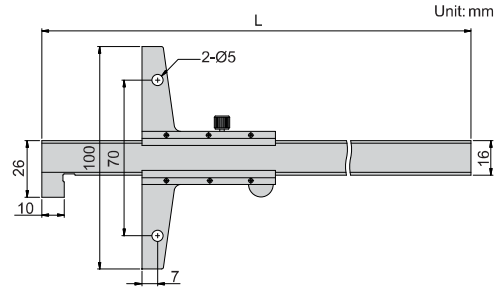
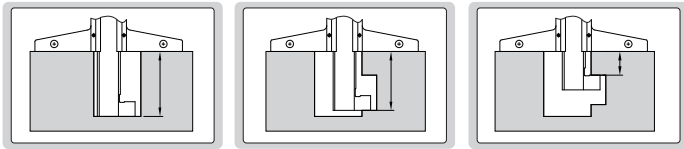


## VERNIER HOOK DEPTH GAGE



1248-1501

- Made of stainless steel
- Satin chrome plating finish on reading surface
- Optional accessory: extension base (code 6141)



### Graduation 0.02mm

Code	Range	Accuracy	L
1248-1501	0-150mm	±0.03mm	266mm
1248-2001	0-200mm	±0.03mm	316mm
1248-3001	0-300mm	±0.04mm	416mm

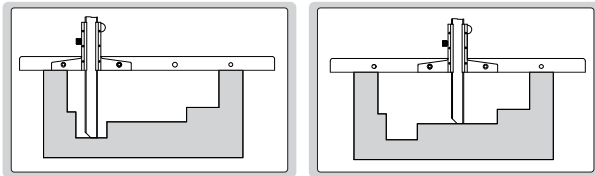
### Graduation 0.05mm

Code	Range	Accuracy	L
1248-150	0-150mm	±0.05mm	266mm
1248-200	0-200mm	±0.05mm	316mm
1248-300	0-300mm	±0.08mm	416mm

## EXTENSION BASE

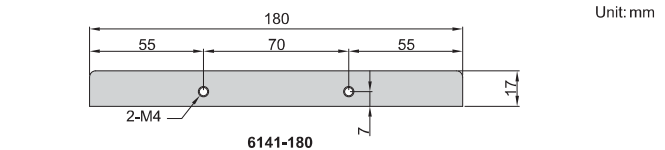


6141-260

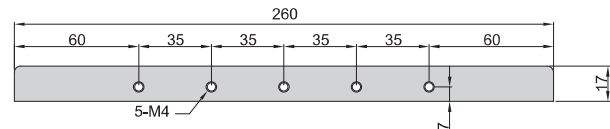


- Supplied with two screws
- Made of stainless steel
- Suitable for depth gauges series 1147, 1247, 1248 and 1249

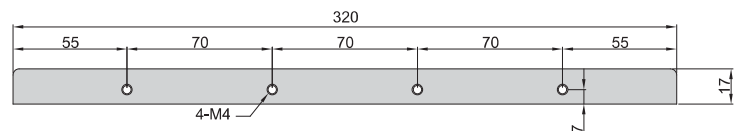
Code	Length
6141-180	180mm
6141-260	260mm
6141-320	320mm



6141-180



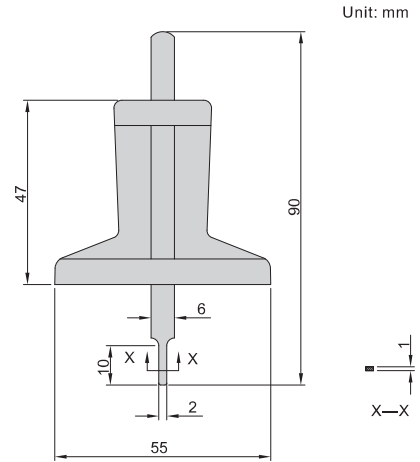
6141-260



6141-320

## VERNIER DEPTH GAGE

BASIC MODEL



Unit: mm

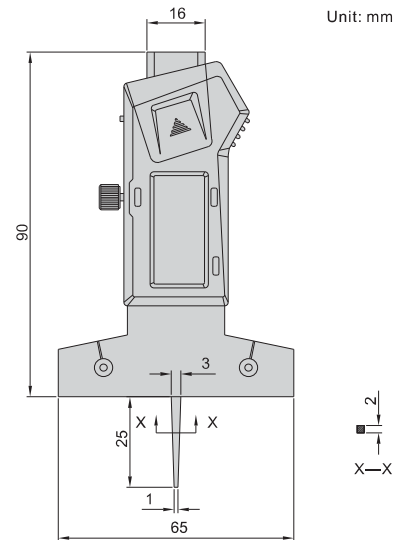
- Graduation: 0.1mm
- Made of stainless steel

Code	Range	Accuracy
1244-30	0-30mm	±0.10mm

1244-30

## DIGITAL DEPTH GAGE

DATA OUTPUT

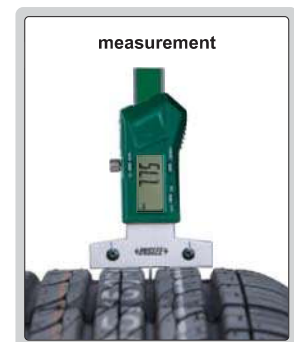


Unit: mm

1145-25A

- Measure depth of small groove and hole, also measure depth of tire tread
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output system

Code	Range	Accuracy
1145-25A	0-25mm/0-1"	±0.03mm

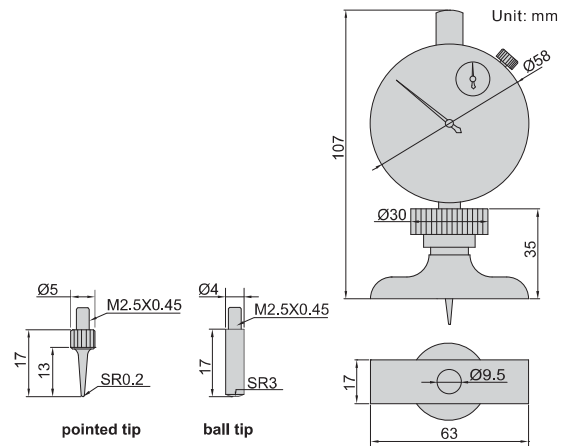


## DIAL DEPTH GAGE



2341-101A

- Stainless steel base
- Supplied with pointed tip and ball tip



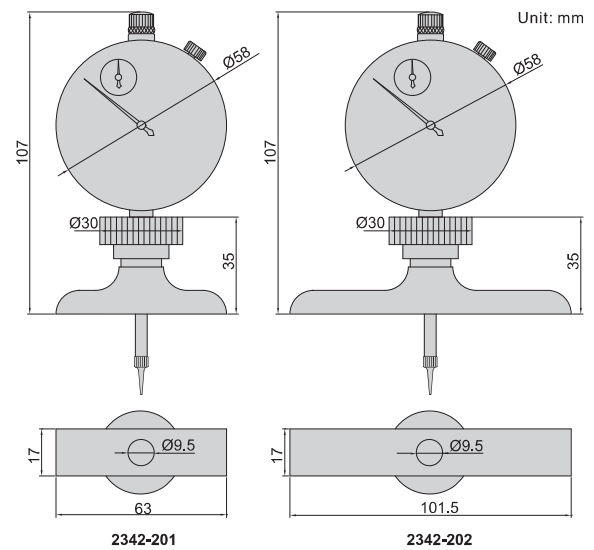
Code	Range	Dial indicator stroke	Dial indicator graduation	Accuracy
2341-101A	0-10mm	10mm	0.01mm	±0.017mm

## DIAL DEPTH GAGE



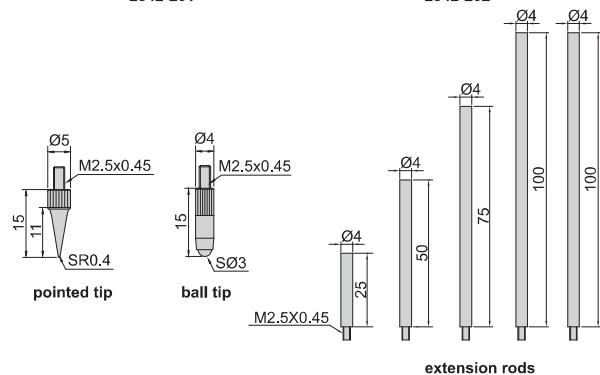
2342-202

- Dial indicator graduation: 0.01mm
- Accuracy: ±0.03mm
- Stainless steel base
- Extension rods: 25mm(1pc), 50mm(1pc), 75mm(1pc), 100mm(2pcs)
- Supplied with pointed tip and ball tip



2342-201

2342-202



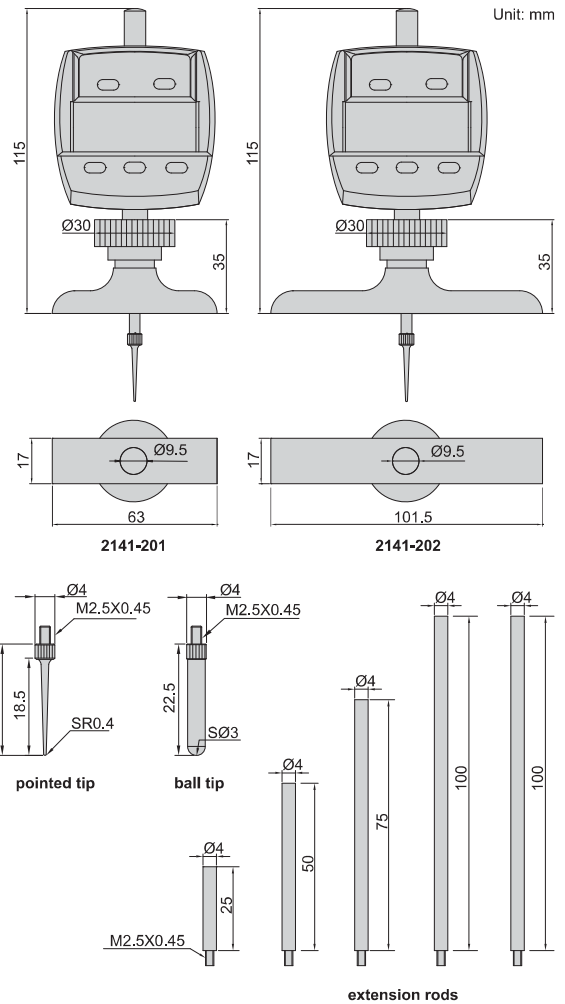
extension rods

Code	Range	Dial indicator stroke	Base
2342-201	0-300mm	30mm	63x17mm
2342-202	0-300mm	30mm	101.5x17mm

# DIGITAL DEPTH GAGE



2141-202



Unit: mm

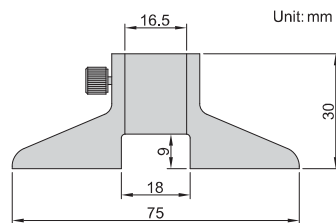
- Mode button: to track the minimum or maximum reading
- '+/-' button: to change measuring direction
- CR2032 battery, automatic power off
- Stainless steel base
- Extension rods: 25mm(1pc), 50mm(1pc), 75mm(1pc), 100mm(2pcs)
- Supplied with pointed tip and ball tip

Code	Range	Digital indicator stroke	Digital indicator resolution	Accuracy	Base
2141-201	0-300mm/0-12"	25.4mm/1"	0.005mm/0.0005"	±0.03mm	63x17mm
2141-202	0-300mm/0-12"	25.4mm/1"	0.005mm/0.0005"	±0.03mm	101.5x17mm

# DEPTH BASE ATTACHMENT



6140



Unit: mm



**Code**  
6140

- To increase the stability of depth measurement
- Suitable for 0-150mm and 0-200mm of vernier calipers, digital calipers and dial calipers with beam width of 16mm
- Made of stainless steel

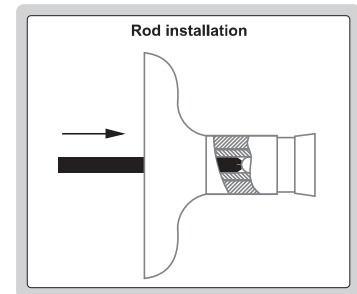
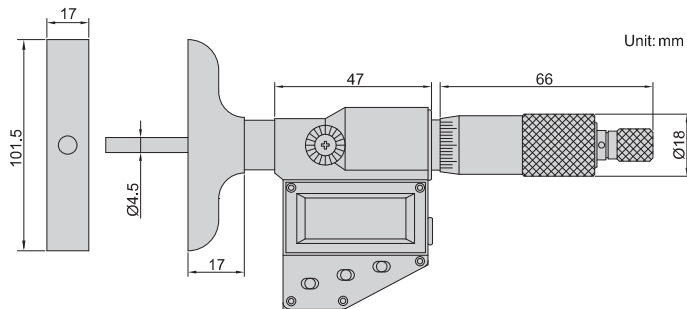
**IP54**  
WATERPROOF

**DATA**  
OUTPUT

## DIGITAL DEPTH MICROMETER



3540-50



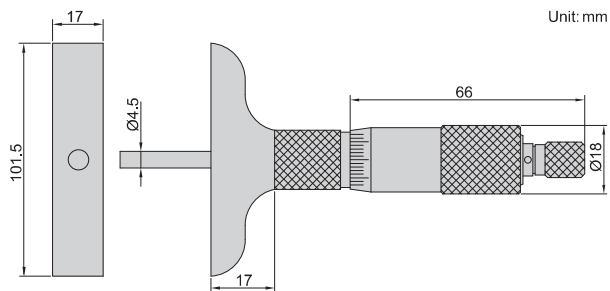
- Resolution: 0.001mm/0.00005"
- Micrometer head accuracy:  $\pm 3\mu\text{m}$
- Rod accuracy:  $\pm(2+L/75)\mu\text{m}$ , L is the measuring range in mm
- Button function: on/off, set, mm/inch, ABS/INC, data output
- IP54 dust/waterproof
- Data output
- SR44 or LR44 battery, automatic power off
- Rods with flat end
- Ratchet stop
- Optional accessory: data output system

