

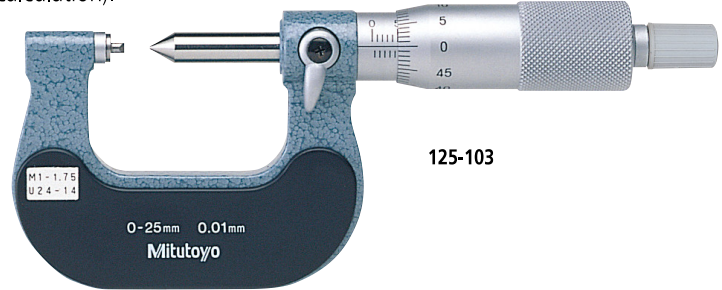
Technical Data

Accuracy: $\pm(2+R/75)$ μm , R = max. range (mm)
fraction rounded up
Standard accessories: Spanner (301336), 1 pc



Screw Thread Micrometers SERIES 125

- Fixed anvil type to suit 60° threads.
- Directly indicates screw pitch diameter (no need for calculation).
- Equipped with Ratchet Stop for constant measuring force.



125-103

SPECIFICATIONS

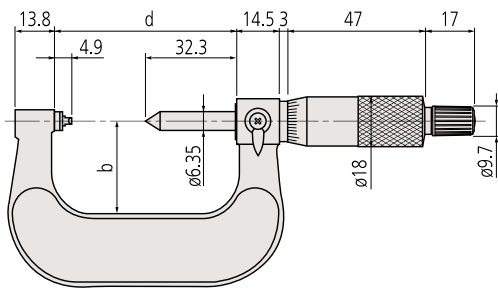
Metric			
Order No.	Thread to be measured (Metric/Unified)	Range	Graduation
125-101	0.4 - 0.5 mm/64 - 48TPI	0 - 25 mm	0.01 mm
125-102	0.6 - 0.9 mm/44 - 28TPI		
125-103	1 - 1.75 mm/24 - 14TPI		
125-104	2 - 3 mm/13 - 9TPI		
125-105	3.5 - 5 mm/8 - 5TPI		
125-106	0.4 - 0.5 mm/64 - 48TPI	25 - 50 mm	
125-107	0.6 - 0.9 mm/44 - 28TPI		
125-108	1 - 1.75 mm/24 - 14TPI		
125-109	2 - 3 mm/13 - 9TPI		
125-110	3.5 - 5 mm/8 - 5TPI		

Metric			
Order No.	Thread to be measured (Metric/Unified)	Range	Graduation
125-111	0.6 - 0.9 mm/44 - 28TPI	50 - 75 mm	0.01 mm
125-112	1 - 1.75 mm/24 - 14TPI		
125-113	2 - 3 mm/13 - 9TPI		
125-114	3.5 - 5 mm/8 - 5TPI		
125-115	5.5 - 7 mm/4.5 - 3.5TPI		
125-116	0.6 - 0.9 mm/44 - 28TPI	75 - 100 mm	
125-117	1 - 1.75 mm/24 - 14TPI		
125-118	2 - 3 mm/13 - 9TPI		
125-119	3.5 - 5 mm/8 - 5TPI		
125-120	5.5 - 7 mm/4.5 - 3.5TPI		

* A setting standard is supplied with each model (except for 0-25 mm measuring range).
The setting standard is for metric threads (unified) 60°.

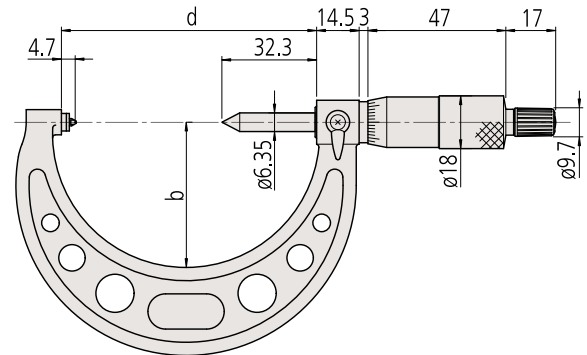
DIMENSIONS

125-101,125-106



Range	b	d
0 - 25 mm	25	37.2
25 - 50 mm	32	62.2

125-111,125-116



Range	b	d
50 - 75 mm	49	87
75 - 100 mm	63	112

Unit: mm

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	0.001 mm	±4 μm
326-252-30	25 - 50 mm		
326-253-30	50 - 75 mm		
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	0.01 mm	±4 μm
126-126	25 - 50 mm		
126-127	50 - 75 mm		
126-128	75 - 100 mm		
126-129	100 - 125 mm	±5 μm	±5 μm
126-130	125 - 150 mm		
126-131	150 - 175 mm		
126-132	175 - 200 mm		
126-133	200 - 225 mm	±6 μm	±6 μm
126-134	225 - 250 mm		
126-135	250 - 275 mm		
126-136	275 - 300 mm		
			±7 μm

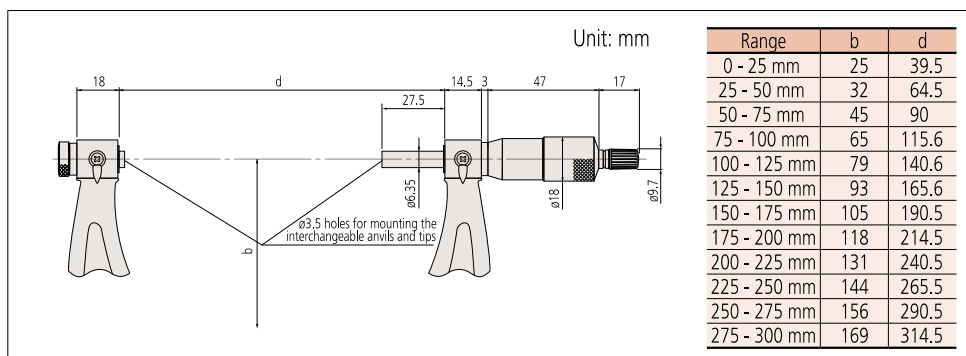
Notes: 1) A matching setting standard is supplied with each model (except for 0-25 mm measuring range). (Refer to page B-63 for details.)

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



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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 type)

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
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 (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'
	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 anvils' contact faces and spindle's axes and the half angle with error α.
Metric/Unified θ = 60°
Whitworth θ = 55°