

# HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES

NON-ROTATING SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

IP65 WATERPROOF

DATA OUTPUT



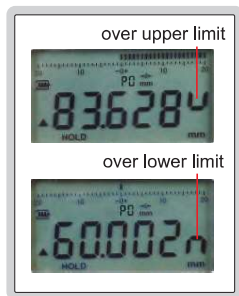
ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

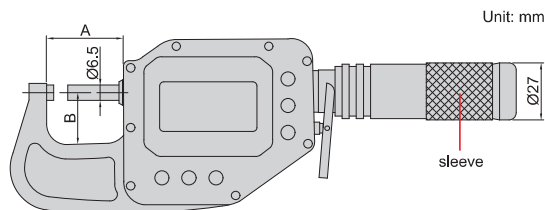
5

warning when over tolerance



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
- Power: rechargeable battery, for 24 hours continuous working



### With data interface

Optional accessory:

wireless transmitter, code **7315-60**, wireless receiver, code **7315-2**, **7315-3**

data output cable (keyboard format), code **7302-60**

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		
<b>3350-25 *</b>	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38mm	24mm
<b>3350-50 *</b>	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63mm	28mm
<b>3350-75 *</b>	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88mm	45mm
<b>3350-100 *</b>	75-100mm/3-4"	2µm	1µm	0.5µm	1µm	113mm	57mm

### Built-in wireless

Optional accessory:

wireless receiver (keyboard format), code **2134-R1**

wireless receiver (serial port format), code **2134-R2**

Code	Range	Accuracy	Repeatability	Measuring faces		A	B
				Flatness	Parallelism		
<b>3350-25WL *</b>	0-25mm/0-1"	1.4µm	0.6µm	0.5µm	1µm	38mm	24mm
<b>3350-50WL *</b>	25-50mm/1-2"	1.6µm	1µm	0.5µm	1µm	63mm	28mm
<b>3350-75WL *</b>	50-75mm/2-3"	1.8µm	1µm	0.5µm	1µm	88mm	45mm
<b>3350-100WL *</b>	75-100mm/3-4"	2µm	1µm	0.5µm	1µm	113mm	57mm

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



\* Supplied with manufacturer inspection certificate

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

**ATTENTION: SETTING STANDARDS ARE NOT INCLUDED**

**DATA OUTPUT**

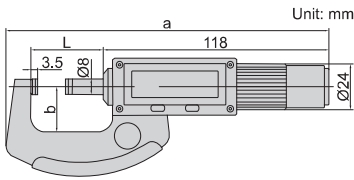
**STROKE 30mm**

**IP65 WATERPROOF**

**NON-ROTATING SPINDLE**

## HIGH PRECISION NON-ROTATING SPINDLE DIGITAL MICROMETERS

**INSIZE PLUS**  
MADE IN EUROPE



3661-30

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

- 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 7305-A03, 7305-SPC4)

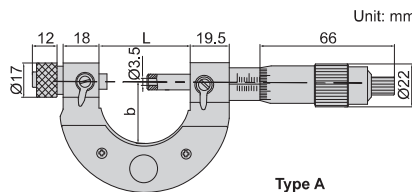
**INSPECTION CERTIFICATE**  
TRACEABLE TO DKD

## EXTERNAL SCREW THREAD MICROMETERS

**INSIZE PLUS**  
MADE IN EUROPE

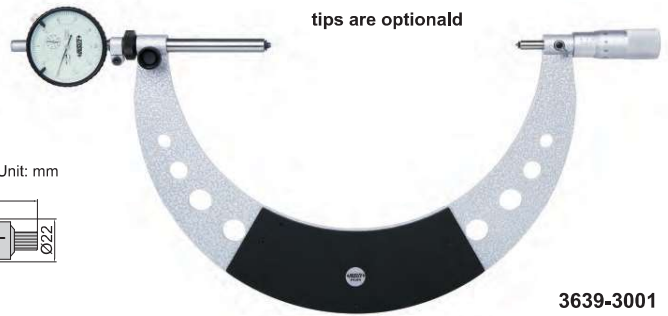


3639-25



Type A

dial indicator is optional

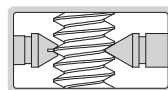


3639-3001

- Meet DIN863-3
- Measure pitch diameter of screw thread
- Graduation 0.01mm
- Optional accessory: measuring tips and setting standards for external screw thread micrometer (code 7384), dial indicators or digital indicators (reading 0.01mm or 0.001mm) (only for type B)

### Type A (ratchet thimble)

Code	Range	Accuracy	L	b
3639-25*	0-25mm	4µm	45mm	31mm
3639-50*	25-50mm	4µm	70mm	35mm
3639-75*	50-75mm	5µm	95mm	48.5mm
3639-100*	75-100mm	5µm	120mm	60mm
3639-125*	100-125mm	6µm	145mm	72.5mm
3639-150*	125-150mm	6µm	170mm	80mm
3639-175*	150-175mm	7µm	195mm	97.5mm
3639-200*	175-200mm	7µm	220mm	110mm
3639-225*	200-225mm	8µm	245mm	122mm



### Type B (without ratchet thimble)

Code	Range	Anvil retracting range	L	b
3639-2001*	100-200mm	3mm	217mm	109mm
3639-3001*	200-300mm	3mm	317mm	159mm
3639-4001*	300-400mm	3mm	417mm	209mm

\* Supplied with manufacturer inspection certificate traceable to DKD Germany

## MEASURING TIPS FOR EXTERNAL SCREW THREAD MICROMETERS

**INSIZE PLUS**  
MADE IN EUROPE

TIPS FOR TRAPEZOIDAL, ACME  
THREAD ARE ALSO AVAILABLE

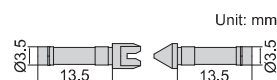
ATTENTION: WHEN PITCH <0.4MM OR >63.5 TPI,  
SETTING STANDARDS CANNOT BE USED TO SET ZERO,  
A CALIBRATED WORK PIECE CAN BE USED INSTEAD

5

- Supplied in pair
- Made of hardened steel
- Suitable for 3639 series micrometers



7384-T108



### 60° thread angle

Code	Applicable pitch (mm)
7384-T101	0.2
7384-T102	0.225
7384-T103	0.25
7384-T104	0.3
7384-T105	0.35
7384-T106	0.4/0.45
7384-T107	0.5/0.6
7384-T108	0.7/0.75/0.8
7384-T109	1/1.25
7384-T110	1.5/1.75
7384-T111	2.0/2.5
7384-T112	3.0/3.5
7384-T113	4.0/4.5/5.0
7384-T114	5.5/6.0

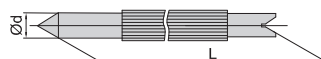
### 55° thread angle

Code	Applicable pitch (TPI)
7384-T201	80
7384-T202	72/64
7384-T203	60/48
7384-T204	40/32
7384-T205	28/26/24/22
7384-T206	20/19/18/16
7384-T207	14/12/11
7384-T208	10/9/8
7384-T209	7/6
7384-T210	5/4.5/4
7384-T211	3.5/3.25/3/2.875/2.75
7384-T212	2.625/2.5/2

## SETTING STANDARDS FOR EXTERNAL SCREW THREAD MICROMETERS



7384-A100



### 60° thread angle

Code	L	Ød	Accuracy (mm)
7384-A25	25	7.8	±1.5µm
7384-A50	50	7.8	±2µm
7384-A75	75	7.8	±2.5µm
7384-A100	100	7.8	±3µm
7384-A125	125	7.8	±3.5µm
7384-A150	150	7.8	±4µm
7384-A175	175	7.8	±4.5µm
7384-A200	200	7.8	±5µm
7384-A225	225	10	±5.5µm
7384-A250	250	10	±6µm
7384-A275	275	10	±6.5µm
7384-A300	300	10	±7µm

### 55° thread angle

Code	L	Ød	Accuracy (mm)
7384-B25	25	7.8	±1.5µm
7384-B50	50	7.8	±2µm
7384-B75	75	7.8	±2.5µm
7384-B100	100	7.8	±3µm
7384-B125	125	7.8	±3.5µm
7384-B150	150	7.8	±4µm
7384-B175	175	7.8	±4.5µm
7384-B200	200	7.8	±5µm
7384-B225	225	10	±5.5µm
7384-B250	250	10	±6µm
7384-B275	275	10	±6.5µm
7384-B300	300	10	±7µm

## WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

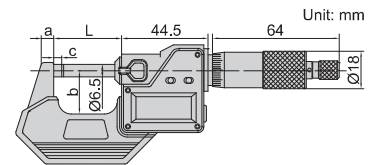
DATA  
OUTPUT

IP65  
WATERPROOF

- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, 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)



3101-25A



### 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
- LR44 battery, 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**

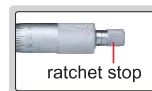
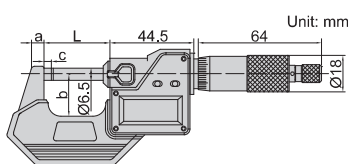
**INSPECTION CERTIFICATE**  
TRACEABLE TO DKD

### Ratchet stop type

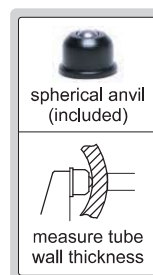
Code	Range	Accuracy	L	a	b	c
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3
3108-175A	150-175mm/6-7"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

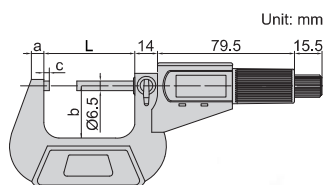
\*Supplied with manufacturer inspection certificate traceable to DKD Germany

## DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITH DATA OUTPUT)

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, 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

**INSPECTION CERTIFICATE**  
TRACEABLE TO DKD

**DATA OUTPUT**



data output on the back

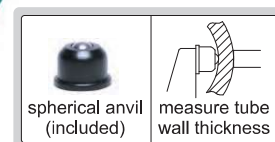
Code	Range	Accuracy	L	a	b	c
3102-25*	0-25mm/0-1"	±2µm	32	6	24	3
3102-50*	25-50mm/1-2"	±2µm	57	8	32	3
3102-75*	50-75mm/2-3"	±3µm	82	8	45	3
3102-100*	75-100mm/3-4"	±3µm	107	10	57	3
3102-125	100-125mm/4-5"	±3µm	133	10	70	3
3102-150	125-150mm/5-6"	±3µm	158	10	82	3
3102-175	150-175mm/6-7"	±4µm	183	12	95	5.5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