Code	Range	Rods
3540-50	0-50mm/0-2"	2pcs
3540-150	0-150mm/0-6"	6pcs
3540-300	0-300mm/0-12"	12pcs

## DEPTH MICROMETER

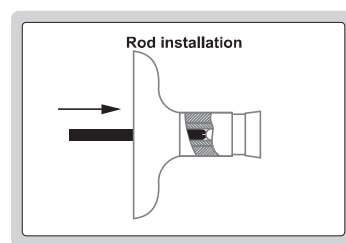


3240-100



Code	Range	Rods
3240-25	0-25mm	1pc
3240-50	0-50mm	2pcs
3240-75	0-75mm	3pcs
3240-100	0-100mm	4pcs
3240-150	0-150mm	6pcs
3240-200	0-200mm	8pcs
3240-300	0-300mm	12pcs

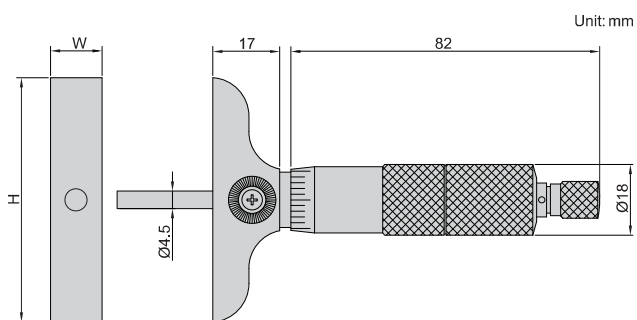
- Graduation: 0,01mm
- Micrometer head accuracy:  $\pm 3\mu\text{m}$
- Rod accuracy:  $\pm (2+L/75)\mu\text{m}$ , L is the measuring range in mm
- Rods with flat end
- Ratchet stop



## DEPTH MICROMETER



3241-100



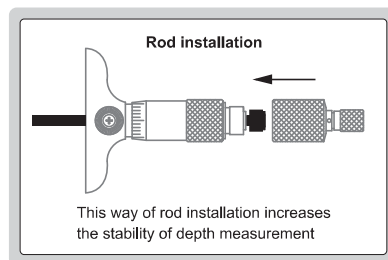
Base: HxW=101,5x17mm

Code	Range	Rods
3241-25	0-25mm	1pc
3241-50	0-50mm	2pcs
3241-75	0-75mm	3pcs
3241-100	0-100mm	4pcs
3241-150	0-150mm	6pcs
3241-200	0-200mm	8pcs
3241-300	0-300mm	12pcs

- Graduation: 0,01mm
- Micrometer head accuracy:  $\pm 3\mu\text{m}$
- Rod accuracy:  $\pm (2+L/75)\mu\text{m}$ , L is the measuring range in mm
- Rods with flat end
- Ratchet stop

Base: HxW=63x17mm

Code	Range	Rods
3241-B25	0-25mm	1pc



## NON-ROTATING SPINDLE DIGITAL MICROMETER

- Resolution: 0.001mm/0.00005"
- Repeatability: 1µm
- Measuring force: 5-10N
- Non-rotating spindle, suitable for cylinders
- Quick measurement: one turn of sleeve or ratchet stop makes 1mm spindle feed
- Carbide measuring faces
- Ratchet stop
- Data output
- Button function: mm/inch, max./min. value tracking, tolerance measurement, hold, on/off, zero
- CR2032 battery, automatic power off
- Supplied with setting standards (except 0-25mm/0-1")



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

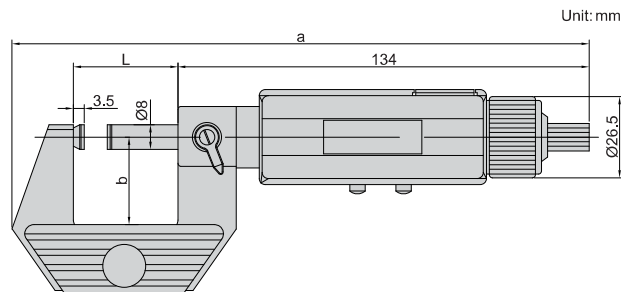
NON-ROTATING  
SPINDLE

DATA  
OUTPUT



3631-25

Code	Range	Accuracy	L	a	b
3631-25	0-25mm/0-1"	±2µm	34	188	28.5
3631-50	25-50mm/1-2"	±2µm	59	211	30
3631-75	50-75mm/2-3"	±3µm	84	240	44
3631-100	75-100mm/3-4"	±3µm	109	264	56
3631-125	100-125mm/4-5"	±3µm	134	289	76
3631-150	125-150mm/5-6"	±3µm	160	314	89



## NON-ROTATING SPINDLE DIGITAL MICROMETER

- Resolution: 0.001mm/0.00005"
- Repeatability: 1µm
- Measuring force: 5-10N
- Lever device suitable for mass production
- Non-rotating spindle, suitable for cylinders
- Quick measurement: one turn of sleeve or ratchet stop makes 1mm spindle feed
- Carbide measuring faces
- Ratchet stop
- Data output
- Button function: mm/inch, max./min. value tracking, tolerance measurement, hold, on/off, zero
- CR2032 battery, automatic power off



LEVER DEVICE SUITABLE FOR  
MASS PRODUCTION

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

NON-ROTATING  
SPINDLE

DATA  
OUTPUT



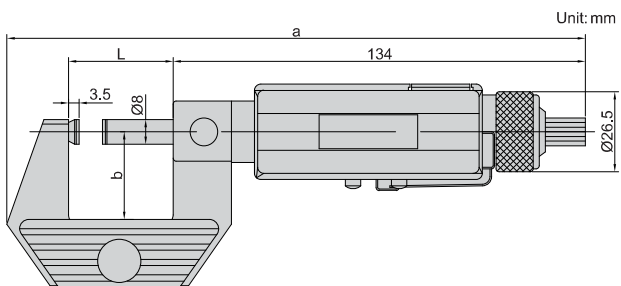
3632-25

**lever device**

Press lever device to retract the spindle 1.5mm (max.).  
Loose lever device to release the spindle to contact workpiece,  
measuring force is constant.

retracting stroke 1.5mm (max.)

Code	Range	Accuracy	L	a	b
3632-25	0-25mm/0-1"	±2µm	34	188	28.5



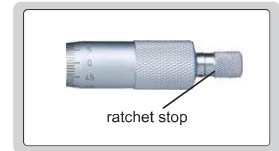
# DIGITAL OUTSIDE MICROMETER

**IP65**  
WATERPROOF

**DATA**  
OUTPUT



**3101-25A**

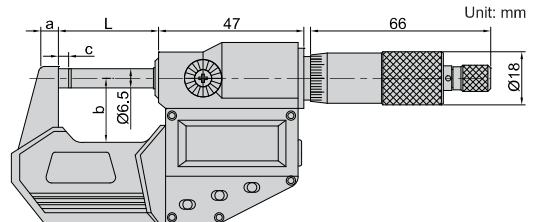


- Resolution 0.001mm/0.00005"  
(resolution of **3101-275A** and **3101-300A** is 0.001mm/0.0001")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output system

## Ratchet stop type

(mm)

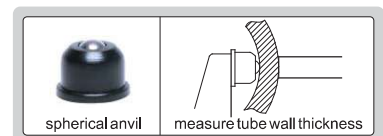
Code	Range	Accuracy	L	a	b	c
<b>3101-25A*</b>	0-25mm/0-1"	±2μm	32.5	6	24	3
<b>3101-50A*</b>	25-50mm/1-2"	±2μm	57.5	8	32	3
<b>3101-75A*</b>	50-75mm/2-3"	±3μm	82.5	8	44.5	3
<b>3101-100A*</b>	75-100mm/3-4"	±3μm	107.5	8	57	3
<b>3101-125A</b>	100-125mm/4-5"	±3μm	133	10	70	3
<b>3101-150A</b>	125-150mm/5-6"	±3μm	158.5	10	82	3
<b>3101-175A</b>	150-175mm/6-7"	±4μm	184	12	94.5	5.5
<b>3101-200A</b>	175-200mm/7-8"	±4μm	209.5	12	107	5.5
<b>3101-225A</b>	200-225mm/8-9"	±4μm	234	19.4	129.5	5.5
<b>3101-250A</b>	225-250mm/9-10"	±4μm	259.5	19.4	142.5	5.5
<b>3101-275A</b>	250-275mm/10-11"	±5μm	285	19.4	155	5.5
<b>3101-300A</b>	275-300mm/11-12"	±5μm	310.5	19.4	167.5	5.5



## Ratchet friction thimble type

(mm)

Code	Range	Accuracy	L	a	b	c
<b>3101-25FA*</b>	0-25mm/0-1"	±2μm	32.5	6	24	3



\* Supplied with manufacturer calibration certificate

# METRIC DIGITAL OUTSIDE MICROMETER



3108-25A

Ratchet stop type (mm)

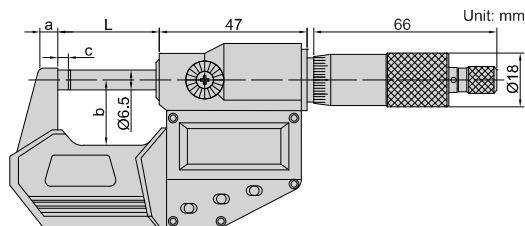
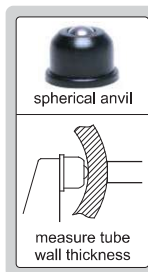
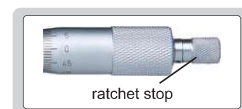
Code	Range	Accuracy	L	a	b	c
3108-25A*	0-25mm	±2µm	32.5	6	24	3
3108-50A*	25-50mm	±2µm	57.5	8	32	3
3108-75A*	50-75mm	±3µm	82.5	8	44.5	3
3108-100A*	75-100mm	±3µm	107.5	8	57	3
3108-125A	100-125mm	±3µm	133	10	70	3
3108-150A	125-150mm	±3µm	158.5	10	82	3
3108-175A	150-175mm	±4µm	184	12	94.5	5.5
3108-200A	175-200mm	±4µm	209.5	12	107	5.5

Ratchet friction thimble type (mm)

Code	Range	Accuracy	L	a	b	c
3108-25FA*	0-25mm	±2µm	32.5	6	24	3

\* Supplied with manufacturer calibration certificate

**IP54**  
WATERPROOF



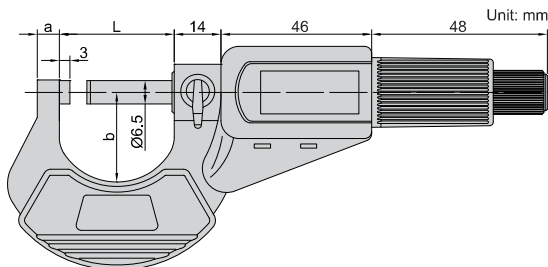
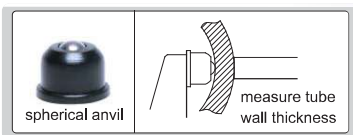
- Resolution 0.001mm
- IP54 dust/waterproof
- Button function: on/off, set, ABS/INC
- Without data output
- SR44 or LR44 battery, automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm)

# DIGITAL OUTSIDE MICROMETER

**BASIC MODEL**



3109-25A



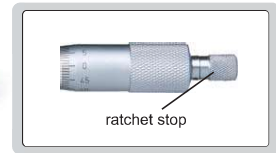
Code	Range	Accuracy	L	a	b
3109-25A*	0-25mm/0-1"	±2µm	32	6	27.5
3109-50A*	25-50mm/1-2"	±2µm	57	8	37
3109-75A*	50-75mm/2-3"	±3µm	82	8	50
3109-100A*	75-100mm/3-4"	±3µm	107	10	61

\* Supplied with manufacturer calibration certificate

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Without data output
- SR44 or LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



# OUTSIDE MICROMETER



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

## Metric (ratchet stop type) (mm)

Code	Range	Accuracy	L	a	b
3203-25A *	0-25mm	4μm	32	9	28
3203-50A *	25-50mm	4μm	57	14	38
3203-75A *	50-75mm	5μm	82	15	49
3203-100A *	75-100mm	5μm	107	15	60
3203-125A	100-125mm	6μm	133	16.5	73
3203-150A	125-150mm	6μm	158	16.5	85
3203-175A	150-175mm	7μm	183	19.4	104
3203-200A	175-200mm	7μm	209	19.4	117
3203-225A	200-225mm	8μm	234	19.4	130
3203-250A	225-250mm	8μm	260	19.4	142
3203-275A	250-275mm	9μm	285	19.4	155
3203-300A	275-300mm	9μm	310	19.4	168

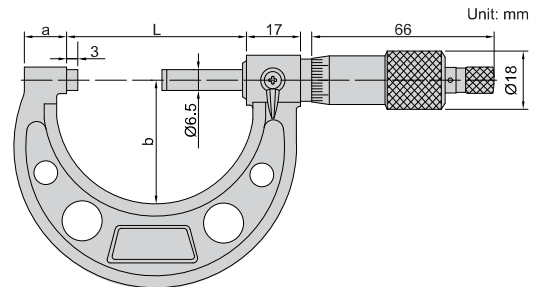
## Metric (ratchet friction thimble type) (mm)

Code	Range	Accuracy	L	a	b
3203-25FA *	0-25mm	4μm	32	9	28
3203-50FA *	25-50mm	4μm	57	14	38

## Imperial (ratchet stop type) (mm)

Code	Range	Accuracy	L	a	b
3203-1A *	0-1"	0.00015"	32	9	28
3203-2A *	1-2"	0.00015"	57	14	38
3203-3A *	2-3"	0.0002"	82	15	49
3203-4A *	3-4"	0.0002"	107	15	60
3203-5A *	4-5"	0.00025"	133	16.5	73
3203-6A *	5-6"	0.00025"	158	16.5	85

