

NON-ROTATING SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

HIGH PRECISION DIGITAL 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

IP65 WATERPROOF

DATA OUTPUT

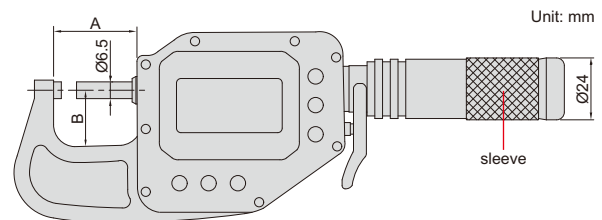
ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

INSPECTION CERTIFICATE



3350-25

- 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



Unit: mm

sleeve

With data interface

Optional accessory:

wireless transmitter, code **7315-3350**, wireless receiver, code **7315-2**, **7315-3**

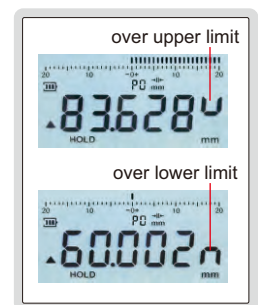
data output cable (keyboard format), code **7302-3350**

data output cable (serial port format), code **7305-G60**

(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

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

warning 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		
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

NON-ROTATING SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

IP65 WATERPROOF

DATA OUTPUT



ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

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

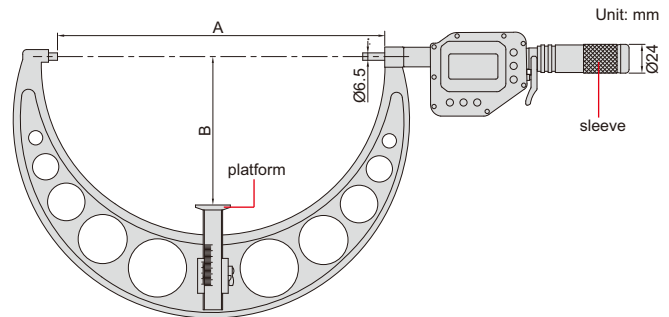
MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

setting standard (included)



5

- 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 setting standards
- Power: rechargeable battery, for 24 hours continuous working



With data interface

Optional accessory:

wireless transmitter, code **7315-3350**, wireless receiver, code **7315-2**, **7315-3**

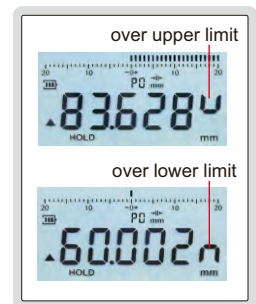
data output cable (keyboard format), code **7302-3350**

data output cable (serial port format), code **7305-G60**

(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

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

warning 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

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

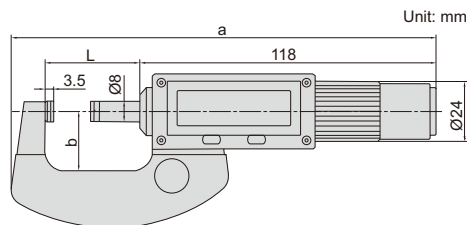
NON-ROTATING
SPINDLE

DATA
OUTPUT

STROKE
30mm



3661-30



- 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 **7302-80**, **7305-A03**)

(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)



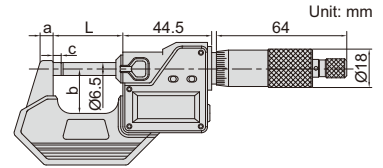
DATA OUTPUT

IP65 WATERPROOF

data output on the back



3101-25A



- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- 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 7315-30, 7302-30)

Metric/Inch type (ratchet stop)

(mm)

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)

(mm)

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)

(mm)

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



3101-753A



3101-1506A

*Supplied with manufacturer inspection certificate traceable to DKD Germany

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

- 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")

IP65
WATERPROOF

ATTENTION: NO
DATA OUTPUT

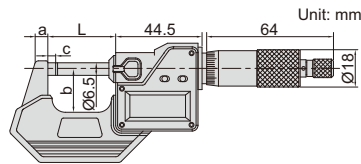
INSPECTION
CERTIFICATE
TRACEABLE TO DKD

Ratchet stop type

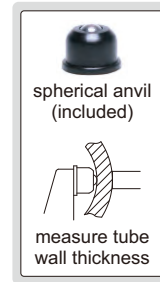
Code	Range	Accuracy	L	a	b	c
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3
3108-175A	150-175mm/6-7"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



3108-25A



ratchet stop



spherical anvil
(included)

measure tube
wall thickness



friction thimble
for one hand
operation

Friction thimble type

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

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



3108-753A

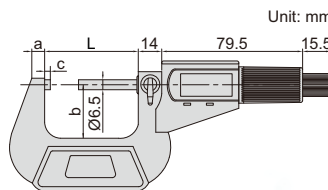


3108-1506A

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITH DATA OUTPUT)

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output, 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, 7302-30)



data output
on the back

INSPECTION
CERTIFICATE
TRACEABLE TO DKD

DATA
OUTPUT

Individual

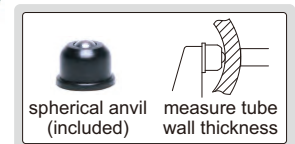
Code	Range	Accuracy	L	a	b	c
3102-25*	0-25mm/0-1"	±2µm	32	6	24	3
3102-50*	25-50mm/1-2"	±2µm	57	8	32	3
3102-75*	50-75mm/2-3"	±3µm	82	8	45	3
3102-100*	75-100mm/3-4"	±3µm	107	10	57	3
3102-125	100-125mm/4-5"	±3µm	133	10	70	3
3102-150	125-150mm/5-6"	±3µm	158	10	82	3
3102-175	150-175mm/6-7"	±4µm	183	12	95	5.5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



friction
thimble for one
hand operation



3102-50



spherical anvil
(included)

measure tube
wall thickness

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



3102-753A



3102-1506A

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DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

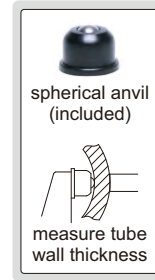
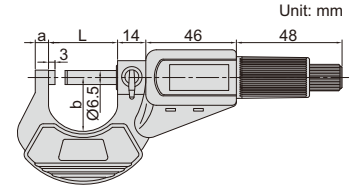


ATTENTION: NO DATA OUTPUT

- 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	27.5mm
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	21mm	104mm
3109-200A	175-200mm/7-8"	±4µm	207mm	21mm	117mm

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



3109-753A



3109-1506A

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DIGITAL VERTICAL MICROMETERS

DATA OUTPUT

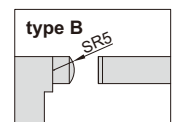
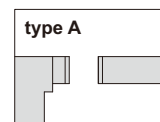
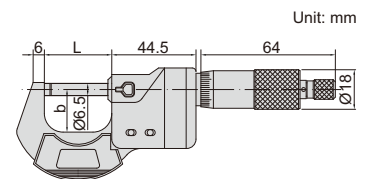
IP65 WATERPROOF



- 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, 7302-30)



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 traceable to DKD Germany



OUTSIDE MICROMETERS WITH COUNTER

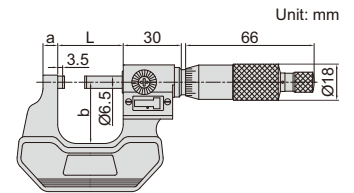
- Counter resolution: 0.01mm
- Thimble graduation: 0.01mm
- Carbide measuring faces
- Meet DIN 863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

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

*Supplied with manufacturer inspection certificate traceable to DKD Germany



3400-25

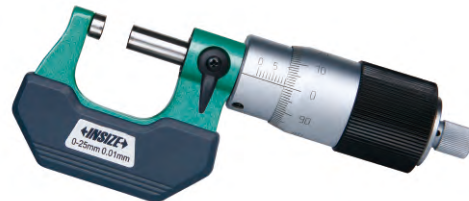


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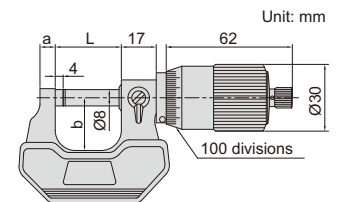
QUICK FEEDING OUTSIDE MICROMETERS

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

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



3208-25B



OUTSIDE MICROMETERS

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

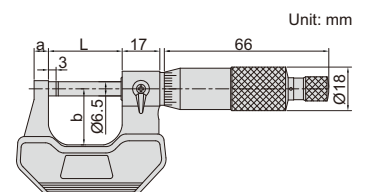
Set

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 traceable to DKD Germany



3202-25A

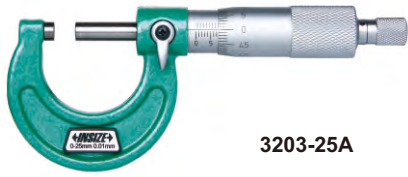


- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

OUTSIDE MICROMETERS



5



3203-25A



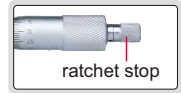
3203-50A



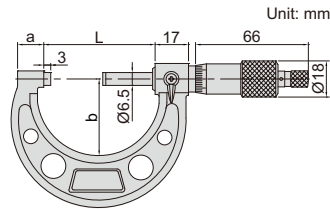
3203-1004A



3203-3006A



- 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

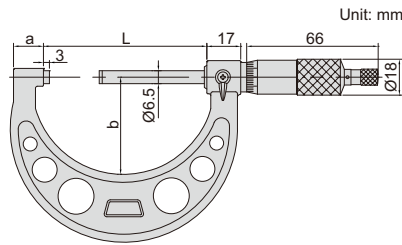
Inch (friction thimble type)

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 traceable to DKD Germany or NIST USA

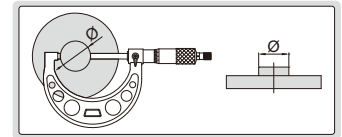
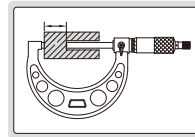
LONG SPINDLE OUTSIDE MICROMETERS

- 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



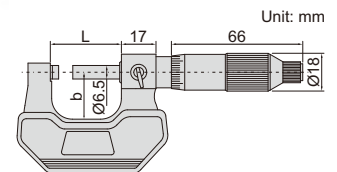
NON MAGNETIC MICROMETERS

- 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)



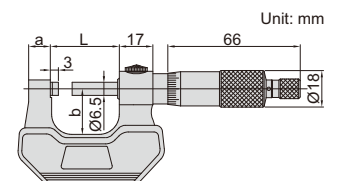
front



back

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



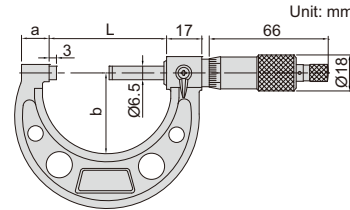
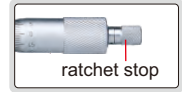
1µm GRADUATION OUTSIDE MICROMETERS