\*Supplied with manufacturer inspection certificate traceable to DKD Germany

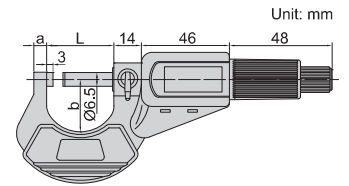
## DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

ATTENTION: NO DATA OUTPUT

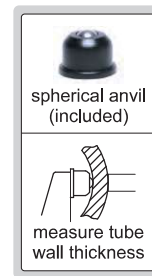
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



3109-25A



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

\*Supplied with manufacturer inspection certificate traceable to DKD Germany

DATA OUTPUT

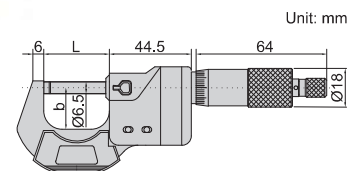
IP65 WATERPROOF

## DIGITAL VERTICAL MICROMETERS

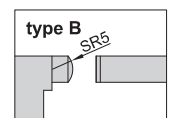
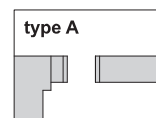
- Measure the thickness of plates for easy reading
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Carbide spindle tip
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional 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

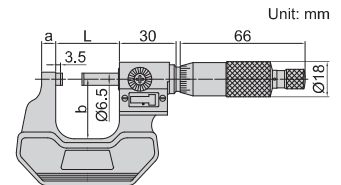
## OUTSIDE MICROMETERS WITH COUNTER

**INSPECTION  
CERTIFICATE**  
TRACEABLE TO DKD

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



3400-25



Code	Range	Accuracy	L	a	b
3400-25*	0-25mm	4µm	32mm	6mm	26mm
3400-50*	25-50mm	4µm	57mm	8mm	32mm
3400-75*	50-75mm	5µm	82mm	8mm	44.5mm
3400-100*	75-100mm	5µm	107mm	8mm	57mm

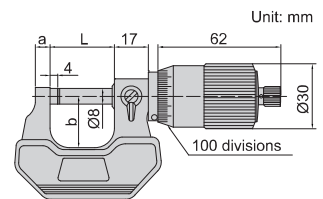
\*Supplied with manufacturer inspection certificate traceable to DKD Germany

## QUICK FEEDING OUTSIDE MICROMETERS

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



3208-25B



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

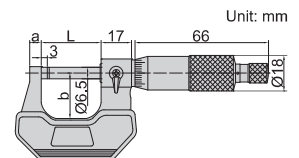
## OUTSIDE MICROMETERS

**INSPECTION  
CERTIFICATE**  
TRACEABLE TO DKD

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



3202-25A



### Micrometer 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

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

\*Supplied with manufacturer inspection certificate traceable to DKD Germany

## OUTSIDE MICROMETERS



3203-25A



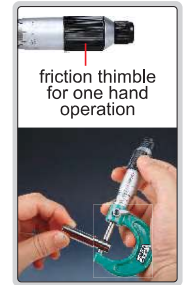
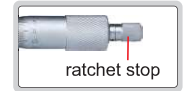
3203-50A



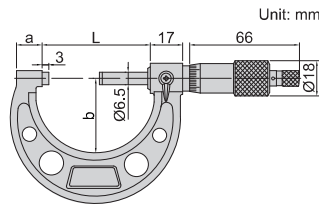
3203-1004A



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"	±.0001"	1.260"	.354"	1.102"
3203-2A*	1-2"	±.0001"	2.244"	.551"	1.496"
3203-3A*	2-3"	±.0001"	3.228"	.591"	1.929"
3203-4A*	3-4"	±.00015"	4.213"	.591"	2.362"
3203-5A*	4-5"	±.00015"	5.236"	.650"	2.874"
3203-6A*	5-6"	±.00015"	6.220"	.650"	3.346"
3203-7A	6-7"	±.0002"	7.205"	.764"	4.094"
3203-8A	7-8"	±.0002"	8.228"	.764"	4.606"
3203-9A	8-9"	±.0002"	9.213"	.764"	5.118"
3203-10A	9-10"	±.00025"	10.236"	.764"	5.591"
3203-11A	10-11"	±.00025"	11.220"	.764"	6.102"
3203-12A	11-12"	±.00025"	12.205"	.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

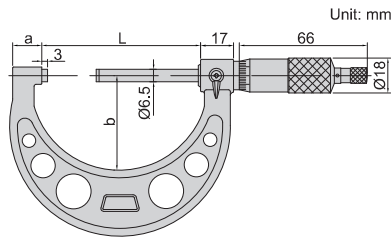
### Inch (friction thimble type)

Code	Range	Accuracy	L	a	b
3203-1FA*	0-1"	±.0001"	1.260"	.354"	1.102"
3203-2FA*	1-2"	±.0001"	2.244"	.551"	1.496"
3203-3FA*	2-3"	±.0001"	2.244"	.591"	1.929"

\* Supplied with manufacturer inspection certificate traceable to DKD Germany or NIST USA



## LONG SPINDLE OUTSIDE MICROMETERS

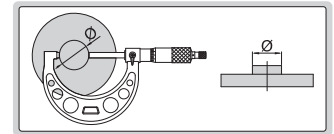
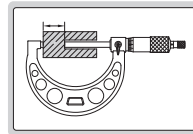


- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



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



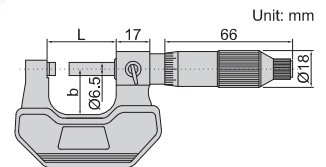
## NON MAGNETIC MICROMETERS

- 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)



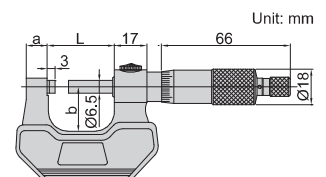
front



back

3236-25B

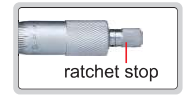
Code	Range	Accuracy	L	a	b
3236-25B	0-25mm	4µm	32	6	24
3236-50B	25-50mm	4µm	57	8	32
3236-75B	50-75mm	5µm	82	8	45
3236-100B	75-100mm	5µm	107	8	57
3236-125B	100-125mm	6µm	133	8	70
3236-150B	125-150mm	6µm	158	8	82
3236-175B	150-175mm	7µm	183	8	95
3236-200B	175-200mm	7µm	209	8	107





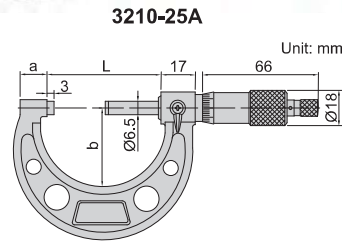
- Graduation 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)

## 1µm GRADUATION OUTSIDE MICROMETERS



### 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

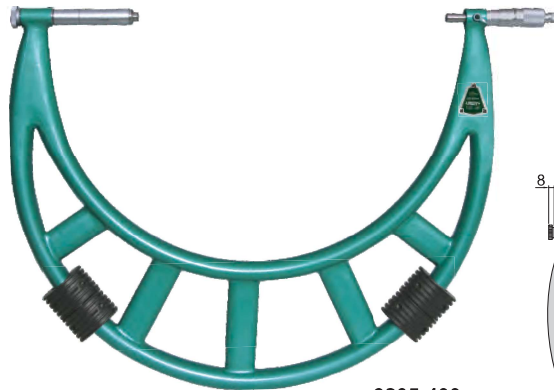
\*Supplied with manufacturer inspection certificate traceable to DKD Germany

## OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

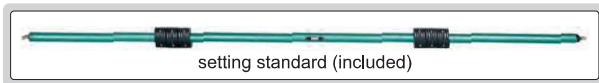
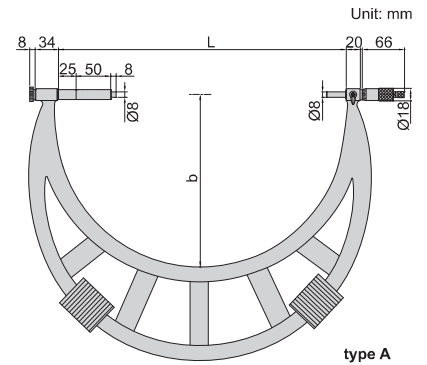
- Graduation 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



adjust collars for different measuring ranges

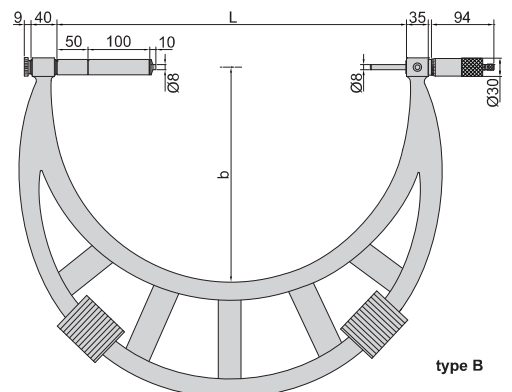


3205-400



(mm)

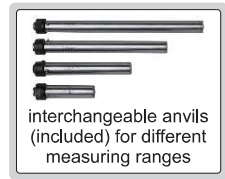
Code	Range	Type	Accuracy	L	b	Setting standard (included)
3205-400	300-400mm	A	11µm	410	250	325, 375
3205-500	400-500mm	A	13µm	510	295	425, 475
3205-600	500-600mm	A	14µm	610	345	525, 575
3205-700	600-700mm	A	16µm	710	395	625, 675
3205-800	700-800mm	A	18µm	810	445	725, 775,
3205-900	800-900mm	A	20µm	910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



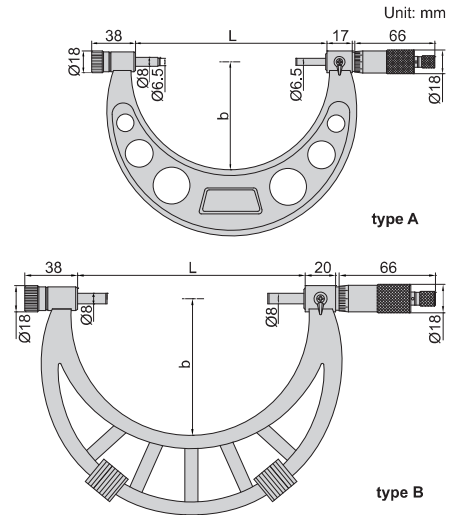
## OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS



