

SCRIBERS FOR HEIGHT GAGES

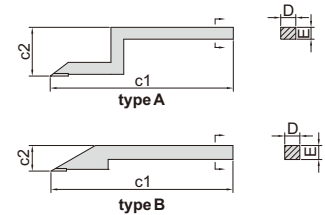
- Carbide tipped



7150-SC1

(mm)

Code	For height gages	Type	c1	c2	D	E
7150-SC1	1150-300	A	76	25	6	8
7150-SC2	1150-500, 1150-600	A	103	25	10	12
7150-SC3	1150-1000, 1150-1500, 1150-2000	A	110	39	10	15
7150-SC4	1351-300, 1351-450, 1351-600	B	78	15	9	9
7150-SC6	1250-300, 1156-300, 1156-600	A	80	30	9	9
7150-SC7	1250-450, 1250-600	A	80	41	9	9
7150-SC9	1253-150, 1253-200, 1154-150	B	55	12.5	6	8



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

- 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")

NON-ROTATING SPINDLE DIGITAL MICROMETERS

INSIZE PLUS
MADE IN GERMANY

NON-ROTATING
SPINDLE

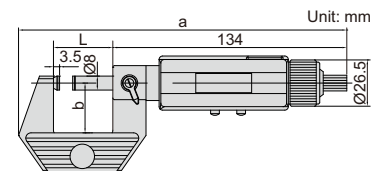
DATA
OUTPUT



3631-25

(mm)

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



LEVER DEVICE SUITABLE FOR MASS PRODUCTION

NON-ROTATING
SPINDLE

DATA
OUTPUT

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

- 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

NON-ROTATING SPINDLE DIGITAL MICROMETERS

INSIZE PLUS
MADE IN GERMANY

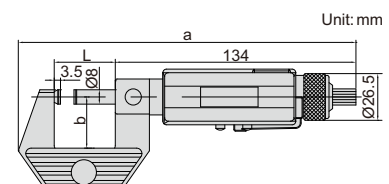


3632-25

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.)



(mm)

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

DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

DATA
OUTPUTIP65
WATERPROOF

Ratchet stop type

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

Friction thimble type

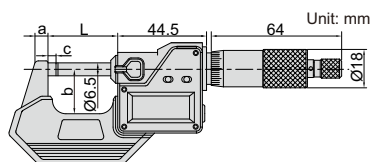
Code	Range	Accuracy	L	a	b	c
3101-25FA*	0-25mm/0-1"	±2μm	34.5	6	25	3

* Supplied with manufacturer inspection certificate traceable to DKD Germany



3101-25A

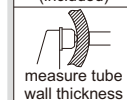
data output



Unit: mm

INSPECTION
CERTIFICATE
TRACEABLE TO DKD

ratchet stop

friction thimble for
one hand operationspherical anvil
(included)measure tube
wall thickness

- 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
- 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 7306-30A, 7302-SPC6, 7305-SPC3A)

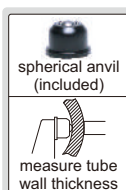
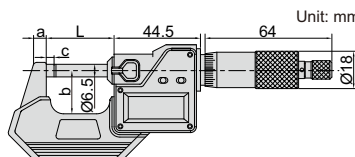
DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

- 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")

INSPECTION
CERTIFICATE
TRACEABLE TO DKD

3108-25A

without data output

spherical anvil
(included)measure tube
wall thickness

Unit: mm

ATTENTION: NO
DATA OUTPUTIP65
WATERPROOF

ratchet stop

friction thimble for
one hand operation

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

Friction thimble type

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

* Supplied with manufacturer inspection certificate traceable to DKD Germany

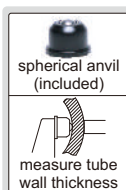
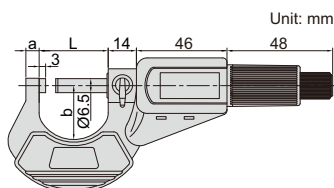
DIGITAL OUTSIDE MICROMETERS