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

**INSPECTION
CERTIFICATE**
TRACEABLE TO DKD



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

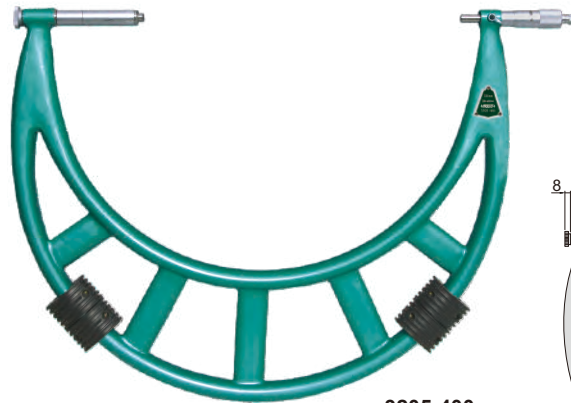
*Supplied with manufacturer inspection certificate traceable to DKD Germany

OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

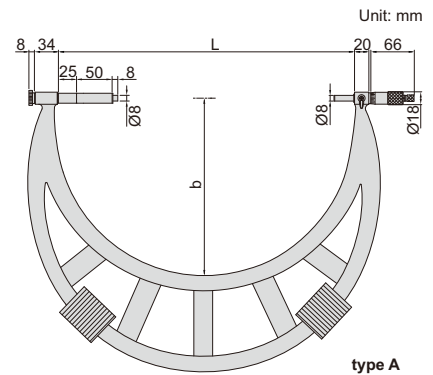
- Graduation 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



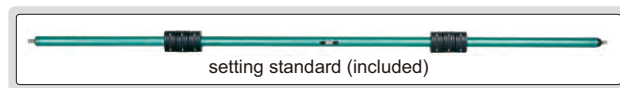
adjust collars for different measuring ranges



3205-400

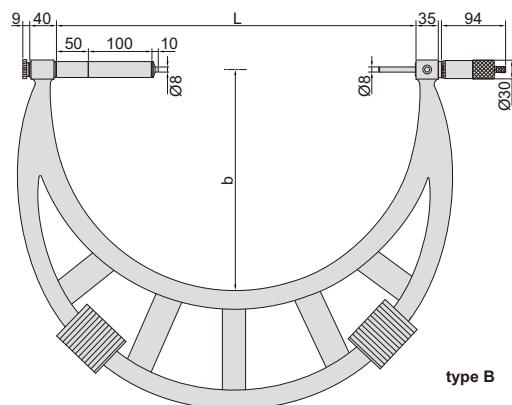


type A



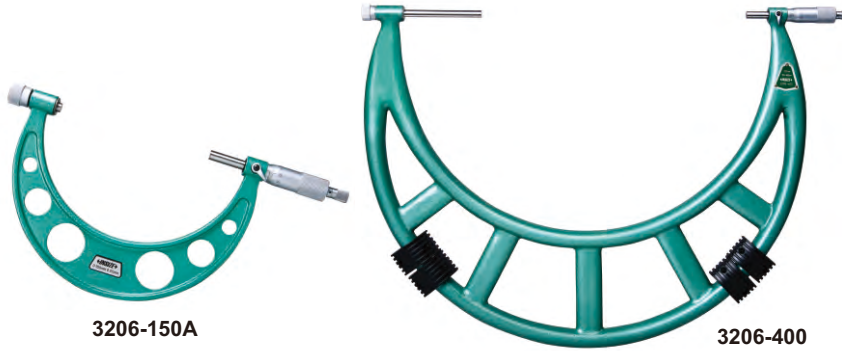
Code	Range	Type	Accuracy	L	b	Setting standard (included)
3205-400	300-400mm	A	11µm	410	250	325, 375
3205-500	400-500mm	A	13µm	510	295	425, 475
3205-600	500-600mm	A	14µm	610	345	525, 575
3205-700	600-700mm	A	16µm	710	395	625, 675
3205-800	700-800mm	A	18µm	810	445	725, 775,
3205-900	800-900mm	A	20µm	910	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

(mm)

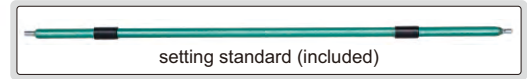
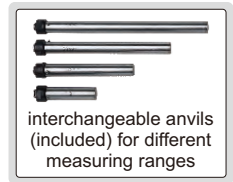


type B

OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

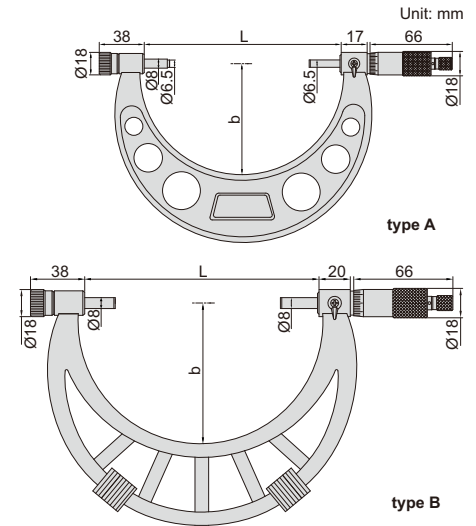


- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards



5

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

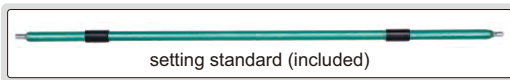
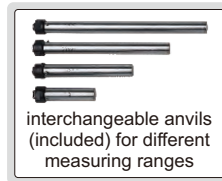


IP65
WATERPROOF

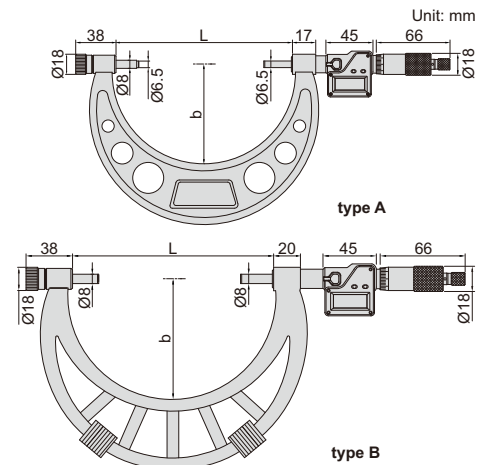
DATA
OUTPUT

DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

- Resolution 0.001mm/0.0001" (resolution of 3506-100A and 3506-150A is 0.001mm/0.0005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)

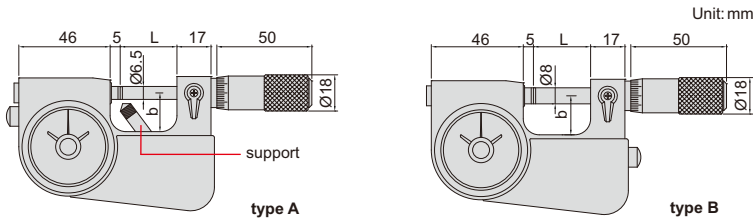


Code	Range	Type	Accuracy	L	b	Setting standard (included)
3506-100A	0-100mm/0-4"	A	±5μm	105	57	25, 50, 75
3506-150A	0-150mm/0-6"	A	±6μm	155	82	25, 50, 75, 100, 125
3506-300A	150-300mm/6-12"	A	±8μm	305	165	150, 175, 200, 225, 250, 275
3506-301A	200-300mm/8-12"	A	±8μm	305	165	200, 225, 250, 275
3506-400A	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



INDICATING MICROMETERS

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED



3332-25



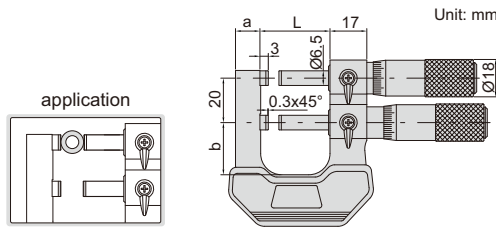
3332-25B

- 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

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

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

MICROMETERS WITH DIAL INDICATOR

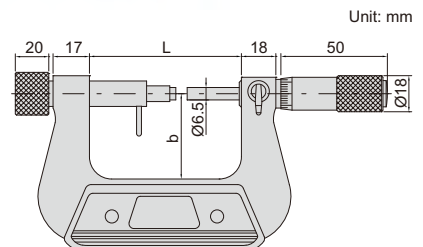
ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

- 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

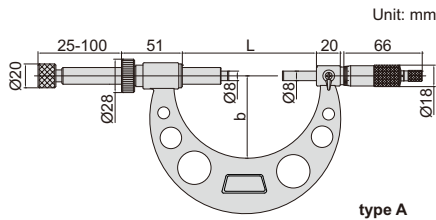
Code	Micrometer head range	Micrometer head accuracy	L	b
3331-25A	0-25mm	4µm	67mm	38mm
3331-50A	25-50mm	4µm	92.4mm	50mm
3331-75A	50-75mm	5µm	117.6mm	62mm
3331-100A	75-100mm	5µm	143mm	70mm
3331-125A	100-125mm	6µm	168.2mm	82mm
3331-150A	125-150mm	6µm	192mm	94.5mm
3331-175A	150-175mm	7µm	217mm	107mm



ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



3296-100A

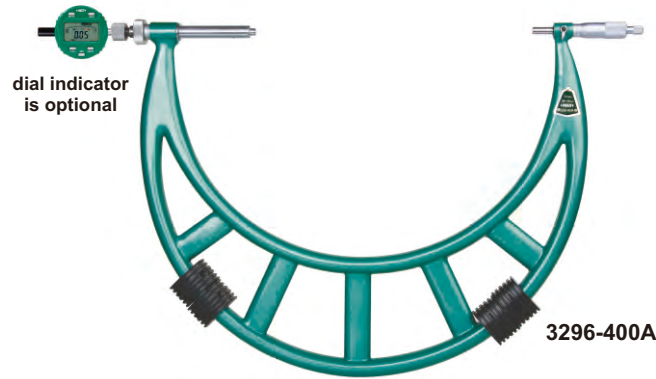


type A

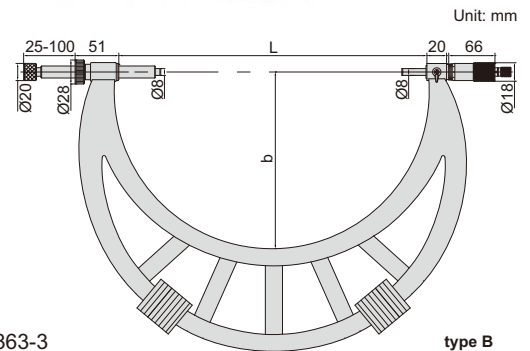
(mm)

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

MICROMETERS WITH DIAL INDICATOR



3296-400A



type B

- 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")

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

No ratchet stop (mm)

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

Two-directional ratchet stop (mm)

