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DIGITAL MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 10MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

IP65
WATERPROOF

DATA
OUTPUT

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING
SPINDLE

**INSPECTION
CERTIFICATE**

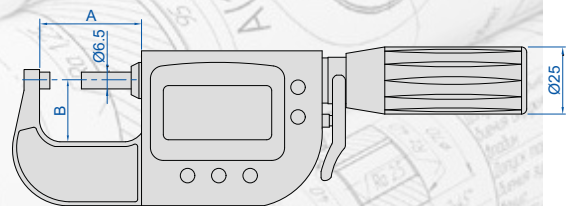
POPULAR
MODEL



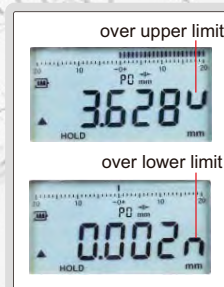
Unit: mm



3358-25



alarm when
over tolerance



wireless receiver
2134-R1, 2134-R2 (optional)



- Absolute encoder, the original data remains after power off
- Resolution: 0.001mm/0.00005"
- One turn of sleeve makes 10mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Carbide spindle and anvil
- Measuring force 5-10N
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working

With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3358-25 *	0-25mm/0-1"	2µm	1µm	0.5µm	1.2µm	38mm	24mm
3358-50 *	25-50mm/1-2"	2µm	1µm	0.5µm	1.2µm	64mm	32.5mm
3358-75 *	50-75mm/2-3"	3µm	1µm	0.5µm	1.8µm	89mm	46mm
3358-100 *	75-100mm/3-4"	3µm	1µm	0.5µm	1.8µm	114mm	60mm

Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3358-25WL *	0-25mm/0-1"	2µm	1µm	0.5µm	1.2µm	38mm	24mm
3358-50WL *	25-50mm/1-2"	2µm	1µm	0.5µm	1.2µm	64mm	32.5mm
3358-75WL *	50-75mm/2-3"	3µm	1µm	0.5µm	1.8µm	89mm	46mm
3358-100WL *	75-100mm/3-4"	3µm	1µm	0.5µm	1.8µm	114mm	60mm

*Supplied with manufacturer inspection certificate

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 10MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

IP65 WATERPROOF

DATA OUTPUT

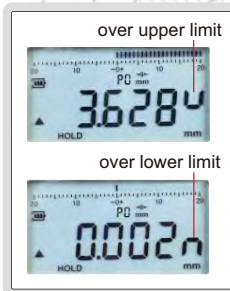
ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING SPINDLE

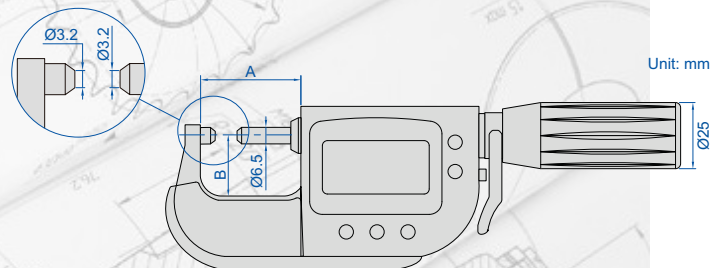


alarm when over tolerance



3359-25

wireless receiver
2134-R1, 2134-R2 (optional)



- Absolute encoder, the original data remains after power off
- Resolution: 0.0001mm/0.00001"
- One turn of sleeve makes 10mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Carbide spindle and anvil
- Measuring force 5-10N
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch
- Power: rechargeable battery, for 24 hours continuous working

With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3359-25*	0-25mm/0-1"	±0.5µm	0.3µm	0.3µm	0.6µm	38mm	24mm

Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3359-25WL*	0-25mm/0-1"	±0.5µm	0.3µm	0.3µm	0.6µm	38mm	24mm

*Supplied with manufacturer inspection certificate

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES (ADVANCED TYPE)

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

IP65
WATERPROOF

DATA
OUTPUT

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING
SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

**INSPECTION
CERTIFICATE**

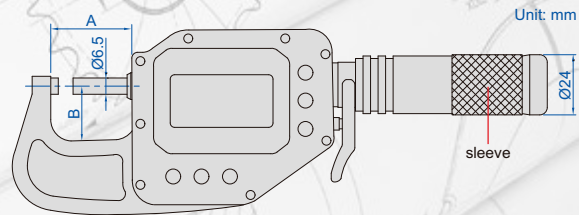


6

- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working



3350-25

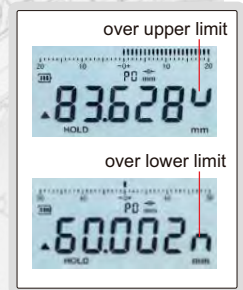


alarm when
over tolerance

With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3350-25 *	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38mm	24mm
3350-50 *	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63mm	28mm
3350-75 *	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88mm	45mm
3350-100 *	75-100mm/3-3.95"	2µm	1µm	0.5µm	1µm	113mm	57mm



Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3350-25WL *	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38mm	24mm
3350-50WL *	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63mm	28mm
3350-75WL *	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88mm	45mm
3350-100WL *	75-100mm/3-3.95"	2µm	1µm	0.5µm	1µm	113mm	57mm

wireless receiver
2134-R1, 2134-R2 (optional)



*Supplied with manufacturer inspection certificate

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES

IP65
WATERPROOF

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING SPINDLE

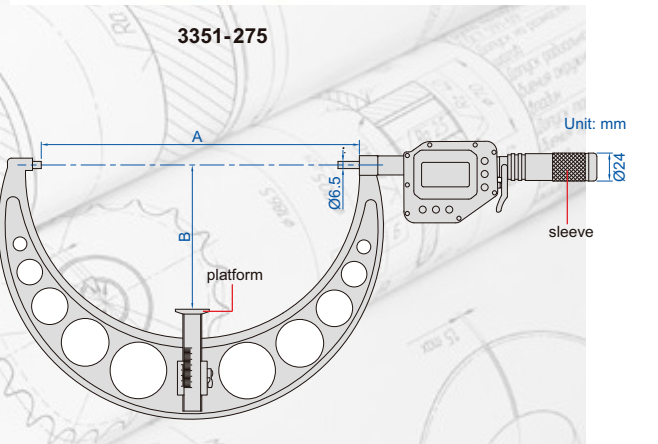
DATA OUTPUT

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

INSPECTION CERTIFICATE



- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001" (when the reading exceeds 100mm, the resolution is automatically switched to 0.001mm/0.00005" 0.01mm/0.0005")
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 5-8N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting
- Power: rechargeable battery, for 24 hours continuous working



6

With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

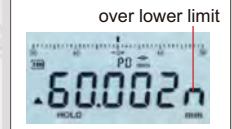
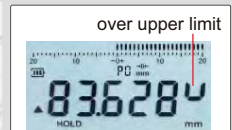


gage blocks for zero setting (included)



Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3351-125 *	100-125mm/4-5"	3µm	1µm	0.5µm	2µm	128mm	62.5mm
3351-150 *	125-150mm/5-6"	3µm	1µm	0.5µm	2µm	153mm	75mm
3351-175 *	150-175mm/6-7"	4µm	1µm	0.5µm	2.5µm	178mm	87.5mm
3351-200 *	175-200mm/7-8"	4µm	1µm	0.5µm	2.5µm	203mm	100mm
3351-225 *	200-225mm/8-9"	5µm	1µm	0.5µm	3µm	228mm	112.5mm
3351-250 *	225-250mm/9-10"	5µm	1µm	0.5µm	3µm	253mm	125mm
3351-275 *	250-275mm/10-11"	6µm	1µm	0.5µm	3.5µm	278mm	137.5mm
3351-300 *	275-300mm/11-12"	6µm	1µm	0.5µm	3.5µm	303mm	150mm

alarm when over tolerance



Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				flatness	parallelism		
3351-125WL *	100-125mm/4-5"	3µm	1µm	0.5µm	2µm	128mm	62.5mm
3351-150WL *	125-150mm/5-6"	3µm	1µm	0.5µm	2µm	153mm	75mm
3351-175WL *	150-175mm/6-7"	4µm	1µm	0.5µm	2.5µm	178mm	87.5mm
3351-200WL *	175-200mm/7-8"	4µm	1µm	0.5µm	2.5µm	203mm	100mm
3351-225WL *	200-225mm/8-9"	5µm	1µm	0.5µm	3µm	228mm	112.5mm
3351-250WL *	225-250mm/9-10"	5µm	1µm	0.5µm	3µm	253mm	125mm
3351-275WL *	250-275mm/10-11"	6µm	1µm	0.5µm	3.5µm	278mm	137.5mm
3351-300WL *	275-300mm/11-12"	6µm	1µm	0.5µm	3.5µm	303mm	150mm

wireless receiver
2134-R1, 2134-R2 (optional)



* Supplied with manufacturer inspection certificate

NON-ROTATING SPINDLE DIGITAL MICROMETERS

INSIZE PLUS
MADE IN EUROPE

**INSPECTION
CERTIFICATE**

QUICK MEASUREMENT
ONE TURN OF SLEEVE OR RATCHET
STOP MAKES 2mm SPINDLE FEED

LEVER FORCE MEASURING DEVICE
SUITABLE FOR MASS MEASUREMENT

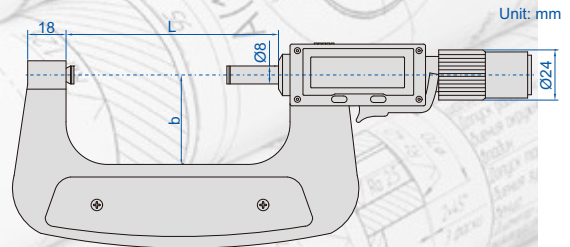
IP65
WATERPROOF

NON-ROTATING
SPINDLE

DATA
OUTPUT



3632-80A



lever force measuring device

- Adjustable resolution: 0.01mm/0.0005", 0.001mm/0.00005", 0.0005mm/0.00002"
- Repeatability: 1µm
- Measuring force: 5-10N
- Lever force measuring device, suitable for mass measurement
- No-rotating spindle, suitable for measuring cylindrical workpiece
- Quick measurement: one turn of sleeve or ratchet stop makes 2mm spindle feed
- Carbide measuring faces
- Data output
- Button function: mm/inch, max./min. value tracking, preset value, hold, on/off, zero
- Ratchet sets force measurement
- CR2032 battery, automatic power off
- Supplied with setting standards (except 0-30mm/0-1.18")
- Optional accessory: data output cable (code 7315-80 need receiver page 5, 7302-80)

press the lever force measuring device, the spindle retracted 1.5mm (MAX). release the force measuring device, the spindle extends, contacts the measured workpiece, and the measured force is constant

spindle retraction
1.5mm (MAX)



(mm)

Code	Range	Accuracy		L	b
		stroke≤25mm	stroke>25mm		
3632-30A *	0-30mm/0-1.18"	±2µm	±3µm	38	24
3632-55A *	25-55mm/0.98-2.17"	±2µm	±3µm	63	30.5
3632-80A *	50-80mm/1.97-3.15"	±3µm	±4µm	88	44
3632-105A *	75-105mm/2.95-4.13"	±3µm	±4µm	113	57
3632-130A *	100-130mm/3.94-5.12"	±3µm	±5µm	138	70
3632-155A *	125-155mm/4.92-6.1"	±3µm	±5µm	163	83
3632-180A *	150-180mm/5.91-7.09"	±4µm	±6µm	188	96
3632-205A *	175-205mm/6.89-8.07"	±4µm	±6µm	213	109
3632-230A *	200-230mm/7.87-9.06"	±4µm	±6µm	238	122
3632-255A *	225-255mm/8.86-10.04"	±4µm	±6µm	268	135
3632-280A *	250-280mm/9.84-11.02"	±5µm	±7µm	293	147.5
3632-305A *	275-305mm/10.83-12.01"	±5µm	±7µm	318	160

*Supplied with manufacturer inspection certificate

HIGH PRECISION NON-ROTATING SPINDLE DIGITAL MICROMETERS

INSIZE PLUS
MADE IN EUROPE

QUICK MEASUREMENT
ONE TURN OF SLEEVE OR RATCHET
STOP MAKES 2MM SPINDLE FEED

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

IP65
WATERPROOF

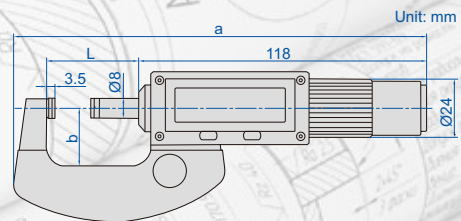
NON-ROTATING
SPINDLE

DATA
OUTPUT

STROKE
30mm



3661-30



- Adjustable resolution: 0.01mm/0.0005", 0.001mm/0.00005", 0.0005mm/0.00002"
- Repeatability: 0.5µm
- Measuring force: 5-10N
- Flatness of measuring faces: 0.3µm
- Parallelism of measuring faces: 0.5µm
- Ratchet stop
- Non-rotating spindle, suitable for cylinders
- Quick measurement: one turn of sleeve or ratchet stop makes 2mm spindle feed
- Carbide measuring faces
- Data output
- Button function: mm/inch, max./min. value tracking, preset value, hold, on/off, zero
- CR2032 battery
- Automatic power off, turn the sleeve to turn on
- Optional accessory: setting standards (code **7386**), data output cable (code **7315-80** need receiver page 5, **7302-80**)

(mm)

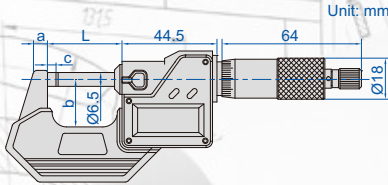
Code	Range	Accuracy		L	a	b
		stroke ≤25mm	stroke >25mm			
3661-30	0-30mm/0-1.18"	±2µm	±3µm	38	169	24
3661-55	25-55mm/0.98-2.17"	±2µm	±3µm	63	195	30.5
3661-80	50-80mm/1.97-3.15"	±3µm	±4µm	88	228	44
3661-105	75-105mm/2.95-4.13"	±3µm	±4µm	113	257	57
3661-130	100-130mm/3.94-5.12"	±3µm	±5µm	138	289	70
3661-155	125-155mm/4.92-6.1"	±3µm	±5µm	163	315	83
3661-180	150-180mm/5.91-7.09"	±4µm	±6µm	188	340	96
3661-205	175-205mm/6.89-8.07"	±4µm	±6µm	213	363	109
3661-230	200-230mm/7.87-9.06"	±4µm	±6µm	238	388	122
3661-255	225-255mm/8.86-10.04"	±4µm	±6µm	268	429	135
3661-280	250-280mm/9.84-11.02"	±5µm	±7µm	293	454	147.5
3661-305	275-305mm/10.83-12.01"	±5µm	±7µm	318	479	160

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

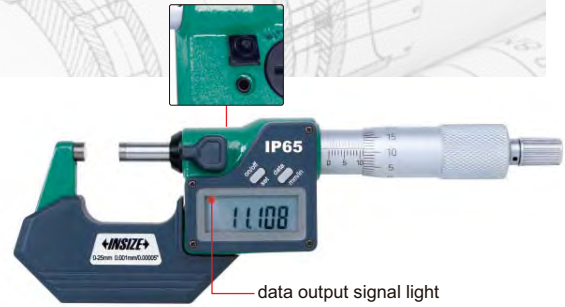
POPULAR MODEL

DATA OUTPUT IP65 WATERPROOF

INSPECTION CERTIFICATE



data output interface on the back



- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

3101-25A

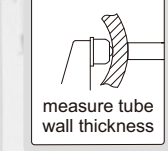
Metric/Inch type (ratchet stop)

Code	Range	Resolution	Accuracy	L	a	b	c
3101-25A*	0-25mm/0-1"	0.001mm/0.00005"	±2µm	34.5	6	25	3
3101-50A*	25-50mm/1-2"	0.001mm/0.00005"	±2µm	59.5	8	32	3
3101-75A*	50-75mm/2-3"	0.001mm/0.00005"	±3µm	84.5	8	44.5	3
3101-100A*	75-100mm/3-4"	0.001mm/0.00005"	±3µm	109.5	8	57	3
3101-125A	100-125mm/4-5"	0.001mm/0.00005"	±3µm	135	10	70	3
3101-150A	125-150mm/5-6"	0.001mm/0.00005"	±3µm	160.5	10	82	3
3101-175A	150-175mm/6-7"	0.001mm/0.00005"	±4µm	186	12	94.5	5.5
3101-200A	175-200mm/7-8"	0.001mm/0.00005"	±4µm	211.5	12	107	5.5
3101-225A	200-225mm/8-9"	0.001mm/0.00005"	±4µm	236	23	129.5	5.5
3101-250A	225-250mm/9-10"	0.001mm/0.00005"	±4µm	261.5	23	142.5	5.5
3101-275A	250-275mm/10-11"	0.001mm/0.0001"	±5µm	287	23	155	5.5
3101-300A	275-300mm/11-12"	0.001mm/0.0001"	±5µm	312.5	23	167.5	5.5



Metric/Inch type (friction thimble)

Code	Range	Resolution	Accuracy	L	a	b	c
3101-25FA*	0-25mm/0-1"	0.001mm/0.00005"	±2µm	34.5	6	25	3



Metric type (ratchet stop)

Code	Range	Resolution	Accuracy	L	a	b	c
3101-25AJ*	0-25mm	0.001mm	±2µm	34.5	6	25	3
3101-50AJ*	25-50mm	0.001mm	±2µm	59.5	8	32	3
3101-75AJ*	50-75mm	0.001mm	±3µm	84.5	8	44.5	3
3101-100AJ*	75-100mm	0.001mm	±3µm	109.5	8	57	3

Set (ratchet stop type)

Code	Range	Micrometers included	Packaging
3101-753A*	0-75mm/0-3"	3101-25A, 3101-50A, 3101-75A	blow mould case
3101-1004A*	0-100mm/0-4"	3101-25A, 3101-50A, 3101-75A, 3101-100A	blow mould case
3101-1506A	0-150mm/0-6"	3101-25A, 3101-50A, 3101-75A, 3101-100A, 3101-125A, 3101-150A	aluminum box
3101-3006A	150-300mm/6-12"	3101-175A, 3101-200A, 3101-225A, 3101-250A, 3101-275A, 3101-300A	aluminum box



3101-753A

3101-1506A

*Supplied with manufacturer inspection certificate

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

IP65
WATERPROOF

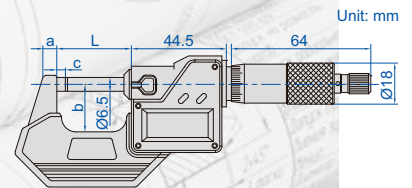
ATTENTION: NO
DATA OUTPUT

INSPECTION
CERTIFICATE



3108-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



Ratchet stop type

Code	Range	Accuracy	L	a	b	c	(mm)
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3	
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3	
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3	
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3	
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3	
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3	
3108-175A	150-175mm/6-7"	±4µm	186	12	94.5	5.5	
3108-200A	175-200mm/7-8"	±4µm	211.5	12	107	5.5	



Friction thimble type

Code	Range	Accuracy	L	a	b	c	(mm)
3108-25FA*	0-25mm/0-1"	±2µm	34.5	6	25	3	



3108-753A



3108-1506A

Set

Code	Range	Micrometers included	Packaging
3108-753A*	0-75mm/0-3"	3108-25A, 3108-50A, 3108-75A	blow mould case
3108-1004A*	0-100mm/0-4"	3108-25A, 3108-50A, 3108-75A, 3108-100A	blow mould case
3108-1506A	0-150mm/0-6"	3108-25A, 3108-50A, 3108-75A, 3108-100A, 3108-125A, 3108-150A	aluminum box

*Supplied with manufacturer inspection certificate

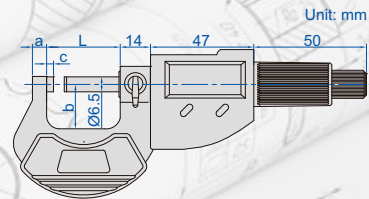
DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITH DATA OUTPUT)



DATA OUTPUT



3102-25



- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30 need receiver page 4, 7302-30 page 12)

Individual Code	Range	Accuracy	L	a	b	c
3102-25 *	0-25mm/0-1"	±2µm	32	6	24	3
3102-50 *	25-50mm/1-2"	±2µm	57	8	32	3
3102-75 *	50-75mm/2-3"	±3µm	82	8	45	3
3102-100 *	75-100mm/3-4"	±3µm	107	10	57	3
3102-125	100-125mm/4-5"	±3µm	133	10	70	3
3102-150	125-150mm/5-6"	±3µm	158	10	82	3
3102-175	150-175mm/6-7"	±4µm	183	12	95	5.5
3102-200	175-200mm/7-8"	±4µm	209	12	107	5.5



3102-753A



3102-1506A

Set

Code	Range	Micrometers included	Packaging
3102-753A *	0-75mm/0-3"	3102-25, 3102-50, 3102-75	blow mould case
3102-1004A *	0-100mm/0-4"	3102-25, 3102-50, 3102-75, 3102-100	blow mould case
3102-1506A	0-150mm/0-6"	3102-25, 3102-50, 3102-75, 3102-100, 3102-125, 3102-150	aluminum box

*Supplied with manufacturer inspection certificate

POPULAR MODEL

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

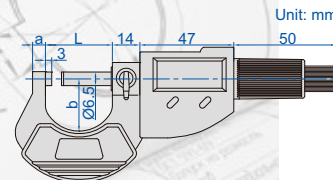
INSPECTION CERTIFICATE

ATTENTION: NO DATA OUTPUT

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

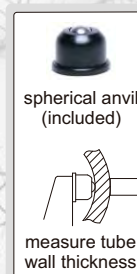


3109-25A



Individual

Code	Range	Accuracy	L	a	b
3109-25A*	0-25mm/0-1"	±2µm	32mm	6mm	28mm
3109-50A*	25-50mm/1-2"	±2µm	57mm	8mm	37mm
3109-75A*	50-75mm/2-3"	±3µm	82mm	8mm	50mm
3109-100A*	75-100mm/3-4"	±3µm	107mm	10mm	61mm
3109-125A	100-125mm/4-5"	±3µm	132mm	10mm	73mm
3109-150A	125-150mm/5-6"	±3µm	157mm	10mm	85mm
3109-175A	150-175mm/6-7"	±4µm	182mm	20mm	104mm
3109-200A	175-200mm/7-8"	±4µm	207mm	20mm	117mm
3109-225A	200-225mm/8-9"	±4µm	234mm	20mm	130mm
3109-250A	225-250mm/9-10"	±4µm	260mm	20mm	143mm
3109-275A	250-275mm/10-11"	±5µm	285mm	20mm	155mm
3109-300A	275-300mm/11-12"	±5µm	310mm	20mm	168mm



Set

Code	Range	Micrometers included	Packaging
3109-753A*	0-75mm/0-3"	3109-25A, 3109-50A, 3109-75A	blow mould case
3109-1004A*	0-100mm/0-4"	3109-25A, 3109-50A, 3109-75A, 3109-100A	blow mould case
3109-1506A	0-150mm/0-6"	3109-25A, 3109-50A, 3109-75A, 3109-100A, 3109-125A, 3109-150A	aluminum box
3109-3006A	150-300mm/6-12"	3109-175A, 3109-200A, 3109-225A, 3109-250A, 3109-275A, 3109-300A	aluminum box



3109-753A



3109-1506A

*Supplied with manufacturer inspection certificate

DATA OUTPUT

IP65 WATERPROOF

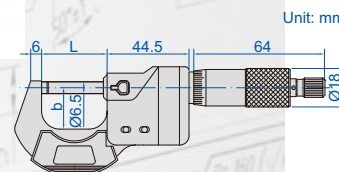
INSPECTION CERTIFICATE

DIGITAL VERTICAL MICROMETERS

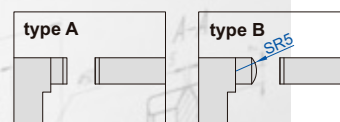
- Measure the thickness of plates for easy reading
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Carbide spindle tip
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30 need receiver page 4, 7302-30 page 12)