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")

INSPECTION
CERTIFICATE
TRACEABLE TO DKD

3109-25A

spherical anvil
(included)measure tube
wall thickness

Unit: mm

friction thimble for
one hand operation

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

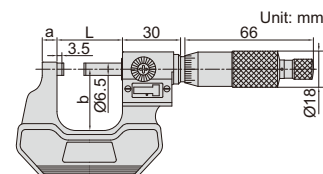
* Supplied with manufacturer inspection certificate traceable to DKD Germany

OUTSIDE MICROMETERS WITH COUNTER

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



3400-25



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

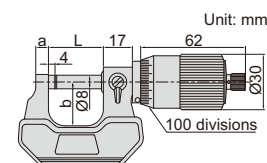
* Supplied with manufacturer inspection certificate traceable to DKD Germany

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



			(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



1μm GRADUATION OUTSIDE MICROMETERS

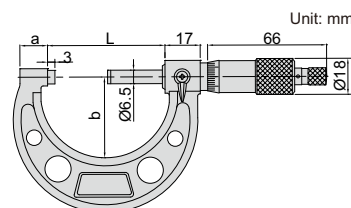
- Graduation 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm)



3210-25A



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



Friction thimble type

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



3203-25A



3203-50A

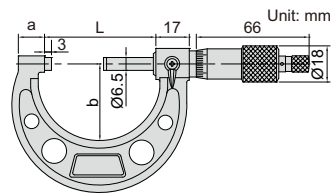
- Graduation: metric 0.01mm
imperial .0001"
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards
(except 0-25mm and 0-1")

Metric (ratchet stop type)

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

Imperial (ratchet stop type)

Code	Range	Accuracy	L	a	b
3203-1A *	0-1"	.00016"	1.260"	.354"	1.102"
3203-2A *	1-2"	.00016"	2.244"	.551"	1.496"
3203-3A *	2-3"	.00020"	3.228"	.591"	1.929"
3203-4A *	3-4"	.00020"	4.213"	.591"	2.362"
3203-5A *	4-5"	.00024"	5.236"	.650"	2.874"
3203-6A *	5-6"	.00024"	6.220"	.650"	3.346"
3203-7A	6-7"	.00028"	7.205"	.764"	4.094"
3203-8A	7-8"	.00028"	8.228"	.764"	4.606"
3203-9A	8-9"	.00031"	9.213"	.764"	5.118"
3203-10A	9-10"	.00031"	10.236"	.764"	5.591"
3203-11A	10-11"	.00035"	11.220"	.764"	6.102"
3203-12A	11-12"	.00035"	12.205"	.764"	6.614"



**INSPECTION
CERTIFICATE**
TRACEABLE TO DKD



3203-1004A

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

Imperial micrometer set (ratchet stop type)

Code	Range	Micrometers Included
3203-33A *	0-3"	3203-1A, 3203-2A, 3203-3A
3203-44A *	0-4"	3203-1A, 3203-2A, 3203-3A, 3203-4A
3203-66A *	0-6"	3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A
3203-126A	6-12"	3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A
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

Imperial (friction thimble type)

Code	Range	Accuracy	L	a	b
3203-1FA *	0-1"	.00016"	1.260"	.354"	1.102"
3203-2FA *	1-2"	.00016"	2.244"	.551"	1.496"
3203-3FA *	2-3"	.00020"	2.244"	.591"	1.929"

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

OUTSIDE MICROMETERS

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



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	125	8	82
3202-175A	150-175mm	7μm	183	8	95
3202-200A	175-200mm	7μm	209	8	107

