

# Micrometer

The origin of Mitutoyo's trustworthy brand of small tool instruments

## Screw Thread Micrometers SERIES 326, 126 — Interchangeable Anvil/Spindle Tip Type

**MeasurLink® ENABLED**  
Data Management Software by Mitutoyo

- Use by installing a suitable interchangeable anvil/spindle tip pair.
- Direct reading of screw pitch diameter (no need for calculation).
- **Series 326** is a protection grade IP65, waterproof Digimatic screw thread micrometer with interchangeable anvil/spindle tip.
- Equipped with Ratchet Stop for constant measuring force.
- Supplied with a setting standard for adjusting zero point for metric (unified) 60° threads.
- Interchangeable anvils/spindle tips are optional.



### SPECIFICATIONS

Metric			
Order No.	Range (mm)	Resolution (mm)	Spindle feed error (µm)
Digimatic (LCD)			
326-251-30	0 - 25	0.001	3
326-252-30	25 - 50		
326-253-30	50 - 75		
326-254-30	75 - 100		

Inch/Metric			
Order No.	Range (in)	Resolution	Spindle feed error (in)
Digimatic (LCD)			
326-351-30	0 - 1	0.00005 in/ 0.001 mm	0.00015
326-352-30	1 - 2		
326-353-30	2 - 3		
326-354-30	3 - 4		

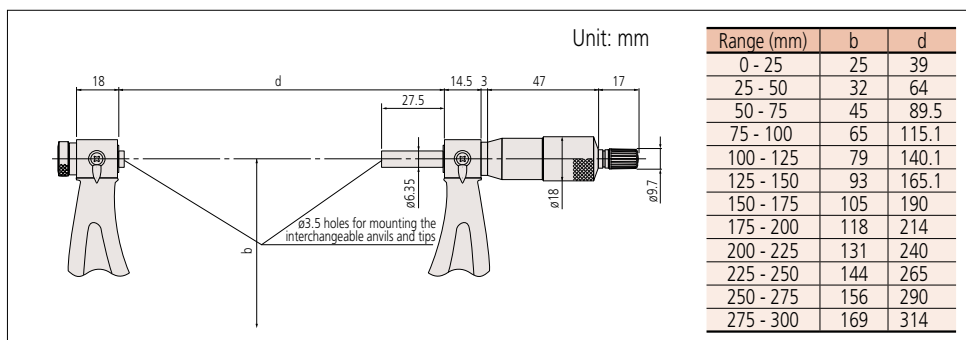
Metric			
Order No.	Range (mm)	Graduation (mm)	Spindle feed error (µm)
Analog			
126-125	0 - 25	0.01	3
126-126	25 - 50		
126-127	50 - 75		
126-128	75 - 100		
126-129	100 - 125		
126-130	125 - 150		
126-131	150 - 175		
126-132	175 - 200		
126-133	200 - 225		
126-134	225 - 250		
126-135	250 - 275		
126-136	275 - 300		

Inch			
Order No.	Range (in)	Graduation (in)	Spindle feed error (in)
Analog			
126-137	0 - 1	0.001	0.00015
126-138	1 - 2		
126-139	2 - 3		
126-140	3 - 4		
126-141	4 - 5		
126-142	5 - 6		
126-143	6 - 7		

Note 1: A matching setting standard is supplied with each model (except for 0 - 25 mm measuring range). (Refer to page B-60 for details).  
The setting standard is for metric threads (unified) 60°.

Note 2: For functional details of series 326, refer to page B-8. Please note that origin setting of these models is by presetting.  
Optional connecting cable is available only for water-proof type (Digimatic model).

### DIMENSIONS



MeasurLink® ENABLED  
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Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink® (refer to page A-25 for details).



These marks indicate that a product has successfully passed IP65-level testing, which is carried out by the independent German certification organization TÜV Rheinland.