3565-25A



Code	Range	Type	Accuracy	L	b
3565-25A*	0-25mm/0-1"	A	±2µm	34.5mm	25mm
3565-50A*	25-50mm/1-2"	A	±2µm	59.5mm	32mm
3565-25BA*	0-25mm/0-1"	B	±2µm	34.5mm	25mm
3565-50BA*	25-50mm/1-2"	B	±2µm	59.5mm	32mm



*Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS

INSIZE PLUS
MADE IN EUROPE

- Carbide measuring faces
- Graduation: 0.01mm
- Meet DIN863-1
- Friction thimble
- Optional accessory: setting standards (code **7386**)

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

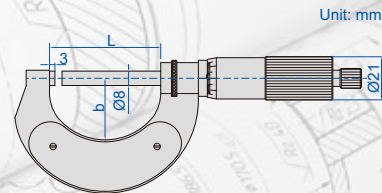
INSPECTION
CERTIFICATE

Code	Range	Accuracy	L	b
3701-25A *	0-25mm	4µm	37mm	24mm
3701-50A *	25-50mm	4µm	62mm	34mm
3701-75A *	50-75mm	5µm	87mm	46mm
3701-100A *	75-100mm	5µm	112mm	60mm
3701-125A *	100-125mm	6µm	139mm	72mm
3701-150A *	125-150mm	6µm	164mm	85mm
3701-175A *	150-175mm	7µm	190mm	97mm
3701-200A *	175-200mm	7µm	215mm	110mm
3701-225A *	200-225mm	8µm	240mm	122mm
3701-250A *	225-250mm	8µm	264mm	135mm
3701-275A *	250-275mm	9µm	290mm	148mm
3701-300A *	275-300mm	9µm	315mm	160mm

* Supplied with manufacturer inspection certificate



3701-25A



OUTSIDE MICROMETERS WITH 50mm RANGE

INSIZE PLUS
MADE IN EUROPE

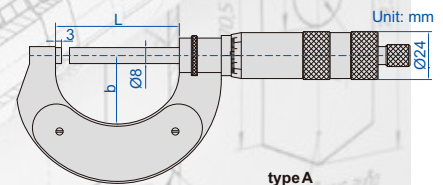
- Graduation 0.01mm
- Ratchet stop
- One turn of sleeve makes 1mm spindle feed
- Carbide measuring faces
- Optional accessory: setting standards (code **7386**)

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

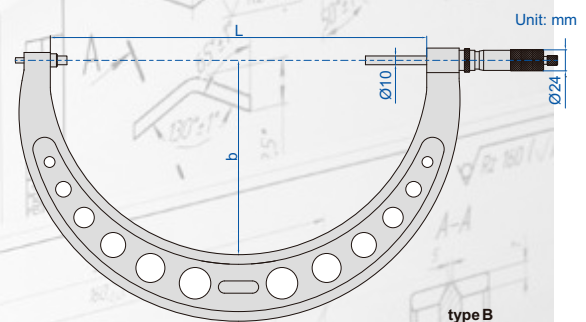
LIGHT
WEIGHT



3682-50



type A



type B

Code	Range	Type	Accuracy	L	b	Weight
3682-50	0-50mm	A	4µm	62	34	0.46kg
3682-100	50-100mm	A	5µm	112	60	0.62kg
3682-150	100-150mm	A	6µm	164	85	0.78kg
3682-200	150-200mm	A	7µm	215	110	1.03kg
3682-250	200-250mm	A	8µm	264	135	1.25kg
3682-300	250-300mm	A	9µm	315	160	1.45kg
3682-350	300-350mm	B	10µm	370	190	1.50kg
3682-400	350-400mm	B	11µm	430	220	1.80kg
3682-450	400-450mm	B	12µm	475	250	2.15kg
3682-500	450-500mm	B	13µm	530	273	2.30kg
3682-550	500-550mm	B	14µm	570	291	2.40kg
3682-600	550-600mm	B	14µm	630	323	3.00kg
3682-650	600-650mm	B	16µm	675	351	3.30kg
3682-700	650-700mm	B	16µm	730	378	3.70kg
3682-750	700-750mm	B	18µm	785	401	3.90kg
3682-800	750-800mm	B	18µm	830	423	4.10kg
3682-850	800-850mm	B	20µm	885	440	4.30kg
3682-900	850-900mm	B	20µm	930	473	4.90kg
3682-950	900-950mm	B	22µm	980	503	5.80kg
3682-1000	950-1000mm	B	22µm	1030	520	6.10kg

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

OUTSIDE MICROMETERS (GRADUATION 0.005mm)

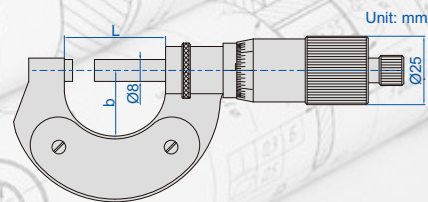
INSIZE PLUS
MADE IN EUROPE

- Graduation 0.005mm
- Friction thimble
- One turn of sleeve makes 0.5mm spindle feed
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)



3681-25

Code	Range	Accuracy	L	b
3681-25	0-25mm	4µm	37	24
3681-50	25-50mm	4µm	62	34
3681-75	50-75mm	5µm	87	46
3681-100	75-100mm	5µm	112	60
3681-125	100-125mm	6µm	139	72
3681-150	125-150mm	6µm	164	85
3681-175	150-175mm	7µm	190	97
3681-200	175-200mm	7µm	215	110
3681-225	200-225mm	8µm	240	122
3681-250	225-250mm	8µm	264	135
3681-275	250-275mm	9µm	290	148
3681-300	275-300mm	9µm	315	160



INSPECTION CERTIFICATE

OUTSIDE MICROMETERS

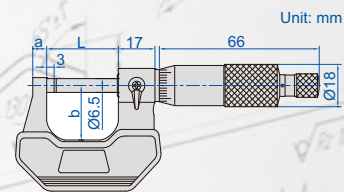
- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

Individual

Code	Range	Accuracy	L	a	b
3202-25A *	0-25mm	4µm	32mm	6mm	24mm
3202-50A *	25-50mm	4µm	57mm	8mm	32mm
3202-75A *	50-75mm	5µm	82mm	8mm	45mm
3202-100A *	75-100mm	5µm	107mm	8mm	57mm
3202-125A	100-125mm	6µm	133mm	8mm	70mm
3202-150A	125-150mm	6µm	125mm	8mm	82mm
3202-175A	150-175mm	7µm	183mm	8mm	95mm
3202-200A	175-200mm	7µm	209mm	8mm	107mm



3202-25A



Set

Code	Range	Micrometers included
3202-753A *	0-75mm	3202-25A, 3202-50A, 3202-75A
3202-1004A *	0-100mm	3202-25A, 3202-50A, 3202-75A, 3202-100A
3202-1506A	0-150mm	3202-25A, 3202-50A, 3202-75A, 3202-100A, 3202-125A, 3202-150A

* Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS

POPULAR MODEL

INSPECTION CERTIFICATE



3203-25A



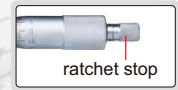
3203-50A



3203-1004A



3203-3006A



ratchet stop

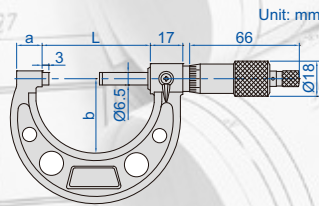


friction thimble for one hand operation



6

- Graduation: metric 0.01mm
inch 0.0001"
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm and 0-1")



Metric (ratchet stop type)

Code	Range	Accuracy	L	a	b
3203-25A*	0-25mm	±2µm	32mm	9mm	28mm
3203-50A*	25-50mm	±2µm	57mm	14mm	38mm
3203-75A*	50-75mm	±2µm	82mm	15mm	49mm
3203-100A*	75-100mm	±3µm	107mm	15mm	60mm
3203-125A	100-125mm	±3µm	133mm	16.5mm	73mm
3203-150A	125-150mm	±3µm	158mm	16.5mm	85mm
3203-175A	150-175mm	±4µm	183mm	19.4mm	104mm
3203-200A	175-200mm	±4µm	209mm	19.4mm	117mm
3203-225A	200-225mm	±4µm	234mm	19.4mm	130mm
3203-250A	225-250mm	±5µm	260mm	19.4mm	142mm
3203-275A	250-275mm	±5µm	285mm	19.4mm	155mm
3203-300A	275-300mm	±5µm	310mm	19.4mm	168mm

Inch (ratchet stop type)

Code	Range	Accuracy	L	a	b
3203-1A*	0-1"	±0.0001"	1.260"	0.354"	1.102"
3203-2A*	1-2"	±0.0001"	2.244"	0.551"	1.496"
3203-3A*	2-3"	±0.0001"	3.228"	0.591"	1.929"
3203-4A*	3-4"	±0.00015"	4.213"	0.591"	2.362"
3203-5A*	4-5"	±0.00015"	5.236"	0.650"	2.874"
3203-6A*	5-6"	±0.00015"	6.220"	0.650"	3.346"
3203-7A	6-7"	±0.0002"	7.205"	0.764"	4.094"
3203-8A	7-8"	±0.0002"	8.228"	0.764"	4.606"
3203-9A	8-9"	±0.0002"	9.213"	0.764"	5.118"
3203-10A	9-10"	±0.00025"	10.236"	0.764"	5.591"
3203-11A	10-11"	±0.00025"	11.220"	0.764"	6.102"
3203-12A	11-12"	±0.00025"	12.205"	0.764"	6.614"

Metric micrometer set (ratchet stop type)

Code	Range	Micrometers included	Packaging
3203-753A*	0-75mm	3203-25A, 3203-50A, 3203-75A	blow mould case
3203-1004A*	0-100mm	3203-25A, 3203-50A, 3203-75A, 3203-100A	blow mould case
3203-1506A	0-150mm	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A	blow mould case
3203-3006A	150-300mm	3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A	aluminum box
3203-3012A	0-300mm	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A, 3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A	aluminum box

Inch micrometer set (ratchet stop type)

Code	Range	Micrometers included	Packaging
3203-33A*	0-3"	3203-1A, 3203-2A, 3203-3A	blow mould case
3203-44A*	0-4"	3203-1A, 3203-2A, 3203-3A, 3203-4A	blow mould case
3203-66A*	0-6"	3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A	blow mould case
3203-126A	6-12"	3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A	aluminum box
3203-1212A	0-12"	3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A, 3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A	aluminum box

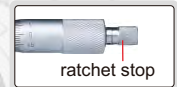
Inch (friction thimble type)

Code	Range	Accuracy	L	a	b
3203-1FA*	0-1"	±0.0001"	1.260"	0.354"	1.102"
3203-2FA*	1-2"	±0.0001"	2.244"	0.551"	1.496"
3203-3FA*	2-3"	±0.0001"	2.244"	0.591"	1.929"

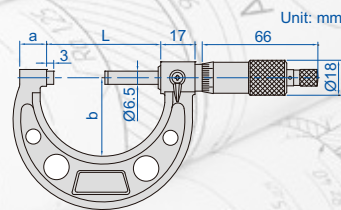
*Supplied with manufacturer inspection certificate

**INSPECTION
CERTIFICATE**
1µm GRADUATION OUTSIDE MICROMETERS

- Graduation 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)


3210-25A

Ratchet stop type
(mm)

Code	Range	Accuracy	L	a	b
3210-25A *	0-25mm	4µm	32	9	28
3210-50A *	25-50mm	4µm	57	14	38
3210-75A *	50-75mm	5µm	82	15	49
3210-100A *	75-100mm	5µm	107	15	60
3210-125A	100-125mm	6µm	133	16.5	73
3210-150A	125-150mm	6µm	158	16.5	85
3210-175A	150-175mm	7µm	183	19.4	104
3210-200A	175-200mm	7µm	209	19.4	117


Friction thimble type
(mm)

Code	Range	Accuracy	L	a	b
3210-25FA *	0-25mm	4µm	32	9	28
3210-50FA *	25-50mm	4µm	57	14	38

Micrometer set (ratchet stop type)

Code	Range	Micrometers included
3210-753A *	0-75mm	3210-25A, 3210-50A, 3210-75A
3210-1004A *	0-100mm	3210-25A, 3210-50A, 3210-75A, 3210-100A
3210-1506A	0-150mm	3210-25A, 3210-50A, 3210-75A, 3210-100A, 3210-125A, 3210-150A

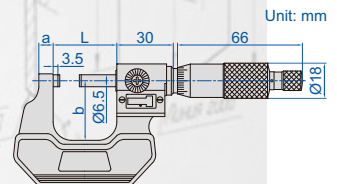
*Supplied with manufacturer inspection certificate

**INSPECTION
CERTIFICATE**
OUTSIDE MICROMETERS WITH COUNTER

- Counter resolution: 0.01mm
- Thimble graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)


3400-25

Code	Range	Accuracy	L	a	b
3400-25 *	0-25mm	4µm	32mm	6mm	26mm
3400-50 *	25-50mm	4µm	57mm	8mm	32mm
3400-75 *	50-75mm	5µm	82mm	8mm	44.5mm
3400-100 *	75-100mm	5µm	107mm	8mm	57mm
3400-125 *	100-125mm	6µm	132.4mm	17mm	71.8mm
3400-150 *	125-150mm	6µm	157.8mm	17mm	84mm
3400-175 *	150-175mm	7µm	185mm	20mm	98.5mm
3400-200 *	175-200mm	7µm	210.4mm	20mm	111mm
3400-225 *	200-225mm	8µm	236mm	20mm	124mm
3400-250 *	225-250mm	8µm	261mm	20mm	136.5mm
3400-275 *	250-275mm	9µm	287mm	20mm	149mm
3400-300 *	275-300mm	9µm	312mm	20mm	162mm



*Supplied with manufacturer inspection certificate

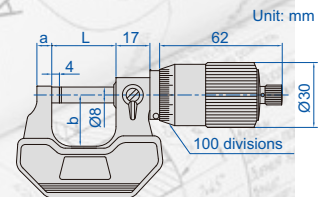
QUICK FEEDING OUTSIDE MICROMETERS

- Graduation 0.01mm
- 1mm feeding of each turn
- Friction thimble
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)



3208-25B

Code	Range	Accuracy	L	a	b
3208-25B	0-25mm	4μm	32mm	6mm	24mm
3208-50B	25-50mm	4μm	57mm	8mm	32mm
3208-75B	50-75mm	5μm	82mm	8mm	45mm
3208-100B	75-100mm	5μm	107mm	8mm	57mm
3208-125B	100-125mm	6μm	133mm	8mm	70mm
3208-150B	125-150mm	6μm	158mm	8mm	82mm
3208-175B	150-175mm	7μm	183mm	8mm	95mm
3208-200B	175-200mm	7μm	209mm	8mm	107mm



6

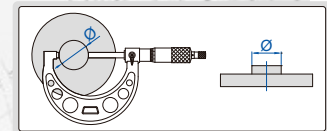
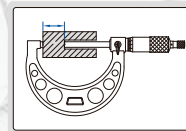
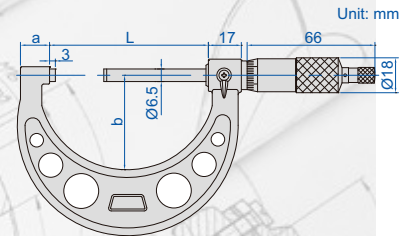
LONG SPINDLE OUTSIDE MICROMETERS

- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3209-25

Code	Range	Accuracy	L	a	b
3209-25	0-25mm	4μm	57mm	14mm	38mm
3209-50	25-50mm	4μm	82mm	15mm	49mm
3209-75	50-75mm	5μm	107mm	15mm	60mm
3209-100	75-100mm	5μm	133mm	16.5mm	73mm



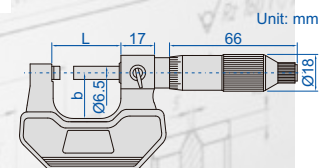
NON MAGNETIC MICROMETERS

- Suitable for magnetic materials
- Graduation: 0.01mm
- Non magnetic carbide measuring faces
- Ratchet stop



3231-25A

Code	Range	Accuracy	L	b
3231-25A	0-25mm	4μm	32mm	24mm
3231-50A	25-50mm	4μm	57mm	32mm
3231-75A	50-75mm	5μm	82mm	45mm
3231-100A	75-100mm	5μm	105mm	57mm

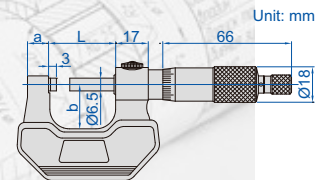


OUTSIDE MICROMETERS FOR LEFT OR RIGHT HANDERS

- Graduation 0.01mm
- Graduations on two sides
- Ratchet stop
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

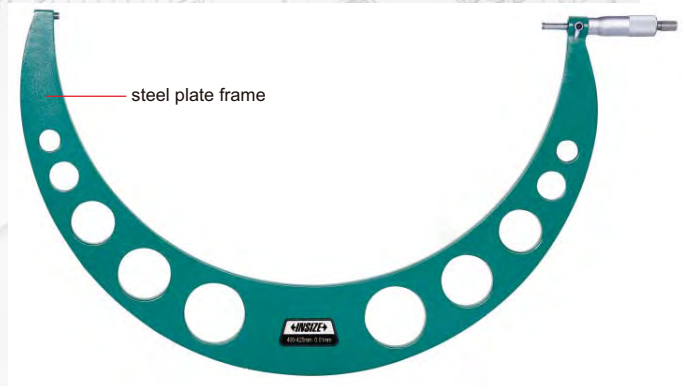
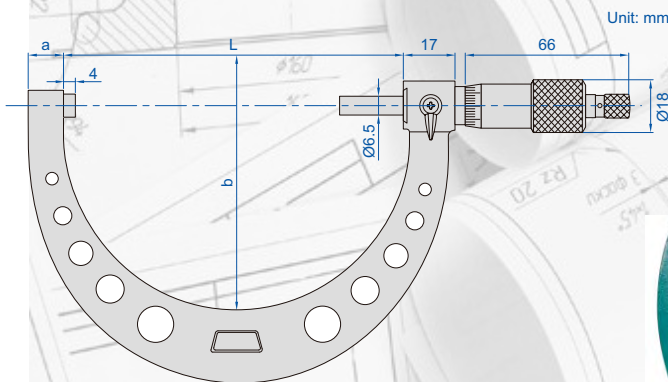


3236-25B



Code	Range	Accuracy	L	a	b
3236-25B	0-25mm	4µm	32	6	24
3236-50B	25-50mm	4µm	57	8	32
3236-75B	50-75mm	5µm	82	8	45
3236-100B	75-100mm	5µm	107	8	57
3236-125B	100-125mm	6µm	133	8	70
3236-150B	125-150mm	6µm	158	8	82
3236-175B	150-175mm	7µm	183	8	95
3236-200B	175-200mm	7µm	209	8	107

OUTSIDE MICROMETERS



3216-425

- Graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards

Code	Range	Accuracy	L	a	b
3216-325	300-325mm	10µm	338	20	176
3216-350	325-350mm	10µm	364	20	192
3216-375	350-375mm	11µm	389	20	202
3216-400	375-400mm	11µm	414	20	217
3216-425	400-425mm	12µm	440	20	226
3216-450	425-450mm	12µm	465	20	241
3216-475	450-475mm	13µm	491	20	255
3216-500	475-500mm	13µm	516	20	268



setting standard (included)

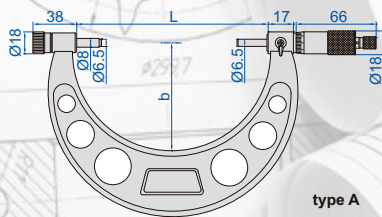
OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS



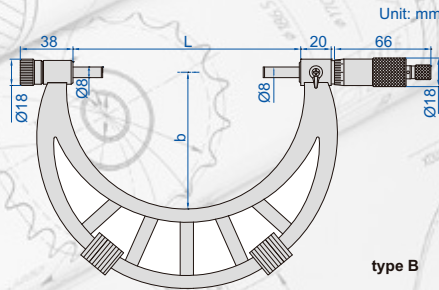
3206-150A



3206-400

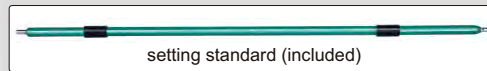


type A



type B

- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards



Code	Range	Type	Accuracy	L	b	Setting standard (included)
3206-50A	0-50mm	A	4µm	58	35	25
3206-100A	0-100mm	A	5µm	108	57	25, 50, 75
3206-150A	0-150mm	A	6µm	158	82	25, 50, 75, 100, 125
3206-151A	50-150mm	A	6µm	158	82	50, 75, 100, 125
3206-200A	100-200mm	A	7µm	208	114	100, 125, 150, 175
3206-300A	150-300mm	A	9µm	308	165	150, 175, 200, 225, 250, 275
3206-301A	200-300mm	A	9µm	308	165	200, 225, 250, 275
3206-400	300-400mm	B	11µm	409	224	325, 375
3206-500	400-500mm	B	13µm	509	275	425, 475
3206-600	500-600mm	B	14µm	609	321	525, 575
3206-700	600-700mm	B	16µm	709	371	625, 675
3206-800	700-800mm	B	18µm	809	426	725, 775
3206-900	800-900mm	B	20µm	909	476	825, 875
3206-1000	900-1000mm	B	22µm	1009	576	925, 975

IP65
WATERPROOF

DATA
OUTPUT

DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

cast iron frame

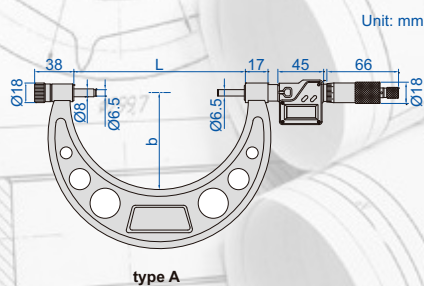


3506-100A

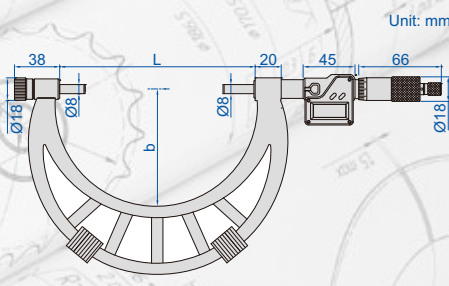
steel tube frame



3506-400A

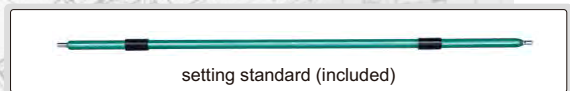


type A



type B

- Resolution 0.001mm/0.0001" (resolution of **3506-100A** and **3506-150A** is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code **7315-31** need receiver page 4, **7302-31** page 12)



(mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)
3506-100A	0-100mm/0-4"	A	±5µm	105	57	25, 50, 75
3506-150A	0-150mm/0-6"	A	±6µm	155	82	25, 50, 75, 100, 125
3506-300A	150-300mm/6-12"	A	±8µm	305	165	150, 175, 200, 225, 250, 275
3506-301A	200-300mm/8-12"	A	±8µm	305	165	200, 225, 250, 275
3506-400A	300-400mm/12-16"	B	±9µm	405	224	325, 375
3506-500A	400-500mm/16-20"	B	±11µm	505	275	425, 475
3506-600A	500-600mm/20-24"	B	±12µm	605	321	525, 575
3506-700A	600-700mm/24-28"	B	±13µm	705	371	625, 675
3506-800A	700-800mm/28-32"	B	±15µm	805	426	725, 775
3506-900A	800-900mm/32-36"	B	±16µm	905	476	825, 875
3506-1000A	900-1000mm/36-40"	B	±17µm	1005	576	925, 975

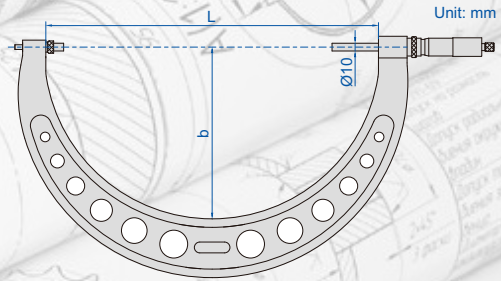
OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

