

# Micrometer

## V-Anvil Micrometers SERIES 314 — 3 Flutes and 5 Flutes

- Measures the outside diameter of taps and reamers with an odd number of flutes.
- Measures pitch diameter: refer to "Quick Guide to Precision Measuring Instruments" on page B-80.
- Measuring faces: Carbide.
- Equipped with Ratchet Stop for constant measuring force.



314-251-30

### SPECIFICATIONS

Metric For 3-flute cutting tools						Inch / Metric For 3-flute cutting tools					
Order No.	Range (mm)	Resolution (mm)	Maximum permissible error $J_{MPE}$ ( $\mu$ m)	Anvil	Remarks	Order No.	Range (in)	Resolution	Maximum permissible error $J_{MPE}$ (in)	Anvil	Remarks
Digimatic (LCD)						Digimatic (LCD)					
314-251-30	1 - 15	0.001	$\pm 4$	60°	w/groove	314-351-30	0.05 - 0.6	0.00005 in/ 0.001 mm	$\pm 0.0002$	60°	w/groove
314-252-30	10 - 25					314-352-30	0.4 - 1				
314-253-30	25 - 40					314-353-30	1 - 1.6				
314-261-30	1 - 15					314-361-30	0.05 - 0.6				
314-262-30	10 - 25		$\pm 4$			314-362-30	0.4 - 1		$\pm 0.0002$		

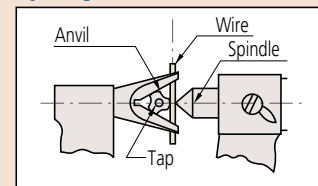
- Flatness: 0.3  $\mu$ m/0.000012 in (Spindle), 1.0  $\mu$ m/0.00004 in (Anvil)
- Battery: SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
- Battery life: Approx. 2.4 years under normal use
- Length standard: Electromagnetic rotary sensor
- Standard accessories: Spanner (**301336**), 1 pc. (for maximum measuring range up to 40 mm (1.6 in)), Setting Standards for V-Anvil Micrometer

Note: For functional details, refer to page B-7.  
The models above use the same connection cables and connection units as our IP rated micrometers but these digital V-Anvil Micrometers are not IP rated.

### Measurement example



### Pitch Diameter Measurement of Tap by Single-wire Method



### Optional Accessories

Order No.	Type	Description
05CZA662	B	Connecting cable (1 m)
05CZA663	B	Connecting cable (2 m)
06AFM380B	B	USB Input Tool Direct (2 m)
02AZD790B	B	Connecting cables for <b>U-WAVE-T</b> (160 mm)
02AZE140B	B	Connecting cables for <b>U-WAVE-T</b> For foot switch
264-622	IP67	<b>U-WAVE-TM</b>
264-623	Buzzer	<b>U-WAVE-TM</b>
264-626	IP67	<b>U-WAVE-TMB</b>
264-627	Buzzer	<b>U-WAVE-TMB</b>
02AZF310	IP67/ buzzer	Connecting unit for <b>U-WAVE-TM/TMB</b>