With carbide measuring face

## **DIMENSIONS**





<sup>\*2 &</sup>quot;Spindle feed error" refers to the difference between the maximum and minimum indication error values within the specification range of the micrometer head