LIGHT
WEIGHT

QUICK MEASUREMENT
ONE TURN OF SLEEVE OR RATCHET
STOP MAKES 1MM SPINDLE FEED



3675-300

- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Light weight
- Optional accessory: setting standards (code 7386)

interchangeable anvil (included)
for different measuring ranges



Code	Range	Accuracy	L	b	Weight
3675-200	100-200mm	6μm	240	122	1.2kg
3675-300	200-300mm	6μm	325	165	1.5kg
3675-400	300-400mm	7μm	430	220	1.9kg
3675-500	400-500mm	8μm	530	273	2.4kg
3675-600	500-600mm	9μm	630	323	3.1kg
3675-700	600-700mm	9μm	730	378	3.8kg
3675-800	700-800mm	9μm	830	423	4.2kg
3675-900	800-900mm	10μm	930	473	5kg
3675-1000	900-1000mm	10μm	1030	520	6.2kg
3675-1100	1000-1100mm	11μm	1135	585	7.6kg
3675-1200	1100-1200mm	11μm	1230	635	8.6kg
3675-1300	1200-1300mm	12μm	1335	685	9.7kg
3675-1400	1300-1400mm	12μm	1430	735	11.3kg
3675-1500	1400-1500mm	13μm	1530	780	12.5kg
3675-1600	1500-1600mm	18μm	1660	840	13.6kg
3675-1700	1600-1700mm	19μm	1765	890	14.9kg
3675-1800	1700-1800mm	20μm	1870	940	16.2kg
3675-1900	1800-1900mm	21μm	1970	1000	17.5kg
3675-2000	1900-2000mm	22μm	2075	1055	18.8kg

(mm)

OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

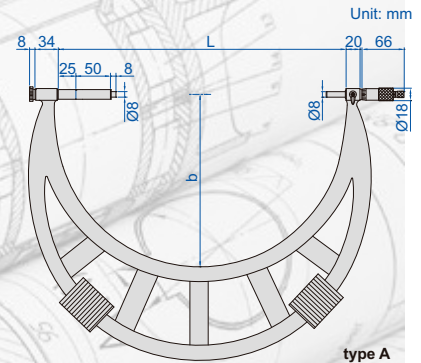


3205-400

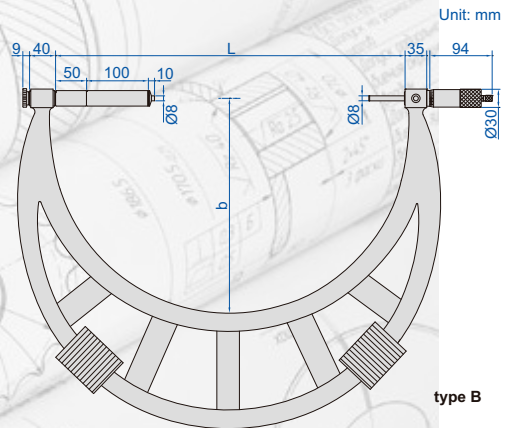


setting standard (included)

- Graduation 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



type A



type B

(mm)

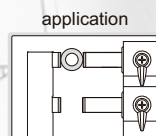
Code	Range	Type	Accuracy	L	b	Setting standard (included)
3205-400	300-400mm	A	11µm	410	250	325, 375
3205-500	400-500mm	A	13µm	510	295	425, 475
3205-600	500-600mm	A	14µm	610	345	525, 575
3205-700	600-700mm	A	16µm	710	395	625, 675
3205-800	700-800mm	A	18µm	810	445	725, 775,
3205-900	800-900mm	A	20µm	910	495	825, 875
3205-1000	900-1000mm	A	22µm	1010	545	925, 975
3205-1200	1000-1200mm	B	22µm	1210	645	1050, 1150
3205-1400	1200-1400mm	B	24µm	1410	745	1250, 1350
3205-1600	1400-1600mm	B	28µm	1610	845	1450, 1550
3205-1800	1600-1800mm	B	31µm	1810	945	1650, 1750
3205-2000	1800-2000mm	B	34µm	2010	1045	1850, 1950



adjust collars for different measuring ranges

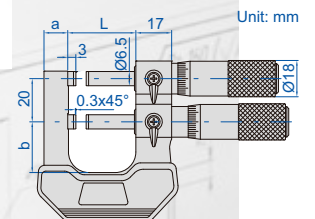
LIMIT MICROMETERS

- Used as Go/No-Go gage by setting upper and lower limits
- Graduation 0.002mm
- Carbide measuring faces
- Supplied with setting standard (except 0-25mm)



3235-25A

Code	Range	Accuracy	L	a	b
3235-25A	0-25mm	4µm	32mm	12mm	24mm
3235-50A	25-50mm	4µm	57mm	15mm	32mm



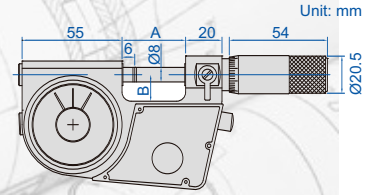
INDICATING MICROMETERS

INSIZE PLUS
MADE IN EUROPE

**INSPECTION
CERTIFICATE**

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

- Meet DIN863-3
- Carbide measuring faces
- Measuring force 5-10N
- Dial can be adjusted
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting

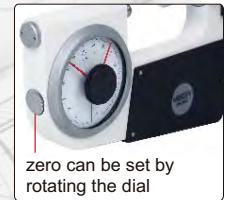


3333-25

(mm)

Code	Micrometer head			Dial indicator			A	B
	range	graduation	accuracy	range	graduation	accuracy		
3333-25 *	0-25mm	0.01mm	4µm	±0.07mm	1µm	±1µm	35.5	15
3333-252 *	0-25mm	0.01mm	4µm	±0.14mm	2µm	±2µm	35.5	15
3333-50 *	25-50mm	0.01mm	4µm	±0.07mm	1µm	±1µm	60.5	25
3333-502 *	25-50mm	0.01mm	4µm	±0.14mm	2µm	±2µm	60.5	25
3333-75 *	50-75mm	0.01mm	4µm	±0.07mm	1µm	±1µm	88	37.5
3333-752 *	50-75mm	0.01mm	4µm	±0.14mm	2µm	±2µm	88	37.5
3333-100 *	75-100mm	0.01mm	4µm	±0.07mm	1µm	±1µm	111	50
3333-1002 *	75-100mm	0.01mm	4µm	±0.14mm	2µm	±2µm	111	50
3333-125 *	100-125mm	0.01mm	4µm	±0.07mm	1µm	±1µm	136	62.5
3333-1252 *	100-125mm	0.01mm	4µm	±0.14mm	2µm	±2µm	136	62.5
3333-150 *	125-150mm	0.01mm	4µm	±0.07mm	1µm	±1µm	161	75
3333-1502 *	125-150mm	0.01mm	4µm	±0.14mm	2µm	±2µm	161	75
3333-175 *	150-175mm	0.01mm	4µm	±0.14mm	2µm	±2µm	186	88
3333-200 *	175-200mm	0.01mm	4µm	±0.14mm	2µm	±2µm	211	101
3333-225 *	200-225mm	0.01mm	4µm	±0.14mm	2µm	±2µm	236	113
3333-250 *	225-250mm	0.01mm	4µm	±0.14mm	2µm	±2µm	261	126
3333-275 *	250-275mm	0.01mm	4µm	±0.14mm	2µm	±2µm	286	138
3333-300 *	275-300mm	0.01mm	4µm	±0.14mm	2µm	±2µm	311	151

* Supplied with manufacturer inspection certificate



INDICATING MICROMETERS

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

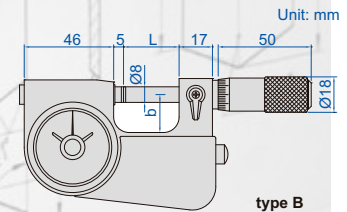
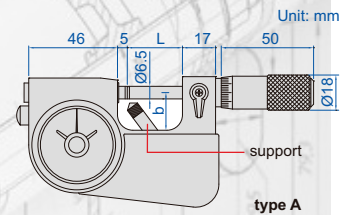
- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting



3332-25



3332-25B



(mm)

Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark
3332-25	0-25mm	4µm	A	28.5	19	with support
3332-50	25-50mm	4µm	A	53.5	30	with support
3332-75	50-75mm	5µm	A	78.5	45	without support
3332-100	75-100mm	5µm	A	103.5	57	without support
3332-25B	0-25mm	4µm	B	28.5	19	without support

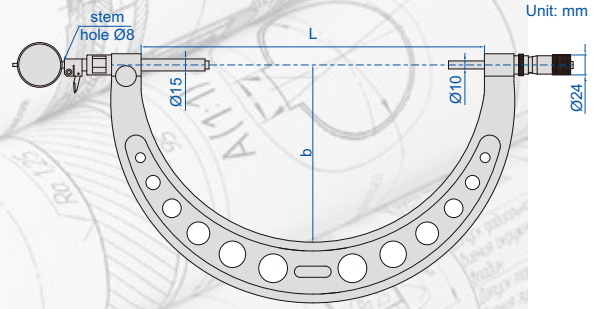
ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

LIGHT WEIGHT

MICROMETERS WITH DIAL INDICATOR

INSIZE PLUS
MADE IN EUROPE

digital indicator is optional



3685-300

- Graduation 0.01mm
- Anvil with vernier graduation, convenient adjustment for different measuring ranges
- Meet DIN863-3
- Carbide measuring faces
- Anvil retracting range: 2.5mm
- Optional accessory: dial/digital indicators, setting standards (code **7386**)

anvil with vernier graduation, can be adjusted for different measuring ranges



Range 100mm

(mm)

Code	Range	Micrometer head accuracy	L	b	Weight
3685-300	200-300mm	6µm	320	165	1.7kg
3685-400	300-400mm	7µm	430	220	2.1kg
3685-500	400-500mm	8µm	530	273	2.6kg
3685-600	500-600mm	9µm	630	323	3.3kg
3685-700	600-700mm	9µm	730	378	4.0kg
3685-800	700-800mm	9µm	830	423	4.4kg
3685-900	800-900mm	10µm	930	473	5.2kg
3685-1000	900-1000mm	10µm	1030	520	6.4kg

Range 200mm

(mm)

Code	Range	Micrometer head accuracy	L	b	Weight
3685-402	200-400mm	7µm	430	220	2.2kg
3685-602	400-600mm	9µm	630	323	3.4kg
3685-802	600-800mm	9µm	830	423	4.5kg
3685-1002	800-1000mm	10µm	1030	520	6.5kg
3685-1202	1000-1200mm	11µm	1230	635	8.9kg
3685-1402	1200-1400mm	12µm	1430	735	11.6kg
3685-1602	1400-1600mm	18µm	1660	840	13.9kg
3685-1802	1600-1800mm	20µm	1870	940	16.5kg
3685-2002	1800-2000mm	22µm	2075	1055	19.1kg

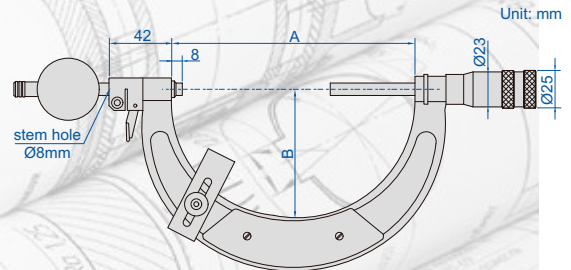
MICROMETERS WITH DIAL INDICATOR

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

INSPECTION
CERTIFICATE

digital indicator
is optional



3346-25

6

Code	Micrometer head range	Micrometer head graduation	Micrometer head accuracy	A	B
3346-25*	0-25mm	5µm	4µm	37	24
3346-50*	25-50mm	5µm	4µm	62	34
3346-75*	50-75mm	5µm	5µm	87	46
3346-100*	75-100mm	5µm	5µm	112	60
3346-150*	100-150mm	5µm	6µm	164	85
3346-200*	150-200mm	5µm	7µm	215	110
3346-250*	200-250mm	5µm	8µm	264	135
3346-300*	250-300mm	5µm	9µm	315	160

(mm)

- Anvil retracting range: 2.5mm
- Carbide measuring faces
- Parallelism of measuring faces: 1µm
- Optional accessory: dial indicator (code 2890-1F), digital indicator, gage blocks grade 1 (4101-B series), for zero setting

* Supplied with manufacturer inspection certificate

MICROMETERS WITH DIAL INDICATOR

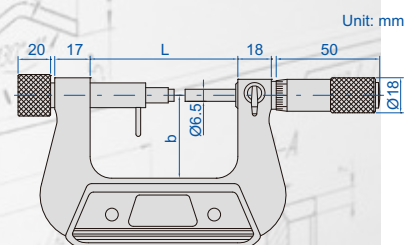
ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

- Meet DIN863-3
- Micrometer head graduation 0.01mm
- Anvil retracting range: 8mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)
- Optional accessory: dial indicators (graduation 0.01mm), digital indicators (resolution 0.01mm/0.0005")



3331-25A

Code	Micrometer head range	Micrometer head accuracy	L	b
3331-25A	0-25mm	4µm	67mm	38mm
3331-50A	25-50mm	4µm	92.4mm	50mm
3331-75A	50-75mm	5µm	117.6mm	62mm
3331-100A	75-100mm	5µm	143mm	70mm
3331-125A	100-125mm	6µm	168.2mm	82mm
3331-150A	125-150mm	6µm	192mm	94.5mm
3331-175A	150-175mm	7µm	217mm	107mm



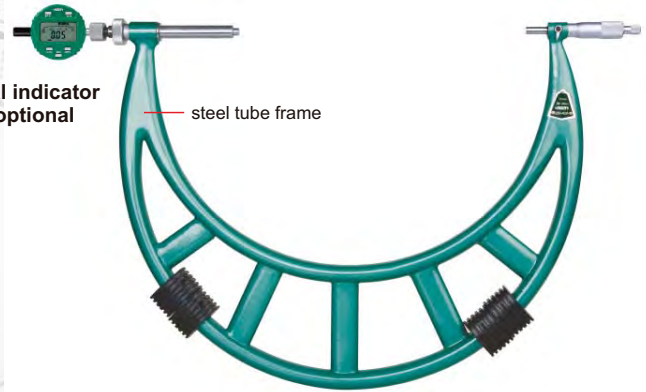
ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

MICROMETERS WITH DIAL INDICATOR



digital indicator is optional

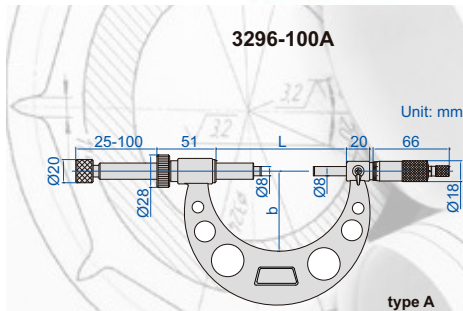
cast iron frame



digital indicator is optional

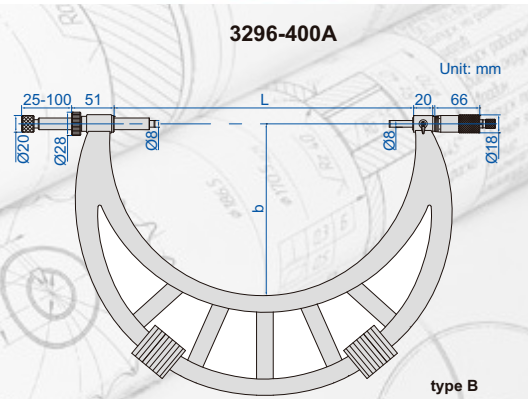
steel tube frame

3296-100A



type A

3296-400A



type B

Code	Range	Type	Accuracy	L	b
3296-100A	0-100mm	A	6µm	115	68
3296-200A	100-200mm	A	7µm	215	120
3296-300A	200-300mm	A	8µm	315	170
3296-400A	300-400mm	B	9µm	415	225
3296-500A	400-500mm	B	10µm	515	275
3296-600A	500-600mm	B	11µm	615	325
3296-700A	600-700mm	B	12µm	715	375
3296-800A	700-800mm	B	13µm	815	430
3296-900A	800-900mm	B	14µm	915	480
3296-1000A	900-1000mm	B	15µm	1015	530

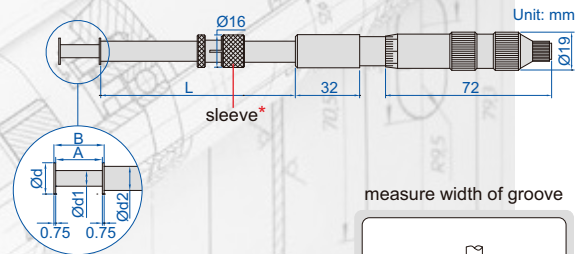
- Meet DIN863-3
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: dial indicators (graduation 0.01mm) digital indicators (resolution 0.01mm/0.0005")

GROOVE MICROMETERS



3287-50B

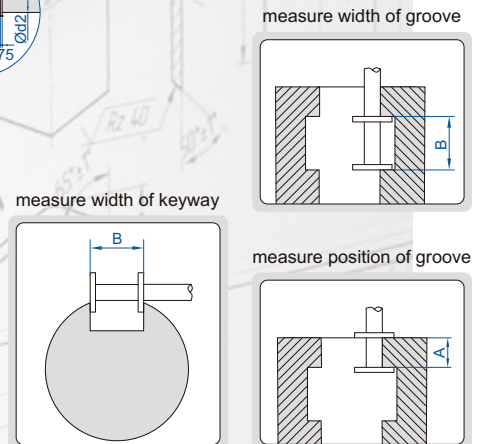
- Measure width of grooves inside bores
- Graduation 0.01mm
- Two graduations for inside and outside measurements
- Non-rotating spindle
- Two-directional ratchet stop



(mm)

Code	Range (outside A)	Range (inside B)	Accuracy	L	Ød	Ød1	Ød2
3287-25B	0-25mm	1.6-26.5mm	10µm	120	13	6.5	10
3287-50B	25-50mm	26.5-51.5mm	10µm	120	13	6.5	10
3287-75B	50-75mm	51.5-76.5mm	10µm	120	13	6.5	10
3287-100B	75-100mm	76.5-101.5mm	10µm	120	13	6.5	10
3287-125B	100-125mm	101.5-126.5mm	15µm	120	13	6.5	10
3287-150B	125-150mm	126.5-151.5mm	15µm	120	13	6.5	10
3287-251B*	0-25mm	1.6-26.5mm	10µm	90	6.5	3	5

*3287-251B does not have sleeve



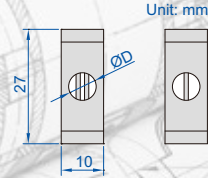
3-WIRES



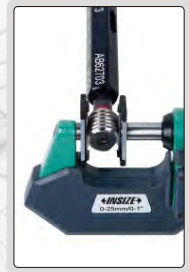
- Used with standard outside micrometers to measure pitch diameter of screw threads
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Cylindricity: $1\mu\text{m}$
- Hardness: HRC60
- Supplied with manufacturer inspection certificate



7382-19



application



For outside micrometers with spindle $\text{Ø}6.35\text{mm}$ (ØD)

Code	Pin gage diameter	Applicable pitch
7382-11	Ø0.170mm	0.2mm, 0.25mm, 0.3mm
7382-12	Ø0.195mm	0.35mm
7382-13	Ø0.220mm	0.4mm
7382-14	Ø0.250mm	0.45mm
7382-15	Ø0.290mm	0.5mm
7382-16	Ø0.335mm	0.6mm
7382-17	Ø0.390mm	0.7mm
7382-18	Ø0.455mm	0.75mm, 0.8mm
7382-19	Ø0.530mm	0.9mm
7382-110	Ø0.620mm	1.0mm
7382-111	Ø0.725mm	1.25mm
7382-112	Ø0.895mm	1.5mm
7382-113	Ø1.100mm	1.75mm, 2.0mm
7382-114	Ø1.350mm	2.5mm
7382-115	Ø1.650mm	3.0mm
7382-116	Ø2.050mm	3.5mm
7382-117	Ø2.550mm	4mm, 4.5mm
7382-118	Ø3.200mm	5mm, 5.5mm, 6mm
7382-1S	18 pairs/set, including all above 3-wires	

For outside micrometers with spindle $\text{Ø}6.50\text{mm}$ (ØD)

Code	Pin gage diameter	Applicable pitch
7382-21	Ø0.170mm	0.2mm, 0.25mm, 0.3mm
7382-22	Ø0.195mm	0.35mm
7382-23	Ø0.220mm	0.4mm
7382-24	Ø0.250mm	0.45mm
7382-25	Ø0.290mm	0.5mm
7382-26	Ø0.335mm	0.6mm
7382-27	Ø0.390mm	0.7mm
7382-28	Ø0.455mm	0.75mm, 0.8mm
7382-29	Ø0.530mm	0.9mm
7382-210	Ø0.620mm	1.0mm
7382-211	Ø0.725mm	1.25mm
7382-212	Ø0.895mm	1.5mm
7382-213	Ø1.100mm	1.75mm, 2.0mm
7382-214	Ø1.350mm	2.5mm
7382-215	Ø1.650mm	3.0mm
7382-216	Ø2.050mm	3.5mm
7382-217	Ø2.550mm	4mm, 4.5mm
7382-218	Ø3.200mm	5mm, 5.5mm, 6mm
7382-2S	18 pairs/set, including all above 3-wires	

6

3-WIRES



CUSTOMIZABLE DIAMETER Ød



7394-75A

- $\text{Ø}d \leq 0.3\text{mm}$, made of alloy steel, hardness HRC60;
- $\text{Ø}d > 0.3\text{mm}$, made of carbide, hardness HRA90
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Cylindricity: $\pm 0.5\mu\text{m}$
- Supplied with manufacturer inspection certificate

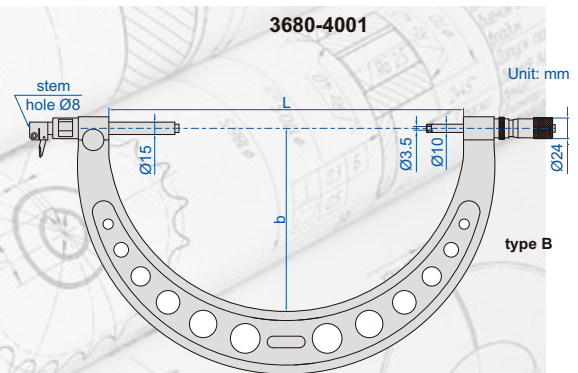
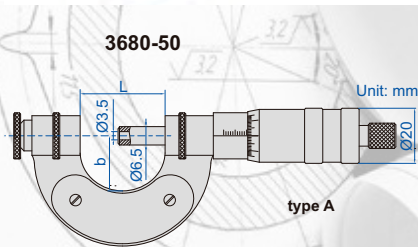
Code	Diameter (Ød)	Applicable pitch
7394-60A*	0.170mm	0.2mm, 0.25mm, 0.3mm
7394-61A*	0.195mm	0.35mm
7394-62A*	0.220mm	0.4mm
7394-63A*	0.250mm	0.45mm
7394-64A*	0.290mm	0.5mm
7394-65A	0.335mm	0.6mm
7394-66A	0.390mm	0.7mm
7394-67A	0.455mm	0.75mm, 0.8mm
7394-68A	0.530mm	0.9mm
7394-69A	0.620mm	1.0mm
7394-70A	0.725mm	1.25mm
7394-71A	0.895mm	1.5mm
7394-72A	1.100mm	1.75mm, 2.0mm
7394-73A	1.350mm	2.5mm
7394-74A	1.650mm	3.0mm
7394-75A	2.050mm	3.5mm
7394-76A	2.550mm	4mm, 4.5mm
7394-77A	3.200mm	5mm, 5.5mm, 6mm