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



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

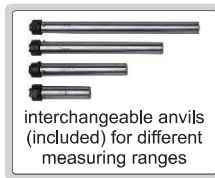


## DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

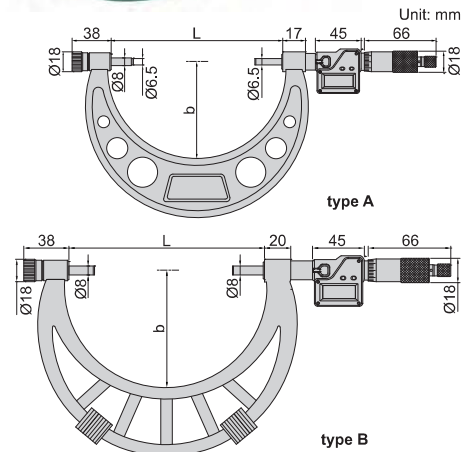
- Resolution 0.001mm/0.0001" (resolution of 3506-100A and 3506-150A is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)

IP65 WATERPROOF

DATA OUTPUT

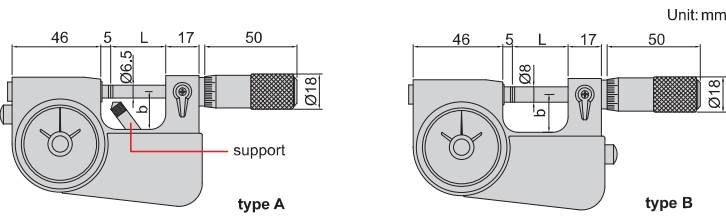


Code	Range	Type	Accuracy	L	b	Setting standard (included)
3506-100A	0-100mm/0-4"	A	±5μm	105	57	25, 50, 75
3506-150A	0-150mm/0-6"	A	±6μm	155	82	25, 50, 75, 100, 125
3506-300A	150-300mm/6-12"	A	±8μm	305	165	150, 175, 200, 225, 250, 275
3506-301A	200-300mm/8-12"	A	±8μm	305	165	200, 225, 250, 275
3506-400A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



**ATTENTION: SETTING STANDARDS ARE NOT INCLUDED**

## INDICATING MICROMETERS



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



3332-25

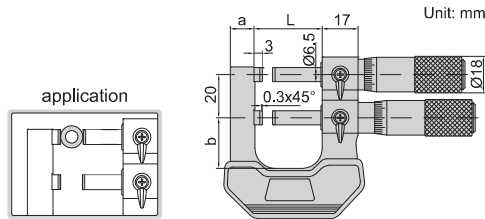


3332-25B

Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark
3332-25	0-25mm	4 $\mu$ m	A	28.5	19	with support
3332-50	25-50mm	4 $\mu$ m	A	53.5	30	with support
3332-75	50-75mm	5 $\mu$ m	A	78.5	45	without support
3332-100	75-100mm	5 $\mu$ m	A	103.5	57	without support
3332-25B	0-25mm	4 $\mu$ m	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	4 $\mu$ m	32mm	12mm	24mm
3235-50A	25-50mm	4 $\mu$ m	57mm	15mm	32mm

**ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS**

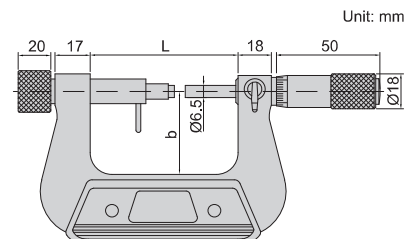
## MICROMETERS WITH DIAL INDICATOR

- 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	4 $\mu$ m	67mm	38mm
3331-50A	25-50mm	4 $\mu$ m	92.4mm	50mm
3331-75A	50-75mm	5 $\mu$ m	117.6mm	62mm
3331-100A	75-100mm	5 $\mu$ m	143mm	70mm
3331-125A	100-125mm	6 $\mu$ m	168.2mm	82mm
3331-150A	125-150mm	6 $\mu$ m	192mm	94.5mm
3331-175A	150-175mm	7 $\mu$ m	217mm	107mm



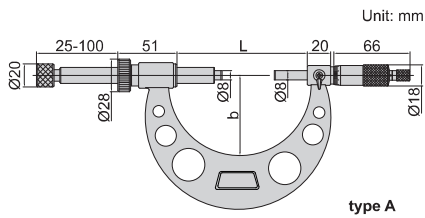
## MICROMETERS WITH DIAL INDICATOR

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS



dial indicator is optional

3296-100A

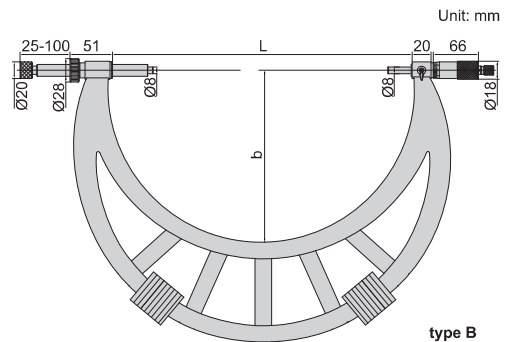


type A



dial indicator is optional

3296-400A



type B

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

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

## GROOVE MICROMETERS

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

### No ratchet stop

Code	Range (outside A)	Range (inside B)	Accuracy
3287-25A	0-25mm	1.6-26.5mm	10µm
3287-50A	25-50mm	26.5-51.5mm	10µm
3287-75A	50-75mm	51.5-76.5mm	10µm
3287-100A	75-100mm	76.5-101.5mm	10µm

### Two-directional ratchet stop

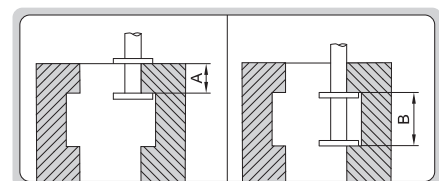
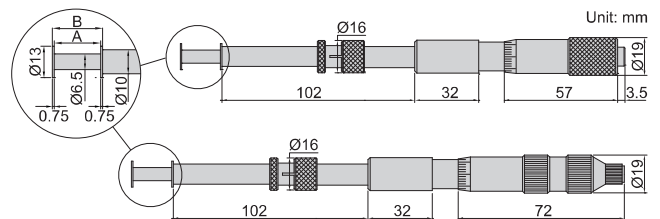
Code	Range (outside A)	Range (inside B)	Accuracy
3287-25B	0-25mm	1.6-26.5mm	10µm
3287-50B	25-50mm	26.5-51.5mm	10µm
3287-75B	50-75mm	51.5-76.5mm	10µm
3287-100B	75-100mm	76.5-101.5mm	10µm



3287-25A



3287-50B



### 3-WIRES



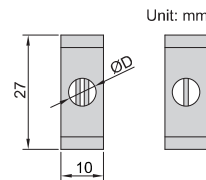
- Used with standard outside micrometers to measure pitch diameter of screw threads
- Diameter accuracy:  $\pm 0.5\mu\text{m}$
- Cylindricity:  $1\mu\text{m}$
- Hardness: HRC60
- Supplied with manufacturer inspection certificate



**Formula of pitch diameter E**  
 $E = M - 3d + 0.866025P$   
**M**=measured value of the micrometer  
**d**=diameter of the pin gage (choose diameter of pin gage according to pitch:  $d = 0.577P$ )  
**P**=screw thread pitch  
**The formula is suitable for 60° screw**



7382-19



application



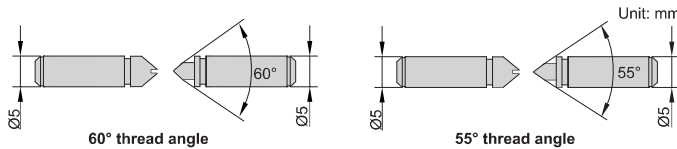
**For outside micrometers with spindle  $\text{Ø}6.35\text{mm}$  ( $\text{ØD}$ )**

Code	Pin gage diameter ( $\text{Ød}$ )	Applicable pitch
7382-11	0.170mm	0.2mm, 0.25mm, 0.3mm
7382-12	0.195mm	0.35mm
7382-13	0.220mm	0.4mm
7382-14	0.250mm	0.45mm
7382-15	0.290mm	0.5mm
7382-16	0.335mm	0.6mm
7382-17	0.390mm	0.7mm
7382-18	0.455mm	0.75mm, 0.8mm
7382-19	0.530mm	0.9mm
7382-110	0.620mm	1.0mm
7382-111	0.725mm	1.25mm
7382-112	0.895mm	1.5mm
7382-113	1.100mm	1.75mm, 2.0mm
7382-114	1.350mm	2.5mm
7382-115	1.650mm	3.0mm
7382-116	2.050mm	3.5mm
7382-117	2.550mm	4mm, 4.5mm
7382-118	3.200mm	5mm, 5.5mm, 6mm
7382-1S	18 pairs/set, including all above 3-wires	

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

Code	Pin gage diameter ( $\text{Ød}$ )	Applicable pitch
7382-21	0.170mm	0.2mm, 0.25mm, 0.3mm
7382-22	0.195mm	0.35mm
7382-23	0.220mm	0.4mm
7382-24	0.250mm	0.45mm
7382-25	0.290mm	0.5mm
7382-26	0.335mm	0.6mm
7382-27	0.390mm	0.7mm
7382-28	0.455mm	0.75mm, 0.8mm
7382-29	0.530mm	0.9mm
7382-210	0.620mm	1.0mm
7382-211	0.725mm	1.25mm
7382-212	0.895mm	1.5mm
7382-213	1.100mm	1.75mm, 2.0mm
7382-214	1.350mm	2.5mm
7382-215	1.650mm	3.0mm
7382-216	2.050mm	3.5mm
7382-217	2.550mm	4mm, 4.5mm
7382-218	3.200mm	5mm, 5.5mm, 6mm
7382-2S	18 pairs/set, including all above 3-wires	

## MEASURING TIPS FOR SCREW THREAD MICROMETERS



7381-T13

**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

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

**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

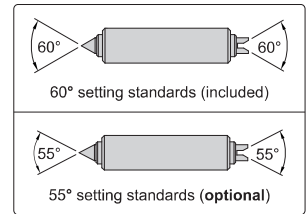
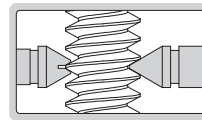