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

*3287-251A and 3287-251B do not have sleeve

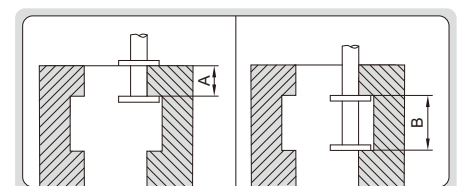
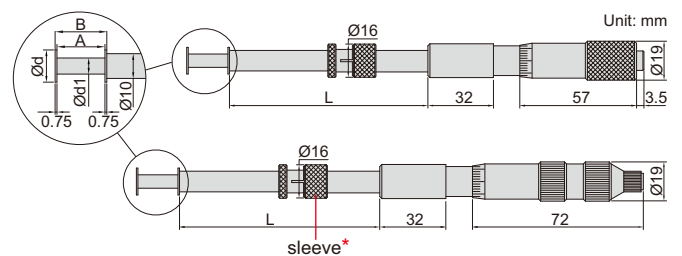
GROOVE MICROMETERS



3287-25A



3287-50B

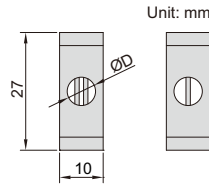


3-WIRES

INSPECTION CERTIFICATE



7382-19



Unit: mm



VIDEO

application



5

- 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

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

Code	Pin gage diameter	Applicable pitch
7382-11	$\text{Ø}0.170\text{mm}$	0.2mm, 0.25mm, 0.3mm
7382-12	$\text{Ø}0.195\text{mm}$	0.35mm
7382-13	$\text{Ø}0.220\text{mm}$	0.4mm
7382-14	$\text{Ø}0.250\text{mm}$	0.45mm
7382-15	$\text{Ø}0.290\text{mm}$	0.5mm
7382-16	$\text{Ø}0.335\text{mm}$	0.6mm
7382-17	$\text{Ø}0.390\text{mm}$	0.7mm
7382-18	$\text{Ø}0.455\text{mm}$	0.75mm, 0.8mm
7382-19	$\text{Ø}0.530\text{mm}$	0.9mm
7382-110	$\text{Ø}0.620\text{mm}$	1.0mm
7382-111	$\text{Ø}0.725\text{mm}$	1.25mm
7382-112	$\text{Ø}0.895\text{mm}$	1.5mm
7382-113	$\text{Ø}1.100\text{mm}$	1.75mm, 2.0mm
7382-114	$\text{Ø}1.350\text{mm}$	2.5mm
7382-115	$\text{Ø}1.650\text{mm}$	3.0mm
7382-116	$\text{Ø}2.050\text{mm}$	3.5mm
7382-117	$\text{Ø}2.550\text{mm}$	4mm, 4.5mm
7382-118	$\text{Ø}3.200\text{mm}$	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	$\text{Ø}0.170\text{mm}$	0.2mm, 0.25mm, 0.3mm
7382-22	$\text{Ø}0.195\text{mm}$	0.35mm
7382-23	$\text{Ø}0.220\text{mm}$	0.4mm
7382-24	$\text{Ø}0.250\text{mm}$	0.45mm
7382-25	$\text{Ø}0.290\text{mm}$	0.5mm
7382-26	$\text{Ø}0.335\text{mm}$	0.6mm
7382-27	$\text{Ø}0.390\text{mm}$	0.7mm
7382-28	$\text{Ø}0.455\text{mm}$	0.75mm, 0.8mm
7382-29	$\text{Ø}0.530\text{mm}$	0.9mm
7382-210	$\text{Ø}0.620\text{mm}$	1.0mm
7382-211	$\text{Ø}0.725\text{mm}$	1.25mm
7382-212	$\text{Ø}0.895\text{mm}$	1.5mm
7382-213	$\text{Ø}1.100\text{mm}$	1.75mm, 2.0mm
7382-214	$\text{Ø}1.350\text{mm}$	2.5mm
7382-215	$\text{Ø}1.650\text{mm}$	3.0mm
7382-216	$\text{Ø}2.050\text{mm}$	3.5mm
7382-217	$\text{Ø}2.550\text{mm}$	4mm, 4.5mm
7382-218	$\text{Ø}3.200\text{mm}$	5mm, 5.5mm, 6mm
7382-2S	18 pairs/set, including all above 3-wires	

CARBIDE 3-WIRES

CUSTOMIZABLE PIN GAGE DIAMETER Ød

INSPECTION CERTIFICATE



7394-76A

- When $\text{Ød} \leq 0.3\text{mm}$, length $L = 25\text{mm}$;
- When $\text{Ød} > 0.3\text{mm}$, length $L = 45\text{mm}$
- Made of carbide
- Hardness HRA90
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Roundness: $0.5\mu\text{m}$
- Cylindricity: $1\mu\text{m}$
- 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

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

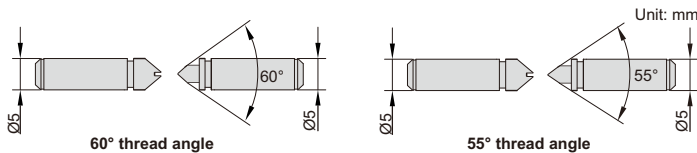
60° thread angle (mm)

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 (mm)

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	$\pm 8\mu\text{m}$

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

SCREW THREAD MICROMETERS

NON-ROTATING SPINDLE

5

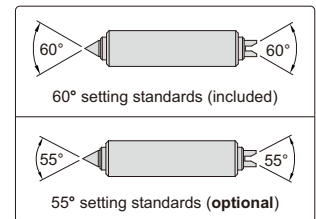
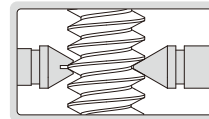


3281-25A
(measuring tips are optional)



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)

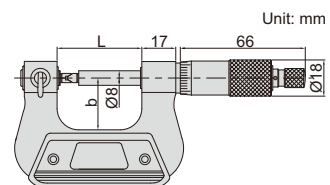
Code	Range	L	b	55° setting standard (optional)
3281-25A	0-25mm	42	26	-
3281-50A	25-50mm	67	38	3281-SP1
3281-75A	50-75mm	92	50	3281-SP2
3281-100A	75-100mm	117.6	62	3281-SP3
3281-125A	100-125mm	143	70	3281-SP4
3281-150A	125-150mm	168.2	82	3281-SP5
3281-175A	150-175mm	192	94.5	3281-SP6
3281-200A	175-200mm	217	107	3281-SP7

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)	-
3281-S50	25-50mm	67	38	0.4-0.5mm/64-48TPI,	3281-SP1
3281-S75	50-75mm	92	50	0.6-0.9mm/44-28TPI,	3281-SP2
3281-S100	75-100mm	117.6	62	1-1.75mm/24-14TPI,	3281-SP3
3281-S125	100-125mm	143	70	2-3mm/13-9TPI,	3281-SP4
3281-S150	125-150mm	168.2	82	3.5-5mm/8-5TPI,	3281-SP5
3281-S175	150-175mm	192	94.5	5.5-7mm/4.5-3.5TPI	3281-SP6
3281-S200	175-200mm	217	107		3281-SP7

accuracy of micrometers with tips (mm)

Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
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
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028



DATA
OUTPUT

NON-ROTATING
SPINDLE

DIGITAL SCREW THREAD MICROMETERS

5

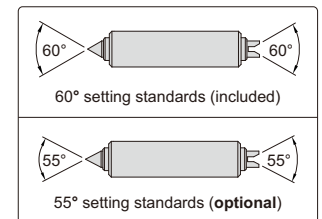
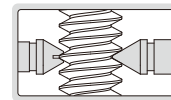


3581-25A
(measuring tips are optional)



3581-S50
(measuring tips are included)

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- 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 **7315-30**, **7302-30**)



Measuring tips are optional (mm)

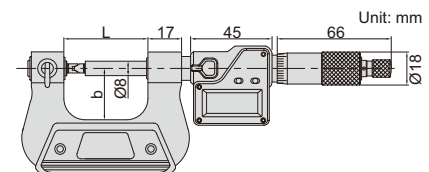
Code	Range	L	b	55° setting standard (optional)
3581-25A	0-25mm/0-1"	42	26	—
3581-50A	25-50mm/1-2"	67	38	3281-SP1
3581-75A	50-75mm/2-3"	92	50	3281-SP2
3581-100A	75-100mm/3-4"	117.6	62	3281-SP3
3581-125A	100-125mm/4-5"	143	70	3281-SP4
3581-150A	125-150mm/5-6"	168.2	82	3281-SP5
3581-175A	150-175mm/6-7"	192	94.5	3281-SP6
3581-200A	175-200mm/7-8"	217	107	3281-SP7

Measuring tips are included (mm)

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

accuracy of micrometers with tips (mm)

Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
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
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028



GEAR TOOTH MICROMETERS

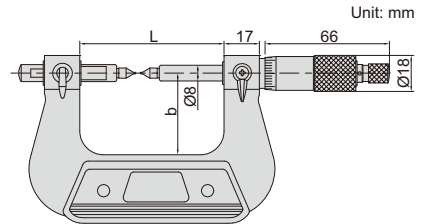
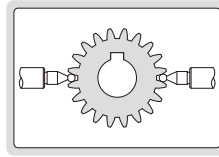
- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)

5

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



3291-25



DIGITAL GEAR TOOTH MICROMETERS

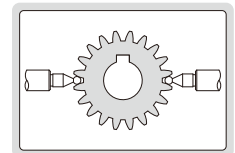
IP65
WATERPROOF

DATA
OUTPUT

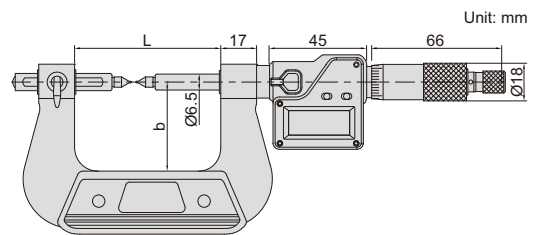
- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391), data output cable (code 7315-30, 7302-30)



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 FOR GEAR TOOTH MICROMETERS

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

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



7391-T5



POINT MICROMETERS

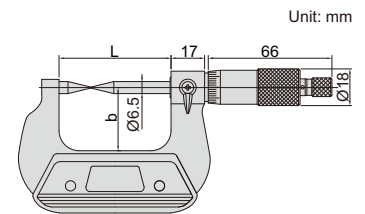
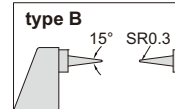
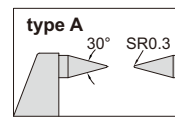
- Measure the web thickness of drills, small grooves and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



3230-25A

(mm)

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



DATA
OUTPUT

IP65
WATERPROOF

DIGITAL POINT MICROMETERS

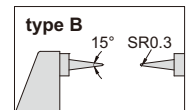
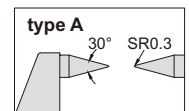
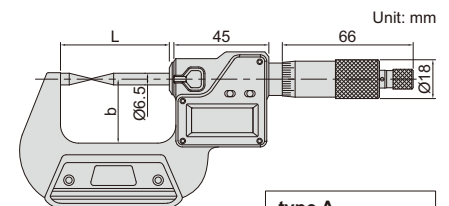
- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)



