

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

- Anvils and spindle tips are interchangeable in matching pairs to enable measurement of Metric/Unified or Whitworth threads.
- Direct reading of screw pitch diameter (no need for calculation).
- Equipped with Ratchet Stop for constant measuring force.
- Interchangeable anvils/spindle tips are optional.



SPECIFICATIONS

Metric			
Order No.	Range (mm)	Resolution (mm)	Accuracy* (μm)
Digimatic (LCD)			
326-251-30	0 - 25	0.001	±4
326-252-30	25 - 50		
326-253-30	50 - 75		
326-254-30	75 - 100		

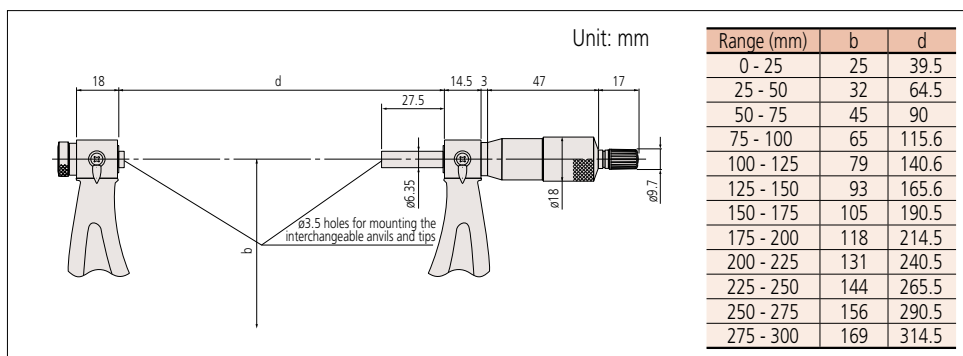
* Excluding quantizing error of ±1 count

Metric			
Order No.	Range (mm)	Graduation (mm)	Accuracy (μm)
Analog			
126-125	0 - 25	0.01	±4
126-126	25 - 50		
126-127	50 - 75		
126-128	75 - 100		
126-129	100 - 125		±5
126-130	125 - 150		
126-131	150 - 175		
126-132	175 - 200		
126-133	200 - 225		±6
126-134	225 - 250		
126-135	250 - 275		
126-136	275 - 300		

Note 1: A matching setting standard is supplied with each model (except for 0-25 mm measuring range). (Refer to page B-63 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



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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-5 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.



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)
- Connecting unit for U-WAVE-TM
02AZF310 (IP67/buzzer type common specification)
Refer to page A-15 for details.

Optional Accessories

Sets of interchangeable anvils/spindle tips

- For Metric/Unified threads (pair)

Order No.	Matching anvils/spindle tips included (mm)
126-800	0.4 - 0.5 / 64 - 48TPI (126-801)
	0.6 - 0.9 / 44 - 28TPI (126-802)
	1 - 1.75 / 24 - 14TPI (126-803)
	2 - 3 / 13 - 9TPI (126-804)
	3.5 - 5/8 - 5TPI (126-805)
	5.5 - 7 / 4.5 - 3.5TPI (126-806)

- For Whitworth threads (pair)

Order No.	Matching anvils/spindle tips included
126-810	60 - 48TPI (126-811)
	48 - 40TPI (126-812)
	40 - 32TPI (126-813)
	32 - 24TPI (126-814)
	24 - 18TPI (126-815)
	18 - 14TPI (126-816)
	14 - 10TPI (126-817)
	10 - 7TPI (126-818)
	7 - 4.5TPI (126-819)
	4.5 - 3.5TPI (126-820)

Technical description

- Anvils/spindle tips

Allowable error of the angle of anvils and spindle tips

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