**3281-25A**  
(measuring tips are optional)



**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)

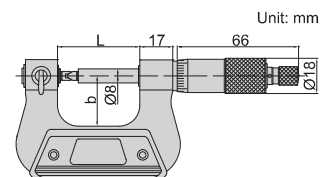
Code	Range	L	b	55° setting standard (optional)
3281-25A	0-25mm	42	26	—
3281-50A	25-50mm	67	38	3281-SP1
3281-75A	50-75mm	92	50	3281-SP2
3281-100A	75-100mm	117.6	62	3281-SP3
3281-125A	100-125mm	143	70	3281-SP4
3281-150A	125-150mm	168.2	82	3281-SP5
3281-175A	150-175mm	192	94.5	3281-SP6
3281-200A	175-200mm	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) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI	—
3281-S50	25-50mm	67	38		3281-SP1
3281-S75	50-75mm	92	50		3281-SP2
3281-S100	75-100mm	117.6	62		3281-SP3
3281-S125	100-125mm	143	70		3281-SP4
3281-S150	125-150mm	168.2	82		3281-SP5
3281-S175	150-175mm	192	94.5		3281-SP6
3281-S200	175-200mm	217	107		3281-SP7

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

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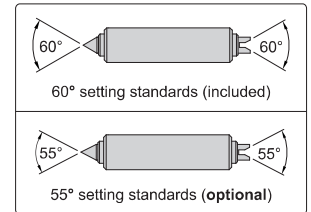
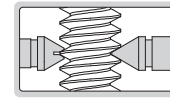
**3581-25A**  
(measuring tips are optional)



**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
- LR44 battery, 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)

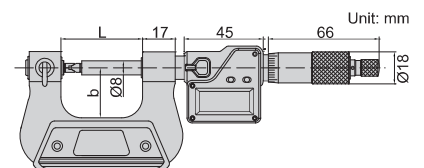
Code	Range	L	b	55° setting standard (optional)
<b>3581-25A</b>	0-25mm/0-1"	42	26	—
<b>3581-50A</b>	25-50mm/1-2"	67	38	<b>3281-SP1</b>
<b>3581-75A</b>	50-75mm/2-3"	92	50	<b>3281-SP2</b>
<b>3581-100A</b>	75-100mm/3-4"	117.6	62	<b>3281-SP3</b>
<b>3581-125A</b>	100-125mm/4-5"	143	70	<b>3281-SP4</b>
<b>3581-150A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

Measuring tips are included (mm)

Code	Range	L	b	Measuring tips (included)	55° setting standard (optional)
<b>3581-S25</b>	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	—
<b>3581-S50</b>	25-50mm/1-2"	67	38		<b>3281-SP1</b>
<b>3581-S75</b>	50-75mm/2-3"	92	50		<b>3281-SP2</b>
<b>3581-S100</b>	75-100mm/3-4"	117.6	62		<b>3281-SP3</b>
<b>3581-S125</b>	100-125mm/4-5"	143	70		<b>3281-SP4</b>
<b>3581-S150</b>	125-150mm/5-6"	168.2	82		<b>3281-SP5</b>
<b>3581-S175</b>	150-175mm/6-7"	192	94.5		<b>3281-SP6</b>
<b>3581-S200</b>	175-200mm/7-8"	217	107		<b>3281-SP7</b>

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

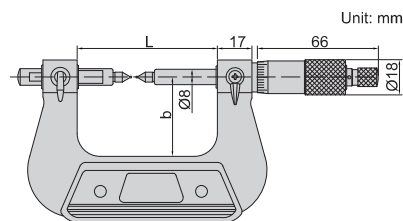
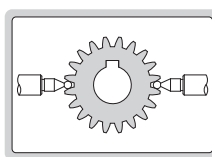
- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)

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



Unit: mm

## DIGITAL GEAR TOOTH MICROMETERS

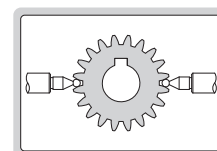
IP65  
WATERPROOF

DATA  
OUTPUT

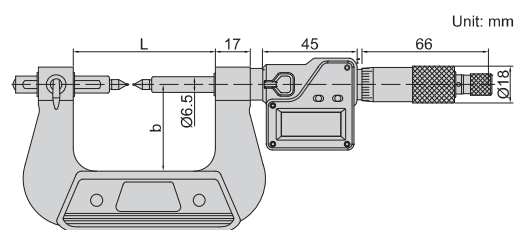
- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391), 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



Unit: mm

## 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



Unit: mm

## POINT MICROMETERS

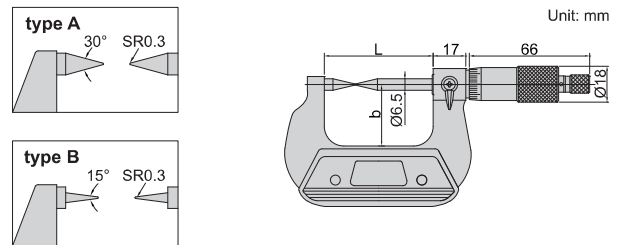
- Measure the web thickness of drills, small grooves and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



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

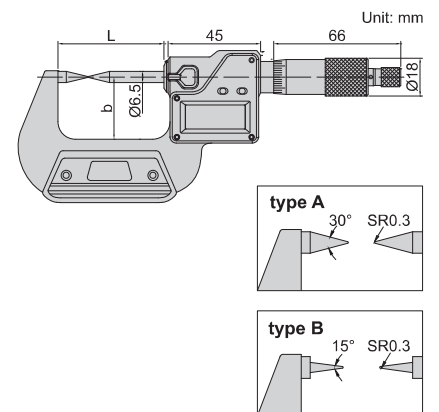
- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- 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



## BLADE MICROMETERS

NON-ROTATING SPINDLE

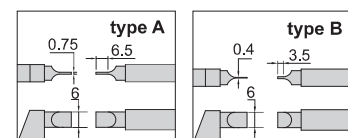
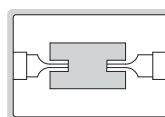
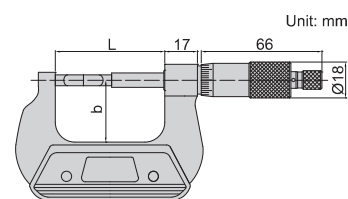
- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

5



3232-25A

						(mm)	
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		



## DIGITAL BLADE MICROMETERS

DATA OUTPUT

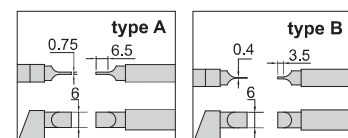
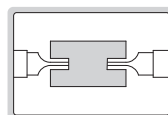
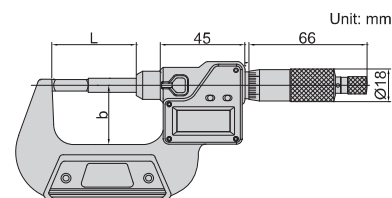
NON-ROTATING SPINDLE

- 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
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)



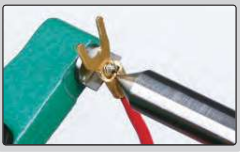
3532-25A

						(mm)	
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		



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

## CRIMP HEIGHT MICROMETERS

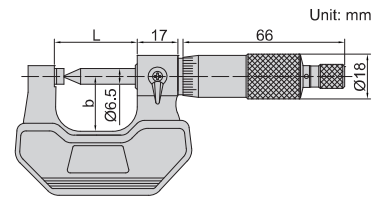


3266-25BA

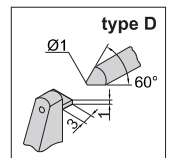
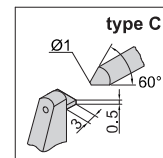
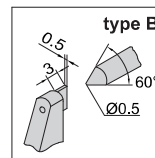
- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

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

(mm)



Unit: mm



IP65  
WATERPROOF

DATA  
OUTPUT

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

## DIGITAL CRIMP HEIGHT MICROMETERS



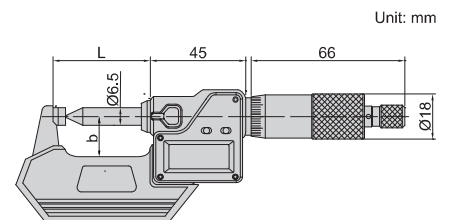
3566-25BA

- 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
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30, 7302-30)

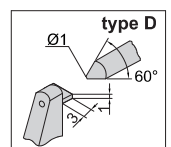
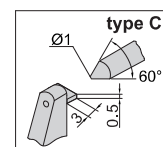
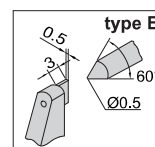


Code	Range	Type	Accuracy	L	b
3566-25BA	0-25mm/0-1"	B	±4μm	34.5	25
3566-50BA	25-50mm/0-1"	B	±4μm	59.5	32
3566-75BA	50-75mm/0-1"	B	±5μm	84.5	44.5
3566-100BA	75-100mm/0-1"	B	±5μm	109.5	57
3566-25CA	0-25mm/0-1"	C	±4μm	34.5	25
3566-25DA	0-25mm/0-1"	D	±4μm	34.5	25

(mm)



Unit: mm

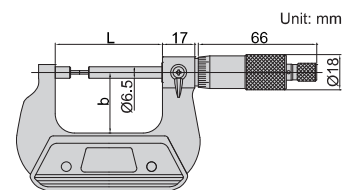
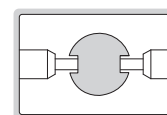


## SPLINE MICROMETERS

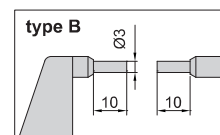
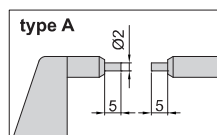
- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



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



## DIGITAL SPLINE MICROMETERS

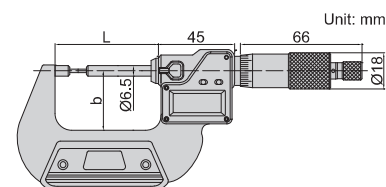
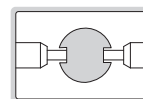
**IP65**  
WATERPROOF