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

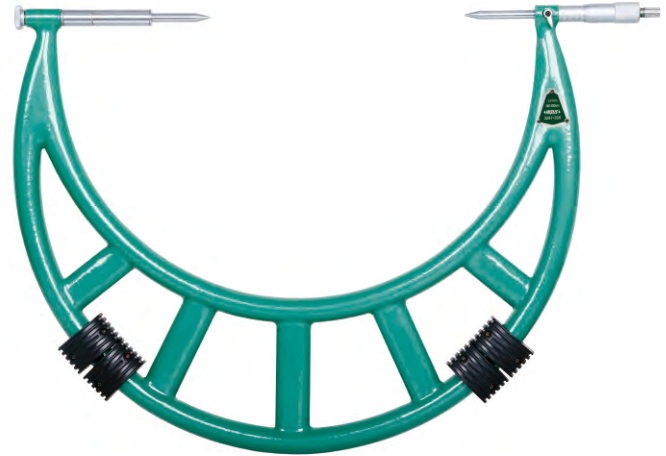


GEAR ROOT DIAMETER MICROMETERS

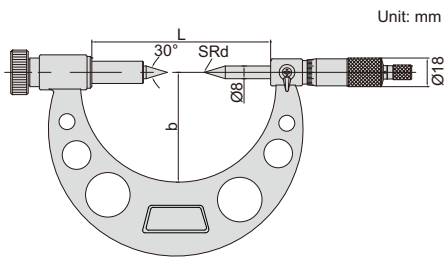
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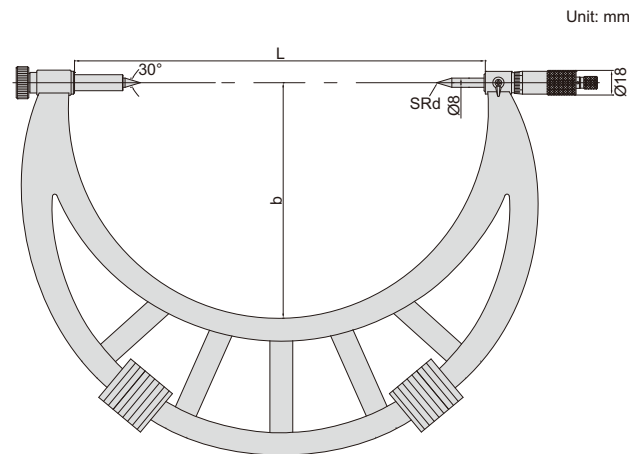
3297-100



3297-300



type A



type B

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

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



HIGH PRECISION DIGITAL POINT MICROMETERS/SNAP GAGES



ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

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

IP65
WATERPROOF

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

NON-ROTATING SPINDLE

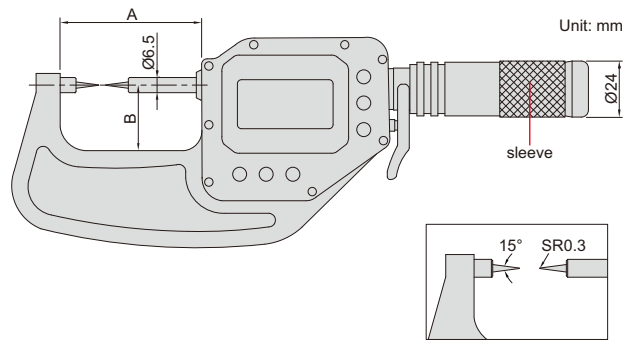
ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

DATA OUTPUT



3354-25

- 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



With data interface

Optional accessory:

wireless transmitter, code 7315-3350, wireless receiver, code 7315-2, 7315-3

data output cable (keyboard format), code 7302-3350

data output cable (serial port format), code 7305-G60

(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

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:

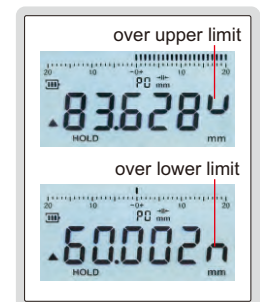
wireless receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1

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

warning when over tolerance



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



BLADE MICROMETERS

NON-ROTATING SPINDLE

5

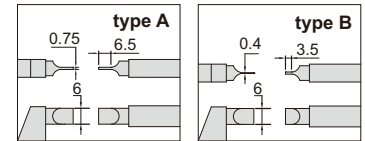
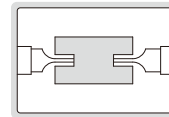
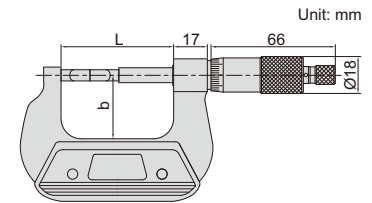
- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3232-25A

Code	Range	Type	Accuracy	L	b
3232-25A	0-25mm	A	4μm	57	32
3232-50A	25-50mm	A	4μm	82	44.5
3232-75A	50-75mm	A	5μm	107	57
3232-100A	75-100mm	A	5μm	132.6	69.5
3232-125A	100-125mm	A	6μm	158	82
3232-150A	125-150mm	A	6μm	183.4	94.5
3232-175A	150-175mm	A	7μm	208.8	107
3232-25BA	0-25mm	B	4μm	57	32
3232-50BA	25-50mm	B	4μm	82	44.5
3232-75BA	50-75mm	B	5μm	107	57
3232-100BA	75-100mm	B	5μm	132.6	69.5
3232-125BA	100-125mm	B	6μm	158	82
3232-150BA	125-150mm	B	6μm	183.4	94.5
3232-175BA	150-175mm	B	7μm	208.8	107

(mm)



DIGITAL BLADE MICROMETERS

DATA OUTPUT

NON-ROTATING SPINDLE

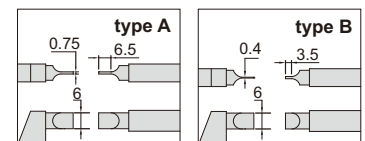
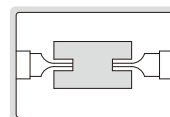
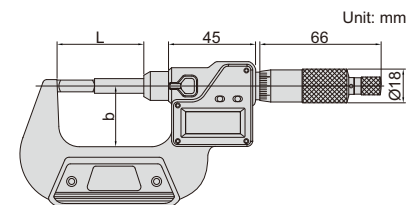
- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)



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

(mm)



MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

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

IP65
WATERPROOF

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

NON-ROTATING SPINDLE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

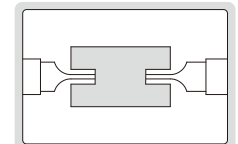
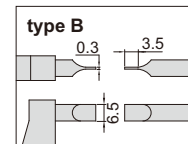
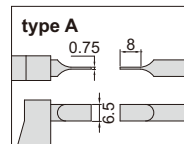
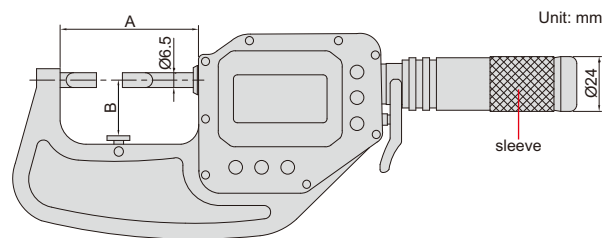
DATA OUTPUT



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**, wireless receiver, code **7315-2**, **7315-3**
data output cable (keyboard format), code **7302-3350**
data output cable (serial port format), code **7305-G60**
(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

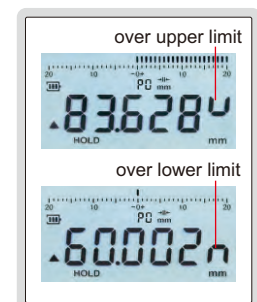
Code	Range	Type	Accuracy	Repeatability	A	B
3352-25A*	0-25mm/0-1"	A	2µm	1µm	63mm	25mm
3352-50A*	25-50mm/1-2"	A	2µm	1µm	88mm	42mm
3352-75A*	50-75mm/2-3"	A	2µm	1µm	113mm	56mm
3352-25B*	0-25mm/0-1"	B	2µm	1µm	63mm	25mm
3352-50B*	25-50mm/1-2"	B	2µm	1µm	88mm	42mm
3352-75B*	50-75mm/2-3"	B	2µm	1µm	113mm	56mm

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

warning when over tolerance



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

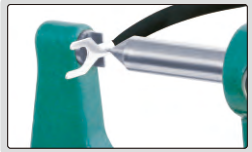


*Supplied with manufacturer inspection certificate

CRIMP HEIGHT MICROMETERS

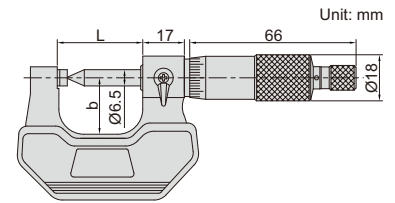
RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)

5



3266-25BA

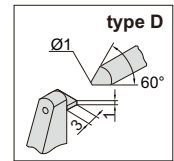
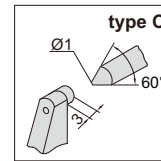
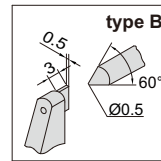
- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



Unit: mm

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

(mm)



DIGITAL CRIMP HEIGHT MICROMETERS

IP65 WATERPROOF

DATA OUTPUT

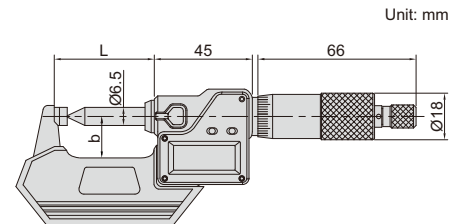
RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)



3566-25BA



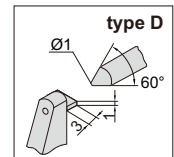
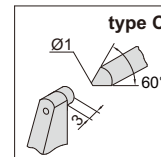
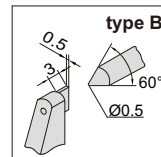
- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)



Unit: mm

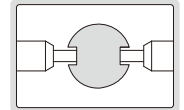
Code	Range	Type	Accuracy	L	b
3566-25BA	0-25mm/0-1"	B	±4µm	34.5	25
3566-25CA	0-25mm/0-1"	C	±4µm	34.5	25
3566-50CA	25-50mm/0-1"	C	±4µm	59.5	32
3566-75CA	50-75mm/0-1"	C	±5µm	84.5	44.5
3566-100CA	75-100mm/0-1"	C	±5µm	109.5	57
3566-25DA	0-25mm/0-1"	D	±4µm	34.5	25