\* Supplied with manufacturer calibration certificate



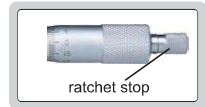
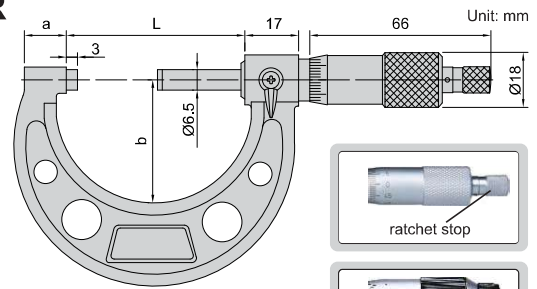
## Metric micrometer set (ratchet stop type)

Code	Range	Micrometers included
3203-753A *	0-75mm	3203-25A, 3203-50A, 3203-75A
3203-1004A *	0-100mm	3203-25A, 3203-50A, 3203-75A, 3203-100A
3203-1506A	0-150mm	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A
3203-3006A	150-300mm	3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A
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

## 1µm GRADUATION OUTSIDE MICROMETER



3210-25A



### Ratchet stop type (mm)

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

### Ratchet 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

- Graduation 0,001mm
- Carbide measuring faces
- Meet DIN863
- Supplied with setting standards (except 0-25mm)

### Micrometer set (ratchet stop type)

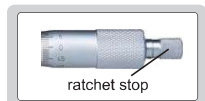
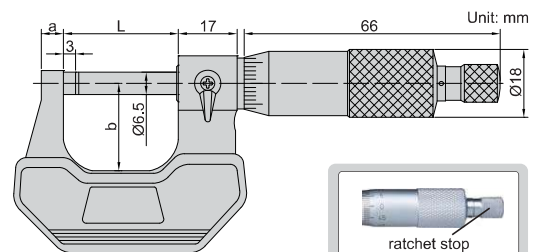
Code	Range	Micrometers included
3210-753A*	0-75mm	3210-25A, 3210-50A, 3210-75A
3210-1004A*	0-100mm	3210-25A, 3210-50A, 3210-75A, 3210-100A
3210-1506A	0-150mm	3210-25A, 3210-50A, 3210-75A, 3210-100A, 3210-125A, 3210-150A

\*Supplied with manufacturer calibration certificate

## OUTSIDE MICROMETER



3202-25A



### Ratchet stop type (mm)

Code	Range	Accuracy	L	a	b
3202-25A*	0-25mm	4µm	32	6	24
3202-50A*	25-50mm	4µm	57	8	32
3202-75A*	50-75mm	5µm	82	8	45
3202-100A*	75-100mm	5µm	107	8	57
3202-125A	100-125mm	6µm	133	8	70
3202-150A	125-150mm	6µm	158	8	82
3202-175A	150-175mm	7µm	183	8	95
3202-200A	175-200mm	7µm	209	8	107

### Ratchet friction thimble type (mm)

Code	Range	Accuracy	L	a	b
3202-25FA*	0-25mm	4µm	32	6	24
3202-50FA*	25-50mm	4µm	57	8	32

- Graduation 0,01mm
- Carbide measuring faces
- Meet DIN863
- Supplied with setting standards (except 0-25mm)

### Micrometer set (ratchet stop type)

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

\*Supplied with manufacturer calibration certificate

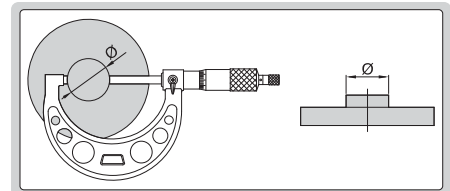
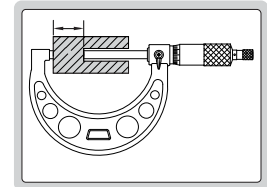
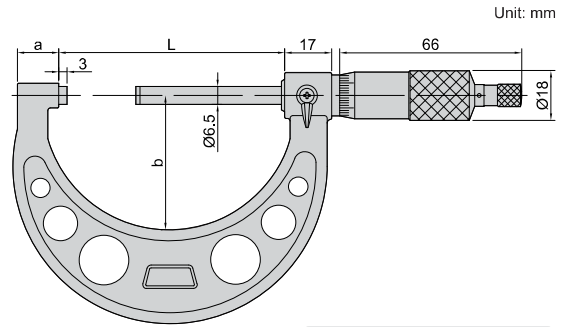
## LONG SPINDLE OUTSIDE MICROMETER



3209-25

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

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



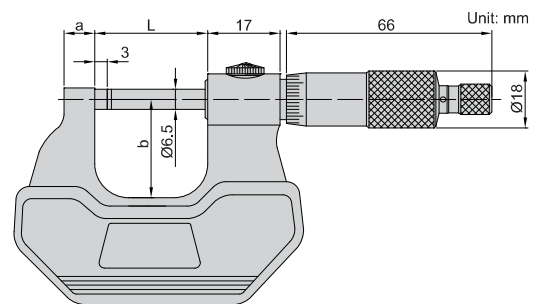
## OUTSIDE MICROMETER FOR LEFT AND RIGHT HAND



front



back



3236-25B

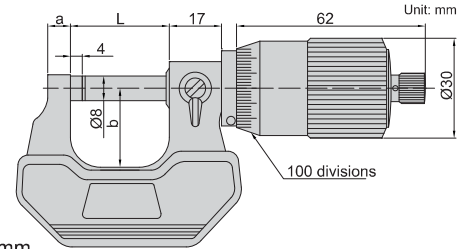
Code	Range	Accuracy	L	a	b
3236-25B	0-25mm	4μm	32	6	24
3236-50B	25-50mm	4μm	57	8	32

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

## QUICK FEEDING OUTSIDE MICROMETER



3208-25B



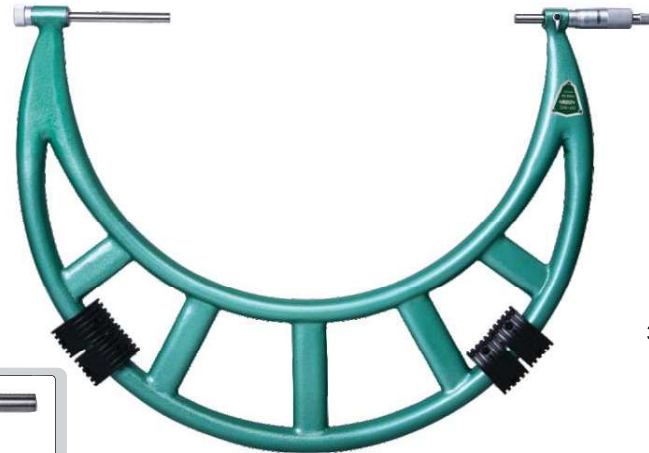
(mm)					
Code	Range	Accuracy	L	a	b
3208-25B	0-25mm	4µm	32	6	24
3208-50B	25-50mm	4µm	57	8	32
3208-75B	50-75mm	5µm	82	8	45
3208-100B	75-100mm	5µm	107	8	57

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

## OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

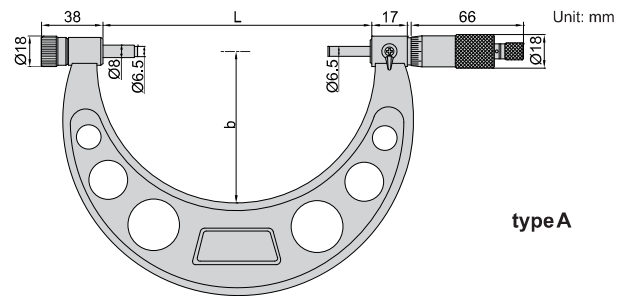


3206-150A

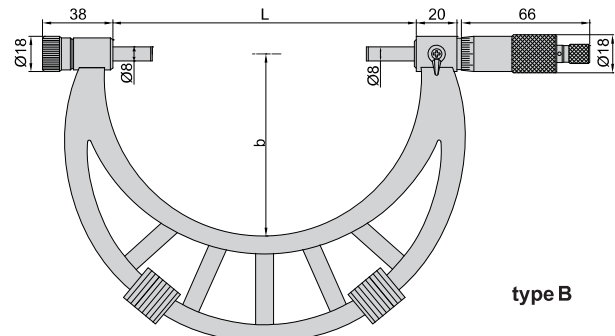


3206-400

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



type A



type B

(mm)					
Code	Range	Type	Accuracy	L	b
3206-50A	0-50mm	A	4µm	58	35
3206-100A	0-100mm	A	5µm	108	57
3206-150A	0-150mm	A	6µm	158	82
3206-151A	50-150mm	A	6µm	158	82
3206-200A	100-200mm	A	7µm	208	114
3206-300A	150-300mm	A	9µm	308	165
3206-301A	200-300mm	A	9µm	308	165
3206-400	300-400mm	B	11µm	409	224
3206-500	400-500mm	B	13µm	509	275
3206-600	500-600mm	B	14µm	609	321
3206-700	600-700mm	B	16µm	709	371
3206-800	700-800mm	B	18µm	809	426
3206-900	800-900mm	B	20µm	909	476
3206-1000	900-1000mm	B	22µm	1009	576

# DIGITAL OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

**IP54**  
WATERPROOF

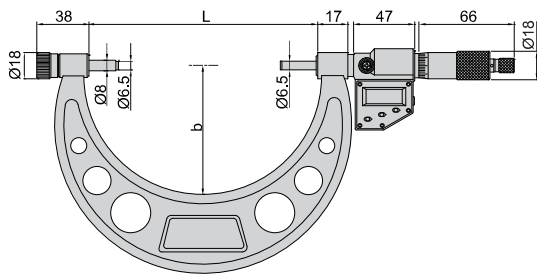
**DATA**  
OUTPUT



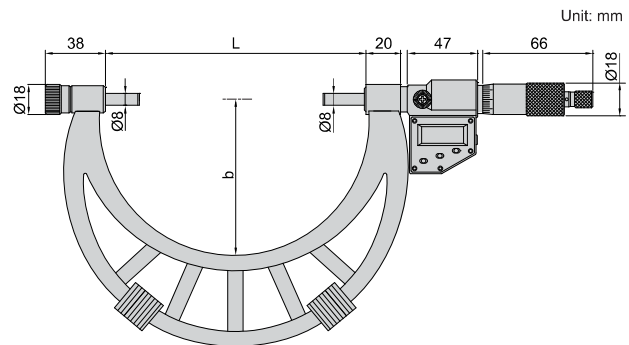
3506-100A



3506-400A



type A



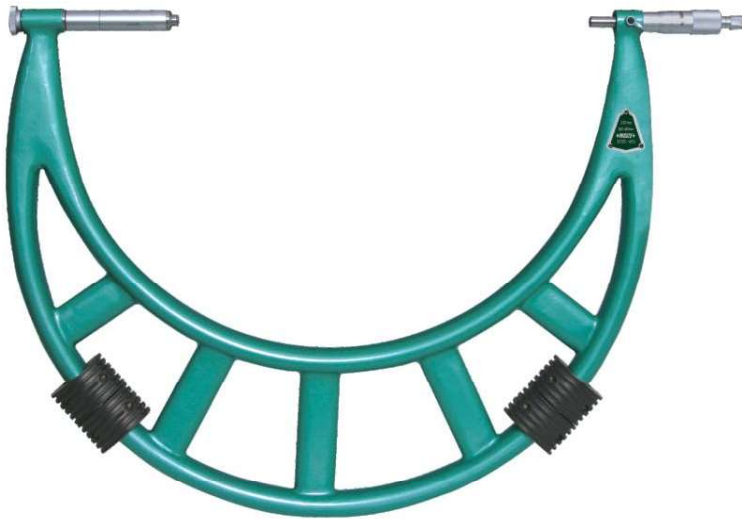
type B



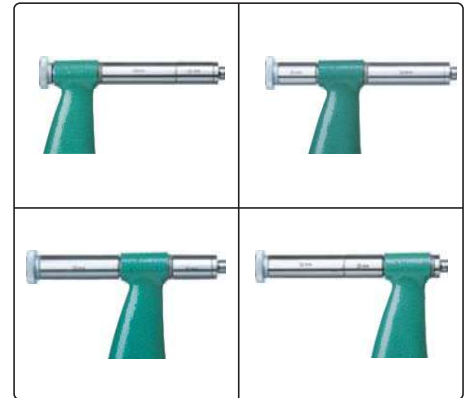
Code	Range	Type	Accuracy	L	b
3506-100A	0-100mm/0-4"	A	±5μm	105	57
3506-150A	0-150mm/0-6"	A	±6μm	155	82
3506-300A	150-300mm/6-12"	A	±8μm	305	165
3506-301A	200-300mm/8-12"	A	±8μm	305	165
3506-400A	300-400mm/12-16"	B	±9μm	405	224
3506-500A	400-500mm/16-20"	B	±11μm	505	275
3506-600A	500-600mm/20-24"	B	±12μm	605	321
3506-700A	600-700mm/24-28"	B	±13μm	705	371
3506-800A	700-800mm/28-32"	B	±15μm	805	426
3506-900A	800-900mm/32-36"	B	±16μm	905	476
3506-1000A	900-1000mm/36-40"	B	±17μm	1005	576

- Resolution 0.001mm/0.0001" (resolution of 3506-100A and 3506-150A is 0.001mm/0.00005")
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output system