**DATA**  
OUTPUT

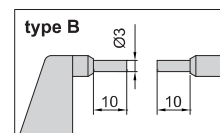
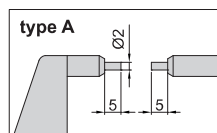
- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional 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

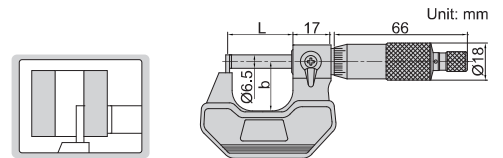


## CYLINDRICAL ANVIL TUBE MICROMETERS

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

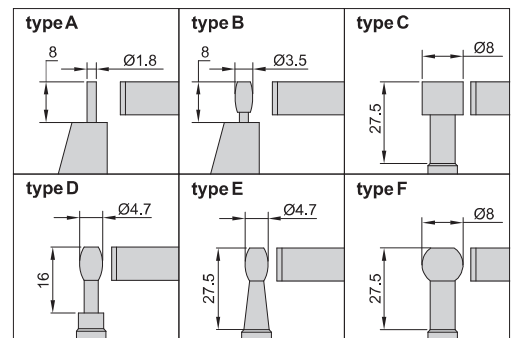


3261-25A



Unit: mm

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

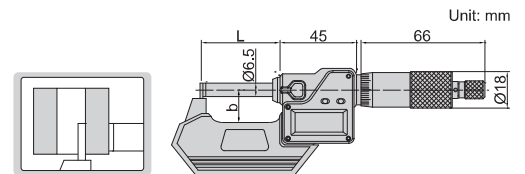
**DATA**  
OUTPUT

## 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
- LR44 battery, 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)

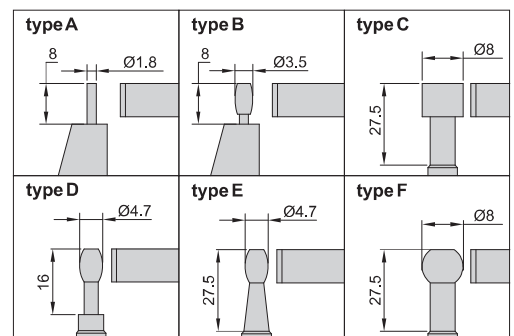


3561-25A



Unit: mm

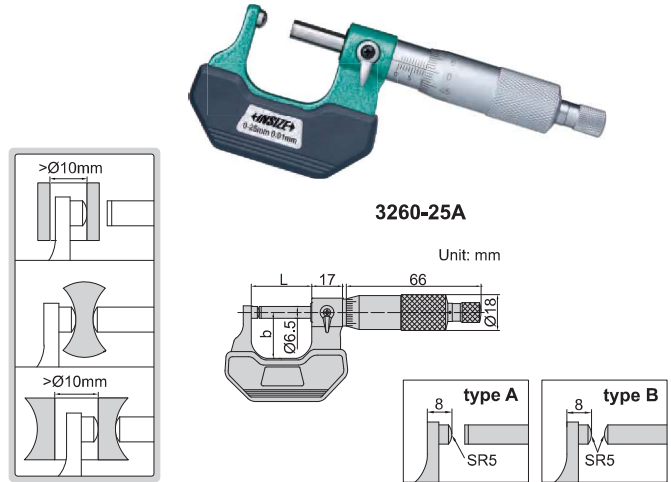
Code	Range	Type	Accuracy	L	b
3561-25A	0-25mm/0-1"	A	±6µm	36	25
3561-50A	25-50mm/1-2"	A	±6µm	61	32
3561-25BA	0-25mm/0-1"	B	±6µm	36	25
3561-50BA	25-50mm/1-2"	B	±6µm	61	32
3561-25CA	0-25mm/0-1"	C	±6µm	36	25
3561-50CA	25-50mm/1-2"	C	±6µm	61	32
3561-25DA	0-25mm/0-1"	D	±6µm	36	25
3561-50DA	25-50mm/1-2"	D	±6µm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



## SPHERICAL ANVIL TUBE MICROMETERS

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

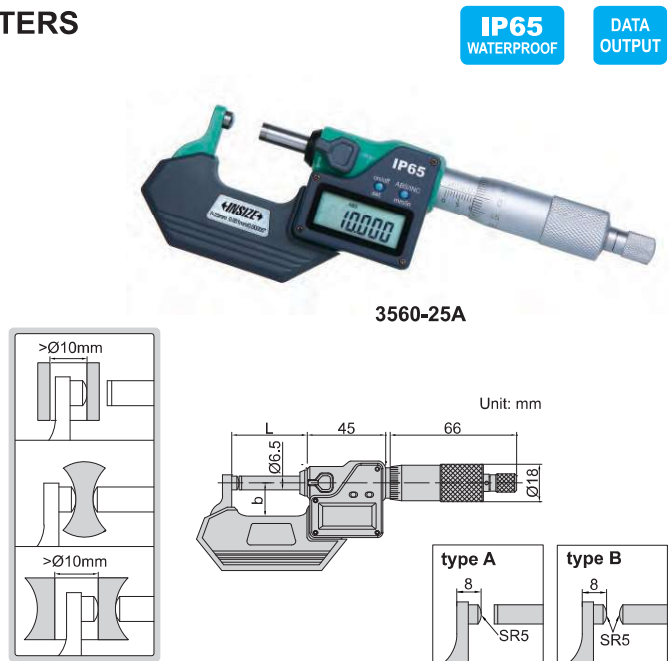
Code	Range	Type	Accuracy	L	b
3260-25A	0-25mm	A	4μm	32	24
3260-50A	25-50mm	A	4μm	57	32
3260-75A	50-75mm	A	5μm	82	44.5
3260-100A	75-100mm	A	5μm	107	57
3260-25SA	0-25mm	B	4μm	32	24
3260-50SA	25-50mm	B	4μm	57	32
3260-75SA	50-75mm	B	5μm	82	44.5
3260-100SA	75-100mm	B	5μm	107	57



## DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

- 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
- LR44 battery, 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)

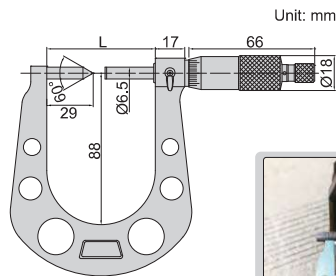
Code	Range	Type	Accuracy	L	b
3560-25A	0-25mm/0-1"	A	±4μm	32	24
3560-50A	25-50mm/1-2"	A	±4μm	57	32
3560-75A	50-75mm/2-3"	A	±5μm	82	44.5
3560-100A	75-100mm/3-4"	A	±5μm	107	57
3560-25SA	0-25mm/0-1"	B	±4μm	32	24
3560-50SA	25-50mm/1-2"	B	±4μm	57	32
3560-75SA	50-75mm/2-3"	B	±5μm	82	44.5
3560-100SA	75-100mm/3-4"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



## DISK BRAKE MICROMETERS

- 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



3288-33A

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

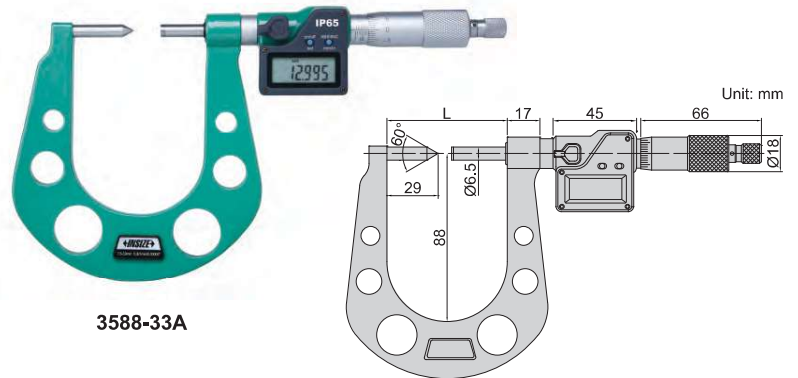
RELATIVE PRODUCT: DIGITAL DISK BRAKE AND PAD CALIPER  
DIGITAL DRUM BRAKE CALIPER (CODE 1162-125A, 1167-150A, 1168-300A)

## DIGITAL DISK BRAKE MICROMETERS

IP65  
WATERPROOF

DATA  
OUTPUT

- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)

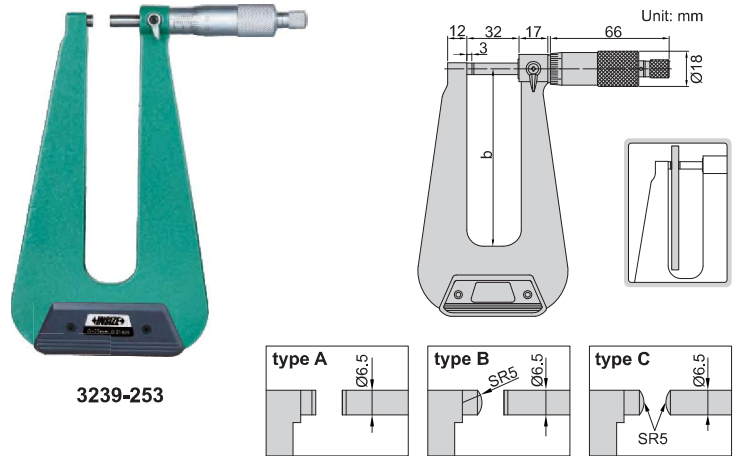


3588-33A

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

## SHEET METAL MICROMETERS

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



3239-253

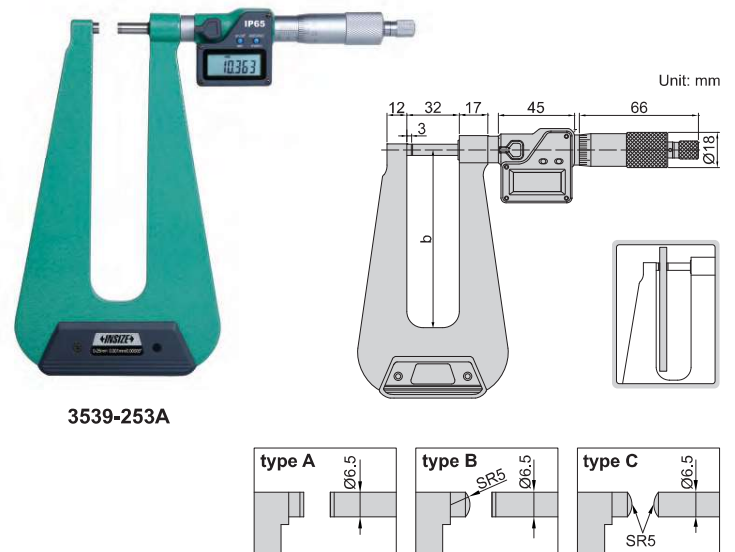
Code	Range	Type	Accuracy	b (mm)
3239-253	0-25mm	A	7µm	155
3239-253F	0-25mm	B	7µm	155
3239-254F	0-25mm	B	10µm	310
3239-253S	0-25mm	C	7µm	155