(mm)



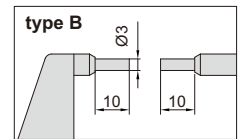
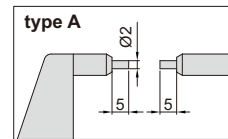
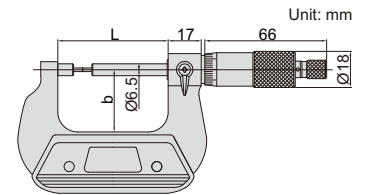
SPLINE MICROMETERS

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



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

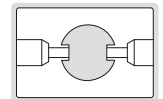


IP65
WATERPROOF

DATA
OUTPUT

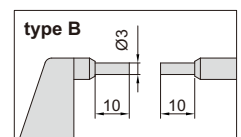
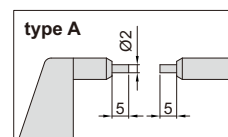
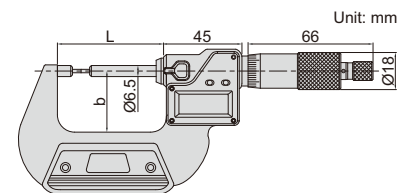
DIGITAL SPLINE MICROMETERS

- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- 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 7315-30, 7302-30)



3533-25BA

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

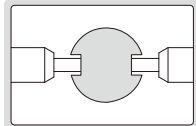
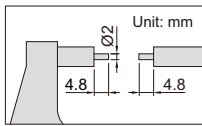
IP65 WATERPROOF

INSPECTION CERTIFICATE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

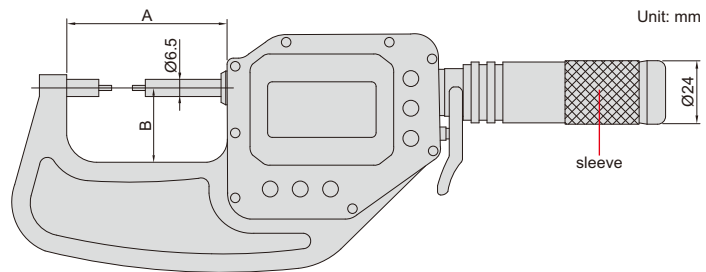
DATA OUTPUT

5



3356-25

- 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



With data interface

Optional accessory:

wireless transmitter, code 7315-3350, wireless receiver, code 7315-2, 7315-3

data output cable (keyboard format), code 7302-3350

data output cable (serial port format), code 7305-G60

(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

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

Built-in wireless

Optional accessory:

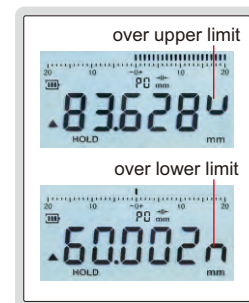
wireless receiver (keyboard format, connect up to 15 digital indicators), code 2134-R1

wireless receiver (serial port format, connect up to 15 digital indicators), code 2134-R2

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

* Supplied with manufacturer inspection certificate

warning when over tolerance



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

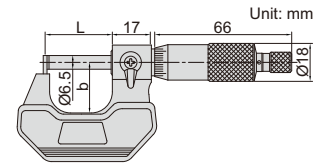
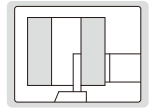


CYLINDRICAL ANVIL TUBE MICROMETERS

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

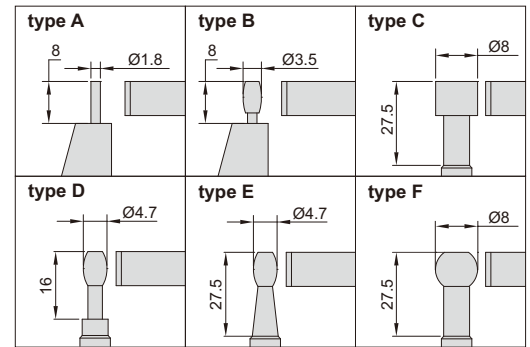


3261-25A



5

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

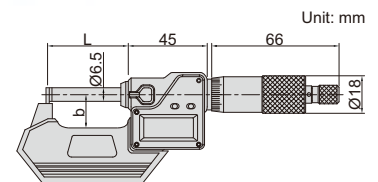
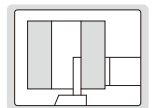
DATA
OUTPUT

DIGITAL CYLINDRICAL ANVIL TUBE MICROMETERS

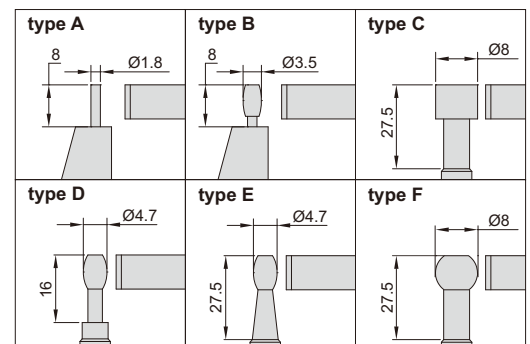
- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable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



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

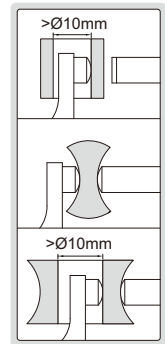
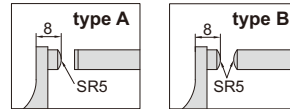
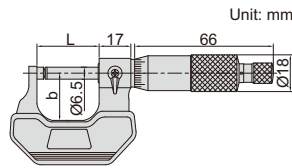
5

- 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

						(mm)	
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		



DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

IP65
WATERPROOF

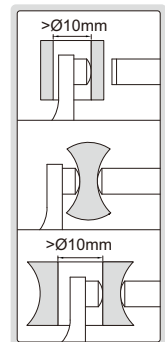
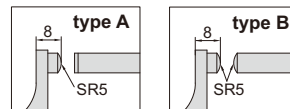
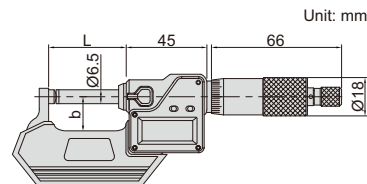
DATA
OUTPUT

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- 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 7315-30, 7302-30)



3560-25A

							(mm)	
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			



HIGH PRECISION DIGITAL SPHERICAL ANVIL TUBE MICROMETERS/SNAP GAGES

IP65
WATERPROOF

NON-ROTATING
SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

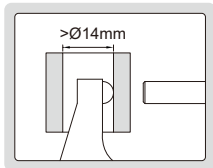
ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED,
PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

INSPECTION
CERTIFICATE

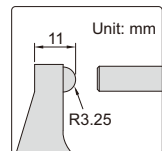
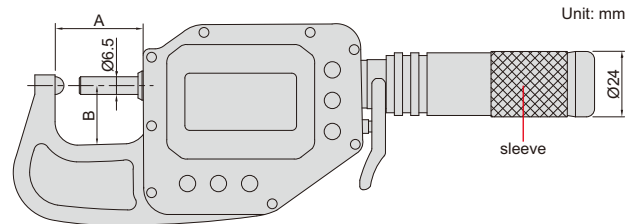
ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

DATA
OUTPUT



3355-25

- 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**, wireless receiver, code **7315-2**, **7315-3**
data output cable (keyboard format), code **7302-3350**
data output cable (serial port format), code **7305-G60**
(cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

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

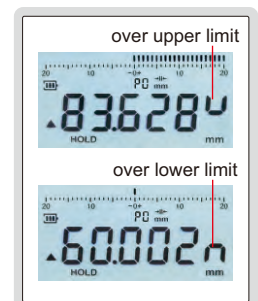
Built-in wireless

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

* Supplied with manufacturer inspection certificate

warning when
over tolerance



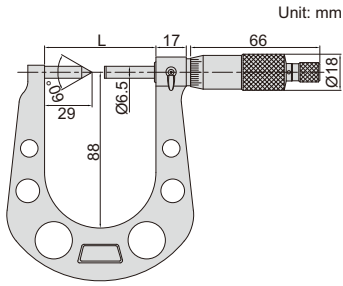
wireless receiver
2134-R1, 2134-R2 (optional)



DISK BRAKE MICROMETERS

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

5



3288-33A

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

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



DIGITAL DISK BRAKE MICROMETERS

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

IP65
WATERPROOF

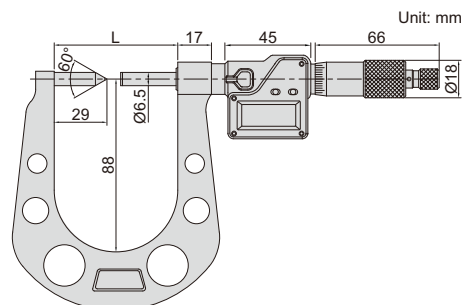
DATA
OUTPUT



3588-33A

- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)

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



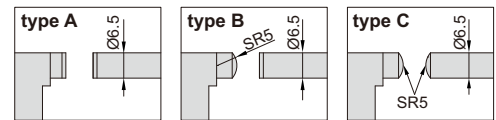
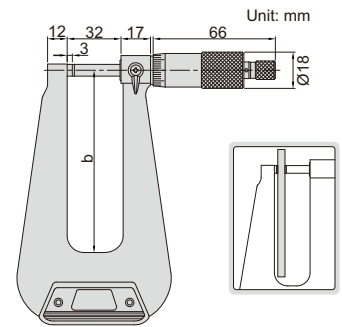
SHEET METAL MICROMETERS

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

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



3239-253



5

DATA OUTPUT

IP65 WATERPROOF

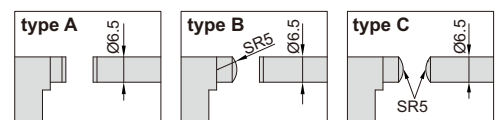
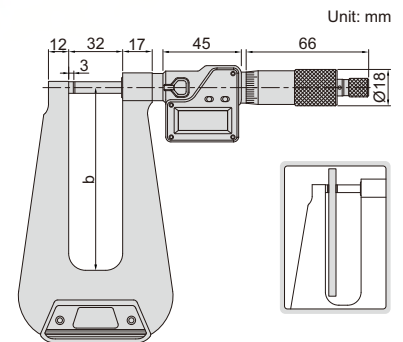
DIGITAL SHEET METAL MICROMETERS

- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-30, 7302-30)

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



3539-253A

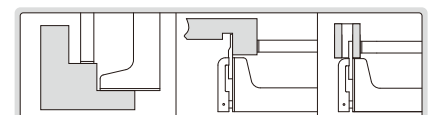
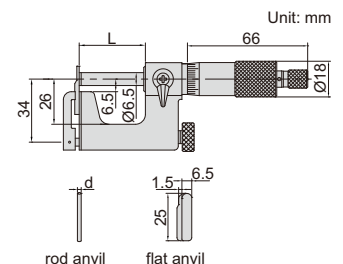