# OUTSIDE MICROMETER WITH EXTENSION ANVIL COLLAR

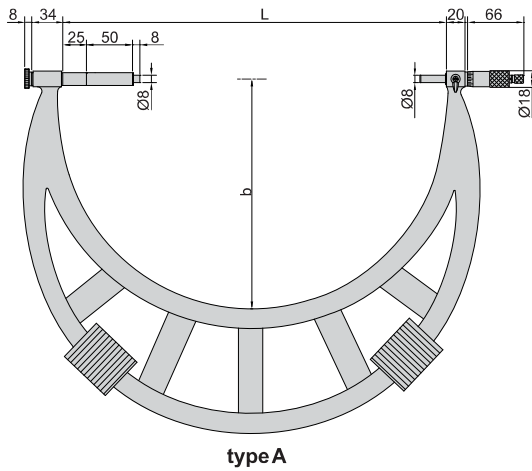


3205-400

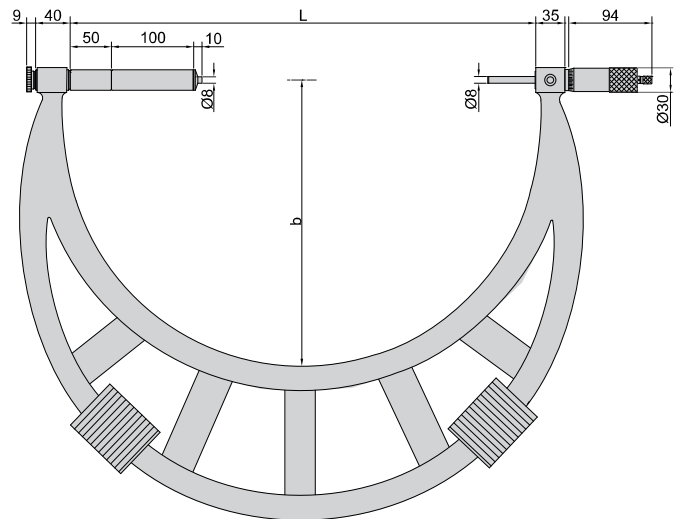


adjust collars for different measuring ranges

Unit: mm



type A



type B

(mm)

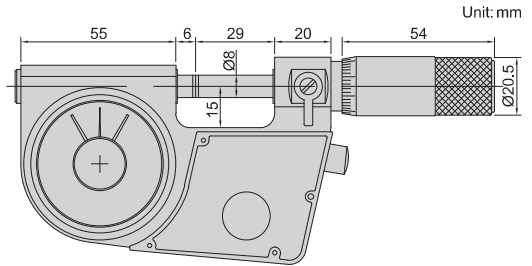
Code	Range	Type	Accuracy	L	b
3205-400	300-400mm	A	11 $\mu$ m	410	250
3205-500	400-500mm	A	13 $\mu$ m	510	295
3205-600	500-600mm	A	14 $\mu$ m	610	345
3205-700	600-700mm	A	16 $\mu$ m	710	395
3205-800	700-800mm	A	18 $\mu$ m	810	445
3205-900	800-900mm	A	20 $\mu$ m	910	495
3205-1000	900-1000mm	A	22 $\mu$ m	1010	545
3205-1200	1000-1200mm	B	22 $\mu$ m	1210	645
3205-1400	1200-1400mm	B	24 $\mu$ m	1410	745
3205-1600	1400-1600mm	B	28 $\mu$ m	1610	845
3205-1800	1600-1800mm	B	31 $\mu$ m	1810	945
3205-2000	1800-2000mm	B	34 $\mu$ m	2010	1045

- Graduation 0,01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

# INDICATING MICROMETER



3333-25



- Carbide measuring faces
- Measuring force 5-10N

Code	Micrometer head			Dial indicator		
	Range	Graduation	Accuracy	Range	Graduation	Accuracy
3333-25	0-25mm	0.01mm	2µm	±0.07mm	1µm	1µm

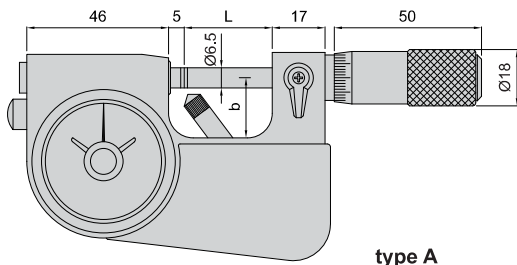
# INDICATING MICROMETER



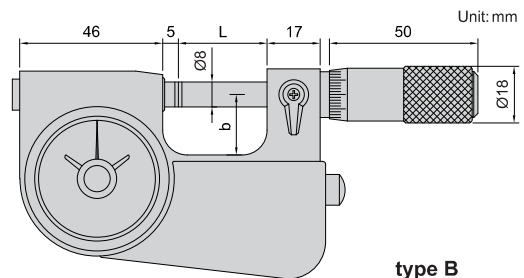
3332-25



3332-25B



type A



type B

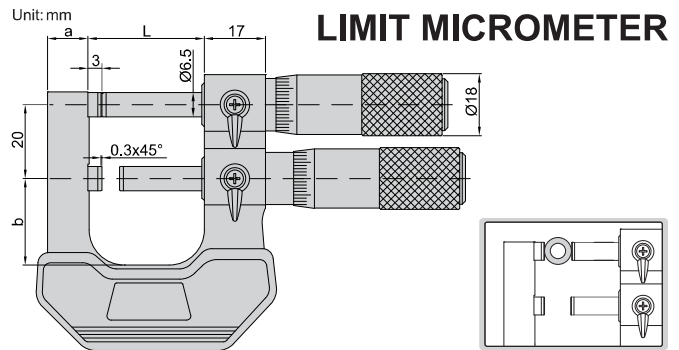
Code	Micrometer head range	Micrometer head accuracy	Type	L	b
3332-25	0-25mm	4µm	A	28.5	19
3332-50	25-50mm	4µm	A	53.5	30
3332-75	50-75mm	5µm	A	78.5	45
3332-100	75-100mm	5µm	A	103.5	57
3332-25B	0-25mm	4µm	B	28.5	19

(mm)

- Micrometer head graduation: 0.002mm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3235-25A



## LIMIT MICROMETER

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

(mm)

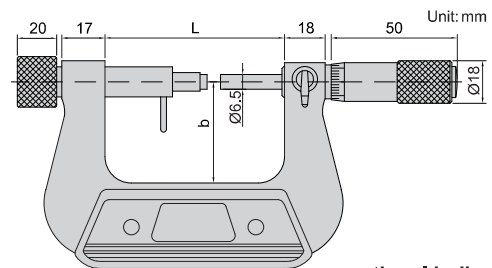
- Used as Go/No-Go gauge by setting upper and lower limits
- Graduation 0.002mm
- Carbide measuring faces
- Supplied with setting standard (except 0-25mm)



dial indicator is not included

3331-25A

## INDICATING MICROMETER



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

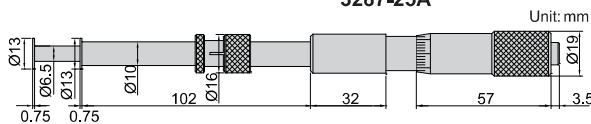
(mm)

- Micrometer head graduation 0.01mm
- Anvil retracting range: 8mm
- Optional indicators: dial indicator, range 10mm, graduation 0.01mm (code **2308-10FA**)
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

optional indicators



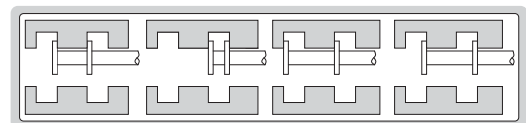
3287-25A



## GROOVE MICROMETER

Code	Range (outside)	Range (inside)	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

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



## BLADE MICROMETER

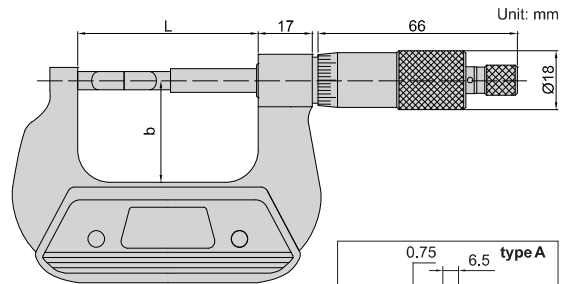
NON-ROTATING SPINDLE



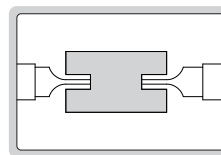
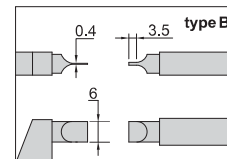
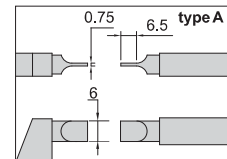
3232-25A

(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



Unit: mm



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

## DIGITAL BLADE MICROMETER

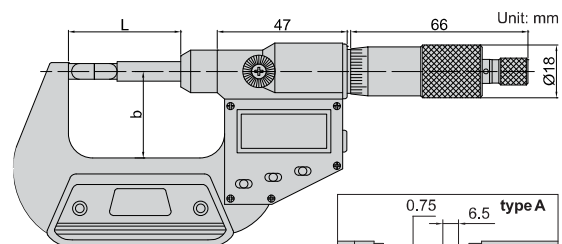
DATA OUTPUT

NON-ROTATING SPINDLE

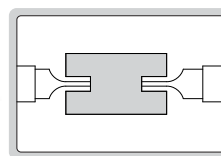
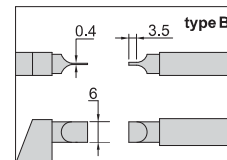
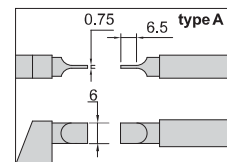


3532-25A

Code	Range	Type	Accuracy	L	b
3532-25A	0-25mm/0-1"	A	±4μm	57	32
3532-50A	25-50mm/1-2"	A	±4μm	82	44.5
3532-75A	50-75mm/2-3"	A	±5μm	107	57
3532-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3532-25BA	0-25mm/0-1"	B	±4μm	57	32
3532-50BA	25-50mm/1-2"	B	±4μm	82	44.5



Unit: mm

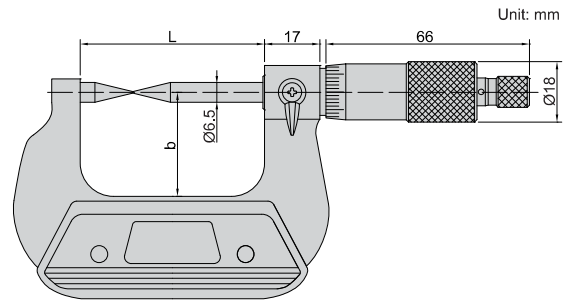


- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output system



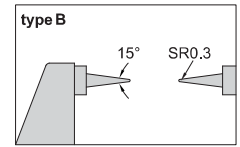
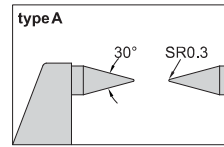
3230-25A

## POINT MICROMETER



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

(mm)



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

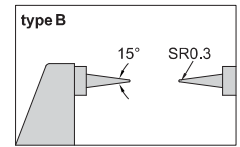
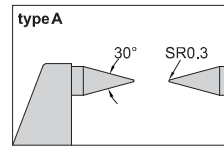
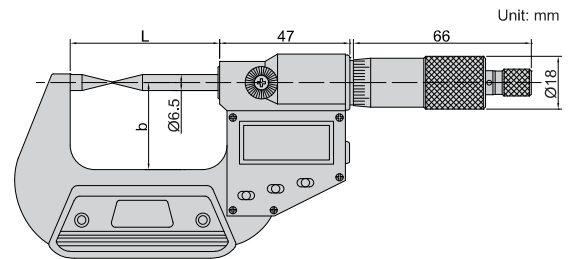
**IP54**  
WATERPROOF

**DATA**  
OUTPUT



3530-25A

## DIGITAL POINT MICROMETER



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

(mm)

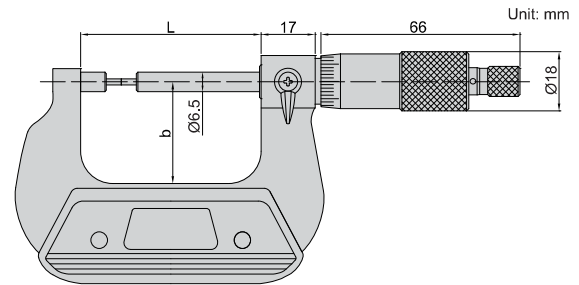
- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output system

## SPLINE MICROMETER

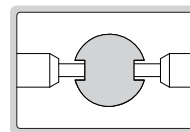
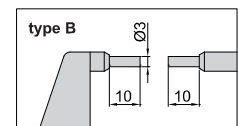
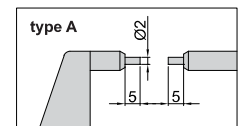


3233-25BA

Code	Range	Type	Accuracy	L	b
3233-25A	0-25mm	A	4μm	57	32
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



Unit: mm



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

## DIGITAL SPLINE MICROMETER

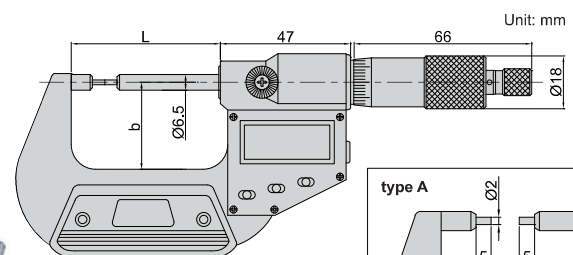


3533-25BA

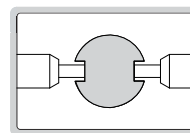
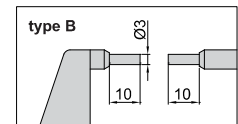
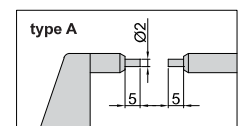
Code	Range	Type	Accuracy	L	b
3533-25A	0-25mm/0-1"	A	±4μm	57	32
3533-50A	25-50mm/1-2"	A	±4μm	82	44.5
3533-75A	50-75mm/2-3"	A	±5μm	107	57
3533-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3533-25BA	0-25mm/0-1"	B	±4μm	57	32
3533-50BA	25-50mm/1-2"	B	±4μm	82	44.5
3533-75BA	50-75mm/2-3"	B	±5μm	107	57
3533-100BA	75-100mm/3-4"	B	±5μm	132.6	69.5