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
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-30, 7302-30)



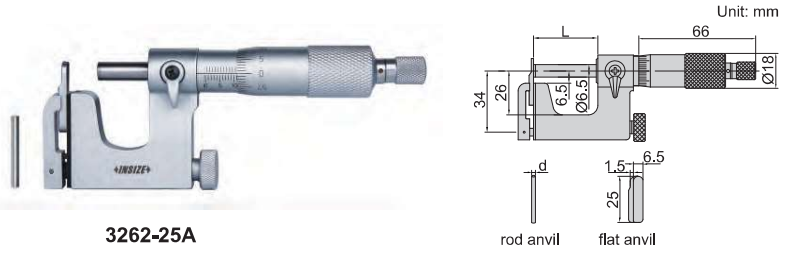
3539-253A

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

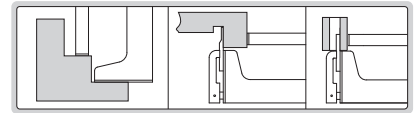


## INTERCHANGEABLE ANVIL MICROMETERS

- 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



5

(mm)				
Code	Range	Accuracy	L	d
3262-25A	0-25mm	4µm	28.5	Ø3
3262-50A	25-50mm	4µm	53.5	Ø5

## DIGITAL INTERCHANGEABLE ANVIL MICROMETERS

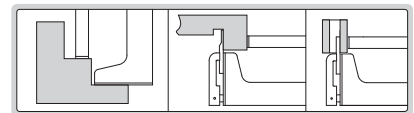
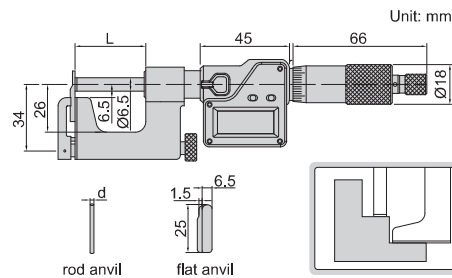
**IP65**  
WATERPROOF

**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
- LR44 battery, 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



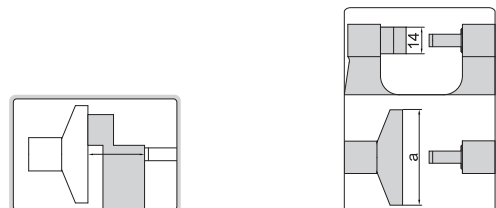
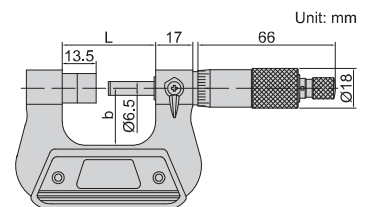
(mm)				
Code	Range	Accuracy	L	d
3562-25A	0-25mm/0-1"	±4µm	28.5	Ø3
3562-50A	25-50mm/1-2"	±4µm	53.5	Ø5

## LARGE ANVIL MICROMETERS

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



3234-25A



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

DATA  
OUTPUT

IP65  
WATERPROOF

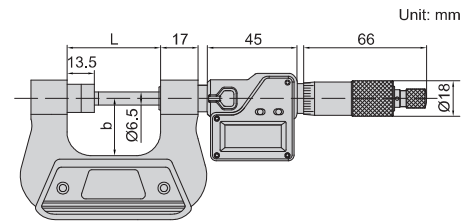
## DIGITAL LARGE ANVIL MICROMETERS

5

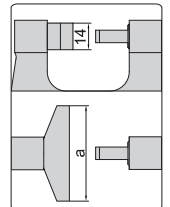
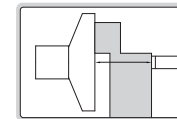


3534-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, 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



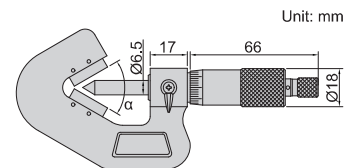
Code	Range	Accuracy	L	a	b
3534-25A	0-25mm/0-1"	±4μm	42mm	50mm	26mm
3534-50A	25-50mm/1-2"	±4μm	67mm	60mm	38mm

## 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



Unit: mm

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

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

## DIGITAL V-ANVIL MICROMETERS

**IP65**  
WATERPROOF

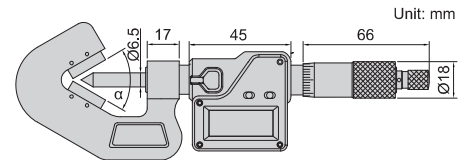
**DATA**  
OUTPUT

5

- 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
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



3590-153A

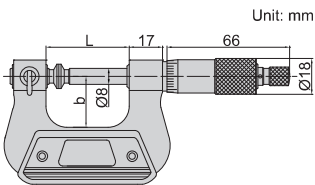


Code	Range	Flutes	Accuracy	$\alpha$
3590-153A	1-15mm/0.04-0.6"	3	$\pm 4\mu\text{m}$	60°
3590-203A	5-20mm/0.2-0.8"	3	$\pm 4\mu\text{m}$	60°
3590-353A	20-35mm/0.8-1.4"	3	$\pm 5\mu\text{m}$	60°
3590-503A	35-50mm/1.4-2.0"	3	$\pm 5\mu\text{m}$	60°
3590-653A	50-65mm/2.0-2.6"	3	$\pm 6\mu\text{m}$	60°
3590-803A	65-80mm/2.6-3.2"	3	$\pm 6\mu\text{m}$	60°
3590-953A	80-95mm/3.2-3.6"	3	$\pm 6\mu\text{m}$	60°
3590-255A	5-25mm/0.2-1.0"	5	$\pm 4\mu\text{m}$	108°

Code	Range	Flutes	Accuracy	$\alpha$
3590-455A	25-45mm/1.0-1.8"	5	$\pm 5\mu\text{m}$	108°
3590-655A	45-65mm/1.8-2.6"	5	$\pm 6\mu\text{m}$	108°
3590-855A	65-85mm/2.6-3.4"	5	$\pm 6\mu\text{m}$	108°
3590-1055A	85-105mm/3.4-4.2"	5	$\pm 6\mu\text{m}$	108°
3590-257A	5-25mm/0.2-1.0"	7	$\pm 4\mu\text{m}$	128°34'17"
3590-457A	25-45mm/1.0-1.8"	7	$\pm 4\mu\text{m}$	128°34'17"
3590-657A	45-65mm/1.8-2.6"	7	$\pm 5\mu\text{m}$	128°34'17"
3590-857A	65-85mm/2.6-3.4"	7	$\pm 5\mu\text{m}$	128°34'17"

## NON-ROTATING SPINDLE UNIVERSAL MICROMETERS

**NON-ROTATING**  
SPINDLE



3280-25A

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

Code	Range	Accuracy	L	b
3280-25A	0-25mm	4 $\mu\text{m}$	42mm	26mm
3280-50A	25-50mm	4 $\mu\text{m}$	67mm	38mm
3280-75A	50-75mm	5 $\mu\text{m}$	92mm	50mm
3280-100A	75-100mm	5 $\mu\text{m}$	118mm	62mm
3280-125A	100-125mm	6 $\mu\text{m}$	143mm	70mm
3280-150A	125-150mm	6 $\mu\text{m}$	168mm	82mm
3280-175A	150-175mm	7 $\mu\text{m}$	192mm	95mm
3280-200A	175-200mm	7 $\mu\text{m}$	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

Anvil/spindle tip (included) Unit: mm

Flat		
Spherical		
Spline		
Disk		
Blade		
Knife-edge		
Point		

55° anvil/spindle tip (optional) Unit: mm

Code <b>3280-SP1</b> Knife-edge		
Code <b>3280-SP2</b> Point		

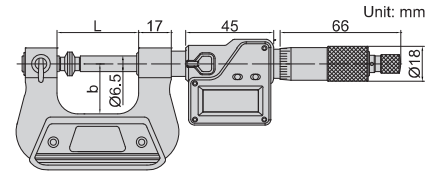
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery
- Automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: 55° anvil/spindle tip code **3280-SP1** and **3280-SP2**, data output cable (code **7315-30**, **7302-30**)



3580-25A

DATA OUTPUT

NON-ROTATING SPINDLE

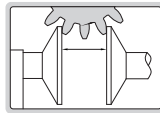


Unit: mm

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

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

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

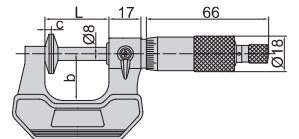
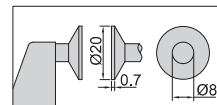


## DISK MICROMETERS (ECONOMIC TYPE)



3282-25

Unit: mm

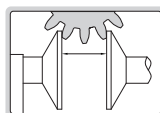


Code	Range	Accuracy	Parallelism	(mm)		
				L	b	c
<b>3282-25</b>	0-25mm	4µm	5µm	34	24	3.3
<b>3282-50</b>	25-50mm	4µm	5µm	59	32	3.3
<b>3282-75</b>	50-75mm	5µm	5µm	85	45	3.3
<b>3282-100</b>	75-100mm	5µm	5µm	110	57	3.3

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

NON-ROTATING SPINDLE

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

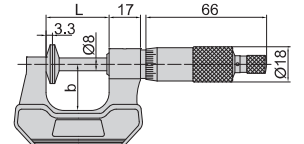
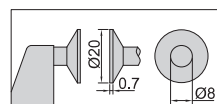