INTERCHANGEABLE ANVIL MICROMETERS

- 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



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

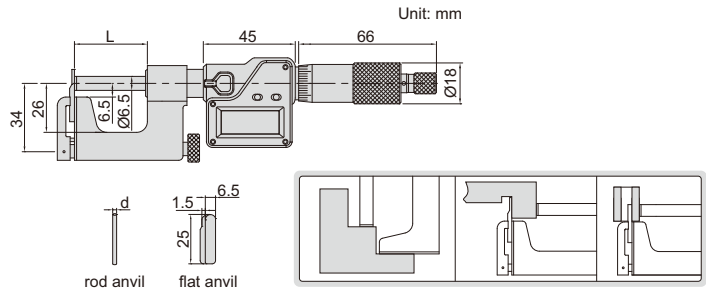
IP65 WATERPROOF

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, ABS/INC
- 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 7315-30, 7302-30)

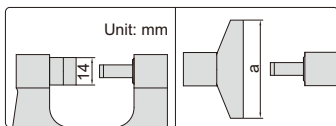


3562-25A

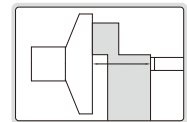


Code	Range	Accuracy	L	d
3562-25A	0-25mm/0-1"	±4µm	28.5mm	Ø3mm
3562-50A	25-50mm/1-2"	±4µm	53.5mm	Ø5mm

LARGE ANVIL MICROMETERS

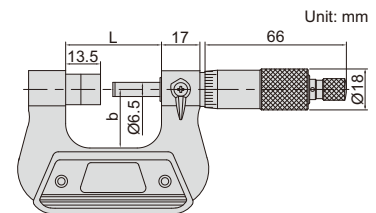


3234-25A



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

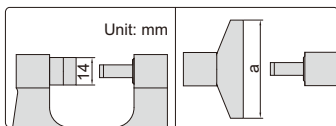
Code	Range	Accuracy	L	a	b
3234-25A	0-25mm	4µm	42mm	50mm	26mm
3234-50A	25-50mm	4µm	67mm	60mm	38mm



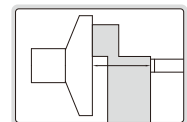
DIGITAL LARGE ANVIL MICROMETERS

DATA OUTPUT

IP65 WATERPROOF

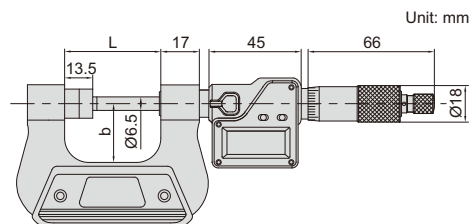


3534-25A



- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

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

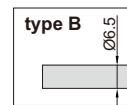
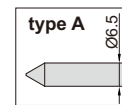
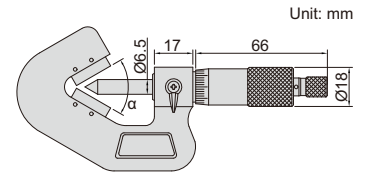


V-ANVIL MICROMETERS



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



5

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

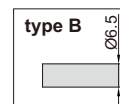
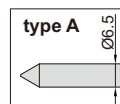
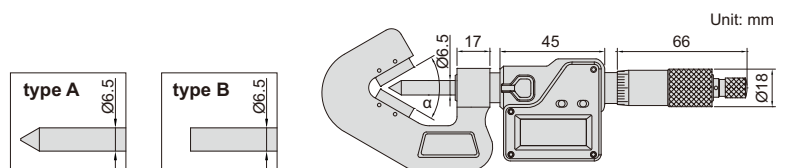
DATA
OUTPUT

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, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



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

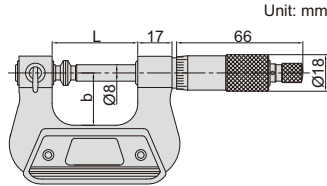
5



3280-25A

NON-ROTATING SPINDLE

- 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)



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

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	

DIGITAL UNIVERSAL MICROMETERS

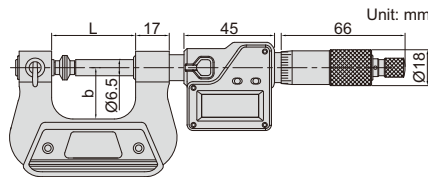
DATA OUTPUT

NON-ROTATING SPINDLE



3580-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- 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 7315-30, 7302-30)



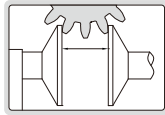
Code	Range	Accuracy	L	b
3580-25A	0-25mm/0-1"	±4µm	42	26
3580-50A	25-50mm/1-2"	±4µm	67	38
3580-75A	50-75mm/2-3"	±5µm	92	50
3580-100A	75-100mm/3-4"	±5µm	118	62
3580-125A	100-125mm/4-5"	±6µm	143	70
3580-150A	125-150mm/5-6"	±6µm	168	82
3580-175A	150-175mm/6-7"	±7µm	192	95
3580-200A	175-200mm/7-8"	±7µm	217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

DISK MICROMETERS

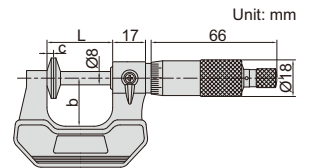
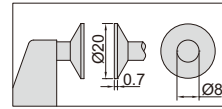
- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



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

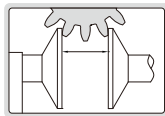


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NON-ROTATING SPINDLE

NON-ROTATING SPINDLE DISK MICROMETERS

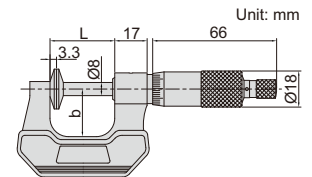
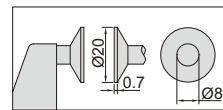
- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards



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

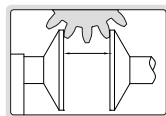


DATA OUTPUT

NON-ROTATING SPINDLE

DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS

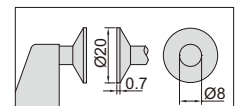
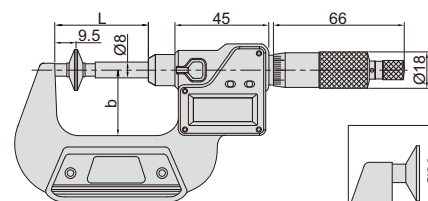
- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



3594-25A

Unit: mm

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



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

DATA OUTPUT

IP65 WATERPROOF

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

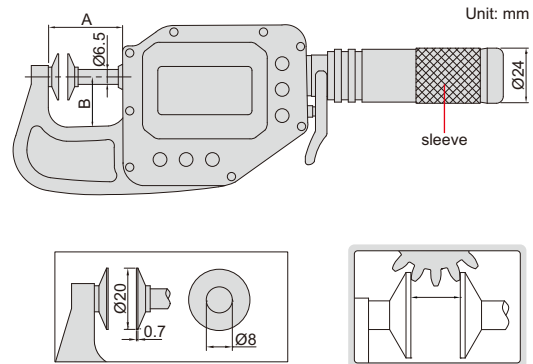
NON-ROTATING SPINDLE

5



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, wireless receiver, code 7315-2, 7315-3
 data output cable (keyboard format), code 7302-3350
 data output cable (serial port format), code 7305-G60
 (cable length 3m, optional cable length maximum 15m; RS232 protocol, optional RS485 protocol)

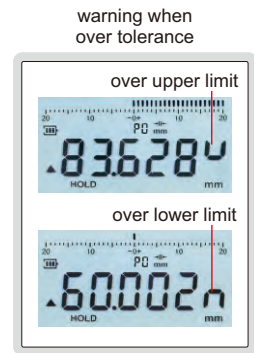
Code	Range	Accuracy	Repeatability	Parallelism	A	B
3353-25 *	0-25mm/0-1"	4µm	1µm	4µm	38mm	24mm
3353-50 *	25-50mm/1-2"	4µm	1µm	4µm	63mm	25mm
3353-75 *	50-75mm/2-3"	5µm	1µm	5µm	88mm	42mm
3353-100 *	75-100mm/3-3.95"	5µm	1µm	5µm	113mm	56mm

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

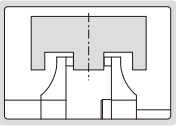
*Supplied with manufacturer inspection certificate



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

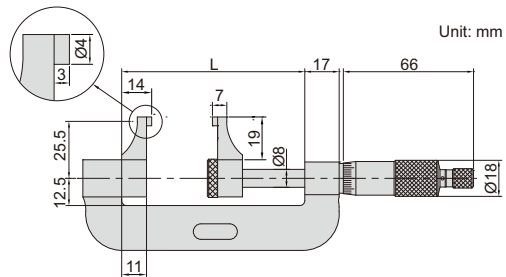


CALIPER TYPE MICROMETERS



3238-25

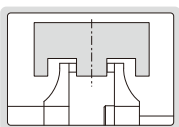
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



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

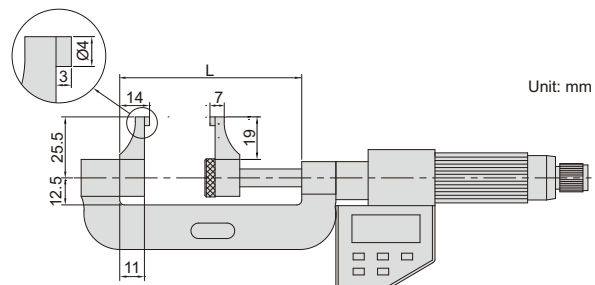
DATA OUTPUT

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")
- Optional accessory: data output cable (code 7315-30, 7302-30)



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

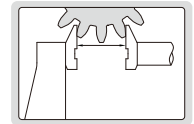
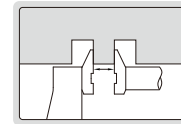
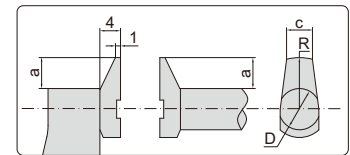
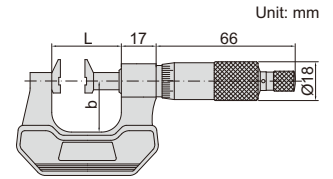
5



3283-25A

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

Code	Range	Accuracy	L	a	b	c	R	D	(mm)
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	



DIGITAL JAW TYPE MICROMETERS

DATA OUTPUT

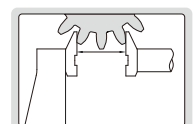
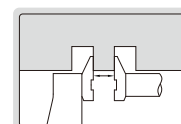
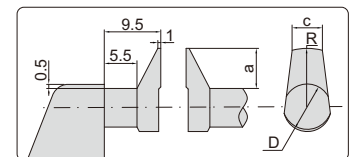
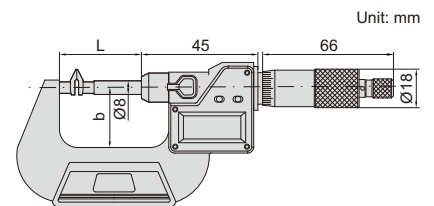
NON-ROTATING SPINDLE