**IP54**  
WATERPROOF

**DATA**  
OUTPUT



Unit: mm



- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output system

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

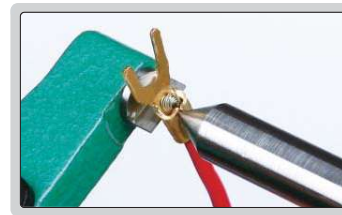
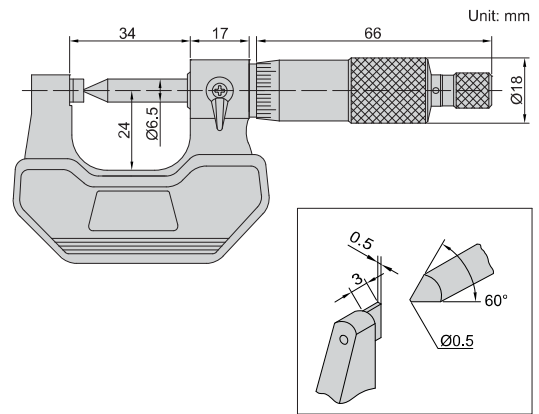


3266-25BA

- Measure the height of crimp contact
- Graduation 0,01mm
- Ratchet stop

Code	Range	Accuracy
3266-25BA	0-25mm	4μm

## CRIMP HEIGHT MICROMETER



## DIGITAL CRIMP HEIGHT MICROMETER

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

**IP54**  
WATERPROOF

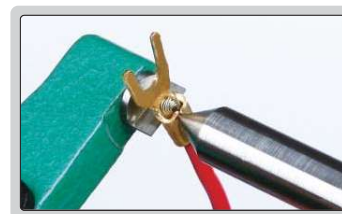
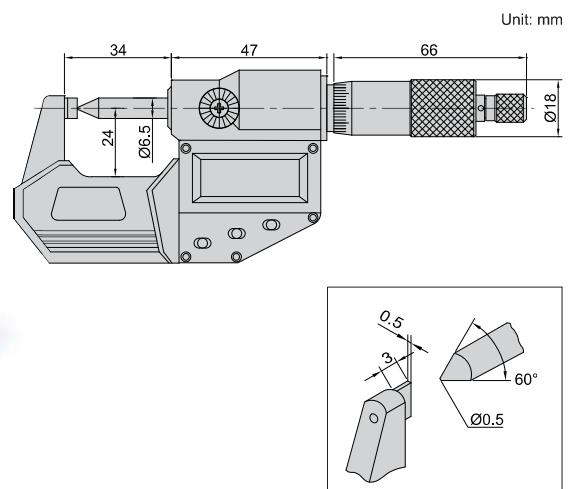
**DATA**  
OUTPUT



3566-25BA

- Measure the height of crimp contact
- Resolution 0,001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output system

Code	Range	Accuracy
3566-25BA	0-25mm/0-1"	±4μm

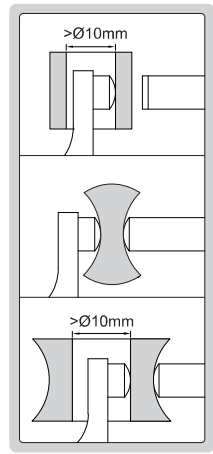
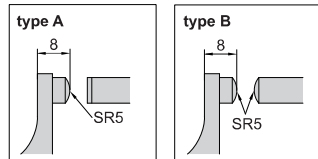
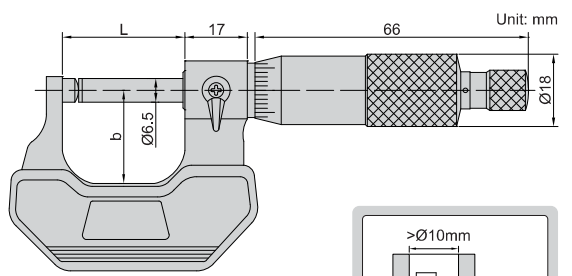


# SPHERICAL ANVIL TUBE MICROMETER



3260-25A

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



- Measure wall thickness of tubes
- Graduation 0,01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

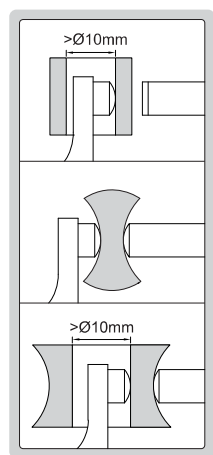
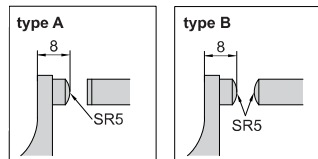
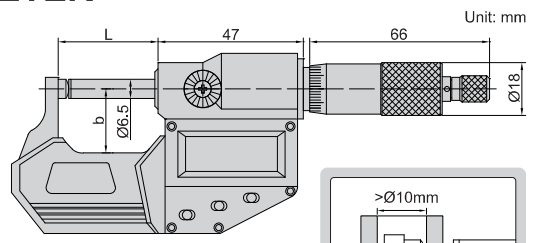
# DIGITAL SPHERICAL ANVIL TUBE MICROMETER

DATA OUTPUT IP54 WATERPROOF



3560-25A

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

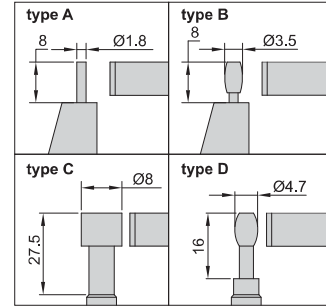
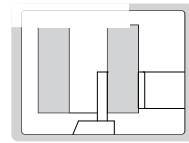
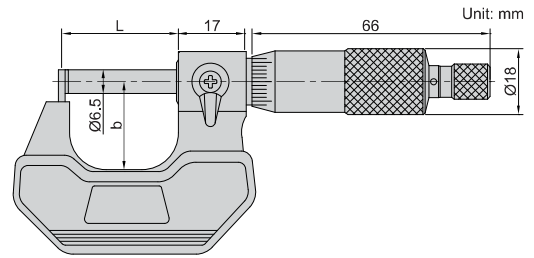


- Measure wall thickness of tubes
- Resolution 0,001mm/0,00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output system

## CYLINDRICAL ANVIL TUBE MICROMETER



3261-25A



Code	Range	Type	Accuracy	L	b
3261-25A	0-25mm	A	6µm	31	24
3261-50A	25-50mm	A	6µm	57	32
3261-25BA	0-25mm	B	6µm	31	24
3261-50BA	25-50mm	B	6µm	57	32
3261-25CA	0-25mm	C	6µm	31	24
3261-25DA	0-25mm	D	6µm	31	24

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

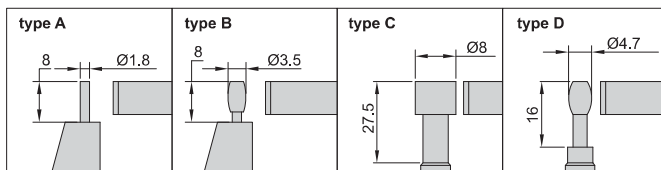
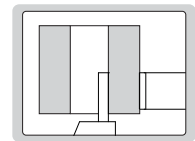
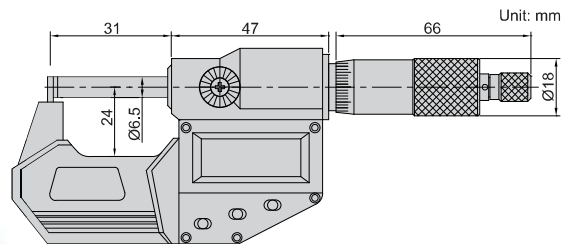
DATA  
OUTPUT

IP54  
WATERPROOF

## DIGITAL CYLINDRICAL ANVIL TUBE MICROMETER



3561-25A



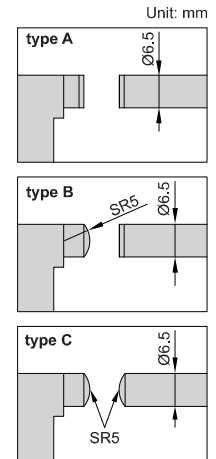
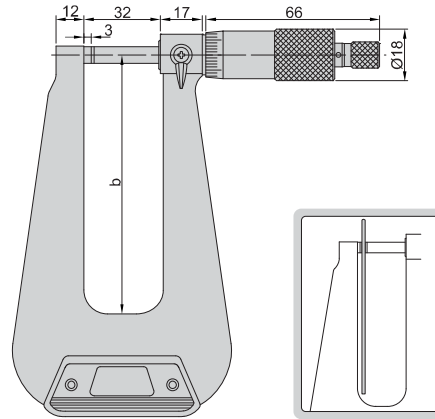
Code	Range	Type	Accuracy
3561-25A	0-25mm/0-1"	A	±6µm
3561-25BA	0-25mm/0-1"	B	±6µm
3561-25CA	0-25mm/0-1"	C	±6µm
3561-25DA	0-25mm/0-1"	D	±6µm

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output system

## SHEET METAL MICROMETER



3239-253



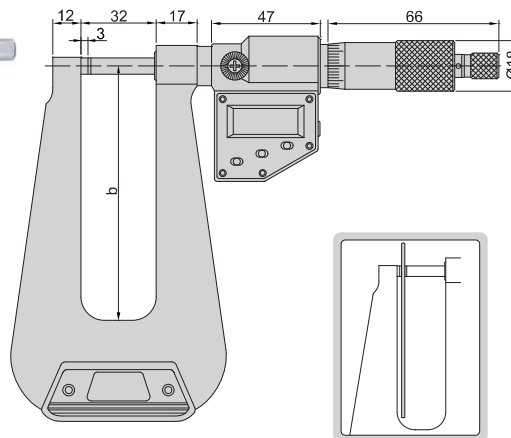
Code	Range	Type	Accuracy	b (mm)
3239-253	0-25mm	A	5µm	155
3239-253F	0-25mm	B	5µm	155
3239-254F	0-25mm	B	6µm	310
3239-253S	0-25mm	C	5µm	155

- Deep frame suitable for sheet metal, paper and plastic
- Graduation 0,01mm
- Ratchet stop
- Carbide measuring faces

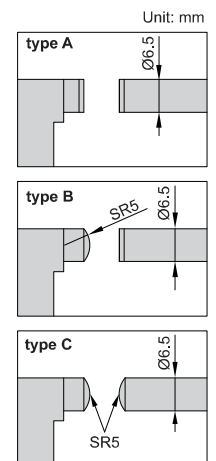
## DIGITAL SHEET METAL MICROMETER



3539-253A



DATA OUTPUT IP54 WATERPROOF



Code	Range	Type	Accuracy	b (mm)
3539-253A	0-25mm/0-1"	A	±5µm	155
3539-253FA	0-25mm/0-1"	B	±5µm	155
3539-254FA	0-25mm/0-1"	B	±6µm	310
3539-253SA	0-25mm/0-1"	C	±5µm	155

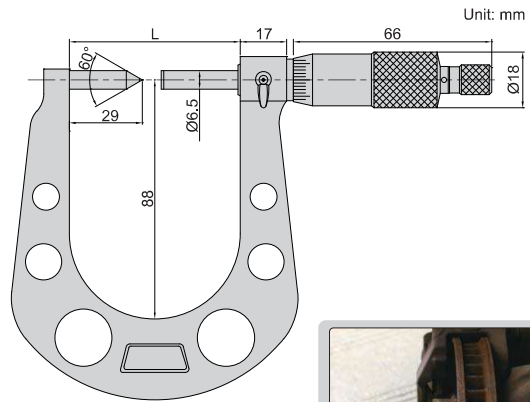
- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output system

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

## DISK BRAKE MICROMETER



3288-33A



(mm)

Code	Range	Accuracy	L
3288-33A	7,6-33mm	5µm	64,5
3288-50A	25-50mm	5µm	82

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

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

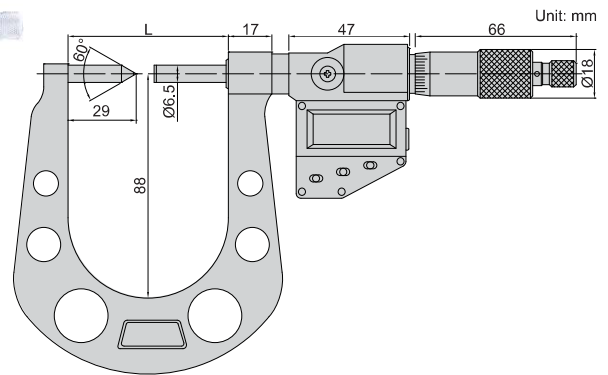
## DIGITAL DISK BRAKE MICROMETER

DATA  
OUTPUT

IP54  
WATERPROOF



3588-33A



(mm)

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

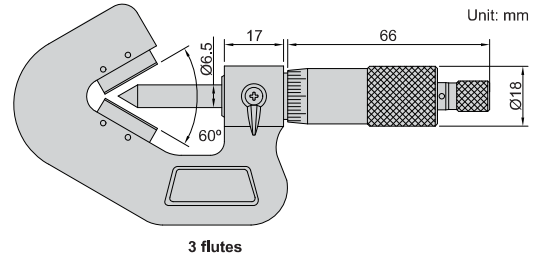
- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output system

## V-ANVIL MICROMETER

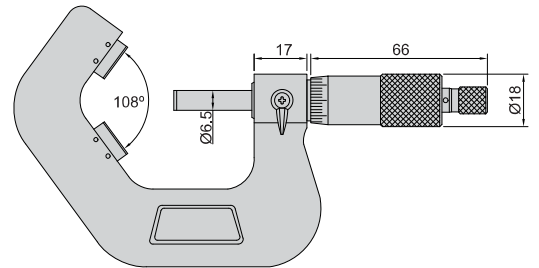


3290-153A

Code	Range	Flutes	Accuracy
3290-153A	1-15mm	3	4μm
3290-203A	5-20mm	3	4μm
3290-353A	20-35mm	3	5μm
3290-503A	35-50mm	3	5μm
3290-653A	50-65mm	3	6μm
3290-803A	65-80mm	3	6μm
3290-953A	80-95mm	3	7μm
3290-255A	5-25mm	5	4μm
3290-455A	25-45mm	5	5μm
3290-655A	45-65mm	5	6μm
3290-855A	65-85mm	5	7μm



