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

Code 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				with 5 rods
141-117	200 - 500			25	with 3 rods
141-118	200 - 1000				with 8 rods

Inch

Code 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				with 5 rods
141-121	8 - 20			1	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

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

Inch Micrometer head only model

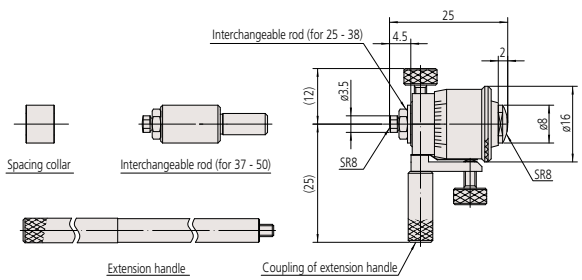
Code No.	Range (in)	Spindle feed error*2 (in)	Graduation (in)	Micrometer head stroke (in)
141-002 / 141-004*1	—	0.00015	0.001	0.25
141-026 / 141-028*1	—			0.5
141-010 / 141-012*1	8 - 9			1

*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

141-101

Unit: mm



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