*Made of alloy steel

**INSPECTION
CERTIFICATE**

EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN EUROPE



- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Optional accessory: setting standards (code **7384**), external tread tips (code **7390**), dial/digital indicators (only for type B)

Type A (ratchet stop) (mm)

Code	Range	Accuracy	L	b
3680-25 *	0-25mm	4µm	37	24
3680-50 *	25-50mm	4µm	62	34
3680-75 *	50-75mm	4µm	87	46
3680-100 *	75-100mm	4µm	112	60
3680-125 *	100-125mm	5µm	139	72
3680-150 *	125-150mm	5µm	164	85
3680-200 *	150-200mm	7µm	215	110
3680-250 *	200-250mm	7µm	264	135
3680-300 *	250-300mm	7µm	315	160

Type B (without ratchet stop) (mm)

Code	Range	Left anvil retracting stroke	Micrometer head accuracy	L	b
3680-3001 *	200-300mm	2.5mm	6µm	320	165
3680-4001 *	300-400mm	2.5mm	7µm	430	220
3680-5001 *	400-500mm	2.5mm	8µm	530	273
3680-6001 *	500-600mm	2.5mm	9µm	630	323
3680-7001 *	600-700mm	2.5mm	9µm	730	378
3680-8001 *	700-800mm	2.5mm	9µm	830	423
3680-9001 *	800-900mm	2.5mm	10µm	930	473
3680-10001 *	900-1000mm	2.5mm	10µm	1030	520
3680-4002 *	200-400mm	2.5mm	7µm	430	220
3680-6002 *	400-600mm	2.5mm	9µm	630	323
3680-8002 *	600-800mm	2.5mm	9µm	830	423
3680-10002 *	800-1000mm	2.5mm	10µm	1030	520
3680-12002 *	1000-1200mm	2.5mm	11µm	1230	635
3680-14002 *	1200-1400mm	2.5mm	12µm	1430	735
3680-16002 *	1400-1600mm	2.5mm	18µm	1660	840
3680-18002 *	1600-1800mm	2.5mm	20µm	1870	940
3680-20002 *	1800-2000mm	2.5mm	22µm	2075	1055

* Supplied with manufacturer inspection certificate

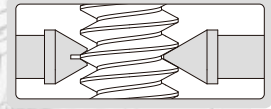
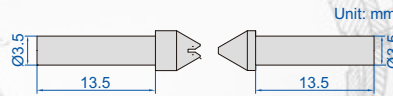
MEASURING TIPS FOR EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN EUROPE

- Supplied in pair
- Made of hardened steel
- Suitable for 3680 series micrometers



7390-T104



60° thread angle

Code	Pitch
7390-T101	0.35-0.5mm/ 72-48TPI
7390-T102	0.6-0.8mm/ 44-32TPI
7390-T103	0.9-1.25mm/ 28-18TPI
7390-T104	1.5-2mm/ 16-11TPI
7390-T105	2.5-3.5mm/ 10-7TPI
7390-T106	4-6mm/ 6-4TPI

55° thread angle

Code	Pitch
7390-T201	60-48TPI
7390-T202	40-32TPI
7390-T203	28-22TPI
7390-T204	20-16TPI
7390-T205	14-11TPI
7390-T206	10-7TPI
7390-T207	6-4TPI

30° thread angle

Code	Pitch
7390-T301	1.5mm
7390-T302	2mm
7390-T303	3mm
7390-T304	4mm
7390-T305	5-6mm
7390-T306	7-8mm
7390-T307	9-10mm
7390-T308	12-14mm

6

SETTING STANDARDS FOR EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: WHEN PITCH <0.4MM OR >63.5 TPI, SETTING STANDARDS CANNOT BE USED TO SET ZERO, A CALIBRATED WORK PIECE CAN BE USED INSTEAD

TIPS FOR TRAPEZOIDAL, ACME THREAD ARE ALSO AVAILABLE



7384-A100



- Made of hardened steel
- Deviation (difference between the ordered size and the size marked on the setting standard when supplied): $\pm 20\mu\text{m}$
For example, the ordered size is 25mm, the size marked on the setting standard when supplied may be 25.015mm

60° thread angle

Code	L	Ød	Accuracy
7384-A25	25	7.8	$\pm 2.5\mu\text{m}$
7384-A50	50	7.8	$\pm 3\mu\text{m}$
7384-A75	75	7.8	$\pm 3.5\mu\text{m}$
7384-A100	100	7.8	$\pm 4\mu\text{m}$
7384-A125	125	7.8	$\pm 4.5\mu\text{m}$
7384-A150	150	7.8	$\pm 5\mu\text{m}$
7384-A175	175	7.8	$\pm 5.5\mu\text{m}$
7384-A200	200	7.8	$\pm 6\mu\text{m}$
7384-A225	225	10	$\pm 6.5\mu\text{m}$
7384-A250	250	10	$\pm 7\mu\text{m}$
7384-A275	275	10	$\pm 7.5\mu\text{m}$
7384-A300	300	10	$\pm 8\mu\text{m}$

55° thread angle

Code	L	Ød	Accuracy
7384-B25	25	7.8	$\pm 2.5\mu\text{m}$
7384-B50	50	7.8	$\pm 3\mu\text{m}$
7384-B75	75	7.8	$\pm 3.5\mu\text{m}$
7384-B100	100	7.8	$\pm 4\mu\text{m}$
7384-B125	125	7.8	$\pm 4.5\mu\text{m}$
7384-B150	150	7.8	$\pm 5\mu\text{m}$
7384-B175	175	7.8	$\pm 5.5\mu\text{m}$
7384-B200	200	7.8	$\pm 6\mu\text{m}$
7384-B225	225	10	$\pm 6.5\mu\text{m}$
7384-B250	250	10	$\pm 7\mu\text{m}$
7384-B275	275	10	$\pm 7.5\mu\text{m}$
7384-B300	300	10	$\pm 8\mu\text{m}$

NON-ROTATING SPINDLE

SCREW THREAD MICROMETERS



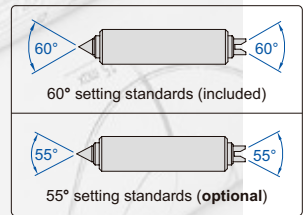
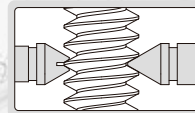
3281-25A
(measuring tips are optional)



3281-S25
(measuring tips are included)



- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm)
- Optional accessory: 55° setting standards



Measuring tips are optional (mm)

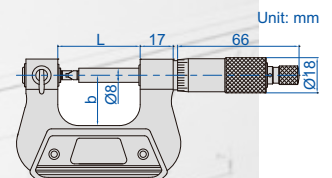
Code	Range	L	b	55° setting standard (optional)
3281-25A	0-25mm	42	26	-
3281-50A	25-50mm	67	38	3281-SP1
3281-75A	50-75mm	92	50	3281-SP2
3281-100A	75-100mm	117.6	62	3281-SP3
3281-125A	100-125mm	143	70	3281-SP4
3281-150A	125-150mm	168.2	82	3281-SP5
3281-175A	150-175mm	192	94.5	3281-SP6
3281-200A	175-200mm	217	107	3281-SP7
3281-225A	200-225mm	242	130	3281-SP8
3281-250A	225-250mm	267	142	3281-SP9
3281-275A	250-275mm	291	155	3281-SP10
3281-300A	275-300mm	317	167	3281-SP11

Measuring tips are included (mm)

Code	Range	L	b	Measuring tips (included)	55° setting standard (optional)
3281-S25	0-25mm	42	26	6 pairs of measuring tips: metric and unified thread (60° thread angle) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI	-
3281-S50	25-50mm	67	38		3281-SP1
3281-S75	50-75mm	92	50		3281-SP2
3281-S100	75-100mm	117.6	62		3281-SP3
3281-S125	100-125mm	143	70		3281-SP4
3281-S150	125-150mm	168.2	82		3281-SP5
3281-S175	150-175mm	192	94.5		3281-SP6
3281-S200	175-200mm	217	107		3281-SP7
3281-S225	200-225mm	242	130		3281-SP8
3281-S250	225-250mm	267	142		3281-SP9
3281-S275	250-275mm	291	155		3281-SP10
3281-S300	275-300mm	317	167	3281-SP11	

accuracy of micrometers with tips (mm)

Pitch	Range							
	0-25	25-50	50-75	75-100	100-125	125-200	200-225	225-300
0.4~0.5	±0.01	-	-	-	-	-	-	-
0.6~0.8	±0.01	±0.013	-	-	-	-	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017	-	-	-	-
1.5~2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023	±0.025	±0.028
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025	±0.028	±0.031
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028	±0.031	±0.033



DIGITAL SCREW THREAD MICROMETERS

DATA
OUTPUT

NON-ROTATING
SPINDLE



3581-25A
(measuring tips are optional)



3581-S25
(measuring tips are included)



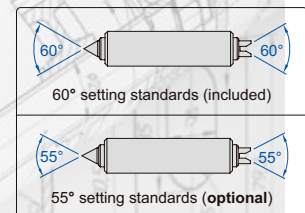
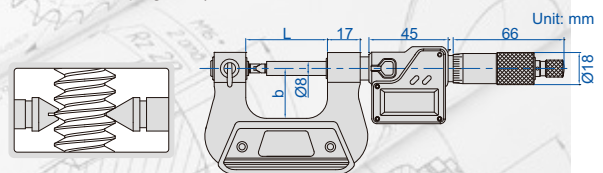
Measuring tips are optional

Code	Range	L	b	55° setting standard (optional)
3581-25A	0-25mm/0-1"	42	26	-
3581-50A	25-50mm/1-2"	67	38	3281-SP1
3581-75A	50-75mm/2-3"	92	50	3281-SP2
3581-100A	75-100mm/3-4"	117.6	62	3281-SP3
3581-125A	100-125mm/4-5"	143	70	3281-SP4
3581-150A	125-150mm/5-6"	168.2	82	3281-SP5
3581-175A	150-175mm/6-7"	192	94.5	3281-SP6
3581-200A	175-200mm/7-8"	217	107	3281-SP7
3581-225A	200-225mm/8-9"	242	130	3281-SP8
3581-250A	225-250mm/9-10"	267	142	3281-SP9
3581-275A	250-275mm/10-11"	291	155	3281-SP10
3581-300A	275-300mm/11-12"	317	167	3281-SP11

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm/0-1")
- Optional accessory: 55° setting standards, data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

Measuring tips are included

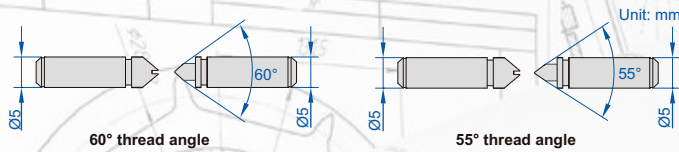
Code	Range	L	b	Measuring tips (included)	55° setting standard (optional)
3581-S25	0-25mm/0-1"	42	26	6 pairs of measuring tips: metric and unified thread (60° thread angle) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI	-
3581-S50	25-50mm/1-2"	67	38		3281-SP1
3581-S75	50-75mm/2-3"	92	50		3281-SP2
3581-S100	75-100mm/3-4"	117.6	62		3281-SP3
3581-S125	100-125mm/4-5"	143	70		3281-SP4
3581-S150	125-150mm/5-6"	168.2	82		3281-SP5
3581-S175	150-175mm/6-7"	192	94.5		3281-SP6
3581-S200	175-200mm/7-8"	217	107		3281-SP7
3581-S225	200-225mm/8-9"	242	130		3281-SP8
3581-S250	225-250mm/9-10"	267	142		3281-SP9
3581-S275	250-275mm/10-11"	291	155		3281-SP10
3581-S300	275-300mm/11-12"	317	167	3281-SP11	



accuracy of micrometers with tips

Pitch	Range							
	0-25	25-50	50-75	75-100	100-125	125-200	200-225	225-300
0.4-0.5	±0.01	-	-	-	-	-	-	-
0.6-0.8	±0.01	±0.013	-	-	-	-	-	-
1-1.25	±0.012	±0.015	±0.017	±0.017	-	-	-	-
1.5-2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023	±0.025	±0.028
2.5-3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025	±0.028	±0.031
4.0-7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028	±0.031	±0.033

MEASURING TIPS FOR SCREW THREAD MICROMETERS



7381-T13

- Supplied in pair
- Suitable for 3281, 3581 series micrometers

Metric and unified thread (60° thread angle)

Code	Pitch
7381-T11	0.4-0.5mm/ 64-48TPI
7381-T12	0.6-0.9mm/ 44-28TPI
7381-T13	1-1.75mm/ 24-14TPI
7381-T14	2-3mm/ 13-9TPI
7381-T15	3.5-5mm/ 8-5TPI
7381-T16	5.5-7mm/ 4.5-3.5TPI
7381-TS	6 pairs/set, including all above tips

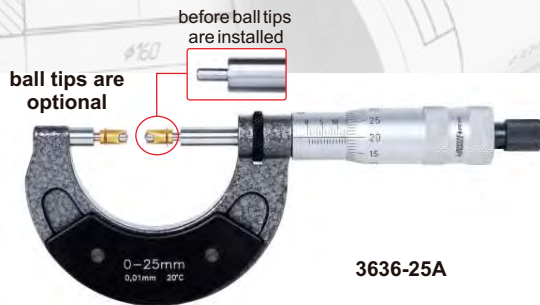
Whitworth thread (55° thread angle)

Code	Pitch
7381-T21	60-48TPI
7381-T22	48-40TPI
7381-T23	40-32TPI
7381-T24	32-24TPI
7381-T25	24-18TPI
7381-T26	18-14TPI
7381-T27	14-10TPI
7381-T28	10-7TPI
7381-T29	7-4.5TPI
7381-T210	4.5-3.5TPI
7381-T2S	10 pairs/set, including all above tips

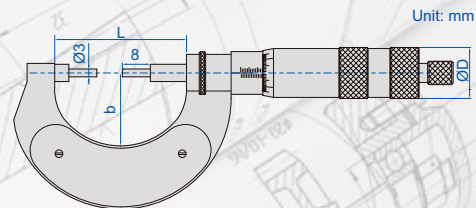


ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

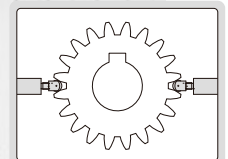
EXTERNAL GEAR TOOTH MICROMETERS



3636-25A



cylindrical tips (optional)



- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Optional accessory: ball tips (code 7389), cylindrical tips (code 7393), setting standards (code 7386)

Code	Range	Accuracy	L	b	ØD
3636-25A*	0-25mm	3µm	62	34	20
3636-50A*	25-50mm	3µm	87	46	20
3636-75A*	50-75mm	4µm	112	60	20
3636-100A*	75-100mm	4µm	139	72	20
3636-125A*	100-125mm	5µm	164	85	20
3636-150A*	125-150mm	5µm	190	97	20
3636-175A*	150-175mm	5µm	215	110	20
3636-200A*	175-200mm	5µm	240	122	20

Code	Range	Accuracy	L	b	ØD
3636-225A*	200-225mm	6µm	264	135	20
3636-250A*	225-250mm	6µm	290	148	20
3636-300A*	250-300mm	6µm	325	165	24
3636-350A*	300-350mm	7µm	370	190	24
3636-400A*	350-400mm	7µm	430	220	24
3636-450A*	400-450mm	8µm	475	250	24
3636-500A*	450-500mm	8µm	530	273	24
3636-550A*	500-550mm	9µm	570	291	24
3636-600A*	550-600mm	9µm	630	323	24

* Supplied with manufacturer inspection certificate

CYLINDRICAL TIPS FOR GEAR TOOTH MICROMETERS

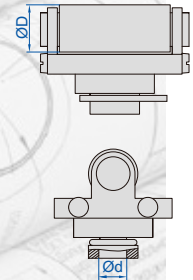
INSIZE PLUS
MADE IN EUROPE

CYLINDRICAL DIAMETER
ØD CAN BE CUSTOMIZED

- Supplied in pair
- Made of hardened steel
- Self-positioning
- Suitable for 3636, 3638, 3678, series micrometers



7393-T5



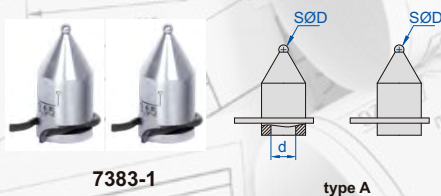
Code	Diameter of shaft (ØD)	Ød	Accuracy
7393-T1	1mm	3mm	±1µm
7393-T2	2mm	3mm	±1µm
7393-T3	3mm	3mm	±1µm
7393-T3D5	3.5mm	3mm	±1µm
7393-T4	4mm	3mm	±1µm
7393-T5	5mm	3mm	±1µm
7393-T6	6mm	3mm	±1µm
7393-T7	7mm	3mm	±1µm
7393-T8	8mm	3mm	±1µm

6

BALL TIPS FOR GEAR TOOTH MICROMETERS

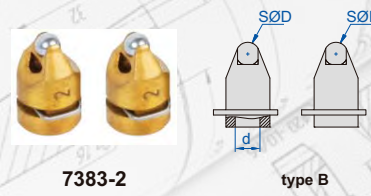
INSIZE PLUS
MADE IN EUROPE

BALL TIPS DIAMETER
SØD CAN BE CUSTOMIZED



7383-1

type A



7383-2

type B

- Supplied in pair
- Made of hardened steel
- Suitable for 3636, 3638, 3678 series micrometers

Code	Ball dia. (SØD)	d	Accuracy	Type
7383-1	SØ1mm	Ø3mm	±1µm	A
7383-1D5	SØ1.5mm	Ø3mm	±1µm	B
7383-1D75	SØ1.75mm	Ø3mm	±1µm	B
7383-2	SØ2mm	Ø3mm	±1µm	B
7383-2D25	SØ2.25mm	Ø3mm	±1µm	B
7383-2D5	SØ2.5mm	Ø3mm	±1µm	B
7383-3	SØ3mm	Ø3mm	±1µm	B
7383-3D5	SØ3.5mm	Ø3mm	±1µm	B
7383-4	SØ4mm	Ø3mm	±1µm	B
7383-4D5	SØ4.5mm	Ø3mm	±1µm	B
7383-5	SØ5mm	Ø3mm	±1µm	B
7383-5D5	SØ5.5mm	Ø3mm	±1µm	B
7383-6	SØ6mm	Ø3mm	±1µm	B

Code	Ball dia. (SØD)	d	Accuracy	Type
7383-6D5	SØ6.5mm	Ø3mm	±1µm	B
7383-7	SØ7mm	Ø3mm	±1µm	B
7383-7D5	SØ7.5mm	Ø3mm	±1µm	B
7383-8	SØ8mm	Ø3mm	±1µm	B
7383-9	SØ9mm	Ø3mm	±1µm	B
7383-10	SØ10mm	Ø3mm	±1µm	B
7383-10D5	SØ10.5mm	Ø3mm	±1.5µm	B
7383-11	SØ11mm	Ø3mm	±1.5µm	B
7383-12	SØ12mm	Ø3mm	±1.5µm	B
7383-13	SØ13mm	Ø3mm	±1.5µm	B
7383-14	SØ14mm	Ø3mm	±1.5µm	B
7383-15	SØ15mm	Ø3mm	±1.5µm	B
7383-16	SØ16mm	Ø3mm	±1.5µm	B

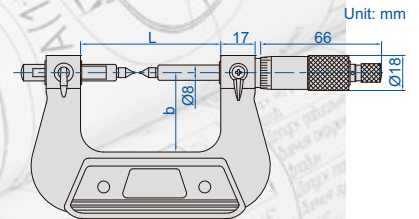
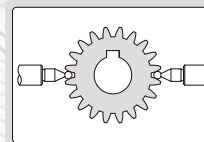
GEAR TOOTH MICROMETERS

- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)

Code	Range	Accuracy	L	b
3291-25	0-25mm	4µm	67	38
3291-50	25-50mm	4µm	92.4	50
3291-75	50-75mm	5µm	117.6	62
3291-100	75-100mm	5µm	143	70
3291-125	100-125mm	6µm	168.2	82
3291-150	125-150mm	6µm	192	94.5
3291-175	150-175mm	7µm	217	107
3291-200	175-200mm	7µm	242	130
3291-225	200-225mm	8µm	267	142.5
3291-250	225-250mm	8µm	292	155
3291-275	250-275mm	9µm	317	167.5



3291-25



IP65
WATERPROOF

DATA
OUTPUT

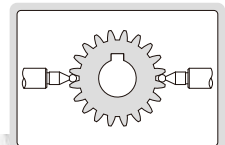
DIGITAL GEAR TOOTH MICROMETERS

- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391), data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

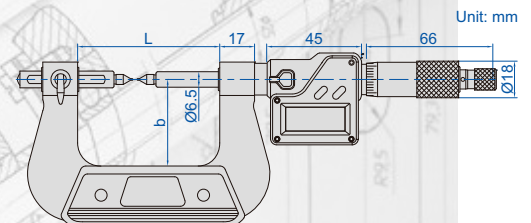
ball tips are optional



3591-25A



Code	Range	Accuracy	L	b
3591-25A	0-25mm/0-1"	±4µm	67	38
3591-50A	25-50mm/1-2"	±4µm	92.4	50
3591-75A	50-75mm/2-3"	±5µm	117.6	62
3591-100A	75-100mm/3-4"	±5µm	143	70
3591-125A	100-125mm/4-5"	±6µm	168.2	82
3591-150A	125-150mm/5-6"	±6µm	192	94.5
3591-175A	150-175mm/6-7"	±7µm	217	107



BALL TIPS DIAMETER SØD CAN BE CUSTOMIZED WITH SIZES BETWEEN 1.50-6.00MM

- Supplied in pair
- Suitable for 3291, 3591 series micrometers

Code	Ball dia. (D)	Code	Ball dia. (D)
7391-T2	SØ1.5mm	7391-T6	SØ3.5mm
7391-T3	SØ2.0mm	7391-T7	SØ4.0mm
7391-T4	SØ2.5mm	7391-T8	SØ4.5mm
7391-T5	SØ3.0mm	7391-T9	SØ5.0mm
		7391-T10	SØ6.0mm



7391-T5



POINT MICROMETERS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

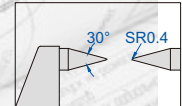
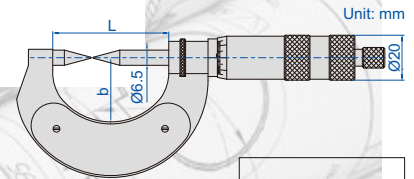
INSPECTION CERTIFICATE

Code	Range	Accuracy	L	b
3659-25A*	0-25mm	4µm	62	34
3659-50A*	25-50mm	4µm	87	46
3659-75A*	50-75mm	5µm	112	60
3659-100A*	75-100mm	5µm	139	72
3659-125A*	100-125mm	6µm	164	85
3659-150A*	125-150mm	6µm	190	97
3659-175A*	150-175mm	7µm	215	110
3659-200A*	175-200mm	7µm	240	122
3659-225A*	200-225mm	8µm	264	135
3659-250A*	225-250mm	8µm	290	148

* Supplied with manufacturer inspection certificate



3659-25A



- Measure the web thickness of drills, small grooves and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide tips
- Optional accessory: setting standards (code 7386)

6

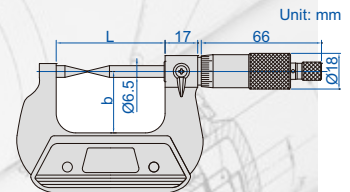
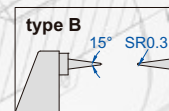
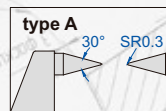
POINT MICROMETERS

- Measure the web thickness of drills, small grooves and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)

Code	Range	Type	Accuracy	L	b
3230-25A	0-25mm	A	4µm	57	32
3230-50A	25-50mm	A	4µm	82	44.5
3230-75A	50-75mm	A	5µm	107	57
3230-100A	75-100mm	A	5µm	132.6	69.5
3230-25BA	0-25mm	B	4µm	57	32
3230-50BA	25-50mm	B	4µm	82	44.5
3230-75BA	50-75mm	B	5µm	107	57
3230-100BA	75-100mm	B	5µm	132.6	69.5