3 flutes



5 flutes

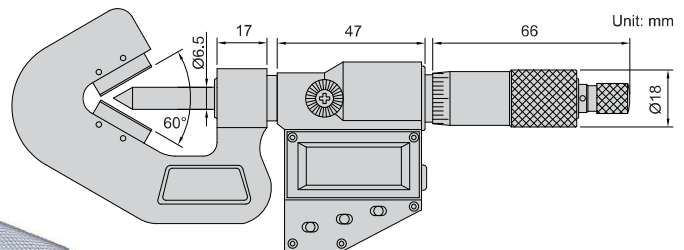
- Measure the outside diameter of cutting tools (such as taps, reamers, end mills) with 3 or 5 flutes
- Graduation 0,01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

## DIGITAL V-ANVIL MICROMETER



3590-153A

Code	Range	Flutes	Accuracy
3590-153A	1-15mm/0.04-0.6"	3	±4μm
3590-203A	5-20mm/0.2-0.8"	3	±4μm
3590-353A	20-35mm/0.8-1.4"	3	±5μm
3590-503A	35-50mm/1.4-2.0"	3	±5μm



DATA  
OUTPUT

IP54  
WATERPROOF

- Measure the outside diameter of cutting tools (such as taps, reamers, end mills) with 3 flutes
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output system

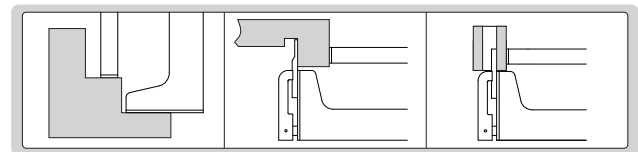
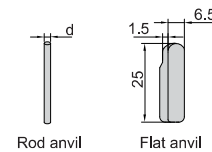
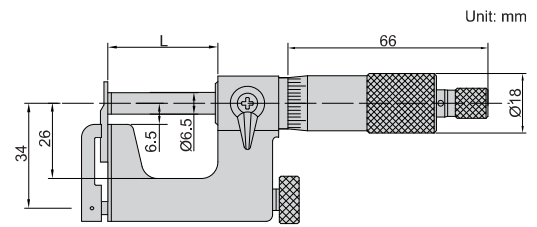
## INTERCHANGEABLE ANVIL MICROMETER



3262-25A

- 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)

Code	Range	Accuracy	L	d
3262-25A	0-25mm	4 $\mu$ m	28,5	$\varnothing$ 3
3262-50A	25-50mm	4 $\mu$ m	53,5	$\varnothing$ 5



DATA  
OUTPUT

IP54  
WATERPROOF

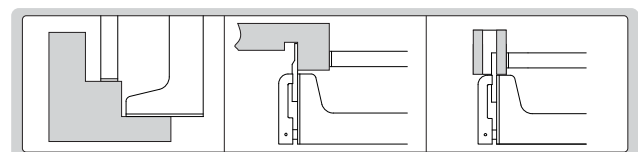
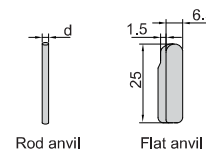
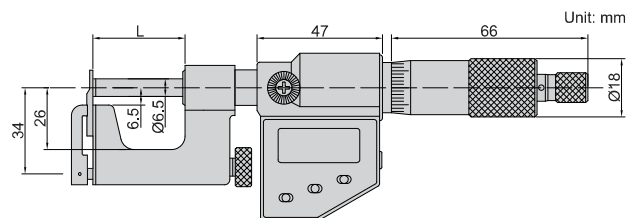
## DIGITAL INTERCHANGEABLE ANVIL MICROMETER



3562-25A

- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- Supplied with flat anvil and rod anvil
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output system

Code	Range	Accuracy	L	d
3562-25A	0-25mm/0-1"	$\pm$ 4 $\mu$ m	28,5	$\varnothing$ 3
3562-50A	25-50mm/1-2"	$\pm$ 4 $\mu$ m	53,5	$\varnothing$ 5

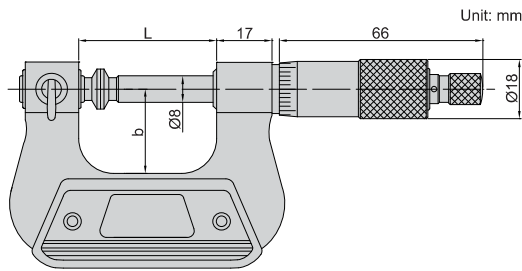


# NON ROTATING SPINDLE UNIVERSAL MICROMETER

NON-ROTATING  
SPINDLE



3280-25A



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

Code	Range	Accuracy	L	b
3280-25A	0-25mm	4µm	42	26
3280-50A	25-50mm	4µm	67	38

(mm)

## standard anvil/spindle tip

Unit: mm

Flat		
Spherical		
Spline		
Disk		
Blade		
Knife-edge		
Point		

## optional 55° anvil/spindle tip

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

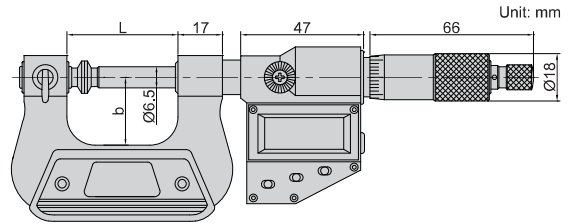
DATA  
OUTPUT

IP54  
WATERPROOF

## DIGITAL UNIVERSAL MICROMETER



3580-25A



- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip (same as series 3280, previous page)
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: 55° anvil/spindle tip code 3280-SP1 and 3280-SP2 (same as series 3280, previous page), data output system

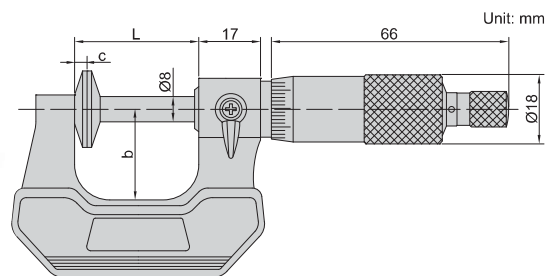
Code	Range	Accuracy	L	b
3580-25A	0-25mm/0-1"	±4µm	42	26
3580-50A	25-50mm/1-2"	±4µm	67	38

(mm)

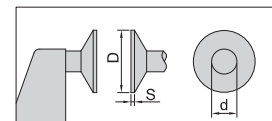
## DISK MICROMETER



3282-25

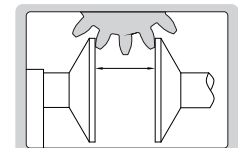


- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



Code	Range	Accuracy	L	b	c	D	S	d
3282-25	0-25mm	4µm	34	24	3.3	Ø20	0.7	Ø8
3282-50	25-50mm	4µm	59	32	3.3	Ø20	0.7	Ø8
3282-75	50-75mm	5µm	85	45	3.3	Ø20	0.7	Ø8
3282-100	75-100mm	5µm	110	57	3.3	Ø20	0.7	Ø8

(mm)

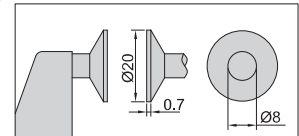
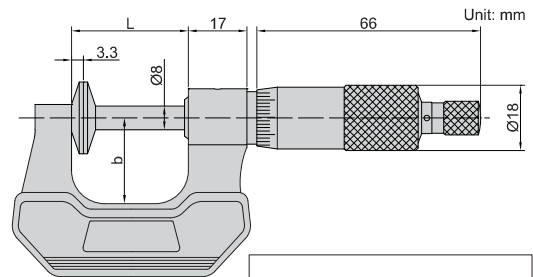


## NON ROTATING SPINDLE DISK MICROMETER

NON-ROTATING SPINDLE

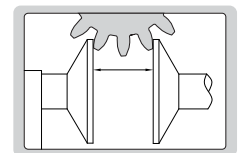


3294-25



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

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



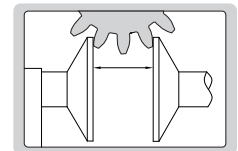
## DIGITAL NON ROTATING SPINDLE DISK MICROMETER

DATA OUTPUT

NON-ROTATING SPINDLE

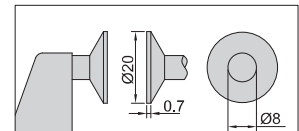
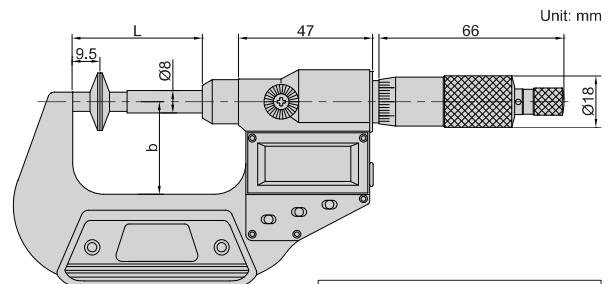


3594-25A



- 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
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output system

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

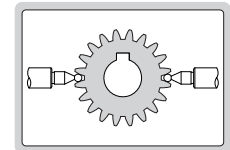
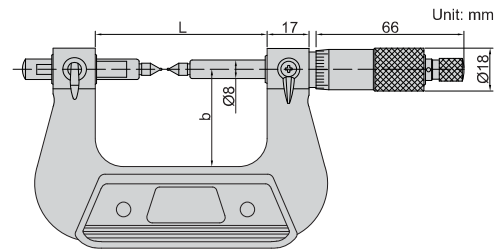


ball tips are not included



3291-25

## GEAR TOOTH MICROMETER



Code	Range	Micrometer head accuracy	Ball tips accuracy	L	b
3291-25	0-25mm	4µm	8µm	67	38
3291-50	25-50mm	4µm	8µm	92.4	50
3291-75	50-75mm	5µm	10µm	117.6	62
3291-100	75-100mm	5µm	10µm	143	70
3291-125	100-125mm	6µm	15µm	168.2	82
3291-150	125-150mm	6µm	15µm	192	94.5
3291-175	150-175mm	7µm	15µm	217	107

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

## DIGITAL GEAR TOOTH MICROMETER

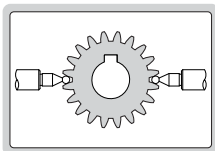
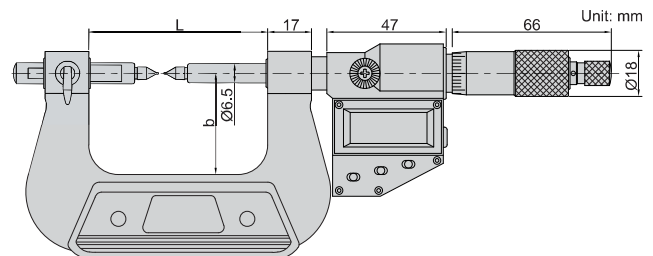
ball tips are not included



3591-25A

DATA  
OUTPUT

IP54  
WATERPROOF



Code	Range	Micrometer head accuracy	Ball tips accuracy	L	b
3591-25A	0-25mm/0-1"	±4µm	8µm	67	38
3591-50A	25-50mm/1-2"	±4µm	8µm	92.4	50
3591-75A	50-75mm/2-3"	±5µm	10µm	117.6	62
3591-100A	75-100mm/3-4"	±5µm	10µm	143	70

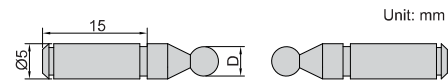
- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391, next page), data output system

## BALL TIPS FOR GEAR TOOTH MICROMETER

Code	Ball dia.(D)	Module
7391-T1	SØ1mm	0.6-0.65
7391-T2	SØ1.5mm	0.9-1.0
7391-T3	SØ2.0mm	1.25
7391-T4	SØ2.5mm	1.5
7391-T5	SØ3.0mm	1.75
7391-T6	SØ3.5mm	2
7391-T7	SØ4.0mm	2.25
7391-T8	SØ4.5mm	2.5
7391-T9	SØ5.0mm	2.75
7391-T10	SØ6.0mm	3.5
7391-TS	10 pairs/set, including all above tips	



7391-T5



## MEASURING TIPS FOR SCREW THREAD MICROMETER

Metric and unified thread (60° thread angle)

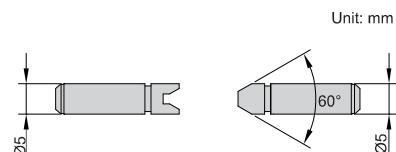
Code	Pitch
7381-T11	0.4-0.5mm/ 64-48TPI
7381-T12	0.6-0.9mm/ 44-28TPI
7381-T13	1-1.75mm/ 24-14TPI
7381-T14	2-3mm/ 13-9TPI
7381-T15	3.5-5mm/ 8-5TPI
7381-T16	5.5-7mm/ 4.5-3.5TPI
7381-TS	6 pairs/set, including all above tips



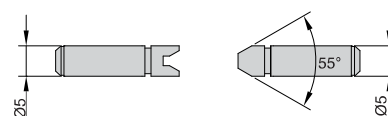
7381-T11

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



60° thread angle



55° thread angle

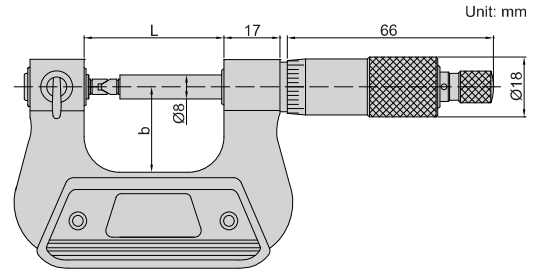
NON-ROTATING SPINDLE

measuring tips are not included



3281-25A

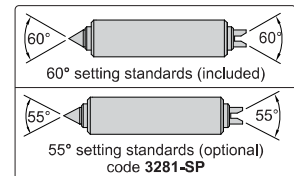
## SCREW THREAD MICROMETER



Unit: mm

Code	Range	Micrometer head accuracy	Measuring tips accuracy	L	b
3281-25A	0-25mm	4µm	8µm	42	26
3281-50A	25-50mm	4µm	8µm	67	38
3281-75A	50-75mm	5µm	10µm	92	50
3281-100A	75-100mm	5µm	10µm	117.6	62
3281-125A	100-125mm	6µm	15µm	143	70
3281-150A	125-150mm	6µm	15µm	168.2	82
3281-175A	150-175mm	7µm	15µm	192	94.5
3281-200A	175-200mm	7µm	15µm	217	107