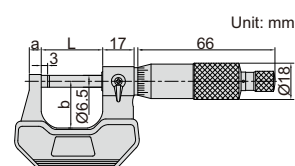
Micrometer set

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

* Supplied with manufacturer inspection certificate traceable to DKD Germany

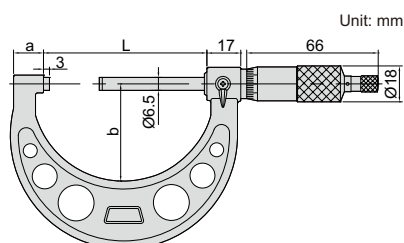


3202-25A



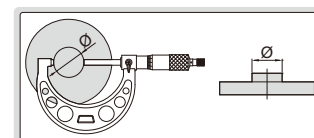
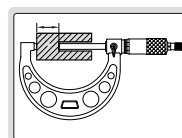
LONG SPINDLE OUTSIDE MICROMETERS

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



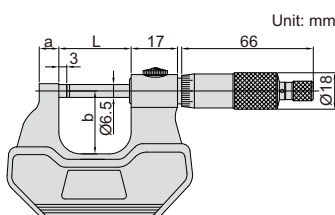
3209-25

Code	Range	Accuracy	L	a	b
3209-25	0-25mm	4μm	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 MICROMETERS FOR LEFT OR RIGHT HAND

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



front

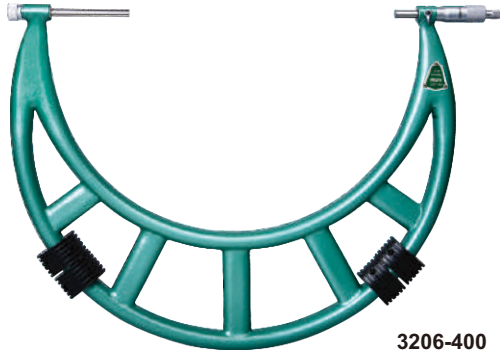


back

3236-25B

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

OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

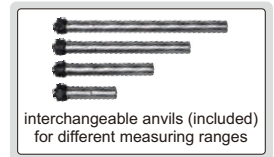


3206-400

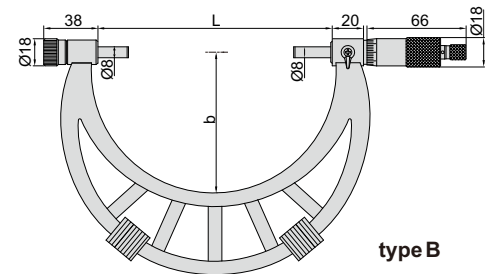
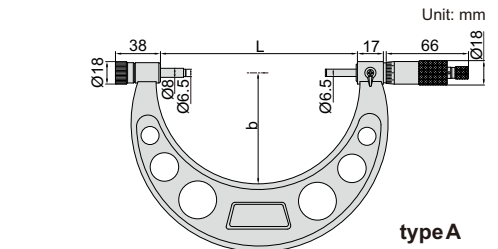


3206-150A

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



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



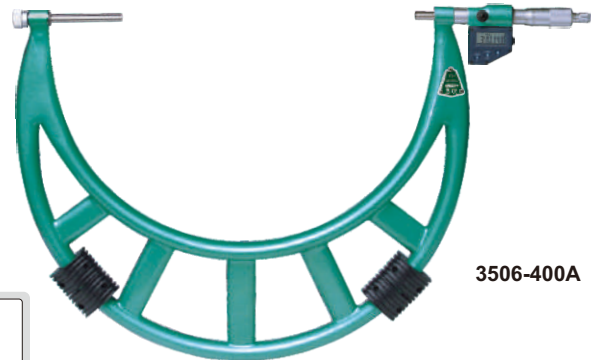
DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

IP54
WATERPROOFDATA
OUTPUT

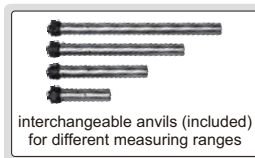
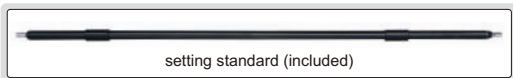
- Resolution 0.001mm/0.0001"
(resolution of 3506-100A and 3506-150A is 0.001mm/0.00005")
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable
(code 7306-30, 7302-SPC2A, 7305-SPC3)