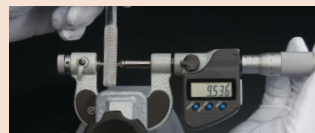


Dust- and Water-Protected  
www.tuv.com  
ID 000040191

Applicable models: series 326

### IP Codes (series 326)

- Level 6: Dust-proof. No ingress of dust allowed.
- Level 5: Protected against water jets.  
Water projected in jets against the enclosure from any direction shall have no harmful effects.



### Technical Data

- Battery for series 326  
SR44 (1 pc), 938882, for initial operational checks (standard accessory)
- Battery life: Approx. 2.4 years under normal use (for series 326)
- Length standard: Electromagnetic rotary sensor (for series 326)

Standard Accessories Spanner (301336), 1 pc.

### Optional Accessories for Series 326

- Connecting cables  
1 m: 05CZA662 2 m: 05CZA663
- USB Input Tool Direct  
USB-ITN-B (2 m): 06AFM380B
- Wireless Data Output **U-WAVE™**  
• U-WAVE-TM 264-622 (IP67 type) 264-623 (Buzzer type)  
• U-WAVE-TMB Transmitter  
**Mitutoyo Bluetooth® U-WAVE**  
264-626 (IP67 type) 264-627 (Buzzer type)  
Refer to page A-10 for details.
- Connecting unit for **U-WAVE-TM/TMB**  
02AZF310 (IP67/buzzer type common specification)  
Refer to pages A-10 and A-12 for details.

### Optional Accessories

Sets of interchangeable anvils/spindle tips

- For Metric/Unified threads (pair)
- | Order No. | Matching anvils/spindle tips included (mm) | Order No. | Matching anvils/spindle tips included (mm) |
|-----------|--|-----------|--|
| 126-801   | 0.4 - 0.5/64 - 48 TPI                      | 126-817   | 14 - 10 TPI                                |
| 126-802   | 0.6 - 0.9/44 - 28 TPI                      | 126-818   | 10 - 7 TPI                                 |
| 126-803   | 1 - 1.75/24 - 14 TPI                       | 126-819   | 7 - 4.5 TPI                                |
| 126-804   | 2 - 3/13 - 9 TPI                           | 126-820   | 4.5 - 3.5 TPI                              |
| 126-805   | 3.5 - 5/8 - 5 TPI                          | 126-810   | Set with one each of 126-811 to 126-806    |
| 126-806   | 5.5 - 7/4.5 - 3.5 TPI                      |           |  |
- For Whitworth threads (pair)
- | Order No. | Matching anvils/spindle tips included (mm) | Order No. | Matching anvils/spindle tips included (mm) |
|-----------|--|-----------|--|
| 126-811   | 64 - 48 TPI                                | 126-817   | 14 - 10 TPI                                |
| 126-812   | 48 - 40 TPI                                | 126-818   | 10 - 7 TPI                                 |
| 126-813   | 40 - 32 TPI                                | 126-819   | 7 - 4.5 TPI                                |
| 126-814   | 32 - 24 TPI                                | 126-820   | 4.5 - 3.5 TPI                              |
| 126-815   | 24 - 18 TPI                                | 126-810   | Set with one each of 126-811 to 126-820    |
| 126-816   | 18 - 14 TPI                                |           |  |

### Technical description

- Anvils/spindle tips
- Allowable error of the angle of anvils and spindle tips

Type	Metric (Unified)	Whitworth (Unified)	Half angle error α
Pitch (mm), Nominal designation of threads per inch	W1	W1	±30'
	M1 (U1)	W2	±30'
		W3	±20'
	M2 (U2)	W4	±20'
		W5	±15'
	M3 (U3)	W6	±15'
	M4 (U4)	W7	±10'
		W8	±10'
	M5 (U5)	W9	±10'
	M6 (U6)	W10	±10'

Note: This chart indicates the difference between the angle made by anvil's contact faces and spindle's axes and the half angle with error α.  
Metric/Unified θ=60°  
Whitworth θ=55°