3230-25A



DIGITAL POINT MICROMETERS

- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

DATA OUTPUT

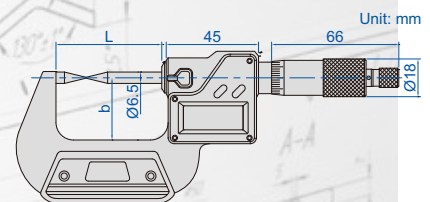
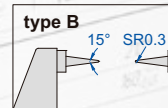
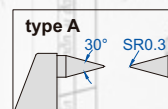
IP65 WATERPROOF



3530-25A

(mm)

Code	Range	Type	Accuracy	L	b
3530-25A	0-25mm/0-1"	A	±4µm	57	32
3530-50A	25-50mm/1-2"	A	±4µm	82	44.5
3530-75A	50-75mm/2-3"	A	±5µm	107	57
3530-100A	75-100mm/3-4"	A	±5µm	132.6	69.5
3530-25BA	0-25mm/0-1"	B	±4µm	57	32
3530-50BA	25-50mm/1-2"	B	±4µm	82	44.5
3530-75BA	50-75mm/2-3"	B	±5µm	107	57
3530-100BA	75-100mm/3-4"	B	±5µm	132.6	69.5



HIGH PRECISION DIGITAL POINT MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

NON-ROTATING SPINDLE

DATA OUTPUT

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

IP65 WATERPROOF

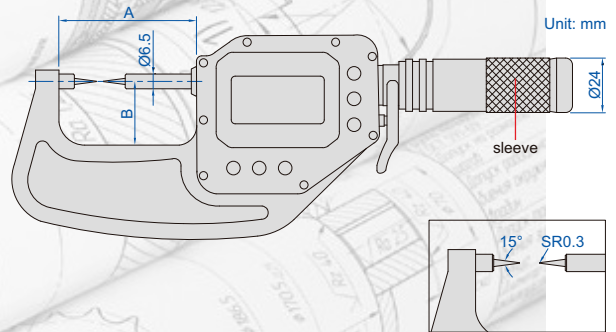
INSPECTION CERTIFICATE



VIDEO

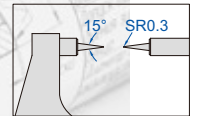


3354-25



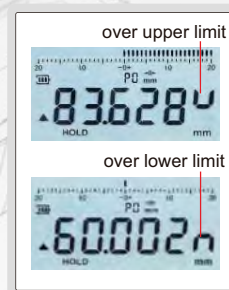
Unit: mm

sleeve



- Measure the web thickness of drills, small grooves and keyways
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001" / 0.001mm/0.00005" / 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working

alarm when over tolerance



wireless receiver 2134-R1, 2134-R2 (optional)



With data interface

Optional accessory:
wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

Code	Range	Accuracy	Repeatability	A	B
3354-25 *	0-25mm/0-1"	2µm	1µm	63mm	25mm
3354-50 *	25-50mm/1-2"	2µm	1µm	88mm	42mm
3354-75 *	50-75mm/2-3"	2µm	1µm	113mm	56mm

Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1
wireless receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

Code	Range	Accuracy	Repeatability	A	B
3354-25WL *	0-25mm/0-1"	2µm	1µm	63mm	25mm
3354-50WL *	25-50mm/1-2"	2µm	1µm	88mm	42mm
3354-75WL *	50-75mm/2-3"	2µm	1µm	113mm	56mm

* Supplied with manufacturer inspection certificate

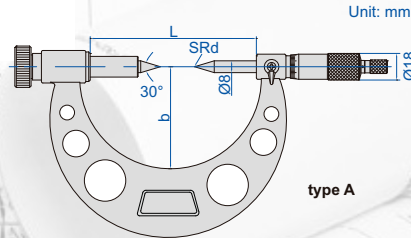
GEAR ROOT DIAMETER MICROMETERS



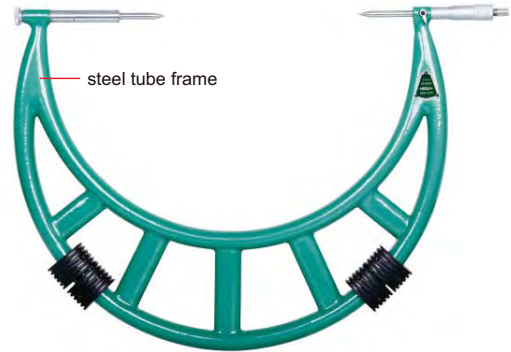
cast iron frame

3297-100

- Measure diameter of gear root circle
- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards

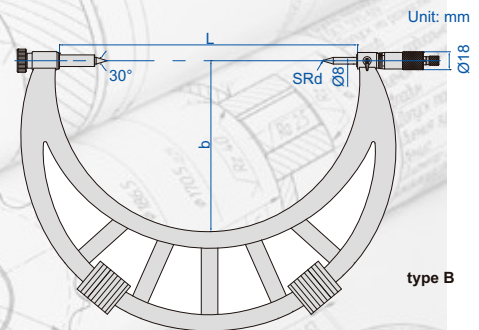


type A



steel tube frame

3297-300



type B

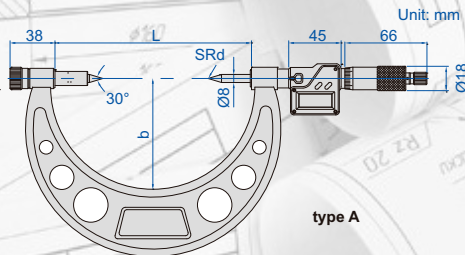
Code	Range	Type	Accuracy	L	b	SRd
3297-100	5-100mm	A	5µm	137	72	0.4
3297-200	100-200mm	A	7µm	237	129	0.5
3297-300	200-300mm	B	9µm	414	225	0.7
3297-400	300-400mm	B	11µm	514	275	0.7
3297-500	400-500mm	B	13µm	614	325	0.7
3297-600	500-600mm	B	15µm	714	375	0.7
3297-700	600-700mm	B	16µm	814	425	0.7
3297-800	700-800mm	B	18µm	914	475	0.7
3297-900	800-900mm	B	20µm	1014	525	0.7

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DIGITAL GEAR ROOT DIAMETER MICROMETERS

IP65
WATERPROOF

DATA
OUTPUT



type A

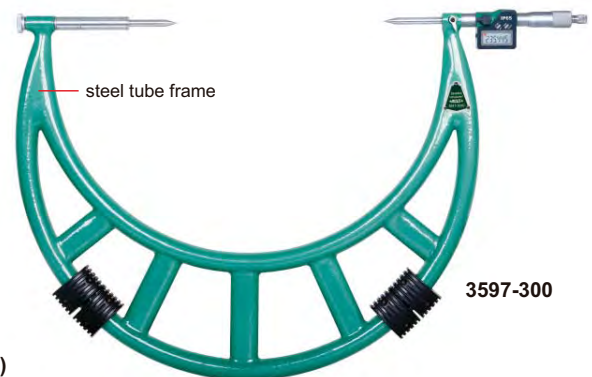
- Measure diameter of gear root circle
- Resolution 0.001mm/0.0001" (resolution of 3597-100 and 3597-200 is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

Code	Range	Type	Accuracy	L	b	SRd
3597-100	5-100mm	A	3µm	137	72	0.4
3597-200	100-200mm	A	4µm	237	129	0.5
3597-300	200-300mm	B	5µm	414	225	0.7
3597-400	300-400mm	B	6µm	514	275	0.7
3597-500	400-500mm	B	7µm	614	325	0.7
3597-600	500-600mm	B	8µm	714	375	0.7
3597-700	600-700mm	B	8µm	814	425	0.7
3597-800	700-800mm	B	9µm	914	475	0.7
3597-900	800-900mm	B	10µm	1014	525	0.7



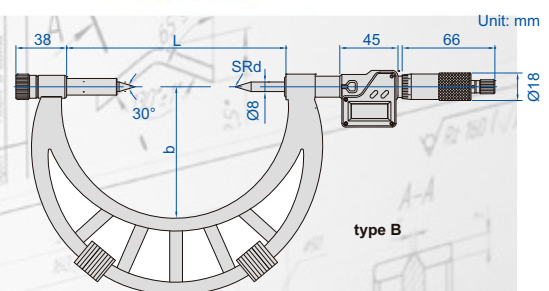
cast iron frame

3597-100



steel tube frame

3597-300



type B

**INSPECTION
CERTIFICATE**

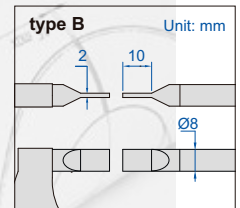
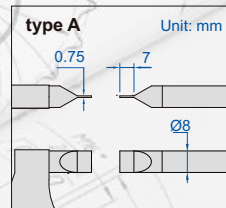
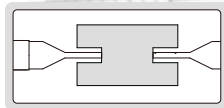
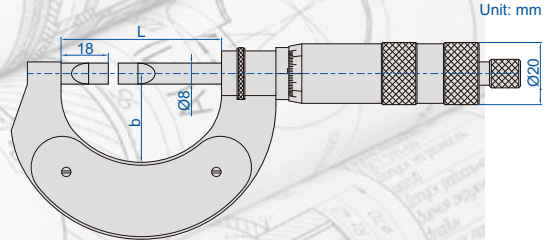
**ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED**

BLADE MICROMETERS

**INSIZE PLUS
MADE IN EUROPE**



3650-25A



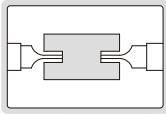
- Meet DIN863-3
- Graduation 0.01mm
- Force: 5-10N
- Optional accessory: setting standards (code 7386)

Code	Range	Type	Accuracy	L	b
3650-25A*	0-25mm	A	4µm	62	34
3650-50A*	25-50mm	A	4µm	87	46
3650-75A*	50-75mm	B	5µm	112	60
3650-100A*	75-100mm	B	5µm	139	72
3650-125A*	100-125mm	B	6µm	164	85
3650-150A*	125-150mm	B	6µm	190	97
3650-175A*	150-175mm	B	7µm	215	110
3650-200A*	175-200mm	B	7µm	240	122
3650-225A*	200-225mm	B	8µm	264	135
3650-250A*	225-250mm	B	8µm	290	148
3650-275A*	250-275mm	B	9µm	315	160
3650-300A*	275-300mm	B	9µm	340	174

*Supplied with manufacturer inspection certificate

BLADE MICROMETERS

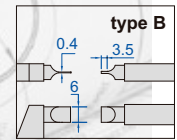
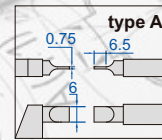
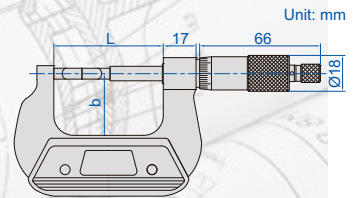
NON-ROTATING SPINDLE



- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3232-25A



6

Type A		(mm)		
Code	Range	Accuracy	L	b
3232-25A	0-25mm	4µm	57	32
3232-50A	25-50mm	4µm	82	44.5
3232-75A	50-75mm	5µm	107	57
3232-100A	75-100mm	5µm	132.6	69.5
3232-125A	100-125mm	6µm	158	82
3232-150A	125-150mm	6µm	183.4	94.5
3232-175A	150-175mm	7µm	208.8	107
3232-200A	175-200mm	7µm	234.2	129.6
3232-225A	200-225mm	8µm	259.6	142.3
3232-250A	225-250mm	8µm	285	155
3232-275A	250-275mm	9µm	310.4	167.7
3232-300A	275-300mm	9µm	336.5	177.8

Type B		(mm)		
Code	Range	Accuracy	L	b
3232-25BA	0-25mm	4µm	57	32
3232-50BA	25-50mm	4µm	82	44.5
3232-75BA	50-75mm	5µm	107	57
3232-100BA	75-100mm	5µm	132.6	69.5
3232-125BA	100-125mm	6µm	158	82
3232-150BA	125-150mm	6µm	183.4	94.5
3232-175BA	150-175mm	7µm	208.8	107
3232-200BA	175-200mm	7µm	234.2	129.6
3232-225BA	200-225mm	8µm	259.6	142.3
3232-250BA	225-250mm	8µm	285	155
3232-275BA	250-275mm	9µm	310.4	167.7
3232-300BA	275-300mm	9µm	336.5	177.8

DIGITAL BLADE MICROMETERS

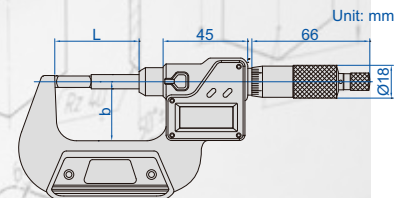
DATA OUTPUT

NON-ROTATING SPINDLE

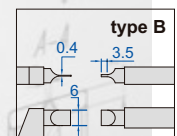
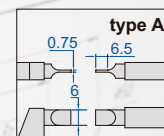
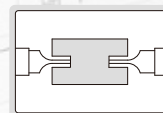
- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3532-25A



Code	Range	Type	Accuracy	L	b
3532-25A	0-25mm/0-1"	A	±4µm	57	32
3532-50A	25-50mm/1-2"	A	±4µm	82	44.5
3532-75A	50-75mm/2-3"	A	±5µm	107	57
3532-100A	75-100mm/3-4"	A	±5µm	132.6	69.5
3532-125A	100-125mm/4-5"	A	±6µm	158	82
3532-150A	125-150mm/5-6"	A	±6µm	183.4	94.5
3532-175A	150-175mm/6-7"	A	±7µm	208.8	107
3532-25BA	0-25mm/0-1"	B	±4µm	57	32
3532-50BA	25-50mm/1-2"	B	±4µm	82	44.5
3532-75BA	50-75mm/2-3"	B	±5µm	107	57
3532-100BA	75-100mm/3-4"	B	±5µm	132.6	69.5
3532-125BA	100-125mm/4-5"	B	±6µm	158	82
3532-150BA	125-150mm/5-6"	B	±6µm	183.4	94.5
3532-175BA	150-175mm/6-7"	B	±7µm	208.8	107



ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

HIGH PRECISION DIGITAL BLADE MICROMETERS/SNAP GAGES

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

IP65 WATERPROOF

DATA OUTPUT

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

NON-ROTATING SPINDLE

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

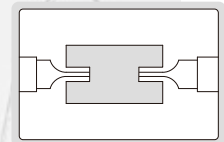
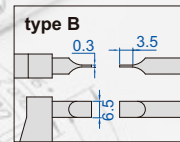
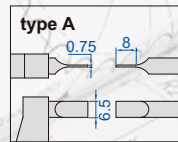
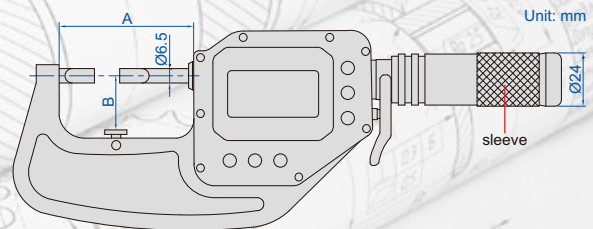


INSPECTION CERTIFICATE VIDEO



3352-25A

- Measure the groove diameter of shafts and keyways
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001" 0.001mm/0.00005" 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working

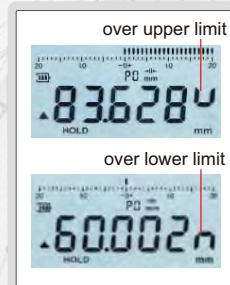


With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

Code	Range	Type	Accuracy	Repeatability	A	B
3352-25A*	0-25mm/0-1"	A	2µm	1µm	63mm	25mm
3352-50A*	25-50mm/1-2"	A	2µm	1µm	88mm	42mm
3352-75A*	50-75mm/2-3"	A	2µm	1µm	113mm	56mm
3352-25B*	0-25mm/0-1"	B	2µm	1µm	63mm	25mm
3352-50B*	25-50mm/1-2"	B	2µm	1µm	88mm	42mm
3352-75B*	50-75mm/2-3"	B	2µm	1µm	113mm	56mm

alarm when over tolerance



Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Type	Accuracy	Repeatability	A	B
3352-25AWL*	0-25mm/0-1"	A	2µm	1µm	63mm	25mm
3352-50AWL*	25-50mm/1-2"	A	2µm	1µm	88mm	42mm
3352-75AWL*	50-75mm/2-3"	A	2µm	1µm	113mm	56mm
3352-25BWL*	0-25mm/0-1"	B	2µm	1µm	63mm	25mm
3352-50BWL*	25-50mm/1-2"	B	2µm	1µm	88mm	42mm
3352-75BWL*	50-75mm/2-3"	B	2µm	1µm	113mm	56mm

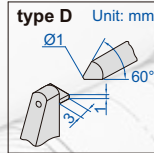
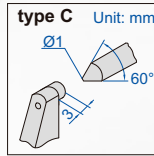
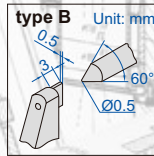
wireless receiver 2134-R1, 2134-R2 (optional)



*Supplied with manufacturer inspection certificate

CRIMP HEIGHT MICROMETERS

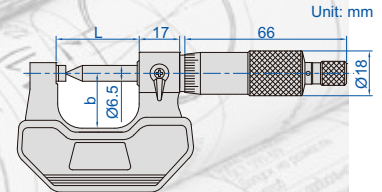
- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)



3266-25BA



Code	Range	Type	Accuracy	L	b
3266-25BA	0-25mm	B	4µm	34	24
3266-25CA	0-25mm	C	4µm	34	24
3266-50CA	25-50mm	C	4µm	59	32
3266-75CA	50-75mm	C	5µm	85	45
3266-100CA	75-100mm	C	5µm	110	57
3266-25DA	0-25mm	D	4µm	34	24

6

DIGITAL CRIMP HEIGHT MICROMETERS

RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)

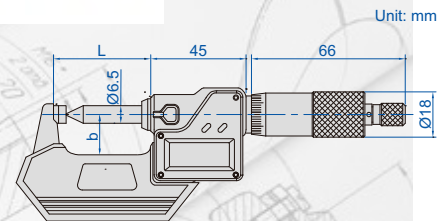
DATA OUTPUT

IP65 WATERPROOF

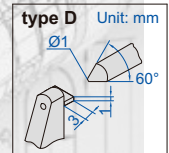
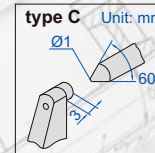
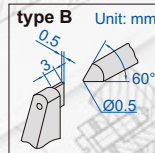
- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3566-25BA



Code	Range	Type	Accuracy	L	b
3566-25BA	0-25mm/0-1"	B	±4µm	34.5	25
3566-25CA	0-25mm/0-1"	C	±4µm	34.5	25
3566-50CA	25-50mm/0-1"	C	±4µm	59.5	32
3566-75CA	50-75mm/0-1"	C	±5µm	84.5	44.5
3566-100CA	75-100mm/0-1"	C	±5µm	109.5	57
3566-25DA	0-25mm/0-1"	D	±4µm	34.5	25



SPLINE MICROMETERS

INSIZE PLUS
MADE IN EUROPE

Code	Range	Accuracy	L	b
3658-25 *	0-25mm	4µm	62	34
3658-50 *	25-50mm	4µm	87	46
3658-75 *	50-75mm	5µm	112	60
3658-100 *	75-100mm	5µm	139	72
3658-125 *	100-125mm	6µm	164	85
3658-150 *	125-150mm	6µm	190	97
3658-175 *	150-175mm	7µm	215	110
3658-200 *	175-200mm	7µm	240	122
3658-225 *	200-225mm	8µm	264	135
3658-250 *	225-250mm	8µm	290	148

*Supplied with manufacturer inspection certificate

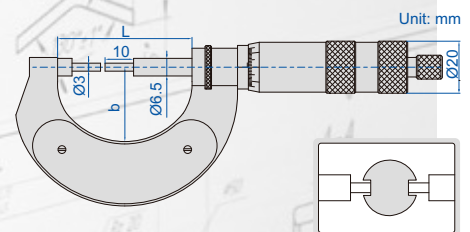


3658-25

INSPECTION CERTIFICATE

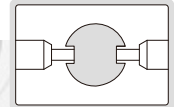
ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)



SPLINE MICROMETERS

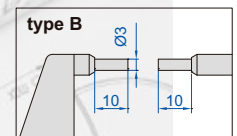
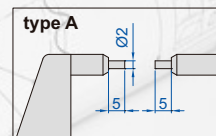
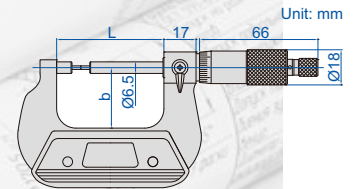
- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



(mm)

3233-25BA

Code	Range	Type	Accuracy	L	b
3233-25A	0-25mm	A	4μm	57	32
3233-50A	25-50mm	A	4μm	82	44.5
3233-75A	50-75mm	A	5μm	107	57
3233-100A	75-100mm	A	5μm	132.6	69.5
3233-125A	100-125mm	A	6μm	158	82
3233-150A	125-150mm	A	6μm	183.4	94.5
3233-175A	150-175mm	A	7μm	208.8	107
3233-25BA	0-25mm	B	4μm	57	32
3233-50BA	25-50mm	B	4μm	82	44.5
3233-75BA	50-75mm	B	5μm	107	57
3233-100BA	75-100mm	B	5μm	132.6	69.5
3233-125BA	100-125mm	B	6μm	158	82
3233-150BA	125-150mm	B	6μm	183.4	94.5
3233-175BA	150-175mm	B	7μm	208.8	107

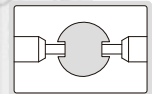


IP65
WATERPROOF

DATA
OUTPUT

DIGITAL SPLINE MICROMETERS

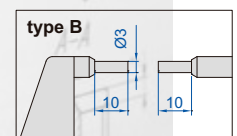
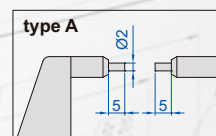
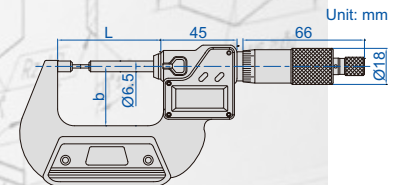
- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3533-25BA

(mm)

Code	Range	Type	Accuracy	L	b
3533-25A	0-25mm/0-1"	A	±4μm	57	32
3533-50A	25-50mm/1-2"	A	±4μm	82	44.5
3533-75A	50-75mm/2-3"	A	±5μm	107	57
3533-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3533-125A	100-125mm/4-5"	A	±6μm	158	82
3533-150A	125-150mm/5-6"	A	±6μm	183.4	94.5
3533-175A	150-175mm/6-7"	A	±7μm	208.8	107
3533-25BA	0-25mm/0-1"	B	±4μm	57	32
3533-50BA	25-50mm/1-2"	B	±4μm	82	44.5
3533-75BA	50-75mm/2-3"	B	±5μm	107	57
3533-100BA	75-100mm/3-4"	B	±5μm	132.6	69.5
3533-125BA	100-125mm/4-5"	B	±6μm	158	82
3533-150BA	125-150mm/5-6"	B	±6μm	183.4	94.5
3533-175BA	150-175mm/6-7"	B	±7μm	208.8	107



HIGH PRECISION DIGITAL SPLINE MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

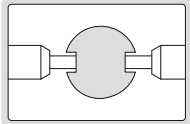
NON-ROTATING SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

IP65 WATERPROOF

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

DATA OUTPUT



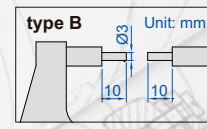
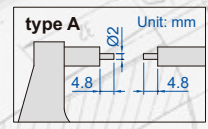
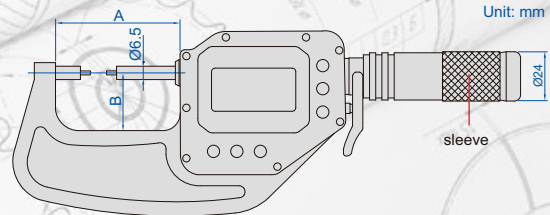
VIDEO