## NON-ROTATING SPINDLE DISK MICROMETERS (ECONOMIC TYPE)



3294-25

Unit: mm



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

## DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS (ECONOMIC TYPE)

ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES

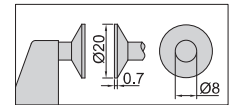
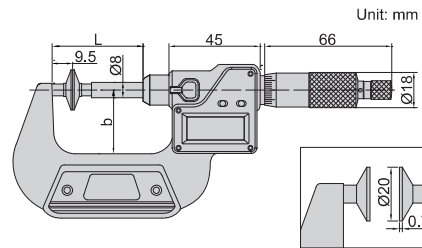
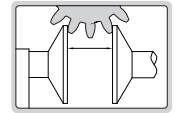
DATA OUTPUT

NON-ROTATING SPINDLE

- 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
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



3594-25A



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

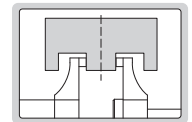
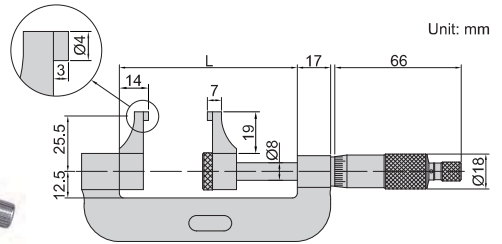
5

## CALIPER TYPE MICROMETERS

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



3238-25



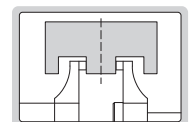
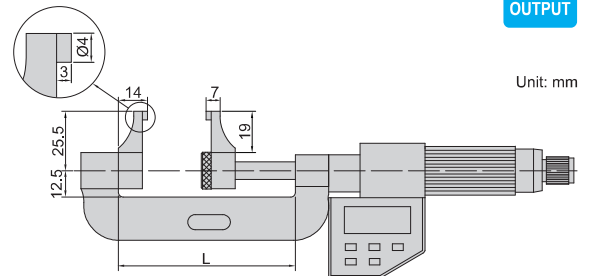
Code	Range	Accuracy	L
3238-25	0-25mm	10µm	56mm
3238-50	25-50mm	10µm	81mm
3238-75	50-75mm	11µm	106mm
3238-100	75-100mm	11µm	131mm

## DIGITAL CALIPER TYPE MICROMETERS

DATA OUTPUT



3538-25



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

- Resolution: 0.001mm/0.00005"
- Non-rotating spindle
- Buttons: on/off, data set, mm/in, ABS/INC
- Data output
- LR44 battery, 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)

NON-ROTATING SPINDLE

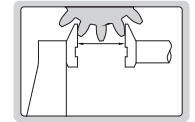
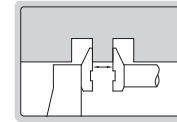
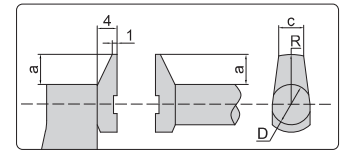
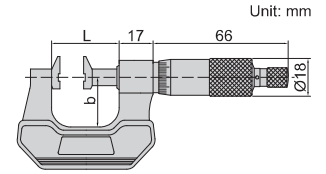
## JAW TYPE MICROMETERS



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
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



DATA OUTPUT

NON-ROTATING SPINDLE

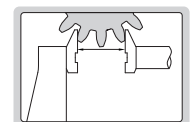
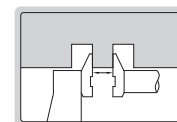
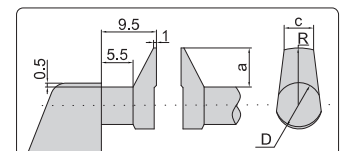
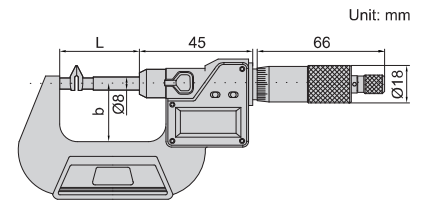
## DIGITAL JAW TYPE MICROMETERS



3583-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, 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
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

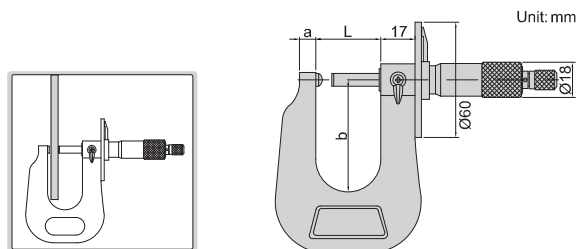


## SHEET METAL MICROMETERS

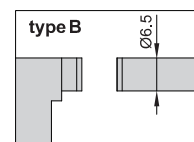
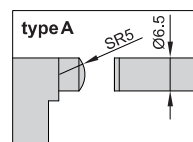
- Meet DIN863-3
- Measure thickness of sheet metal, paper, plastic and rubber parts
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3263-25A



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



## MICROMETERS FOR HOT PLATE

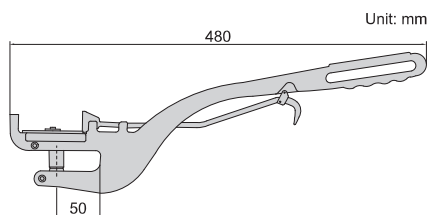
- Measure thickness of hot rolling sheet metal
- Carbide measuring faces
- Supplied with setting standard (except 0-15mm)



3264-15



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



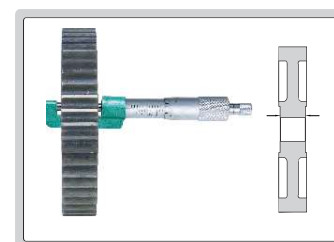
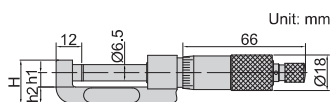
## HUB MICROMETERS

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



3292-25

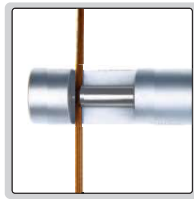
Code	Range	Accuracy	h1	h2	H
3292-25	0-25mm	4µm	6	9	18.7
3292-50	25-50mm	4µm	6.5	11	21.2
3292-75	50-75mm	5µm	6.5	11	21.2
3292-100	75-100mm	5µm	6.5	11	21.2



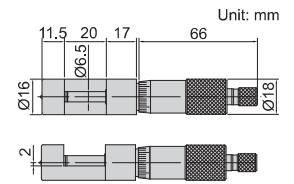
## WIRE MICROMETER

- 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



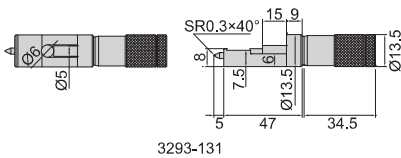
3285-10



## CAN SEAM MICROMETERS



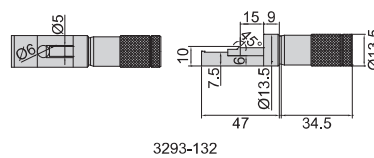
3293-131



3293-131



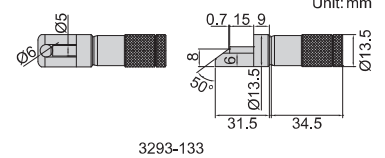
3293-132



3293-132



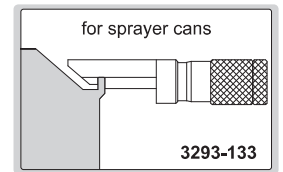
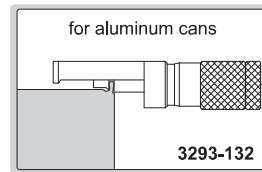
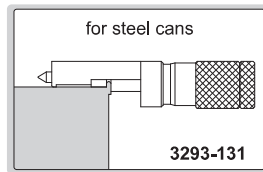
3293-133



3293-133

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

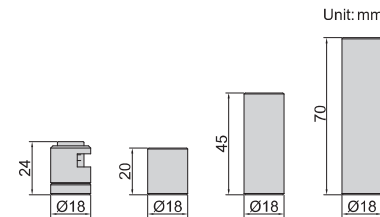
Code	Range	Accuracy
3293-131	0-13mm	4µm
3293-132	0-13mm	4µm
3293-133	0-13mm	4µm



## MICROMETER MEASURING FORCE DETECTOR



6315



- 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

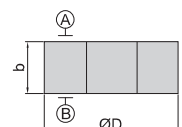
## OPTICAL PARALLELS

- 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

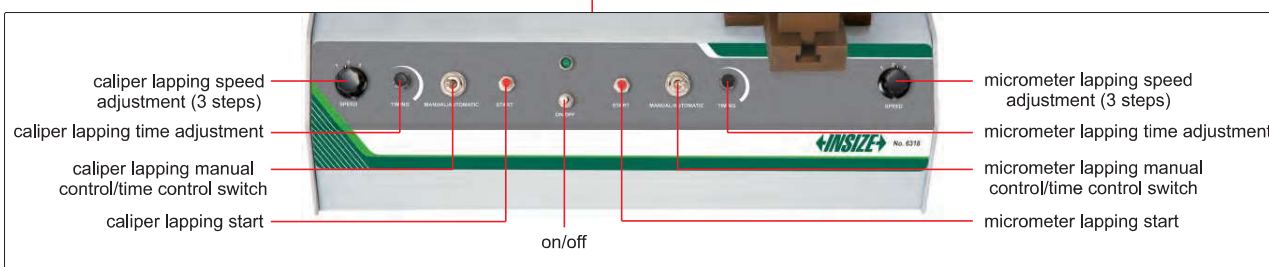




# CALIPER/MICROMETER LAPPING MACHINE CODE 6318



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

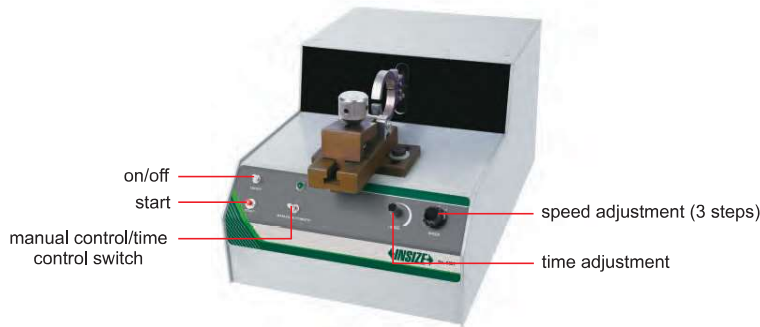
Power supply	220V, 50/60Hz
Dimension (L×W×H)	430×400×210mm
Weight	28kg