3583-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

Code	Range	Accuracy	L	a	b	c	R	D	(mm)
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	



SHEET METAL MICROMETERS

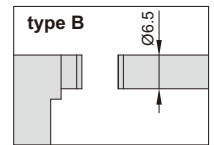
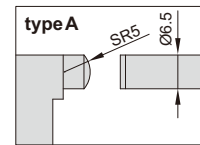
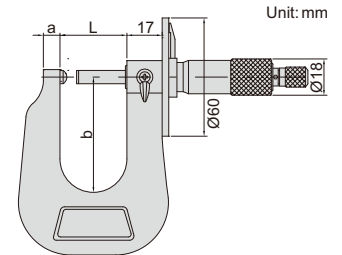
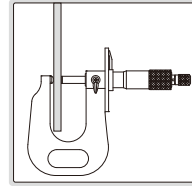
- Meet DIN863-3
- Measure thickness of sheet metal, paper, plastic and rubber parts
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3263-25A

(mm)

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



5

MICROMETERS FOR HOT PLATE

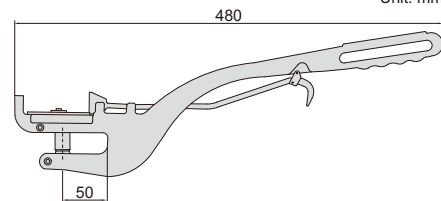
- Measure thickness of hot rolling sheet metal
- Carbide measuring faces
- Supplied with setting standard (except 0-15mm)



3264-15

Unit: mm

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

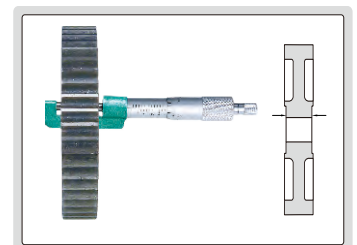
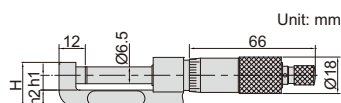
- Meet DIN863-3
- Measure hub thickness and shoulder inside a bore
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3292-25

(mm)

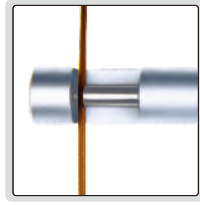
Code	Range	Accuracy	h1	h2	H
3292-25	0-25mm	4μm	6	9	18.7
3292-50	25-50mm	4μm	6.5	11	21.2
3292-75	50-75mm	5μm	6.5	11	21.2
3292-100	75-100mm	5μm	6.5	11	21.2



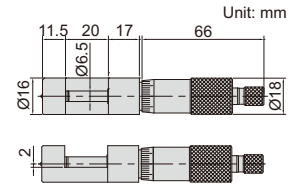
WIRE MICROMETER

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

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



3285-10



5

CAN SEAM MICROMETERS



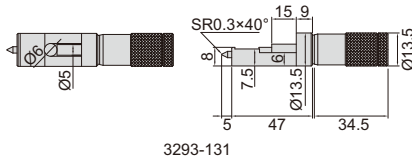
3293-131



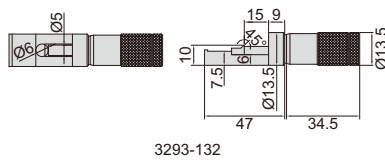
3293-132



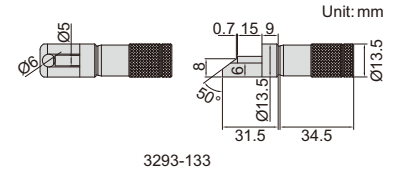
3293-133



3293-131



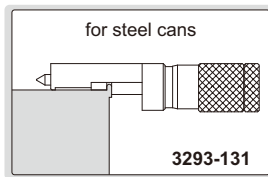
3293-132



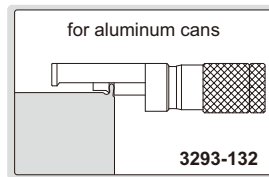
3293-133

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

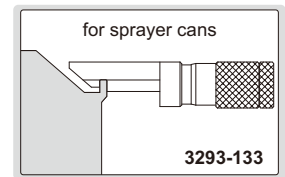
Code	Range	Accuracy
3293-131	0-13mm	4µm
3293-132	0-13mm	4µm
3293-133	0-13mm	4µm



3293-131



3293-132



3293-133

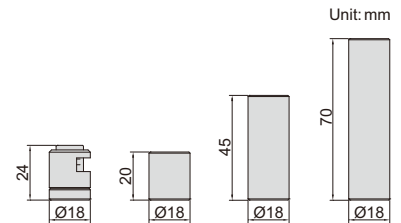
MICROMETER MEASURING FORCE DETECTOR

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

Code	Measuring force
6315	5-12N



6315



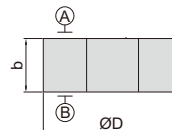
OPTICAL PARALLELS

- 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

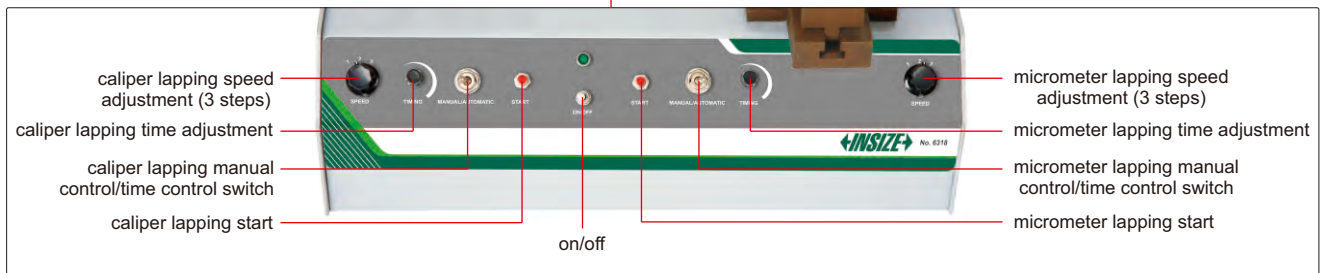
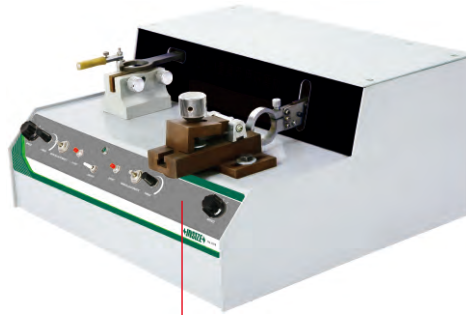
Code	Parallels included (b)	ØD	Applicable micrometer
4184-41A	15.62mm, 15.75mm, 15.87mm, 16.00mm	30mm	0-25mm
4184-42A	40.62mm, 40.75mm, 40.87mm, 41.00mm	30mm	25-50mm
4184-43B	65.62mm, 65.75mm, 65.87mm, 66.00mm	40mm	50-75mm
4184-44B	90.62mm, 90.75mm, 90.87mm, 91.00mm	50mm	75-100mm





CALIPER/MICROMETER LAPPING MACHINE CODE 6318

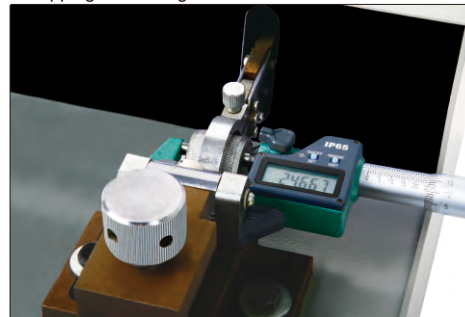
5



lapping measuring surfaces of caliper lower jaws



lapping measuring surfaces of outside micrometer



- For lapping measuring surfaces of caliper lower jaws and outside micrometer
- Suitable for 0-300mm range calipers and 0-100mm range outside micrometers

caliper lapping block (included)



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



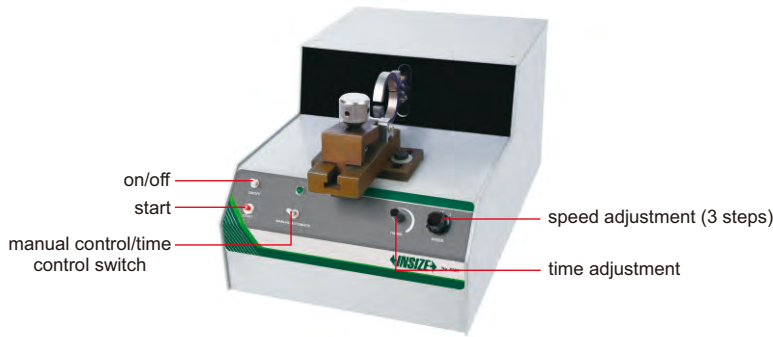
SPECIFICATION

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**



lapping blocks (code: 6307-1, optional)



- Used for lapping micrometer measuring surfaces
- Suitable for 0~100mm outside micrometers

SPECIFICATION

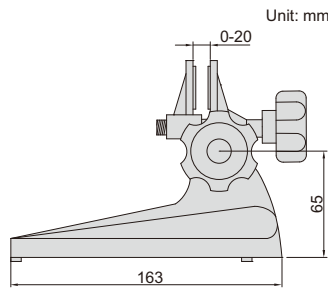
Power supply	220V, 50/60HZ
Dimension (L×W×H)	450×260×220mm
Weight	30kg

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 STAND

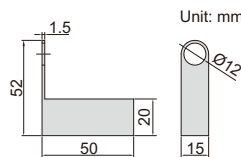
- Suitable for outside micrometers up to 100mm



6301

Code
6301

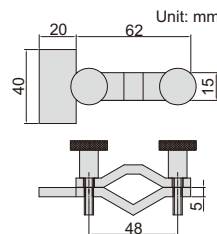
- Suitable for inside micrometers



6301-1

Code	Description	Applicable products
6301-1	clamp for inside micrometers	all sizes of 3220 series

- Suitable for three points internal micrometers



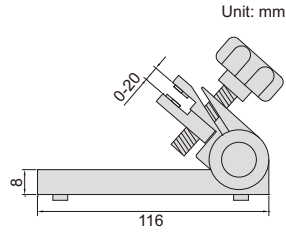
6301-2

Code	Description	Applicable products
6301-2	clamp for three points internal micrometers	up to 100mm of 3127 and 3227 series