6

- Measure splined shafts, slots and keyways
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001" 0.001mm/0.00005" 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working

3356-25

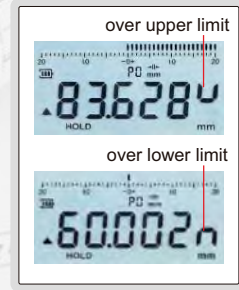


With data interface

Optional accessory:
wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

Code	Range	Accuracy	Type	Repeatability	A	B
3356-25 *	0-25mm/0-1"	2µm	A	1µm	63mm	25mm
3356-50 *	25-50mm/1-2"	2µm	A	1µm	88mm	42mm
3356-75 *	50-75mm/2-3"	2µm	A	1µm	113mm	56mm
3356-25B *	0-25mm/0-1"	2µm	B	1µm	63mm	25mm
3356-50B *	25-50mm/1-2"	2µm	B	1µm	88mm	42mm
3356-75B *	50-75mm/2-3"	2µm	B	1µm	113mm	56mm

alarm when over tolerance



Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1
wireless receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

Code	Range	Accuracy	Type	Repeatability	A	B
3356-25WL *	0-25mm/0-1"	2µm	A	1µm	63mm	25mm
3356-50WL *	25-50mm/1-2"	2µm	A	1µm	88mm	42mm
3356-75WL *	50-75mm/2-3"	2µm	A	1µm	113mm	56mm
3356-25BWL *	0-25mm/0-1"	2µm	B	1µm	63mm	25mm
3356-50BWL *	25-50mm/1-2"	2µm	B	1µm	88mm	42mm
3356-75BWL *	50-75mm/2-3"	2µm	B	1µm	113mm	56mm

wireless receiver 2134-R1, 2134-R2 (optional)



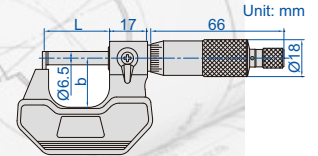
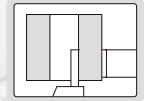
* Supplied with manufacturer inspection certificate

CYLINDRICAL ANVIL TUBE MICROMETERS

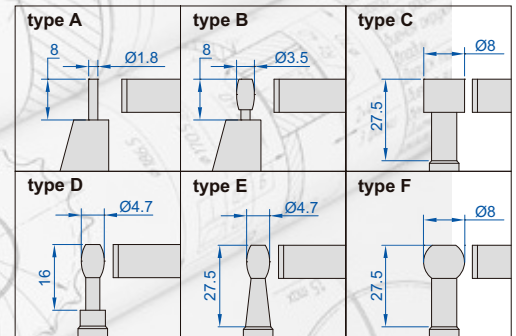
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm)



3261-25A



Code	Range	Type	Accuracy	L	b
3261-25A	0-25mm	A	6µm	36	25
3261-50A	25-50mm	A	6µm	61	32
3261-25BA	0-25mm	B	6µm	36	25
3261-50BA	25-50mm	B	6µm	61	32
3261-25CA	0-25mm	C	6µm	36	25
3261-50CA	25-50mm	C	6µm	61	32
3261-25DA	0-25mm	D	6µm	36	25
3261-50DA	25-50mm	D	6µm	61	32
3261-25EA	0-25mm	E	6µm	36	25
3261-50EA	25-50mm	E	6µm	61	32
3261-25FA	0-25mm	F	6µm	36	25
3261-50FA	25-50mm	F	6µm	61	32



IP65
WATERPROOF

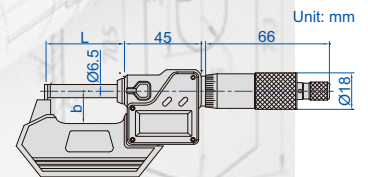
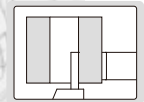
DATA
OUTPUT

DIGITAL CYLINDRICAL ANVIL TUBE MICROMETERS

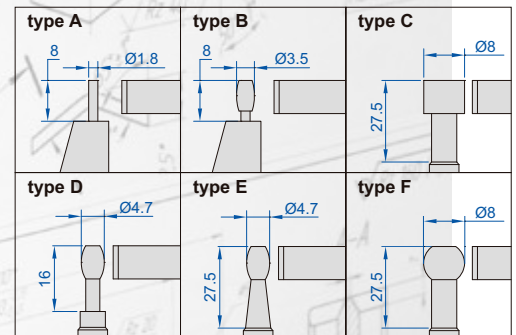
- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3561-25A



Code	Range	Type	Accuracy	L	b
3561-25A	0-25mm/0-1"	A	±6µm	36	25
3561-50A	25-50mm/1-2"	A	±6µm	61	32
3561-25BA	0-25mm/0-1"	B	±6µm	36	25
3561-50BA	25-50mm/1-2"	B	±6µm	61	32
3561-25CA	0-25mm/0-1"	C	±6µm	36	25
3561-50CA	25-50mm/1-2"	C	±6µm	61	32
3561-25DA	0-25mm/0-1"	D	±6µm	36	25
3561-50DA	25-50mm/1-2"	D	±6µm	61	32
3561-25EA	0-25mm/0-1"	E	±6µm	36	25
3561-50EA	25-50mm/1-2"	E	±6µm	61	32
3561-25FA	0-25mm/0-1"	F	±6µm	36	25
3561-50FA	25-50mm/1-2"	F	±6µm	61	32



SPHERICAL ANVIL TUBE MICROMETERS

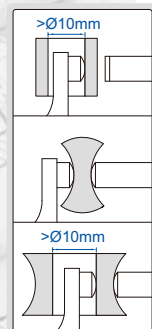
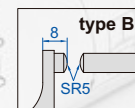
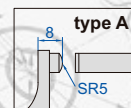
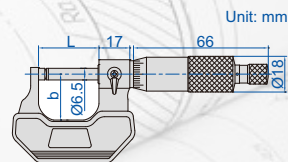
- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3260-25A

Code	Range	Type	Accuracy	L	b
3260-25A	0-25mm	A	4μm	32	24
3260-50A	25-50mm	A	4μm	57	32
3260-75A	50-75mm	A	5μm	82	44.5
3260-100A	75-100mm	A	5μm	107	57
3260-25SA	0-25mm	B	4μm	32	24
3260-50SA	25-50mm	B	4μm	57	32
3260-75SA	50-75mm	B	5μm	82	44.5
3260-100SA	75-100mm	B	5μm	107	57

(mm)



DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

IP65
WATERPROOF

DATA
OUTPUT

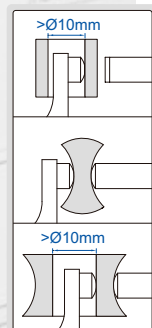
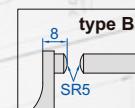
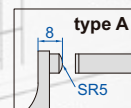
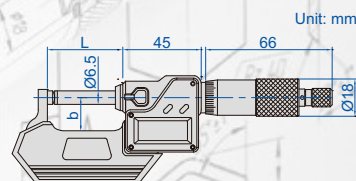
- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3560-25A

Code	Range	Type	Accuracy	L	b
3560-25A	0-25mm/0-1"	A	±4μm	32	24
3560-50A	25-50mm/1-2"	A	±4μm	57	32
3560-75A	50-75mm/2-3"	A	±5μm	82	44.5
3560-100A	75-100mm/3-4"	A	±5μm	107	57
3560-25SA	0-25mm/0-1"	B	±4μm	32	24
3560-50SA	25-50mm/1-2"	B	±4μm	57	32
3560-75SA	50-75mm/2-3"	B	±5μm	82	44.5
3560-100SA	75-100mm/3-4"	B	±5μm	107	57

(mm)



HIGH PRECISION DIGITAL SPHERICAL ANVIL TUBE MICROMETERS/SNAP GAGES

IP65
WATERPROOF

NON-ROTATING
SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

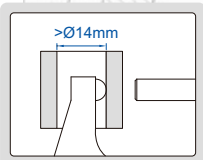
ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED,
PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

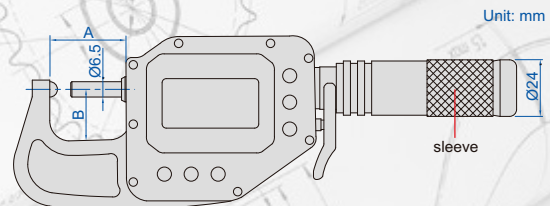
INSPECTION
CERTIFICATE

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

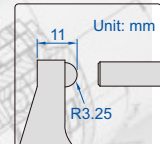
DATA
OUTPUT



3355-25



Unit: mm



Unit: mm

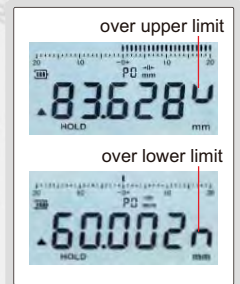
alarm when
over tolerance

- Measure wall thickness of tubes
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
Customizable measuring force range 2-12N
Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working

With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

Code	Range	Accuracy	Repeatability	A	B
3355-25 *	0-25mm/0-1"	2µm	1µm	38mm	24mm
3355-50 *	25-50mm/1-2"	2µm	1µm	63mm	25mm
3355-75 *	50-75mm/2-3"	2µm	1µm	88mm	42mm
3355-100 *	75-100mm/3-3.95"	2µm	1µm	113mm	56mm



Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	A	B
3355-25WL *	0-25mm/0-1"	2µm	1µm	38mm	24mm
3355-50WL *	25-50mm/1-2"	2µm	1µm	63mm	25mm
3355-75WL *	50-75mm/2-3"	2µm	1µm	88mm	42mm
3355-100WL *	75-100mm/3-3.95"	2µm	1µm	113mm	56mm

wireless receiver
2134-R1, 2134-R2 (optional)

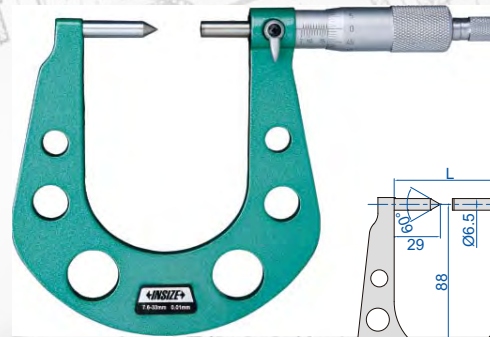


* Supplied with manufacturer inspection certificate

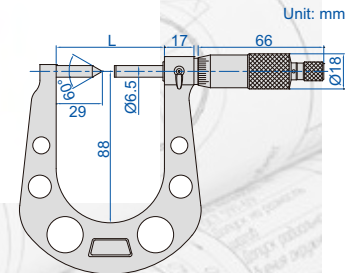
DISK BRAKE MICROMETERS

RELATIVE PRODUCT: DIGITAL DISK BRAKE AND PAD CALIPER
DIGITAL DRUM BRAKE CALIPER (CODE 1162-125A, 1167-150A, 1168-300A)

- Measure thickness of disk brakes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



3288-33A



Code	Range	Accuracy	L
3288-33A	7.6-33mm	5µm	64.5mm
3288-50A	25-50mm	5µm	82mm

6

DIGITAL DISK BRAKE MICROMETERS

RELATIVE PRODUCT: DIGITAL DISK BRAKE AND PAD CALIPER
DIGITAL DRUM BRAKE CALIPER (CODE 1162-125A, 1167-150A, 1168-300A)

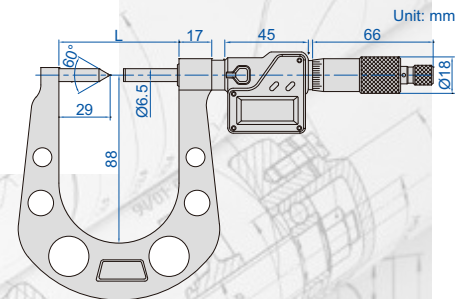
- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3588-33A

IP65
WATERPROOF

DATA
OUTPUT



Code	Range	Accuracy	L
3588-33A	7.6-33mm/0.3-1.3"	±5µm	64.5mm
3588-50A	25-50mm/1-2"	±5µm	82mm

SHEET METAL MICROMETERS

INSIZE PLUS
MADE IN EUROPE

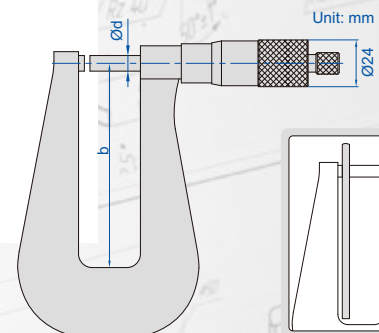
- Deep frame suitable for sheet metal, paper and plastic
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)

Code	Range	Accuracy	(mm)	
			b	Ød
3653-251A	0-25mm	4µm	50	6.5
3653-252A	0-25mm	5µm	100	8
3653-253A	0-25mm	6µm	150	6.5
3653-254A	0-25mm	8µm	250	6.5
3653-501A	25-50mm	4µm	50	8
3653-502A	0-50mm	4µm	50	8
3653-503A	0-50mm	5µm	100	8
3653-100A	50-100mm	5µm	100	8



3653-252A

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

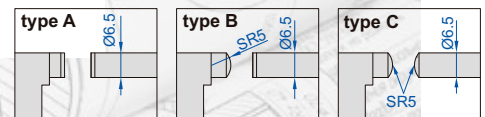
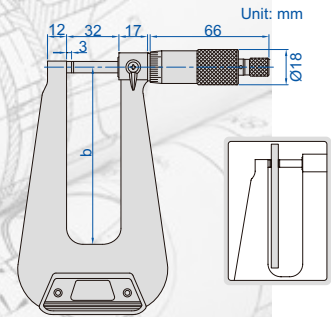


SHEET METAL MICROMETERS

- Deep frame suitable for sheet metal, paper and plastic
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3239-253



Code	Range	Type	Accuracy	b
3239-253	0-25mm	A	7µm	155mm
3239-253F	0-25mm	B	7µm	155mm
3239-254F	0-25mm	B	10µm	310mm
3239-253S	0-25mm	C	7µm	155mm

DATA
OUTPUT

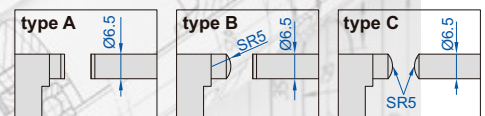
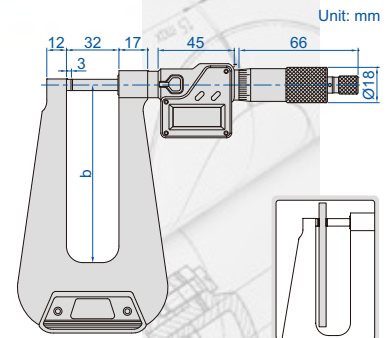
IP65
WATERPROOF

DIGITAL SHEET METAL MICROMETERS

- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3539-253A



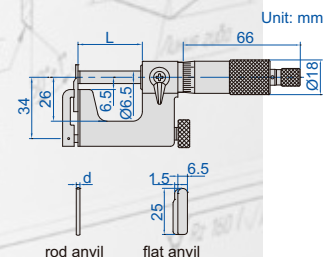
Code	Range	Type	Accuracy	b
3539-253A	0-25mm/0-1"	A	±7µm	155mm
3539-253FA	0-25mm/0-1"	B	±7µm	155mm
3539-254FA	0-25mm/0-1"	B	±10µm	310mm
3539-253SA	0-25mm/0-1"	C	±7µm	155mm

INTERCHANGEABLE ANVIL MICROMETERS

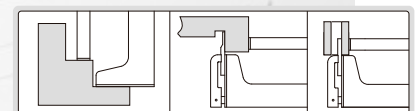
- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- Supplied with flat anvil and rod anvil
- Graduation 0.01mm
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm)



3262-25A



rod anvil flat anvil



Code	Range	Accuracy	L	d
3262-25A	0-25mm	4µm	28.5mm	Ø3mm
3262-50A	25-50mm	4µm	53.5mm	Ø5mm

DIGITAL INTERCHANGEABLE ANVIL MICROMETERS

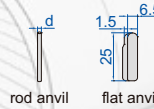
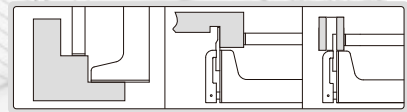
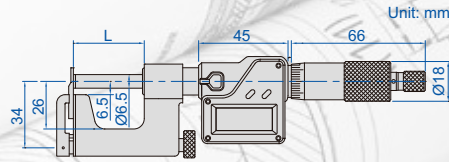
IP65
WATERPROOF

DATA
OUTPUT

- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- Supplied with flat anvil and rod anvil
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



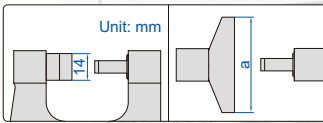
3562-25A



6

Code	Range	Accuracy	L	d
3562-25A	0-25mm/0-1"	±4µm	28.5mm	Ø3mm
3562-50A	25-50mm/1-2"	±4µm	53.5mm	Ø5mm

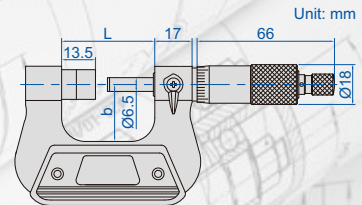
LARGE ANVIL MICROMETERS



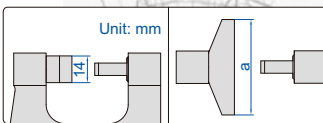
3234-25A

- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

Code	Range	Accuracy	L	a	b
3234-25A	0-25mm	4µm	42mm	50mm	26mm
3234-50A	25-50mm	4µm	67mm	60mm	38mm



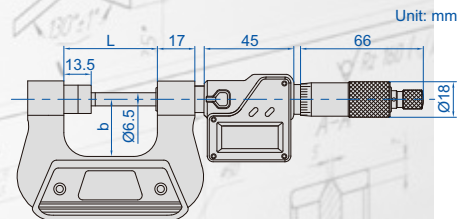
DIGITAL LARGE ANVIL MICROMETERS



3534-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

Code	Range	Accuracy	L	a	b
3534-25A	0-25mm/0-1"	±4µm	42mm	50mm	26mm
3534-50A	25-50mm/1-2"	±4µm	67mm	60mm	38mm



DATA
OUTPUT

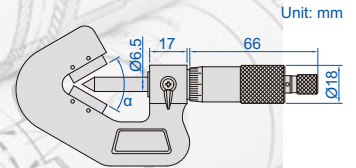
IP65
WATERPROOF

V-ANVIL MICROMETERS

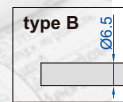
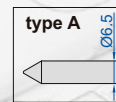


3290-153A

- Measure the diameter of parts or cutting tools with odd grooves, such as taps, reamers and end mills
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



Unit: mm



Code	Range	Flutes	Accuracy	α	Type
3290-153A	1-15mm	3	4 μ m	60°	A
3290-203A	5-20mm	3	4 μ m	60°	B
3290-353A	20-35mm	3	5 μ m	60°	B
3290-503A	35-50mm	3	5 μ m	60°	B
3290-653A	50-65mm	3	6 μ m	60°	B
3290-803A	65-80mm	3	6 μ m	60°	B
3290-953A	80-95mm	3	7 μ m	60°	B
3290-255A	5-25mm	5	4 μ m	108°	B

Code	Range	Flutes	Accuracy	α	Type
3290-455A	25-45mm	5	5 μ m	108°	B
3290-655A	45-65mm	5	6 μ m	108°	B
3290-855A	65-85mm	5	7 μ m	108°	B
3290-1055A	85-105mm	5	8 μ m	108°	B
3290-257A	5-25mm	7	4 μ m	128°34'17"	B
3290-457A	25-45mm	7	5 μ m	128°34'17"	B
3290-657A	45-65mm	7	6 μ m	128°34'17"	B
3290-857A	65-85mm	7	7 μ m	128°34'17"	B

IP65
WATERPROOF

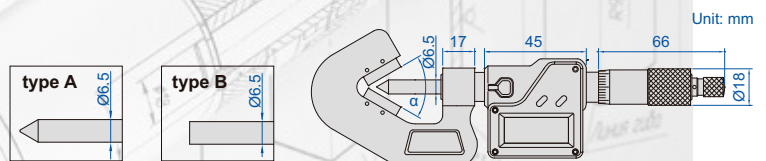
DATA
OUTPUT

DIGITAL V-ANVIL MICROMETERS

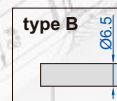
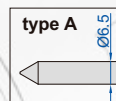


3590-153A

- Measure the diameter of parts or cutting tools with odd grooves, such as taps, reamers and end mills
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



Unit: mm



Code	Range	Flutes	Accuracy	α	Type
3590-153A	1-15mm/0.04-0.6"	3	±4 μ m	60°	A
3590-203A	5-20mm/0.2-0.8"	3	±4 μ m	60°	B
3590-353A	20-35mm/0.8-1.4"	3	±5 μ m	60°	B
3590-503A	35-50mm/1.4-2.0"	3	±5 μ m	60°	B
3590-653A	50-65mm/2.0-2.6"	3	±6 μ m	60°	B
3590-803A	65-80mm/2.6-3.2"	3	±6 μ m	60°	B
3590-953A	80-95mm/3.2-3.6"	3	±6 μ m	60°	B
3590-255A	5-25mm/0.2-1.0"	5	±4 μ m	108°	B

Code	Range	Flutes	Accuracy	α	Type
3590-455A	25-45mm/1.0-1.8"	5	±5 μ m	108°	B
3590-655A	45-65mm/1.8-2.6"	5	±6 μ m	108°	B
3590-855A	65-85mm/2.6-3.4"	5	±6 μ m	108°	B
3590-1055A	85-105mm/3.4-4.2"	5	±6 μ m	108°	B
3590-257A	5-25mm/0.2-1.0"	7	±4 μ m	128°34'17"	B
3590-457A	25-45mm/1.0-1.8"	7	±4 μ m	128°34'17"	B
3590-657A	45-65mm/1.8-2.6"	7	±5 μ m	128°34'17"	B
3590-857A	65-85mm/2.6-3.4"	7	±5 μ m	128°34'17"	B

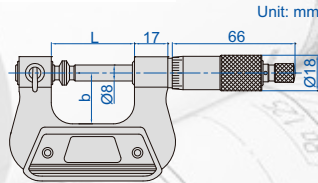
NON-ROTATING SPINDLE UNIVERSAL MICROMETERS

NON-ROTATING SPINDLE



3280-25A

- Meet DIN863-3
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip
- Setting standards are included (except 0-25mm)
- Optional accessory: 55° anvil/spindle tip (code **3280-SP1** and **3280-SP2**)



Anvil/spindle tip (included)	Unit: mm
Flat	
Spherical	
Spline	
Disk	
Blade	
Knife-edge	
Point	

55° anvil/spindle tip (optional)	Unit: mm
Code 3280-SP1 Knife-edge	
Code 3280-SP2 Point	

Code	Range	Accuracy	L	b
3280-25A	0-25mm	4µm	42mm	26mm
3280-50A	25-50mm	4µm	67mm	38mm
3280-75A	50-75mm	5µm	92mm	50mm
3280-100A	75-100mm	5µm	118mm	62mm
3280-125A	100-125mm	6µm	143mm	70mm
3280-150A	125-150mm	6µm	168mm	82mm
3280-175A	150-175mm	7µm	192mm	95mm
3280-200A	175-200mm	7µm	217mm	107mm

DIGITAL UNIVERSAL MICROMETERS

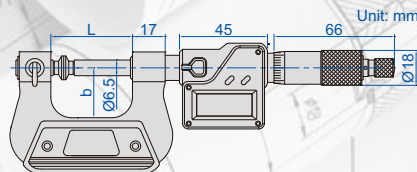
DATA OUTPUT

NON-ROTATING SPINDLE



3580-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: 55° anvil/spindle tip code **3280-SP1** and **3280-SP2**, data output cable (code **7315-31** need receiver page 4, **7302-31** page 12)