### 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)



5

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

### SPECIFICATION

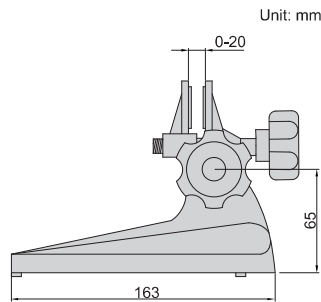
Power supply	220V, 50/60HZ
Dimension (L×W×H)	450×260×220mm
Weight	30kg

### 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

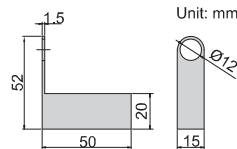
- Suitable for outside micrometers up to 100mm



6301

Code  
6301

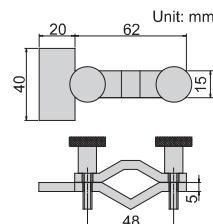
- Suitable for inside micrometers



6301-1

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

- Suitable for three points internal micrometers



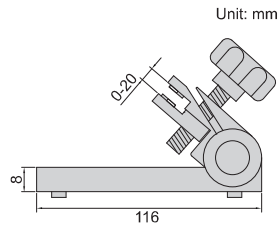
6301-2

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**



5

## MICROMETER SETTING STANDARDS



**6310-100**



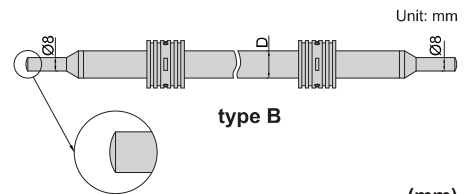
**type A**



**6310-300**

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



**type B**

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

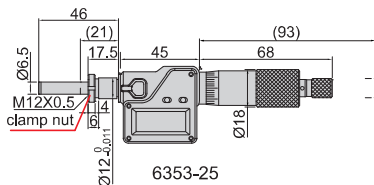
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code **7315-30**, **7302-30**)



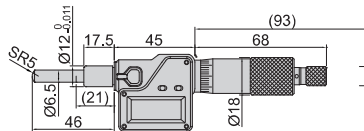
**6353-25W**

**IP65**  
WATERPROOF

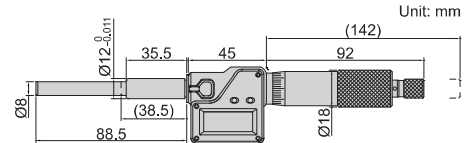
**DATA**  
OUTPUT



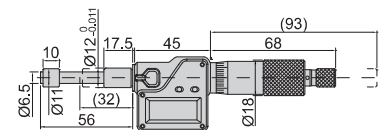
**6353-25**



**6353-25WS**



**6353-50W**



**6354-25W**

### Rotating spindle

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

### Non-rotating spindle

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

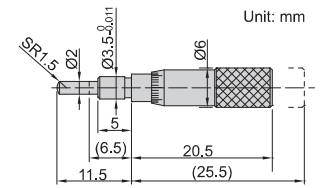
## SMALL MICROMETER HEAD

- Graduation 0.02mm

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



6372-5WS



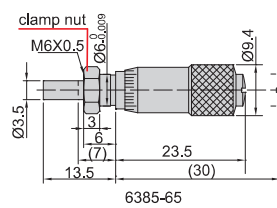
## SMALL MICROMETER HEADS

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

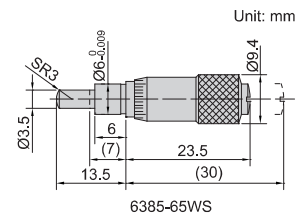


6385-65W

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

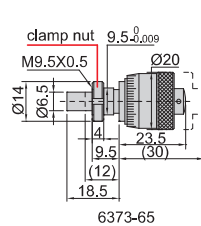


6385-65WS

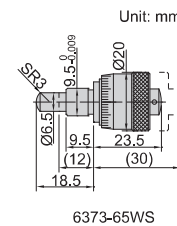
## LARGE THIMBLE MICROMETER HEADS

- 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



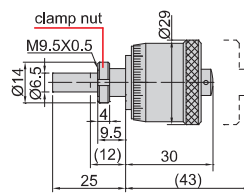
6373-65



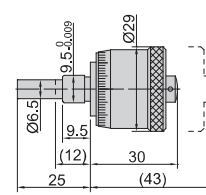
6373-65WS



6373-65



6373-13



6373-13W

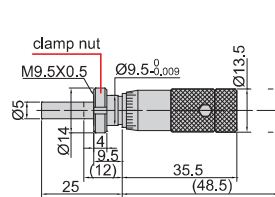


6373-13

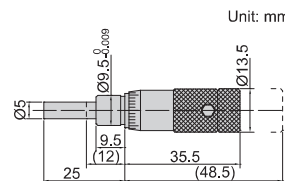
## MICROMETER HEADS WITH ZERO ADJUSTABLE THIMBLE

- 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

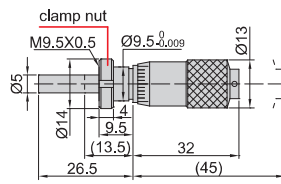


6384-13W

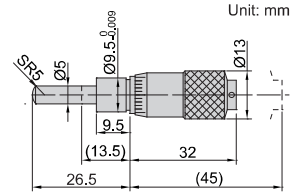
## MICROMETER HEADS



6386-13W



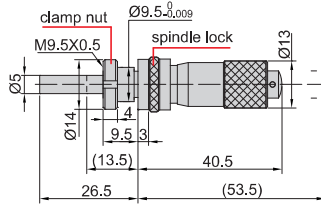
6386-13



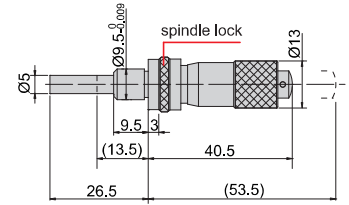
6386-13WS



6386-13P



6386-13P



6386-13WP

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

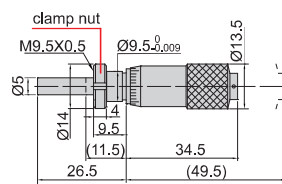
- Meet DIN863-2
- Graduation 0.01mm

## MICROMETER HEADS

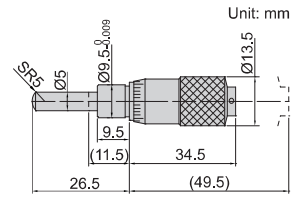
- Meet DIN863-2
- Graduation 0.01mm
- Accuracy 3µm



6387-15WS



6387-15



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)

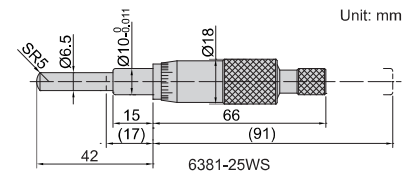
## MICROMETER HEADS



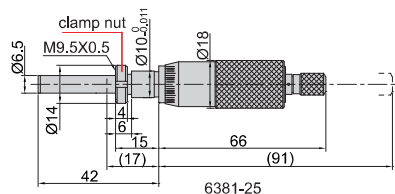
6381-25



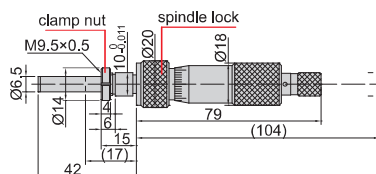
6381-25P



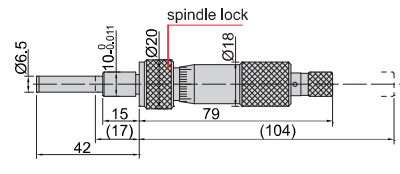
6381-25WS



6381-25



6381-25P



6381-25WP

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

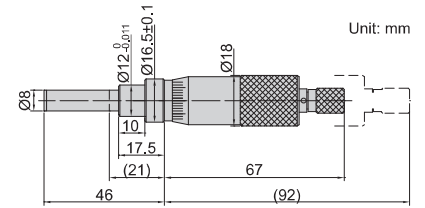
- Meet DIN863-2
- Graduation 0.01mm
- Ratchet stop

## NON-ROTATING SPINDLE MICROMETER HEAD

- Meet DIN863-2
- Graduation 0,01mm
- Ratchet stop
- Non-rotating spindle



6377-25W



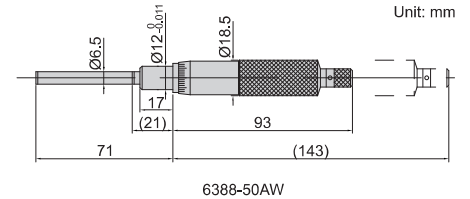
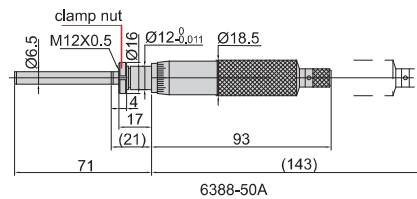
Code	Range	Stem	Spindle tip	Accuracy
6377-25W	0-25mm	plain	flat (carbide)	3 $\mu$ m

## LARGE MICROMETER HEADS



6388-50AW

- Graduation 0,01mm
- Ratchet stop



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

## QUICK SPINDLE FEEDING MICROMETER HEADS



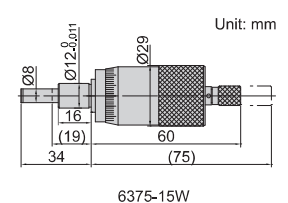
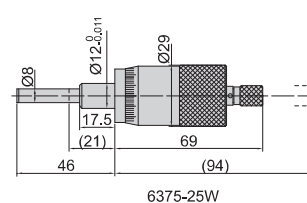
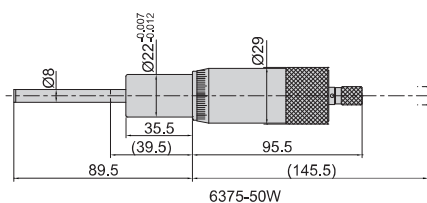
6375-50W



6375-25W



6375-15W



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

- Micrometers up to 25mm meet DIN863-2
- Graduation 0,01mm
- Quick spindle feed of 1mm/rev.
- Ratchet stop