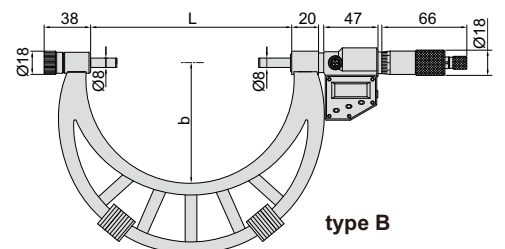
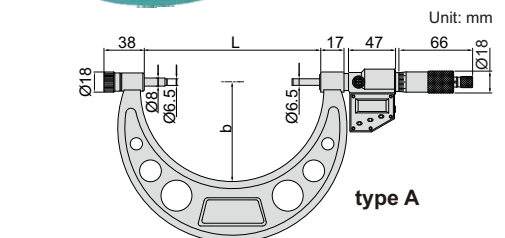
3506-100A



3506-400A



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

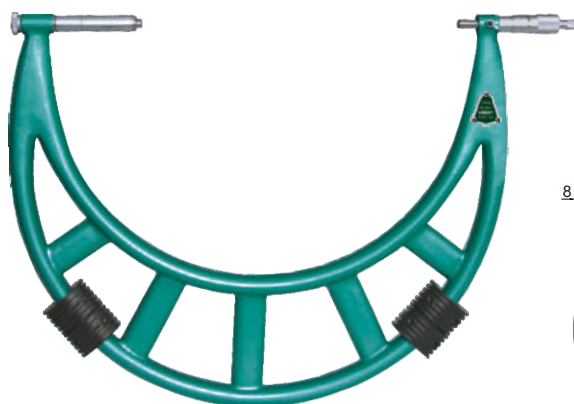


OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

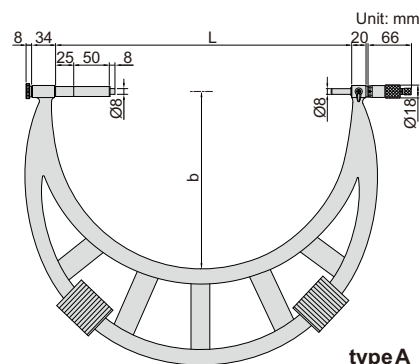


adjust collars for different measuring ranges

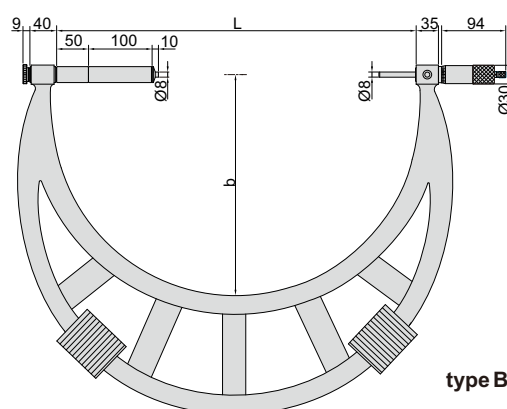
- Graduation 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



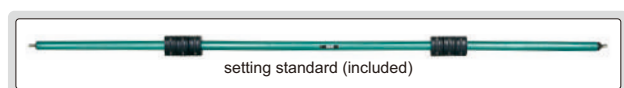
3205-400



type A



type B

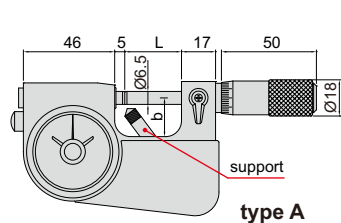


setting standard (included)

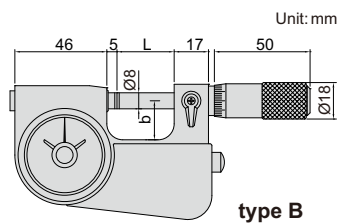
(mm)