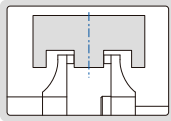


Code	Range	Accuracy	L	b
3580-25A	0-25mm/0-1"	±4µm	42	26
3580-50A	25-50mm/1-2"	±4µm	67	38
3580-75A	50-75mm/2-3"	±5µm	92	50
3580-100A	75-100mm/3-4"	±5µm	118	62
3580-125A	100-125mm/4-5"	±6µm	143	70
3580-150A	125-150mm/5-6"	±6µm	168	82
3580-175A	150-175mm/6-7"	±7µm	192	95
3580-200A	175-200mm/7-8"	±7µm	217	107

Anvil/spindle tip (included)	Unit: mm
Flat	
Spherical	
Spline	
Disk	
Blade	
Knife-edge	
Point	

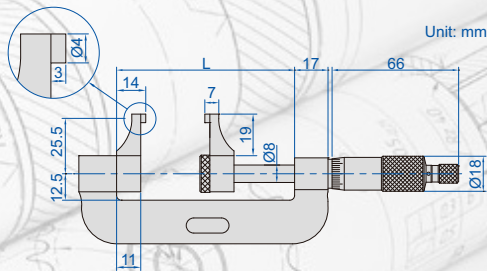
55° anvil/spindle tip (optional)	Unit: mm
Code 3280-SP1 Knife-edge	
Code 3280-SP2 Point	

CALIPER TYPE MICROMETERS



3238-25

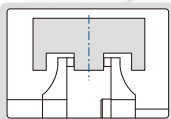
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



Unit: mm

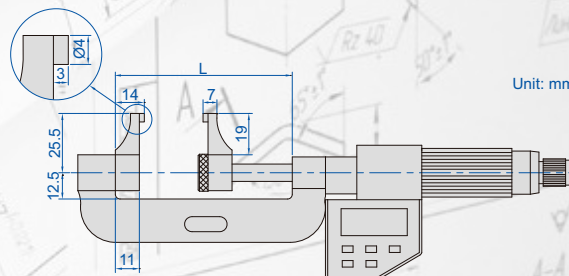
Code	Range	Accuracy	L
3238-25	0-25mm	10µm	56mm
3238-50	25-50mm	10µm	81mm
3238-75	50-75mm	11µm	106mm
3238-100	75-100mm	11µm	131mm

DIGITAL CALIPER TYPE MICROMETERS



3538-25

- Resolution: 0.001mm/0.00005"
- Non-rotating spindle
- Buttons: on/off, data set, mm/in, ABS/INC
- Data output
- Automatic power off
- Ratchet friction thimble
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")



Unit: mm

Code	Range	Accuracy	L
3538-25	0-25mm/0-1"	±10µm	56mm
3538-50	25-50mm/1-2"	±10µm	81mm
3538-75	50-75mm/2-3"	±11µm	106mm
3538-100	75-100mm/3-4"	±11µm	131mm

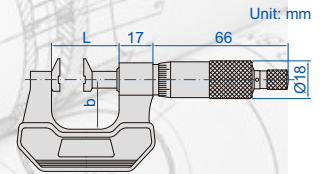
JAW TYPE MICROMETERS

NON-ROTATING SPINDLE

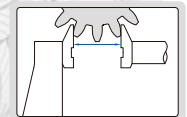
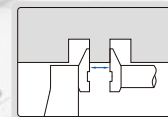
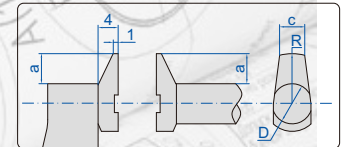
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3283-25A



Code	Range	Accuracy	L	a	b	c	R	D
3283-25A	0-25mm	4µm	34	6	24	5	10	8
3283-50A	25-50mm	4µm	59	6	32	5	10	8
3283-75A	50-75mm	5µm	85	6	45	5	10	8
3283-100A	75-100mm	5µm	110	6	57	5	10	8
3283-125A	100-125mm	6µm	138	9	70	8	15	12
3283-150A	125-150mm	6µm	163	9	82	8	15	12
3283-175A	150-175mm	7µm	188	9	95	8	15	12
3283-200A	175-200mm	7µm	214	9	107	8	15	12



6

DIGITAL JAW TYPE MICROMETERS

DATA OUTPUT

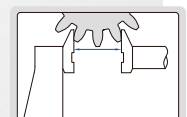
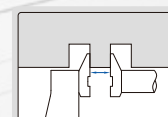
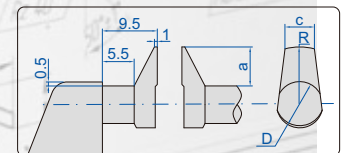
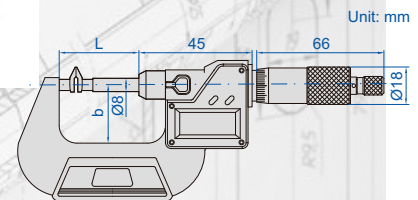
NON-ROTATING SPINDLE



3583-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

Code	Range	Accuracy	L	a	b	c	R	D
3583-25A	0-25mm/0-1"	±4µm	43	6.5	32	5	10	8
3583-50A	25-50mm/1-2"	±4µm	85	6.5	44.5	5	10	8
3583-75A	50-75mm/2-3"	±5µm	110	6.5	57	5	10	8
3583-100A	75-100mm/3-4"	±5µm	135	6.5	70	5	10	8
3583-125A	100-125mm/4-5"	±6µm	160	11.5	86	8	15	12
3583-150A	125-150mm/5-6"	±6µm	186	11.5	94.5	8	15	12
3583-175A	150-175mm/6-7"	±7µm	211	11.5	107	8	15	12
3583-200A	175-200mm/7-8"	±7µm	236	11.5	120	8	15	12

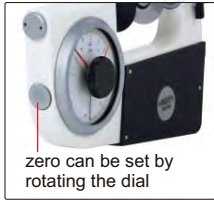




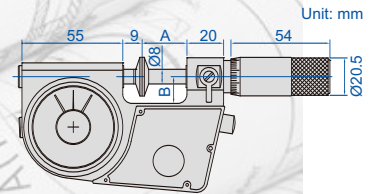
ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

DISK INDICATING MICROMETERS

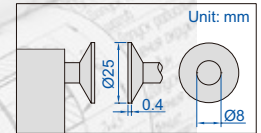
INSIZE PLUS
MADE IN EUROPE



3338-20



- Meet DIN863-3
- Suitable for measuring the common normal length of spur and helical gears
- Carbide measuring faces
- Measuring force 5-10N
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting



(mm)

Code	Micrometer head			Dial indicator			A	B
	range	graduation	accuracy	range	graduation	accuracy		
3338-201 *	0-20mm	0.01mm	4µm	±0.07mm	1µm	2µm	26	15
3338-20 *	0-20mm	0.01mm	4µm	±0.14mm	2µm	4µm	26	15
3338-451 *	20-45mm	0.01mm	4µm	±0.07mm	1µm	2µm	51.5	25
3338-45 *	20-45mm	0.01mm	4µm	±0.14mm	2µm	4µm	51.5	25
3338-701 *	45-70mm	0.01mm	4µm	±0.07mm	1µm	2µm	76.5	37
3338-70 *	45-70mm	0.01mm	4µm	±0.14mm	2µm	4µm	76.5	37
3338-951 *	70-95mm	0.01mm	4µm	±0.07mm	1µm	2µm	101.5	52.5
3338-95 *	70-95mm	0.01mm	4µm	±0.14mm	2µm	4µm	101.5	52.5
3338-120 *	95-120mm	0.01mm	4µm	±0.14mm	2µm	2µm	126.5	65
3338-145 *	120-145mm	0.01mm	4µm	±0.14mm	2µm	4µm	126.5	77.5

* Supplied with manufacturer inspection certificate

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

DISK MICROMETERS

INSIZE PLUS
MADE IN EUROPE

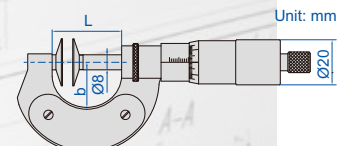
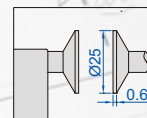
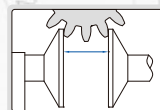
- Graduation: 0.01mm
- Ratchet stop
- One turn of sleeve makes 0.5mm spindle feed
- Optional accessory: setting standards (code 7386)



3676-25

(mm)

Code	Range	Accuracy	L	b
3676-25	0-25mm	4µm	37	24
3676-50	25-50mm	4µm	62	34
3676-75	50-75mm	5µm	87	46
3676-100	75-100mm	5µm	112	60
3676-125	100-125mm	6µm	139	72
3676-150	125-150mm	6µm	164	85
3676-175	150-175mm	7µm	190	97
3676-200	175-200mm	7µm	215	110
3676-225	200-225mm	8µm	240	122
3676-250	225-250mm	8µm	264	135
3676-275	250-275mm	9µm	290	148
3676-300	275-300mm	9µm	315	160

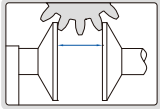


LARGE RANGE DISK MICROMETERS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

LIGHT
WEIGHT



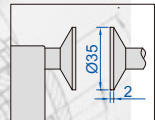
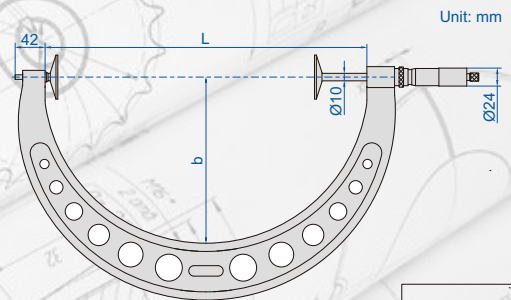
- Graduation: 0.01mm
- Ratchet stop
- Quick measurement, one turn of sleeve makes 1mm spindle feed
- Light weight
- Optional accessory: setting standards (code 7386)



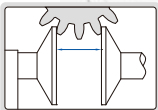
3677-350

(mm)

Code	Range	Accuracy	L	b	Weight
3677-350	300-350mm	8µm	370	190	1.65kg
3677-400	350-400mm	8µm	430	220	1.95kg
3677-450	400-450mm	9µm	475	250	2.30kg
3677-500	450-500mm	9µm	530	273	2.45kg
3677-550	500-550mm	10µm	570	291	2.55kg
3677-600	550-600mm	10µm	630	323	3.15kg
3677-650	600-650mm	10µm	675	351	3.45kg
3677-700	650-700mm	10µm	730	378	3.85kg
3677-750	700-750mm	10µm	785	401	4.05kg
3677-800	750-800mm	10µm	830	423	4.25kg
3677-850	800-850mm	11µm	885	440	4.45kg
3677-900	850-900mm	11µm	930	473	5.05kg
3677-950	900-950mm	11µm	980	503	5.95kg
3677-1000	950-1000mm	11µm	1030	520	6.25kg



DISK MICROMETERS



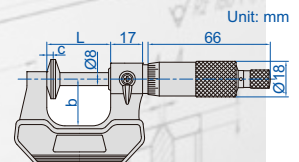
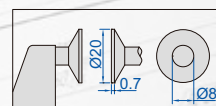
- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



3282-25

(mm)

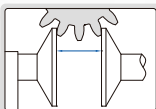
Code	Range	Accuracy	Parallelism	L	b	c
3282-25	0-25mm	4µm	5µm	34	24	3.3
3282-50	25-50mm	4µm	5µm	59	32	3.3
3282-75	50-75mm	5µm	5µm	85	45	3.3
3282-100	75-100mm	5µm	5µm	110	57	3.3



NON-ROTATING SPINDLE

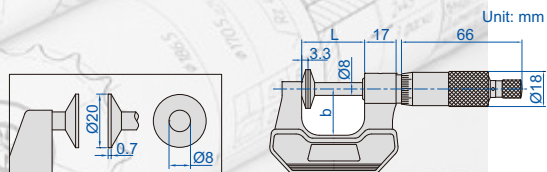
NON-ROTATING SPINDLE DISK MICROMETERS

- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards



3294-25

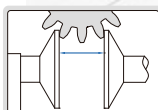
(mm)					
Code	Range	Accuracy	Parallelism	L	b
3294-25	0-25mm	4µm	5µm	34	24
3294-50	25-50mm	4µm	5µm	59	32
3294-75	50-75mm	5µm	5µm	85	45
3294-100	75-100mm	5µm	5µm	110	57



DATA OUTPUT

NON-ROTATING SPINDLE

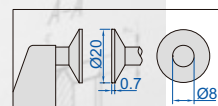
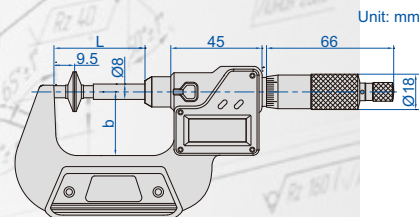
DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS



3594-25A

- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

Code	Range	Accuracy	Parallelism	L	b
3594-25A	0-25mm/0-1"	±4µm	5µm	43mm	32mm
3594-50A	25-50mm/1-2"	±4µm	5µm	68mm	44.5mm
3594-75A	50-75mm/2-3"	±5µm	5µm	93mm	57mm
3594-100A	75-100mm/3-4"	±5µm	5µm	118.5mm	70mm



HIGH PRECISION DIGITAL DISK MICROMETERS/SNAP GAGES

DATA OUTPUT

NON-ROTATING SPINDLE

ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

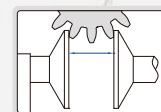
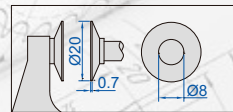
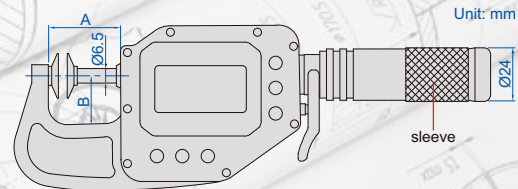
ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

IP65 WATERPROOF



3353-25

- Measure root tangent length of gear
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001" / 0.001mm/0.00005" / 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
- Customizable measuring force range 2-12N
- Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting
- Power: rechargeable battery, for 24 hours continuous working

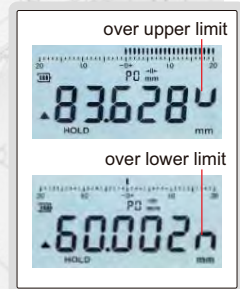


With data interface

Optional accessory:
wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

Code	Range	Accuracy	Repeatability	Parallelism	A	B
3353-25 *	0-25mm/0-1"	4µm	1µm	4µm	38mm	24mm
3353-50 *	25-50mm/1-2"	4µm	1µm	4µm	63mm	25mm
3353-75 *	50-75mm/2-3"	5µm	1µm	5µm	88mm	42mm
3353-100 *	75-100mm/3-3.95"	5µm	1µm	5µm	113mm	56mm
3353-125 *	100-125mm/4-5"	6µm	2µm	6µm	128mm	62.5mm
3353-150 *	125-150mm/5-6"	6µm	2µm	6µm	153mm	75mm

alarm when over tolerance



Built-in wireless

Optional accessory:
wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**
wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

Code	Range	Accuracy	Repeatability	Parallelism	A	B
3353-25WL *	0-25mm/0-1"	4µm	1µm	4µm	38mm	24mm
3353-50WL *	25-50mm/1-2"	4µm	1µm	4µm	63mm	25mm
3353-75WL *	50-75mm/2-3"	5µm	1µm	5µm	88mm	42mm
3353-100WL *	75-100mm/3-3.95"	5µm	1µm	5µm	113mm	56mm
3353-125WL *	100-125mm/4-5"	6µm	2µm	6µm	128mm	62.5mm
3353-150WL *	125-150mm/5-6"	6µm	2µm	6µm	153mm	75mm

wireless receiver 2134-R1, 2134-R2 (optional)



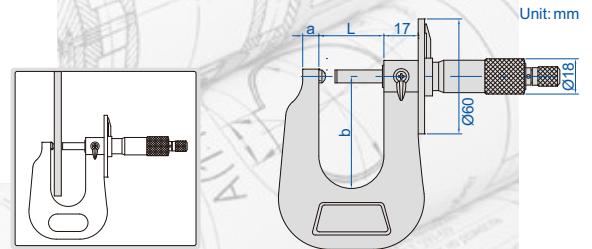
* Supplied with manufacturer inspection certificate

SHEET METAL MICROMETERS

- Meet DIN863-3
- Measure thickness of sheet metal, paper, plastic and rubber parts
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces

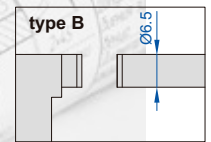
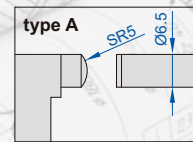


3263-25A



Code	Range	Type	Accuracy	L	a	b
3263-15A	0-15mm	A	4µm	22	8	50
3263-25A	0-25mm	A	4µm	32	8	50
3263-50A	0-50mm	A	5µm	57	12	100
3263-15B	0-15mm	B	4µm	22	8	50
3263-25B	0-25mm	B	4µm	32	8	50
3263-50B	0-50mm	B	5µm	57	12	100

(mm)



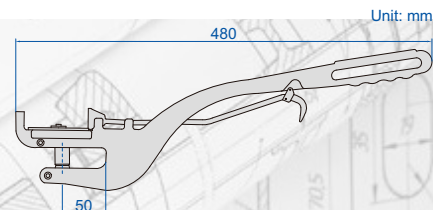
MICROMETERS FOR HOT PLATE

- Measure thickness of hot rolling sheet metal
- Carbide measuring faces
- Supplied with setting standard (except 0-15mm)



3264-15

Code	Range	Graduation	Accuracy
3264-15	0-15mm	0.05mm	0.05mm
3264-30	15-30mm	0.05mm	0.05mm
3264-45	30-45mm	0.05mm	0.05mm
3264-60	45-60mm	0.05mm	0.05mm
3264-75	60-75mm	0.05mm	0.05mm
3264-90	75-90mm	0.05mm	0.05mm
3264-105	90-105mm	0.05mm	0.05mm



HUB MICROMETERS

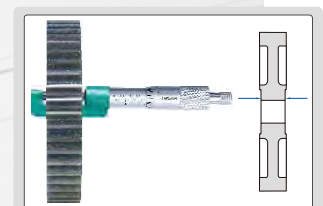
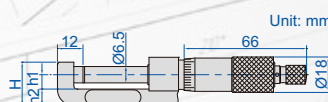
- Meet DIN863-3
- Measure hub thickness and shoulder inside a bore
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3292-25

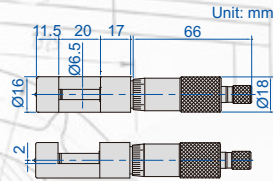
Code	Range	Accuracy	h1	h2	H
3292-25	0-25mm	4µm	6	9	18.7
3292-50	25-50mm	4µm	6.5	11	21.2
3292-75	50-75mm	5µm	6.5	11	21.2
3292-100	75-100mm	5µm	6.5	11	21.2

(mm)

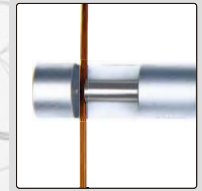


WIRE MICROMETER

- Meet DIN863-3
- Measure diameter of wires and small balls
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3285-10



Code	Range	Accuracy
3285-10	0-10mm	4µm

6

CAN SEAM MICROMETERS



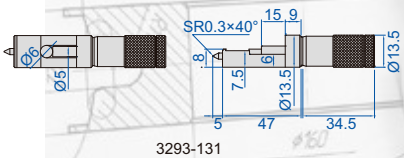
3293-131



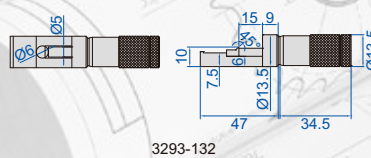
3293-132



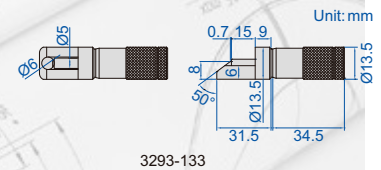
3293-133



3293-131



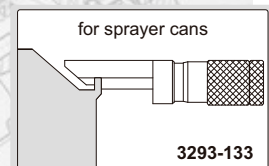
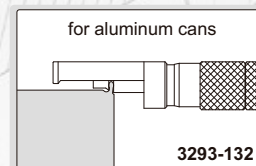
3293-132



3293-133

- Measure the width, height and depth of can seams
- Graduation 0.01mm

Code	Range	Accuracy
3293-131	0-13mm	4µm
3293-132	0-13mm	4µm
3293-133	0-13mm	4µm



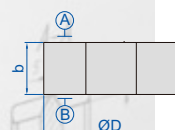
OPTICAL PARALLELS

- Check the flatness and parallelism of measuring faces of micrometer
- Flatness of A and B: 0.1µm
- Parallelism between A and B: 0.6µm



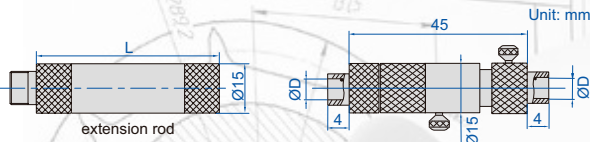
4184-41A

Code	Parallels included (b)	ØD	Applicable micrometer
4184-41A	15.62mm, 15.75mm, 15.87mm, 16.00mm	30mm	0-25mm
4184-42A	40.62mm, 40.75mm, 40.87mm, 41.00mm	30mm	25-50mm
4184-43B	65.62mm, 65.75mm, 65.87mm, 66.00mm	40mm	50-75mm
4184-44B	90.62mm, 90.75mm, 90.87mm, 91.00mm	50mm	75-100mm



MEASURING TIPS DIAMETER
ØD CAN BE CUSTOMIZED

PARALLELISM INSPECT DEVICES FOR OUTSIDE MICROMETERS



4199-1000



VIDEO

- Check parallelism of outside micrometers
- Simple structure, wide measuring range, high reliability
- Stainless steel measuring tips and extension rod
- Supplied with two kinds of measuring tips

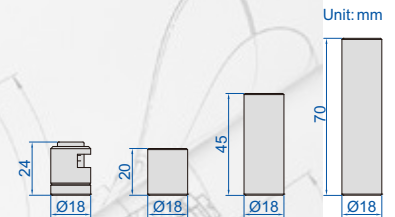
Code	Range	Measuring tips dia. (ØD)	Extension rod (L)
4199-1000	50-1000mm	6.5mm, 8mm	15mm, 25mm, 50mm, 100mm (3 pcs), 150mm, 200mm (2 pcs)
4199-2000	50-2000mm	6.5mm, 8mm	15mm, 25mm, 50mm, 100mm (3 pcs), 150mm, 200mm (7 pcs)

MICROMETER MEASURING FORCE DETECTOR

- For outside micrometers
0-25mm/0-1", 25-50mm/1-2",
50-75mm/2-3" and 75-100mm/3-4"



6315



Code	Measuring force
6315	5-12N

REFER TO PAGE
326-327 FOR DETAILS

MICROMETER INSPECTION GAGE BLOCK SETS



4107-10

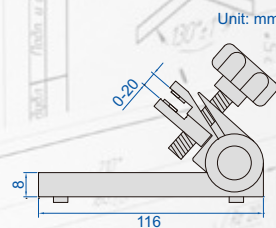


4160-10

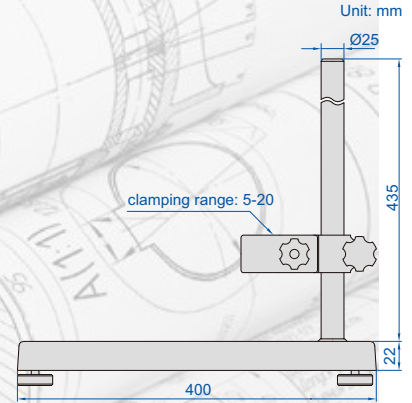
- Suitable for outside micrometers
up to 100mm



