Micrometers

SERIES 395,115 – Tube Micrometers

- Designed to measure workpieces with concave-convex surfaces such as the wall thickness of tubes and pipes.
- Measuring faces: carbide (115-101: only the spindle is carbide tipped).
- 395 series: IP65 digital spherical-flat anvil type micrometer.
- Equipped with Ratchet Stop for constant measuring force.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

IP65

TÜVRheinland CERTIFIED
www.tuv.com
ID 0000040191

395-351-30

115-115

Technical Data

Flatness:	.000024" / 0.6 μm:115 series
	.000012" (0.3 μm): 395 series
Battery:	SR44 (1 pc), **938882**: 395 series

Optional Accessories (for 395 series only)

Code No.	Description	
264-622	U-WAVE-TM transmitter	
02AZF310	U-WAVE-TM connection unit	
05CZA662	SPC data cable with pushbutton (1 m)	
05CZA663	SPC data cable with pushbutton (2 m)	
06AFM380B	USB input tool direct USB-ITN-B (2 m)	

Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*	D	
Digimatic					
395-351-30	0 - 1" (0 - 25.4 mm)	.00005" (0.001 mm)	±.0001" (±2 μm)	ø.59" (ø15 mm)	
395-352-30	1 - 2" (25.4 - 50.8 mm)				
395-353-30	2 - 3" (50.8 - 76.2 mm)			ø.75" (ø19 mm)	
395-354-30	3 - 4" (76.2 - 101.6 mm)		±.00015" (±3 μm)		

Metric

Code No.	Range	Graduation	Accuracy	D	
115-101	0 - 15 mm	0.01 mm	±3 μm	ø5.5 mm	
115-115	0 - 25 mm			ø10 mm	
115-116	25 - 50 mm			ø11 mm	
115-117	50 - 75 mm			ø17 mm	
115-118	75 - 100 mm		±4 μm	ø18 mm	

Inch

Code No.	Range	Graduation	Accuracy	D	
115-153	0 - 1"	.0001"	±.00015"	ø.40"	

* Excluding quantizing error.

Dimensions

Unit: mm

øD
5
SR4
D: minimum useable inside diameter

115-101:

1.2 15 2.3 15 56.9
3.5
ø6.35 (spindle)
1.2
ø3
SR2
19.5
15.5
4
ø15

Technical Data
Battery: SR44 (1 pc), **938882**: 395 series

Optional Accessories (for 395 series only)

Code No.	Description	
264-622	U-WAVE-TM transmitter	
02AZF310	U-WAVE-TM connection unit	
05CZA662	SPC data cable with pushbutton (1 m)	
05CZA663	SPC data cable with pushbutton (2 m)	
06AFM380B	USB input tool direct USB-ITN-B (2 m)	

SERIES 395,115 – Spherical Anvil and Spindle Tube Micrometers

- Designed to measure workpieces with concave-concave surfaces such as the race-wall thickness of anti-friction bearings.
- Measuring faces: carbide (115-201: only the spindle is carbide tipped).
- 395 series: Digimatic type IP65 rated with spherical anvil and spindle.
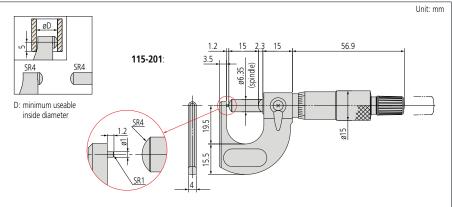- Equipped with Ratchet Stop for constant measuring force.

MeasurLink® ENABLED
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IP65

TÜVRheinland CERTIFIED www.tuv.com ID 0000040191

395-371-30

115-215

Specifications

Inch/Metric

Code No.	Range	Resolution	Accuracy*	D	
Digimatic					
395-371-30	0-1" (0-25.4 mm)	.00005" (0.001 mm)	±.0001" (±2 μm)	ø.59" (ø15 mm)	
395-372-30	1-2" (25.4-50.8 mm)				
395-373-30	2-3" (50.8-76.2 mm)			ø.75" (ø19 mm)	
395-374-30	3-4" (76.2-101.6 mm)		±.00015" (±3 μm)	ø.79" (ø20 mm)	

Metric

Code No.	Range	Graduation	Accuracy	D	
115-201	0-15 mm	0.01 mm	±3 μm	ø5.5 mm	
115-215	0-25 mm			ø10 mm	
115-216	25-50 mm			ø11 mm	
115-217	50-75 mm			ø17 mm	
115-218	75-100 mm		±4 μm	ø18 mm	

Inch

Code No.	Range	Graduation	Accuracy	D	
115-253	0-1"	.0001"	±.00015"	ø.40"	
115-242	1-2"	.001"		ø.44"	
115-243	2-3"			ø.67"	

* Excluding quantizing error.

Dimensions

Unit: mm

D: minimum useable inside diameter

115-201:

Mitutoyo

Micrometers

SERIES 395,115 – Cylindrical/Spherical Anvil Tube Micrometers
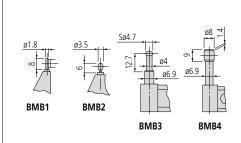
- Spindle face: carbide.
- 395 series: Digimatic type IP65 rated with a choice of spherical or cylindrical anvils.
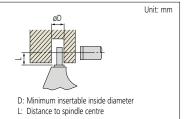- Equipped with Ratchet Stop for constant measuring force.

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IP65

TÜVRheinland CERTIFIED
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ID 0000040191

395-363-30

115-315

Technical Data

Accuracy:	± (2 + L/75) μm*
Battery:	SR44 (1 pc), **938882**: 395 series

* L = measured length in mm.

Optional Accessories (for 395 series only)

Code No.	Description	
264-622	U-WAVE-TM transmitter	
02AZF310	U-WAVE-TM connection unit	
05CZA662	SPC data cable with pushbutton (1 m)	
05CZA663	SPC data cable with pushbutton (2 m)	
06AFM380B	USB input tool direct USB-ITN-B (2 m)	

BMB1

BMB2

BMB3

BMB4

Specifications

Inch/Metric

Code No.	Range	Resolution	Type	
Digimatic				
395-362-30			BMB2	
395-363-30	0 - 1" (0 - 25.4 mm)	.00005" (0.001 mm)	BMB3	
395-364-30			BMB4	

Metric

Code No.	Range	Graduation	Type	
115-302	0 - 25 mm		BMB1	
115-308			BMB2	
115-303	25 - 50 mm	0.01 mm	BMB1	
115-315	0 - 25 mm		BMB3	
115-316			BMB4	

Inch

Code No.	Range	Graduation	Type	
115-305	0 - 1"	.001"	BMB1	
115-313		.0001"	BMB3	
115-314			BMB4	

Dimensions

Unit: mm

ø1.8
8
BMB1

ø3.5
6
BMB2

Sø4.7
12.7
ø4
ø6.9
BMB3

ø8
1.4
9
ø6.9
BMB4

øD
L
D: Minimum insertable inside diameter
L: Distance to spindle centre

Anvil	D	L
BMB1	2	4
BMB2	3.6	4
BMB3	4.8	12
BMB4	8.2	22

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