(mm)



- 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 (code 3281-SP), measuring tips (code 7381, previous page)

## DIGITAL SCREW THREAD MICROMETER

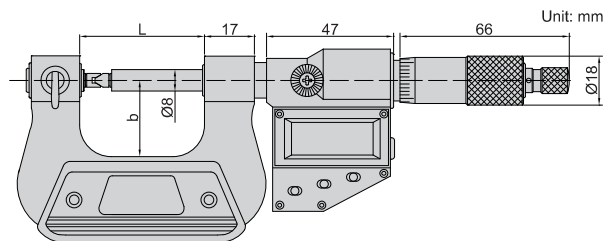
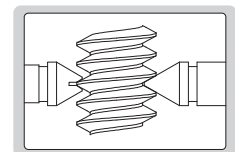
measuring tips are not included



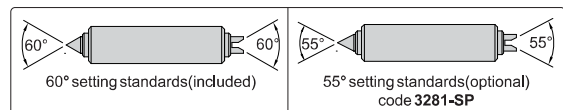
3581-25A

DATA OUTPUT

NON-ROTATING SPINDLE



Unit: mm



Code	Range	Micrometer head accuracy	Measuring tips accuracy	L	b
3581-25A	0-25mm/0-1"	±4µm	8µm	42	26
3581-50A	25-50mm/1-2"	±4µm	8µm	67	38
3581-75A	50-75mm/2-3"	±5µm	10µm	92	50
3581-100A	75-100mm/3-4"	±5µm	10µm	117.6	62

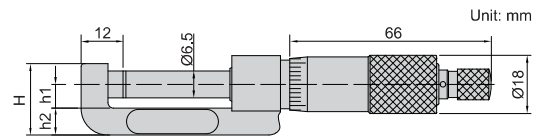
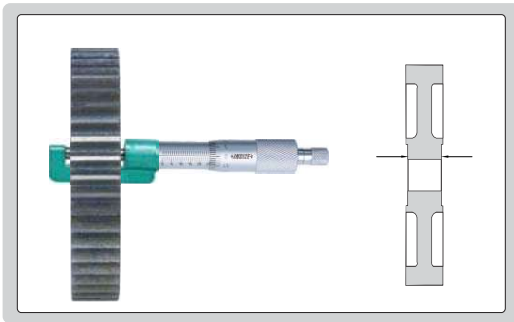
(mm)

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or 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 (code 3281-SP), measuring tips (code 7381, previous page), data output system

# HUB MICROMETER



3292-25



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

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

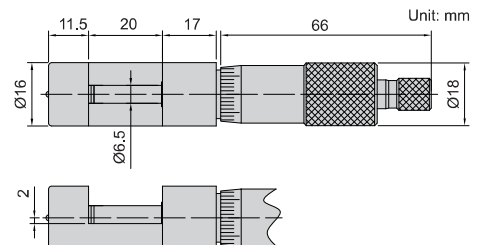
# WIRE MICROMETER



3285-10

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

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



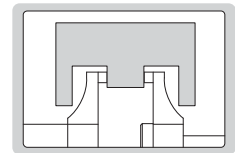
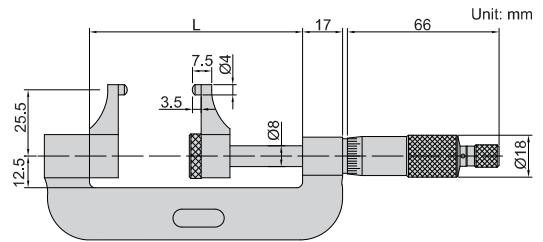
## CALIPER TYPE MICROMETER



3238-25

Code	Range	Accuracy	L (mm)
3238-25	0-25mm	5µm	56
3238-50	25-50mm	6µm	81

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



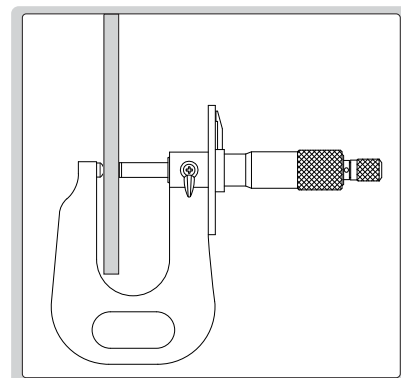
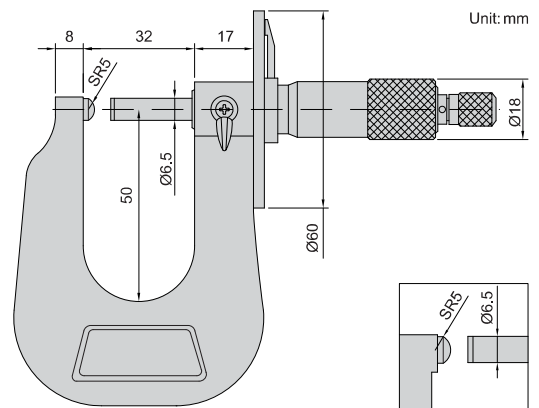
## SHEET METAL MICROMETER



3263-25A

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

Code	Range	Accuracy
3263-25A	0-25mm	4µm

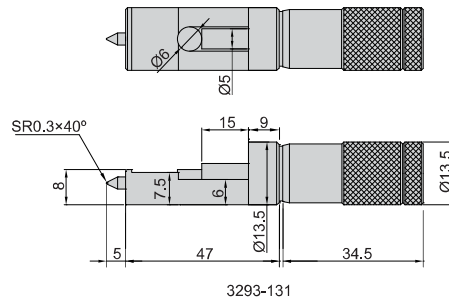


# CAN SEAM MICROMETER

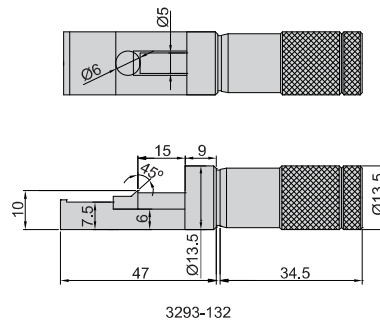
Unit: mm



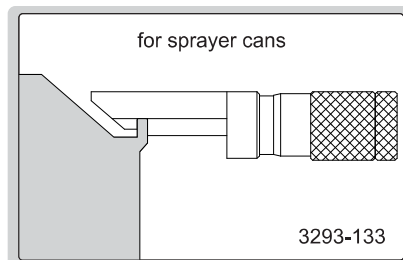
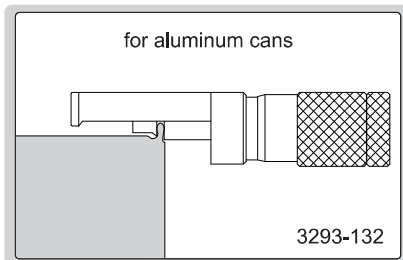
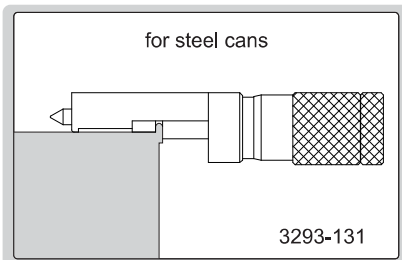
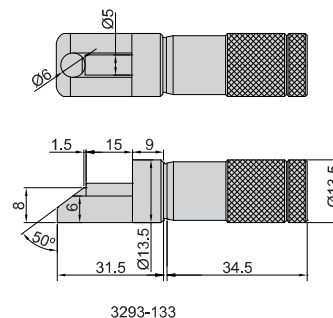
3293-131



3293-132



3293-133

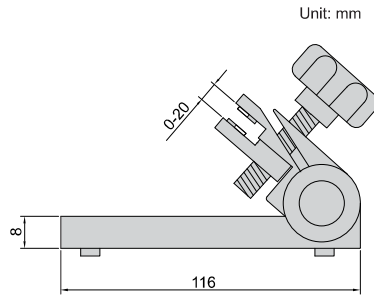


Code	Range	Accuracy
3293-131	0-13mm	4µm
3293-132	0-13mm	4µm
3293-133	0-13mm	4µm

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



6300



## MICROMETER STAND

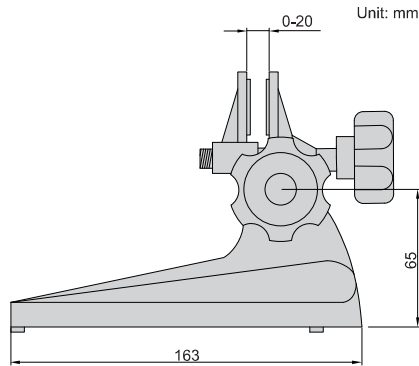


**Code**  
6300

- Suitable for micrometers up to 100mm



6301



## MICROMETER STAND



**Code**  
6301

- Suitable for micrometers up to 100mm



4184-41A

## OPTICAL PARALLEL

Code	Parallels included	Applicable micrometer
4184-41A	15.62mm, 15.75mm, 15.87mm, 16.00mm	0-25mm
4184-42A	40.62mm, 40.75mm, 40.87mm, 41.00mm	25-50mm

- Check the flatness and parallelism of measuring faces of micrometer

# MICROMETER SETTING STANDARD

Code	Length	Type	Accuracy	D
6310-25	25mm	A	±1.5μm	Ø7mm
6310-50	50mm	A	±2μm	Ø7mm
6310-75	75mm	A	±2.5μm	Ø7mm
6310-100	100mm	A	±3μm	Ø8mm
6310-125	125mm	A	±3.5μm	Ø8mm
6310-150	150mm	A	±4μm	Ø8mm
6310-175	175mm	A	±4.5μm	Ø8mm
6310-200	200mm	A	±5μm	Ø8mm
6310-225	225mm	A	±5.5μm	Ø8mm
6310-250	250mm	A	±6μm	Ø8mm
6310-275	275mm	A	±6.5μm	Ø8mm
6310-300	300mm	B	±7μm	Ø16mm
6310-325	325mm	B	±7.5μm	Ø16mm
6310-350	350mm	B	±8μm	Ø16mm
6310-375	375mm	B	±8.5μm	Ø16mm
6310-400	400mm	B	±9μm	Ø16mm
6310-425	425mm	B	±9.5μm	Ø16mm
6310-450	450mm	B	±10μm	Ø16mm
6310-475	475mm	B	±10.5μm	Ø16mm
6310-500	500mm	B	±11μm	Ø16mm
6310-525	525mm	B	±11.5μm	Ø16mm
6310-575	575mm	B	±12.5μm	Ø16mm
6310-625	625mm	B	±13.5μm	Ø16mm
6310-675	675mm	B	±14.5μm	Ø16mm
6310-725	725mm	B	±15.5μm	Ø16mm
6310-775	775mm	B	±16.5μm	Ø16mm
6310-825	825mm	B	±17.5μm	Ø16mm
6310-875	875mm	B	±18.5μm	Ø16mm
6310-925	925mm	B	±19.5μm	Ø16mm
6310-975	975mm	B	±20.5μm	Ø16mm
6310-1050	1050mm	B	±22μm	Ø23mm
6310-1150	1150mm	B	±24μm	Ø23mm
6310-1250	1250mm	B	±26μm	Ø23mm
6310-1350	1350mm	B	±28μm	Ø23mm
6310-1450	1450mm	B	±30μm	Ø23mm
6310-1550	1550mm	B	±32μm	Ø23mm
6310-1650	1650mm	B	±34μm	Ø23mm
6310-1750	1750mm	B	±36μm	Ø23mm
6310-1850	1850mm	B	±38μm	Ø23mm
6310-1950	1950mm	B	±40μm	Ø23mm



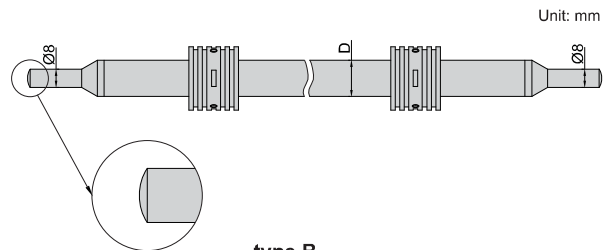
6310-100



type A



6310-300



type B

DATA  
OUTPUT

IP54  
WATERPROOF

## DIGITAL MICROMETER HEAD



6353-25W

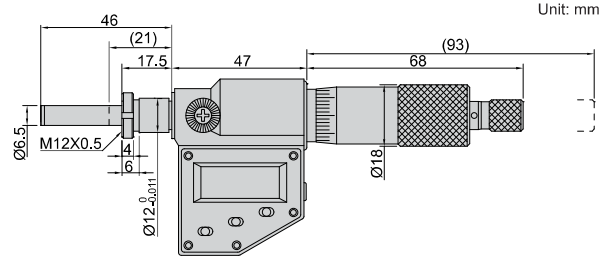
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- SR44 or LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output system

### Rotating spindle

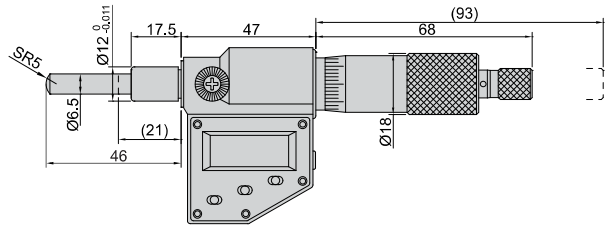
Code	Range	Stem	Spindle tip	Accuracy
6353-25	0-25mm/0-1"	with clamp nut	flat (carbide)	±2μm
6353-25W	0-25mm/0-1"	plain	flat (carbide)	±2μm
6353-25S	0-25mm/0-1"	with clamp nut	spherical (SR5)	±2μm
6353-25WS	0-25mm/0-1"	plain	spherical (SR5)	±2μm
6353-50W	0-50mm/0-2"	plain	flat (carbide)	±4μm