6300



MICROMETER STAND



6302

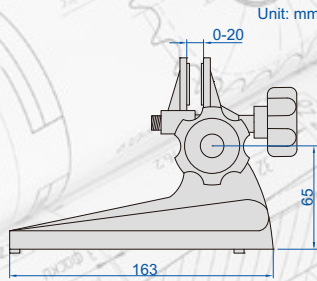
Code
6302

- Suitable for 100-300mm outside micrometers (except 3675 series)

6

MICROMETER STAND

- Suitable for outside micrometers up to 100mm

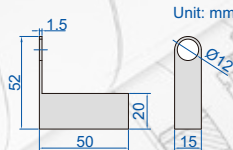


Code
6301



6301

- Suitable for inside micrometers



Code
6301-1

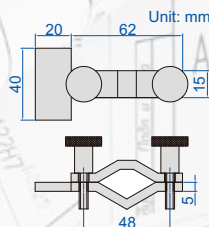
Description
clamp for inside micrometers

Applicable products
all sizes of 3220 series



6301-1

- Suitable for three points internal micrometers



Code
6301-2

Description
clamp for three points internal micrometers

Applicable products
up to 100mm of 3127 and 3227 series



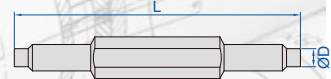
6301-2

MICROMETER SETTING STANDARDS

INSIZE PLUS
MADE IN EUROPE



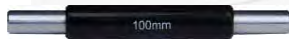
7386-100



▪ Suitable for outside micrometers

Code	Length (L)	Accuracy	ØD	Code	Length (L)	Accuracy	ØD	Code	Length (L)	Accuracy	ØD
7386-25	25mm	±1.25µm	6.5mm	7386-425	425mm	±3.5µm	10mm	7386-850	850mm	±4µm	10mm
7386-50	50mm	±1.25µm	6.5mm	7386-450	450mm	±3.5µm	10mm	7386-875	875mm	±4µm	10mm
7386-75	75mm	±1.5µm	6.5mm	7386-475	475mm	±3.5µm	10mm	7386-900	900mm	±5µm	10mm
7386-100	100mm	±2µm	6.5mm	7386-500	500mm	±3.5µm	10mm	7386-925	925mm	±5µm	10mm
7386-125	125mm	±2.5µm	6.5mm	7386-525	525mm	±3.5µm	10mm	7386-950	950mm	±5µm	10mm
7386-150	150mm	±2.5µm	6.5mm	7386-550	550mm	±3.5µm	10mm	7386-975	975mm	±5µm	10mm
7386-175	175mm	±2.5µm	6.5mm	7386-575	575mm	±3.5µm	10mm	7386-1000	1000mm	±5µm	10mm
7386-200	200mm	±3µm	6.5mm	7386-600	600mm	±3.5µm	10mm	7386-1050	1050mm	±5µm	10mm
7386-225	225mm	±3µm	6.5mm	7386-625	625mm	±4µm	10mm	7386-1150	1150mm	±6µm	10mm
7386-250	250mm	±3µm	6.5mm	7386-650	650mm	±4µm	10mm	7386-1250	1250mm	±7µm	10mm
7386-275	275mm	±3µm	6.5mm	7386-675	675mm	±4µm	10mm	7386-1350	1350mm	±7µm	10mm
7386-300	300mm	±3µm	10mm	7386-700	700mm	±4µm	10mm	7386-1450	1450mm	±7µm	10mm
7386-325	325mm	±3.5µm	10mm	7386-725	725mm	±4µm	10mm	7386-1550	1550mm	±9µm	10mm
7386-350	350mm	±3.5µm	10mm	7386-750	750mm	±4µm	10mm	7386-1650	1650mm	±10µm	10mm
7386-375	375mm	±3.5µm	10mm	7386-775	775mm	±4µm	10mm	7386-1750	1750mm	±10µm	10mm
7386-400	400mm	±3.5µm	10mm	7386-800	800mm	±4µm	10mm	7386-1850	1850mm	±11µm	10mm
				7386-825	825mm	±4µm	10mm	7386-1950	1950mm	±12µm	10mm

MICROMETER SETTING STANDARDS



6310-100



type A



6310-300



type B

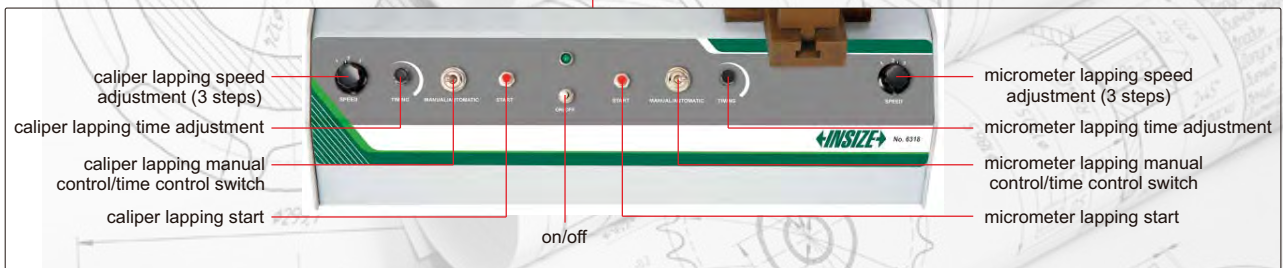
Code	Length	Type	Accuracy	D	Code	Length	Type	Accuracy	D
6310-25	25	A	±1.5µm	Ø7	6310-400	400	B	±9µm	Ø16
6310-50	50	A	±2µm	Ø7	6310-425	425	B	±9.5µm	Ø16
6310-75	75	A	±2.5µm	Ø7	6310-450	450	B	±10µm	Ø16
6310-100	100	A	±3µm	Ø8	6310-475	475	B	±10.5µm	Ø16
6310-125	125	A	±3.5µm	Ø8	6310-500	500	B	±11µm	Ø16
6310-150	150	A	±4µm	Ø8	6310-525	525	B	±11.5µm	Ø16
6310-175	175	A	±4.5µm	Ø8	6310-575	575	B	±12.5µm	Ø16
6310-200	200	A	±5µm	Ø8	6310-625	625	B	±13.5µm	Ø16
6310-225	225	A	±5.5µm	Ø8	6310-675	675	B	±14.5µm	Ø16
6310-250	250	A	±6µm	Ø8	6310-725	725	B	±15.5µm	Ø16
6310-275	275	A	±6.5µm	Ø8	6310-775	775	B	±16.5µm	Ø16
6310-300	300	B	±7µm	Ø16	6310-825	825	B	±17.5µm	Ø16
6310-325	325	B	±7.5µm	Ø16	6310-875	875	B	±18.5µm	Ø16
6310-350	350	B	±8µm	Ø16	6310-925	925	B	±19.5µm	Ø16
6310-375	375	B	±8.5µm	Ø16	6310-975	975	B	±20.5µm	Ø16

Code	Length	Type	Accuracy	D
6310-1050	1050	B	±22µm	Ø23
6310-1150	1150	B	±24µm	Ø23
6310-1250	1250	B	±26µm	Ø23
6310-1350	1350	B	±28µm	Ø23
6310-1450	1450	B	±30µm	Ø23
6310-1550	1550	B	±32µm	Ø23
6310-1650	1650	B	±34µm	Ø23
6310-1750	1750	B	±36µm	Ø23
6310-1850	1850	B	±38µm	Ø23
6310-1950	1950	B	±40µm	Ø23

CALIPER/MICROMETER LAPPING MACHINE CODE 6318



6



lapping measuring surfaces of caliper lower jaws



lapping measuring surfaces of outside micrometer



- For lapping measuring surfaces of caliper lower jaws and outside micrometers
- Suitable for 0-300mm range calipers and 0-100mm range outside micrometers
- Supplied with lapping block and diamond paste for calipers
- Lapping blocks for micrometers are optional, diamond paste is included
- Optional accessory: micrometer lapping blocks

caliper lapping block (included)



micrometer lapping blocks (code: 6307-1, optional)



SPECIFICATION

Power supply	220V, 50/60Hz
Dimension (L×W×H)	430×400×210mm
Weight	28kg

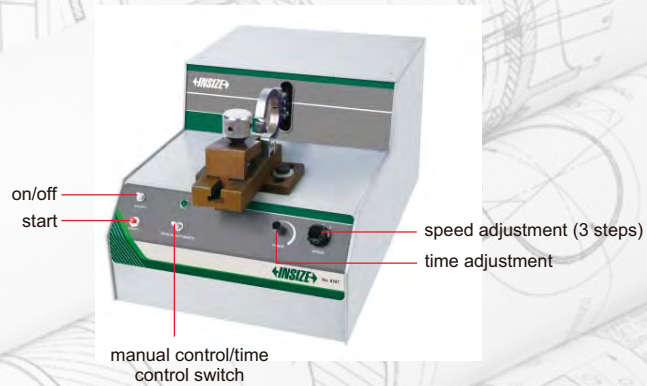
MICROMETER LAPPING BLOCKS (optional)

Code	For micrometer	Remark
6307-1	0~25mm	includes 4 lapping blocks
6307-2	25~50mm	includes 4 lapping blocks
6307-3	50~75mm	includes 4 lapping blocks
6307-4	75~100mm	includes 4 lapping blocks



MICROMETER LAPPING MACHINE CODE 6307

- Used for lapping micrometer measuring surfaces
- Suitable for 0~100mm outside micrometers
- Supplied with diamond paste
- Optional accessory: micrometer lapping blocks



SPECIFICATION

Power supply	220V, 50/60HZ
Dimension (L×W×H)	360×230×210mm
Weight	15kg

MICROMETER LAPPING BLOCKS (optional)

Code	For micrometer	Remark
6307-1	0~25mm	includes 4 lapping blocks
6307-2	25~50mm	includes 4 lapping blocks
6307-3	50~75mm	includes 4 lapping blocks
6307-4	75~100mm	includes 4 lapping blocks

micrometer lapping blocks (code: 6307-1, optional)



IP65
WATERPROOF

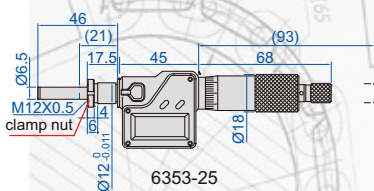
DATA
OUTPUT

DIGITAL MICROMETER HEADS

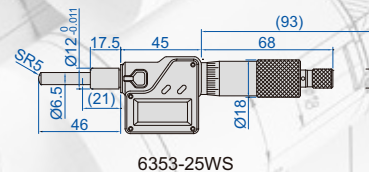
- Resolution: 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



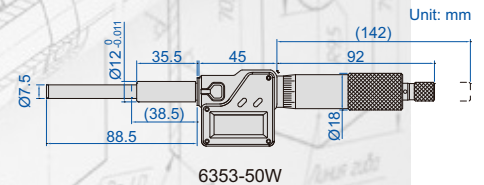
6353-25W



6353-25

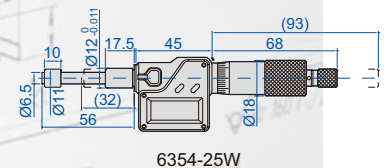


6353-25WS



6353-50W

Unit: mm



6354-25W

Rotating spindle

Code	Range	Stem	Spindle tip	Accuracy
6353-25	0-25mm/0-1"	with clamp nut	flat (carbide)	±2µm
6353-25W	0-25mm/0-1"	plain	flat (carbide)	±2µm
6353-25S	0-25mm/0-1"	with clamp nut	spherical (SR5)	±2µm
6353-25WS	0-25mm/0-1"	plain	spherical (SR5)	±2µm
6353-50W	0-50mm/0-2"	plain	flat (carbide)	±4µm

Non-rotating spindle

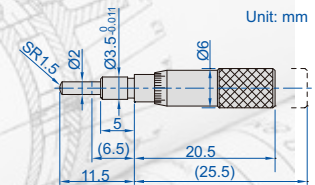
Code	Range	Stem	Spindle tip	Accuracy
6354-25W	0-25mm/0-1"	plain	flat	±2µm

SMALL MICROMETER HEAD

- Graduation: 0.02mm



6372-5WS



Code	Range	Stem	Spindle tip	Accuracy
6372-5WS	0-5mm	plain	spherical (SR1.5)	5µm

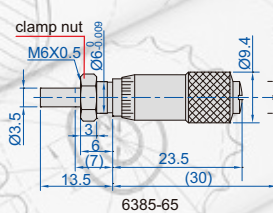
SMALL MICROMETER HEADS



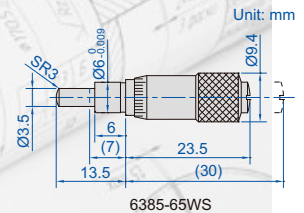
6385-65W

- Range: 0-6.5mm
- Graduation: 0.01mm
- Accuracy: 5µm

Code	Stem	Spindle tip
6385-65	with clamp nut	flat
6385-65W	plain	flat
6385-65S	with clamp nut	spherical (SR3)
6385-65WS	plain	spherical (SR3)



6385-65

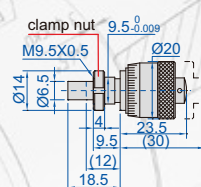


6385-65WS

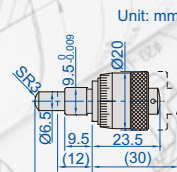
LARGE THIMBLE MICROMETER HEADS



6373-65



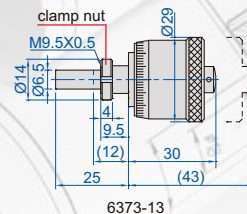
6373-65



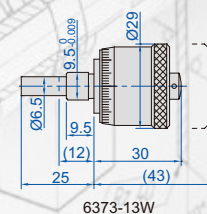
6373-65WS



6373-13



6373-13



6373-13W

Code	Range	Stem	Spindle tip
6373-65	0-6.5mm	with clamp nut	flat
6373-65W	0-6.5mm	plain	flat
6373-65S	0-6.5mm	with clamp nut	spherical (SR3)
6373-65WS	0-6.5mm	plain	spherical (SR3)
6373-13	0-13mm	with clamp nut	flat
6373-13W	0-13mm	plain	flat

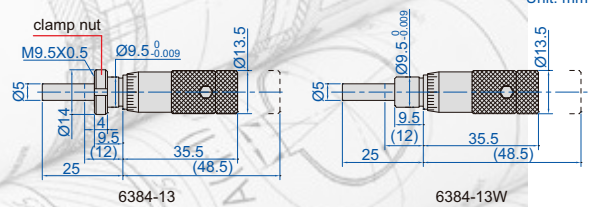
- Meet DIN863-2
- Large thimble diameter for easy reading
- Graduation: 0.01mm
- Accuracy: 3µm

MICROMETER HEADS WITH ZERO ADJUSTABLE THIMBLE

- Meet DIN863-2
- Range: 0-13mm
- Graduation: 0.01mm
- Accuracy: 3µm
- The thimble can be set to zero at any position

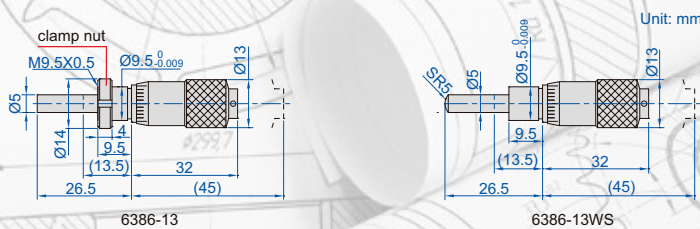


6384-13W

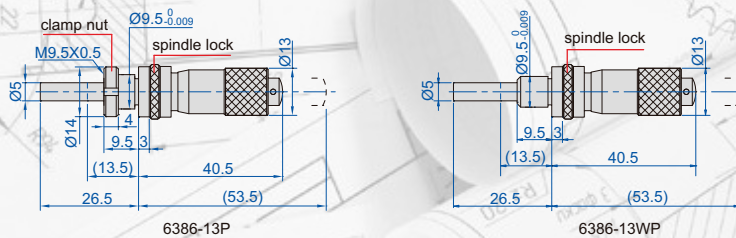


Code	Stem	Spindle tip
6384-13	with clamp nut	flat
6384-13W	plain	flat

MICROMETER HEADS



6386-13W



6386-13P

Code	Range	Stem	Spindle tip	Remark	Accuracy
6386-13	0-13mm	with clamp nut	flat		3µm
6386-13W	0-13mm	plain	flat		3µm
6386-13S	0-13mm	with clamp nut	spherical (SR5)		3µm
6386-13WS	0-13mm	plain	spherical (SR5)		3µm
6386-13P	0-13mm	with clamp nut	flat	with spindle lock	3µm
6386-13WP	0-13mm	plain	flat	with spindle lock	3µm

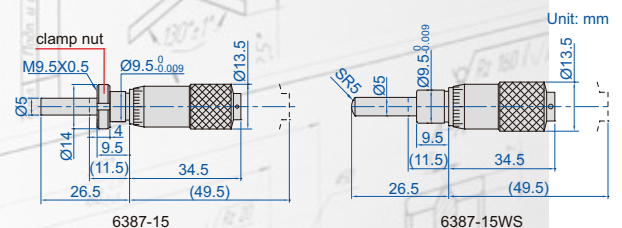
- Meet DIN863-2
- Graduation: 0.01mm

MICROMETER HEADS

- Meet DIN863-2
- Graduation: 0.01mm
- Accuracy: 3µm

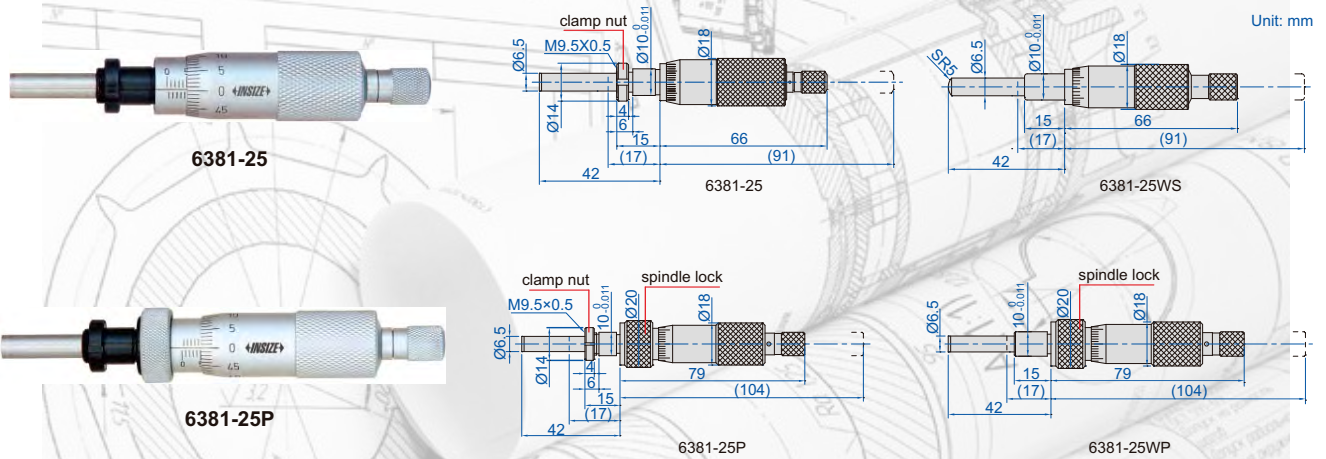


6387-15WS



Code	Range	Stem	Spindle tip
6387-15	0-15mm	with clamp nut	flat
6387-15W	0-15mm	plain	flat
6387-15S	0-15mm	with clamp nut	spherical (SR5)
6387-15WS	0-15mm	plain	spherical (SR5)

MICROMETER HEADS



- Meet DIN863-2
- Graduation: 0.01mm
- Ratchet stop

Code	Range	Stem	Spindle tip	Remark	Accuracy
6381-25	0-25mm	with clamp nut	flat (carbide)		3µm
6381-25W	0-25mm	plain	flat (carbide)		3µm
6381-25S	0-25mm	with clamp nut	spherical (SR5)		3µm
6381-25WS	0-25mm	plain	spherical (SR5)		3µm
6381-25P	0-25mm	with clamp nut	flat (carbide)	with spindle lock	3µm
6381-25WP	0-25mm	plain	flat (carbide)	with spindle lock	3µm

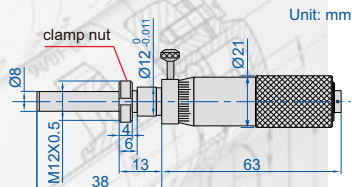
MICROMETER HEADS

NON-ROTATING SPINDLE

- Non-rotating spindle
- One turn of sleeve makes 0.05mm spindle feed
- Carbide measuring faces



6389-1A



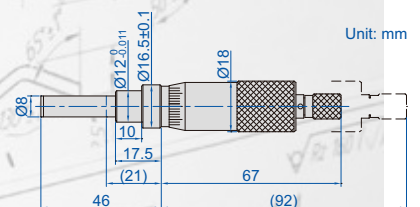
Code	Range	Graduation	Accuracy	
			full range	within 0.05mm
6389-1A	0-2.5mm	0.001mm	5µm	1.5µm
6389-2A	0-2.5mm	0.001mm	7µm	3µm

NON-ROTATING SPINDLE MICROMETER HEAD

- Meet DIN863-2
- Graduation: 0.01mm
- Ratchet stop
- Non-rotating spindle



6377-25W

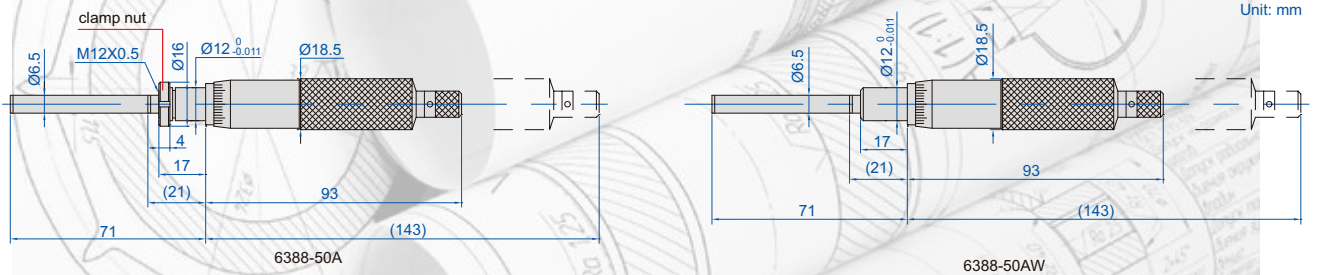


Code	Range	Stem	Spindle tip	Accuracy
6377-25W	0-25mm	plain	flat (carbide)	3µm

LARGE MICROMETER HEADS



6388-50AW



- Graduation: 0.01mm
- Ratchet stop

Code	Range	Stem	Spindle tip	Accuracy
6388-50A	0-50mm	with clamp nut	flat (carbide)	5µm
6388-50AW	0-50mm	plain	flat (carbide)	5µm

QUICK SPINDLE FEEDING MICROMETER HEADS



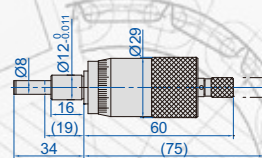
6375-15W



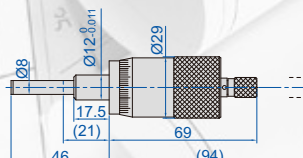
6375-25W



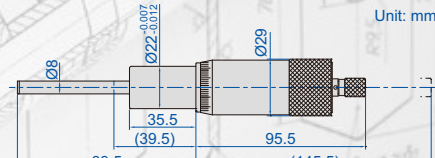
6375-50W



6375-15W



6375-25W



6375-50W

- Micrometers up to 25mm meet DIN863-2
- Graduation: 0.01mm
- Quick spindle feed of 1mm/rev.
- Ratchet stop

Code	Range	Stem	Spindle tip	Accuracy
6375-15W	0-15mm	plain	flat (carbide)	3µm
6375-25W	0-25mm	plain	flat (carbide)	3µm
6375-50W	0-50mm	plain	flat (carbide)	5µm