MICROMETER STAND

- Suitable for outside micrometers up to 100mm

Code
6300



6300



MICROMETER SETTING STANDARDS

5



6310-100

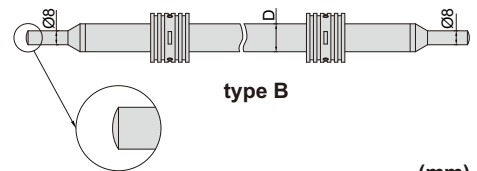


type A



6310-300

Unit: mm



type B

(mm)

Code	Length	Type	Accuracy	D
6310-25	25	A	±1.5µm	Ø7
6310-50	50	A	±2µm	Ø7
6310-75	75	A	±2.5µm	Ø7
6310-100	100	A	±3µm	Ø8
6310-125	125	A	±3.5µm	Ø8
6310-150	150	A	±4µm	Ø8
6310-175	175	A	±4.5µm	Ø8
6310-200	200	A	±5µm	Ø8
6310-225	225	A	±5.5µm	Ø8
6310-250	250	A	±6µm	Ø8
6310-275	275	A	±6.5µm	Ø8
6310-300	300	B	±7µm	Ø16
6310-325	325	B	±7.5µm	Ø16
6310-350	350	B	±8µm	Ø16
6310-375	375	B	±8.5µm	Ø16

Code	Length	Type	Accuracy	D
6310-400	400	B	±9µm	Ø16
6310-425	425	B	±9.5µm	Ø16
6310-450	450	B	±10µm	Ø16
6310-475	475	B	±10.5µm	Ø16
6310-500	500	B	±11µm	Ø16
6310-525	525	B	±11.5µm	Ø16
6310-575	575	B	±12.5µm	Ø16
6310-625	625	B	±13.5µm	Ø16
6310-675	675	B	±14.5µm	Ø16
6310-725	725	B	±15.5µm	Ø16
6310-775	775	B	±16.5µm	Ø16
6310-825	825	B	±17.5µm	Ø16
6310-875	875	B	±18.5µm	Ø16
6310-925	925	B	±19.5µm	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

DIGITAL MICROMETER HEADS

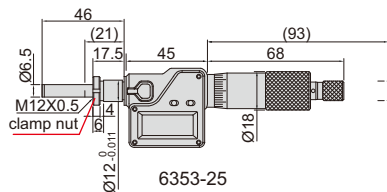
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7315-30, 7302-30)



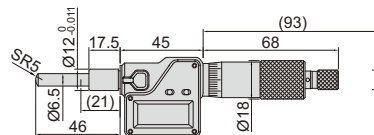
6353-25W

IP65
WATERPROOF

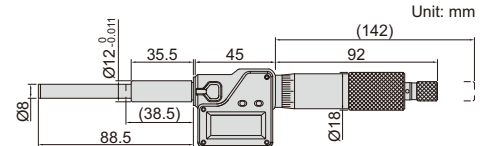
DATA
OUTPUT



6353-25



6353-25WS

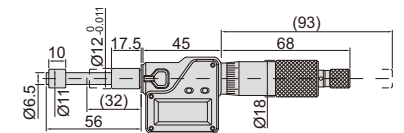


6353-50W

Unit: mm

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



6354-25W

Non-rotating spindle

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

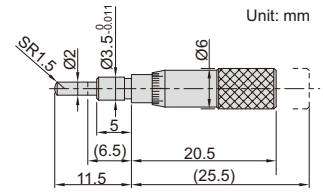
SMALL MICROMETER HEAD

- Graduation 0.02mm

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



6372-5WS



5

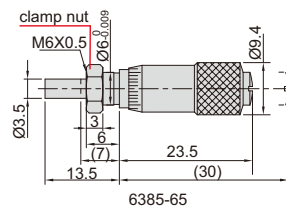
SMALL MICROMETER HEADS

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

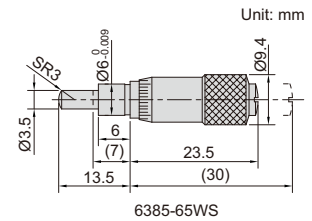


6385-65W

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

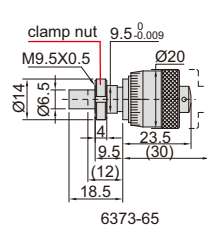


6385-65WS

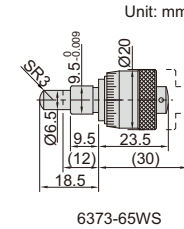
LARGE THIMBLE MICROMETER HEADS

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

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



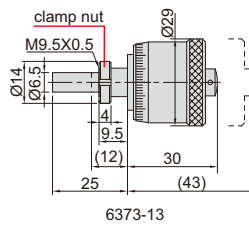
6373-65



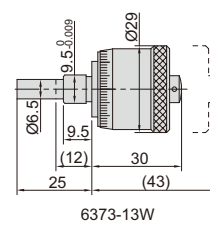
6373-65WS



6373-65



6373-13



6373-13W

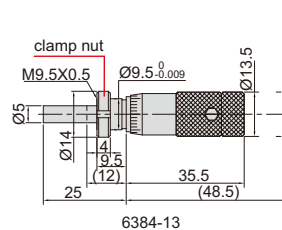


6373-13

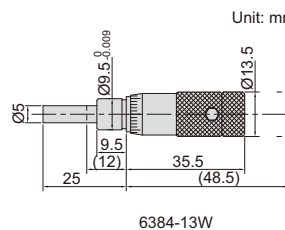
MICROMETER HEADS WITH ZERO ADJUSTABLE THIMBLE

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

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



6384-13

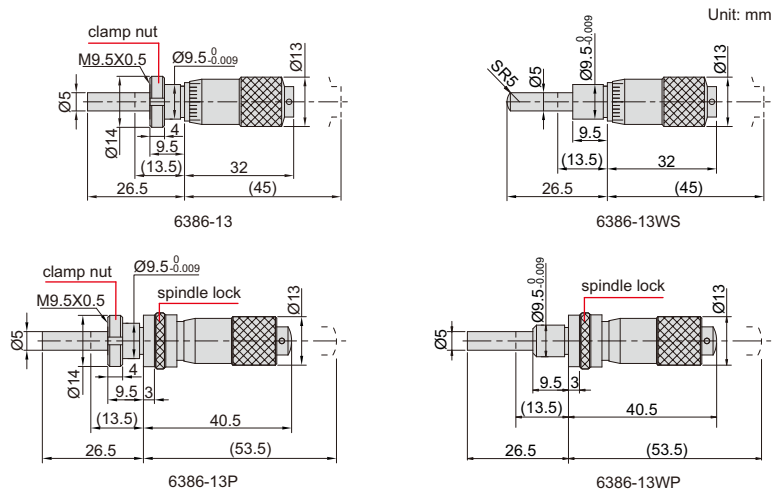


6384-13W



6384-13W

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

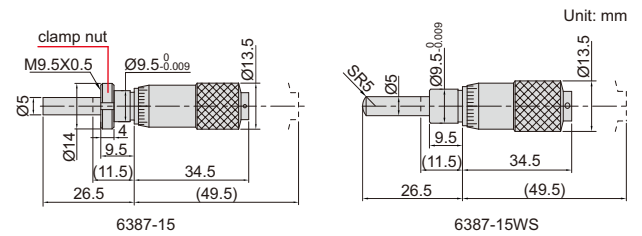
- Meet DIN863-2
- Graduation 0.01mm

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

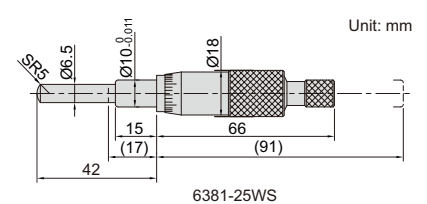
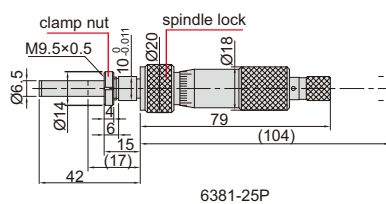
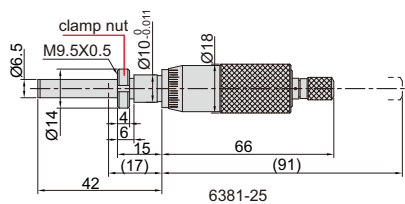
- Meet DIN863-2
- Graduation 0.01mm
- Ratchet stop



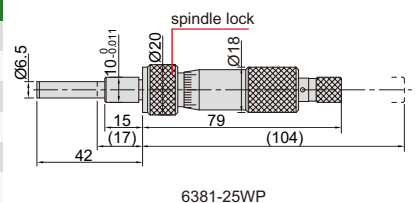
6381-25



6381-25P



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

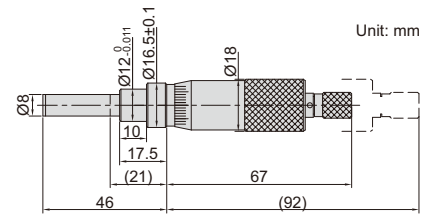


NON-ROTATING SPINDLE MICROMETER HEAD

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



6377-25W



Unit: mm

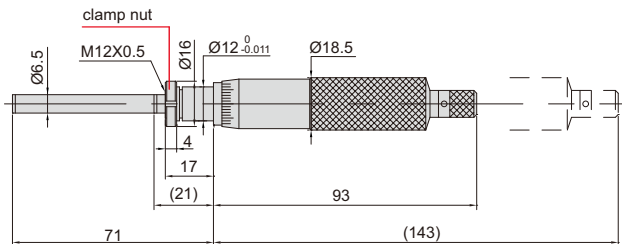
5

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

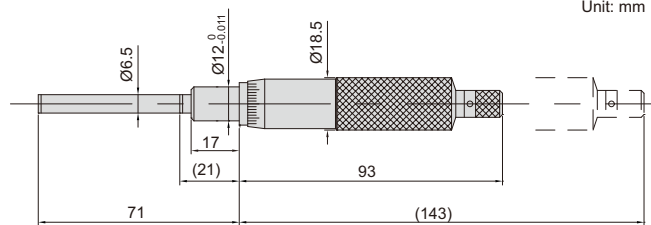
LARGE MICROMETER HEADS



6388-50AW



6388-50A



6388-50AW

Unit: mm

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

- Graduation 0.01mm
- Ratchet stop

QUICK SPINDLE FEEDING MICROMETER HEADS



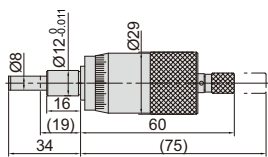
6375-15W



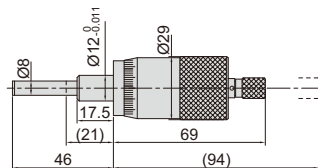
6375-25W



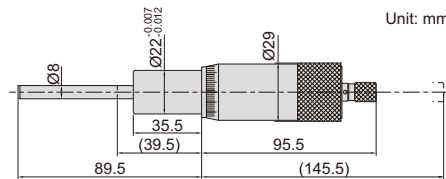
6375-50W



6375-15W



6375-25W



6375-50W

Unit: mm

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

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