### Non-rotating spindle

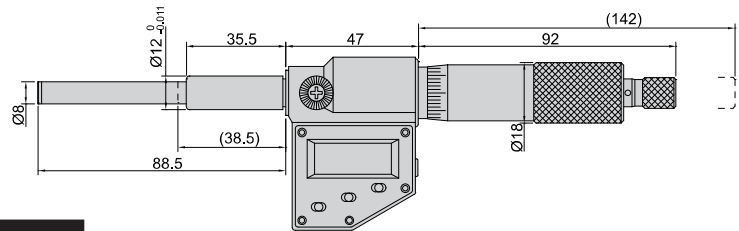
Code	Range	Stem	Spindle tip	Accuracy
6354-25W	0-25mm/0-1"	plain	flat (carbide)	±2μm



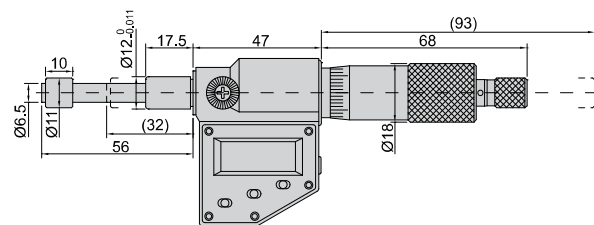
6353-25



6353-25WS



6353-50W



6354-25W

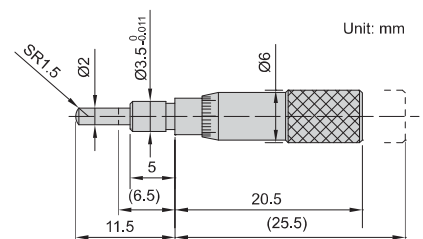


6372-5WS

- Graduation 0.02mm

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

## SMALL MICROMETER HEAD



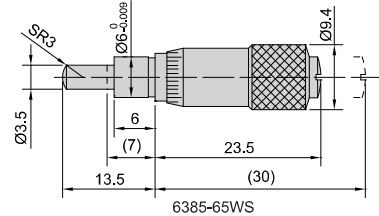
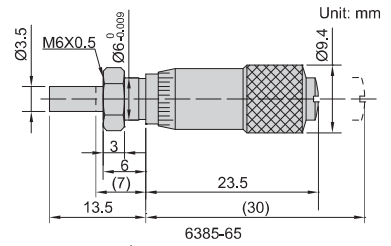
## SMALL MICROMETER HEAD



- Graduation 0.01mm

6385-65W

Code	Range	Stem	Spindle tip	Accuracy
6385-65	0-6.5mm	with clamp nut	flat (carbide)	5μm
6385-65W	0-6.5mm	plain	flat (carbide)	5μm
6385-65S	0-6.5mm	with clamp nut	spherical (SR3)	5μm
6385-65WS	0-6.5mm	plain	spherical (SR3)	5μm



## LARGE THIMBLE MICROMETER HEAD

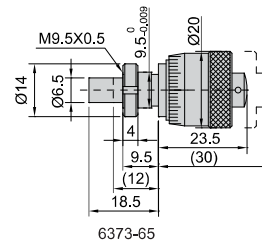


6373-65

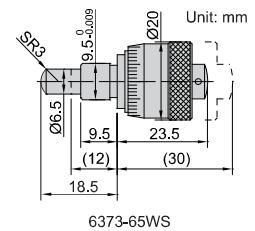


6373-13

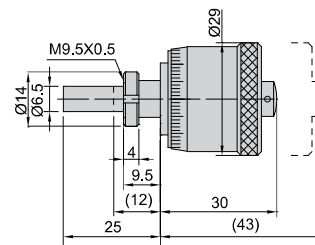
Code	Range	Stem	Spindle tip	Accuracy
6373-65	0-6.5mm	with clamp nut	flat (carbide)	3μm
6373-65W	0-6.5mm	plain	flat (carbide)	3μm
6373-65S	0-6.5mm	with clamp nut	spherical (SR3)	3μm
6373-65WS	0-6.5mm	plain	spherical (SR3)	3μm
6373-13	0-13mm	with clamp nut	flat (carbide)	3μm
6373-13W	0-13mm	plain	flat (carbide)	3μm



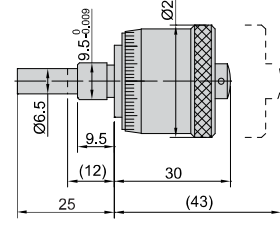
6373-65



6373-65WS



6373-13



6373-13W

- Large thimble diameter for easy reading
- Graduation 0.01mm

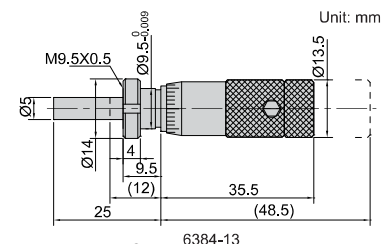
## MICROMETER HEAD WITH ZERO ADJUSTABLE THIMBLE



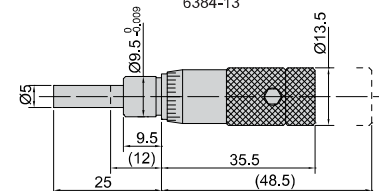
6384-13W

- Graduation 0.01mm
- The thimble can be set to zero at any position

Code	Range	Stem	Spindle tip	Accuracy
6384-13	0-13mm	with clamp nut	flat (carbide)	3μm
6384-13W	0-13mm	plain	flat (carbide)	3μm



6384-13



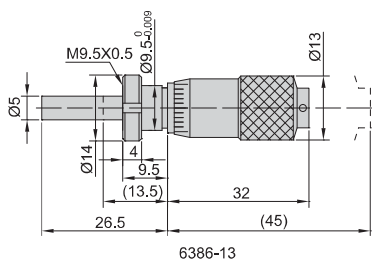
6384-13W

## MICROMETER HEAD

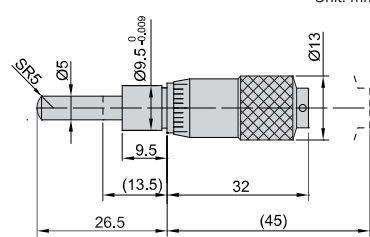
Unit: mm



6386-13W



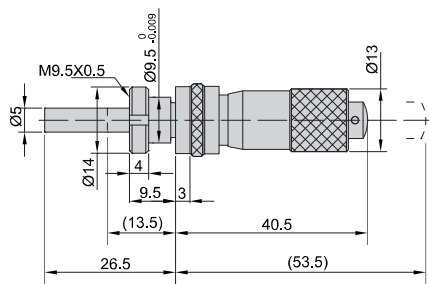
6386-13



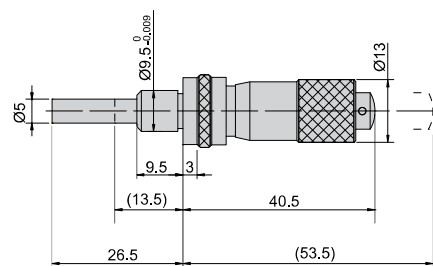
6386-13WS



6386-13P



6386-13P



6386-13WP

- Graduation 0.01mm

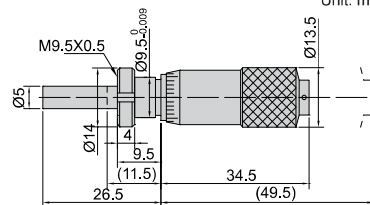
Code	Range	Stem	Spindle tip	Remark	Accuracy
6386-13	0-13mm	with clamp nut	flat (carbide)		3μm
6386-13W	0-13mm	plain	flat (carbide)		3μm
6386-13S	0-13mm	with clamp nut	spherical (SR5)		3μm
6386-13WS	0-13mm	plain	spherical (SR5)		3μm
6386-13P	0-13mm	with clamp nut	flat (carbide)	with spindle lock	3μm
6386-13WP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

## MICROMETER HEAD

Unit: mm



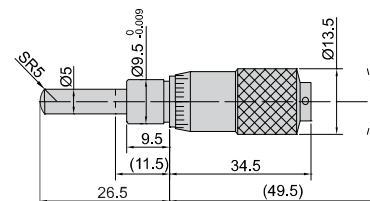
6387-15WS



6387-15

- Graduation 0.01mm

Code	Range	Stem	Spindle tip	Accuracy
6387-15	0-15mm	with clamp nut	flat (carbide)	3μm
6387-15W	0-15mm	plain	flat (carbide)	3μm
6387-15S	0-15mm	with clamp nut	spherical (SR5)	3μm
6387-15WS	0-15mm	plain	spherical (SR5)	3μm

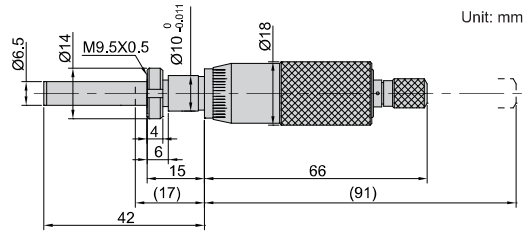


6387-15WS

# MICROMETER HEAD



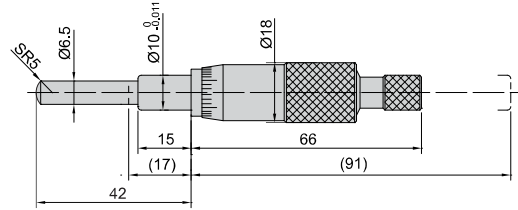
6381-25



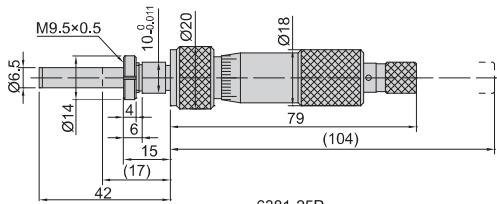
6381-25



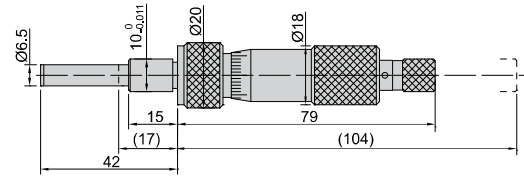
6381-25P



6381-25WS



6381-25P



6381-25WP

Unit: mm

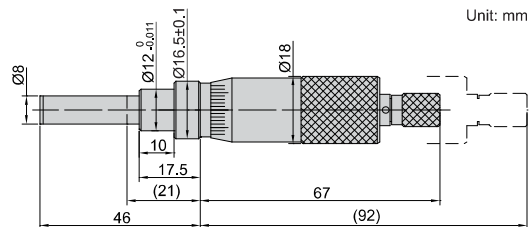
Code	Range	Stem	Spindle tip	Remark	Accuracy
6381-25	0-25mm	with clamp nut	flat (carbide)		3µm
6381-25W	0-25mm	plain	flat (carbide)		3µm
6381-25S	0-25mm	with clamp nut	spherical (SR5)		3µm
6381-25WS	0-25mm	plain	spherical (SR5)		3µm
6381-25P	0-25mm	with clamp nut	flat (carbide)	with spindle lock	3µm
6381-25WP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

- Graduation 0.01mm
- Ratchet stop

# NON ROTATING SPINDLE MICROMETER HEAD



6377-25W



Unit: mm

- Graduation 0.01mm
- Ratchet stop
- Non rotating spindle

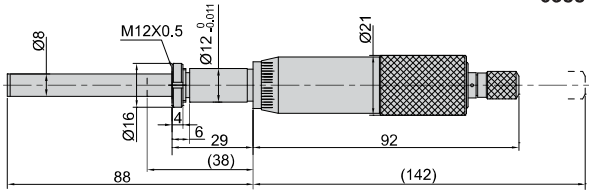
Code	Range	Stem	Spindle tip	Accuracy
6377-25W	0-25mm	plain	flat (carbide)	3µm

## LARGE MICROMETER HEAD

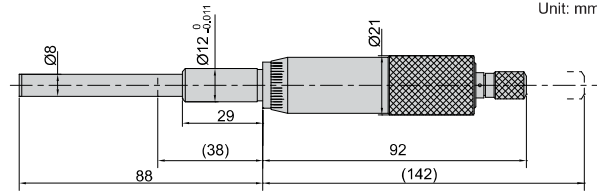


6388-50W

Unit: mm



6388-50



6388-50W

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

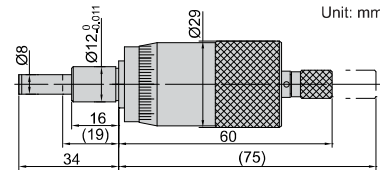
- Graduation 0.01mm
- Ratchet stop

## QUICK SPINDLE FEEDING MICROMETER HEAD



6375-15W

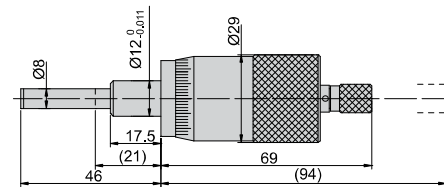
Unit: mm



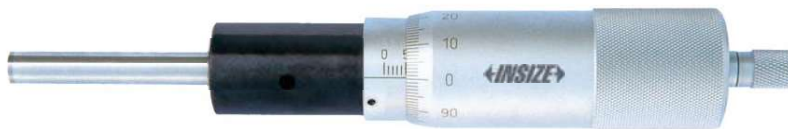
6375-15W



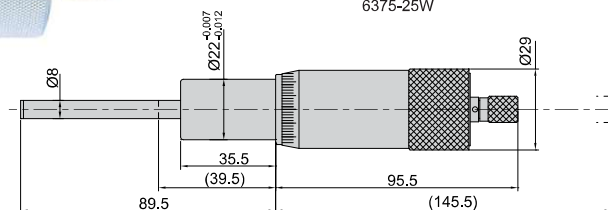
6375-25W



6375-25W



6375-50W



6375-50W

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

- Graduation 0.01mm
- Quick spindle feed of 1mm/rev.
- Ratchet stop