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	Resolution	Accuracy*
Digimatic (LCD)			
326-251-30	0 - 25 mm		
326-252-30	25 - 50 mm	0.001 mm	±4 µm
326-253-30	50 - 75 mm	0.001 111111	
326-254-30	75 - 100 mm		±5 μm

* Excluding quantizing error of ±1 count

Metric			
Order No.	Range	Graduation	Accuracy
Analog			
126-125	0 - 25 mm		
126-126	25 - 50 mm		±4 µm
126-127	50 - 75 mm		
126-128	75 - 100 mm		
126-129	100 - 125 mm		±5 μm
126-130	125 - 150 mm	0.01 mm	
126-131	150 - 175 mm	0.01 111111	
126-132	175 - 200 mm		±6 µm
126-133	200 - 225 mm		
126-134	225 - 250 mm		
126-135	250 - 275 mm		±7 μm
126-136	275 - 300 mm		·

Inch/Metric			
Order No.	Range	Resolution	Accuracy*
Digimatic (LCD)			
326-351-30	0 - 1 in		
326-352-30	1 - 2 in	0.00005 in/	±0.0002 in
326-353-30	2 - 3 in	0.001 mm	
326-354-30	3 - 4 in		±0.00025 in
1 11			

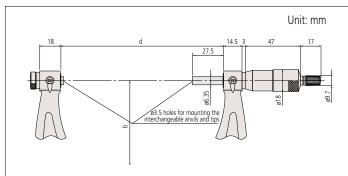
* Excluding quantizing error of ±1 count

Inch	ı		
Order No.	Range	Graduation	Accuracy
Analog			
126-137	0 - 1 in		
126-138	1 - 2 in	0.001 in	±0.0002 in
126-139	2 - 3 in		
126-140	3 - 4 in		
126-141	4 - 5 in		±0.00025 in
126-142	5 - 6 in		
126-143	6 - 7 in		±0.0003 in

Notes: 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°

2) For functional details of series 326, refer to series 293. Please note that origin setting of these models is free-digit preset type. Also, connecting cables (optional) have to be a waterproof type.

DIMENSIONS



Range	b	d
0 - 25 mm	25	39.5
25 - 50 mm	32	64.5
50 - 75 mm	45	90
75 - 100 mm	65	115.6
100 - 125 mm	79	140.6
125 - 150 mm	93	165.6
150 - 175 mm	105	190.5
175 - 200 mm	118	214.5
200 - 225 mm	131	240.5
225 - 250 mm	144	265.5
250 - 275 mm	156	290.5
275 - 300 mm	169	314.5

MeasurLink® ENABLED

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-İTN-B (2 m): 06AFM380B

Wireless data output U-WAVE fit U-WAVE-TM 264-622 (IP67 type)

264-623 (Buzzer type)

Connecting unit for U-WAVE-TM **02AZF310** (IP67 type)

Refer to page A-15 for details

Optional Accessories

Sets of interchangeable anvils / spindle tips

• For Metric/Unified threads (pair)

4 /	
Order No.	Matching anvils/spindle tips included
126-800	0.4 - 0.5 mm/64 - 48TPI (126-801) 0.6 - 0.9 mm/44 - 28TPI (126-802) 1 - 1.75 mm/24 - 14TPI (126-803) 2 - 3 mm/13 - 9TPI (126-804) 3.5 - 5 mm/8 - 5TPI (126-805) 5.5 - 7 mm/4.5 - 3.5TPI (126-806)

• For Whitworth threads (nair)

• FOI WIII(WOITH HITEAUS (Pall)	
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 Metric Type (Unified) W1 M1 (U1) W2 W3



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 $\theta = 60^{\circ}$ Whitworth $\theta = 55^{\circ}$