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

INDICATING MICROMETERS



type A

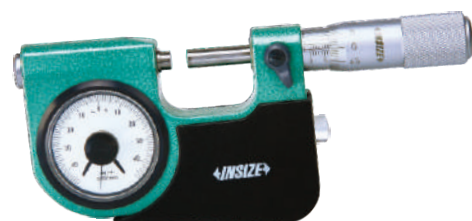


type B

- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ± 0.04 mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3332-25



3332-25B

(mm)

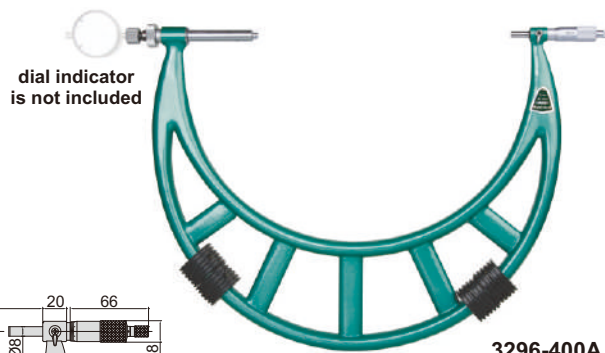
Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark
3332-25	0-25mm	4μm	A	28.5	19	with support
3332-50	25-50mm	4μm	A	53.5	30	with support
3332-75	50-75mm	5μm	A	78.5	45	without support
3332-100	75-100mm	5μm	A	103.5	57	without support
3332-25B	0-25mm	4μm	B	28.5	19	without support

ATTENTION: NOT SUITABLE
FOR 0.001MM INDICATORS

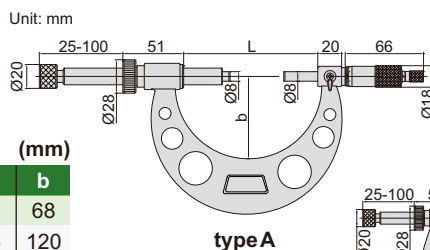
MICROMETERS WITH DIAL INDICATOR



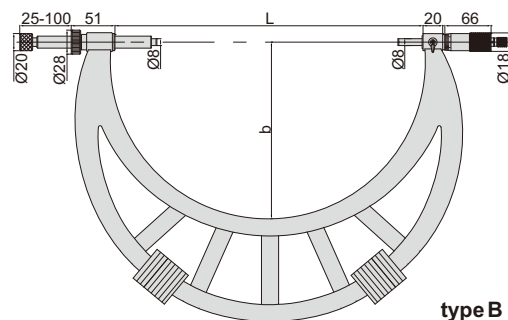
3296-100A



3296-400A



type A



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

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

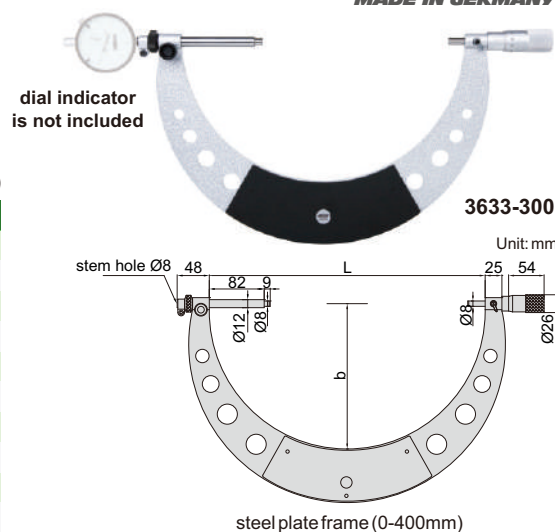
MICROMETERS WITH DIAL INDICATOR

INSIZE PLUS
MADE IN GERMANY

- Meet DIN863-3
- Micrometer head graduation: 0.01mm
- Adjust collars for different measuring ranges
- Anvil retracting range: 3mm
- Carbide measuring faces
- Optional accessory: dial indicators or digital indicators, setting standards

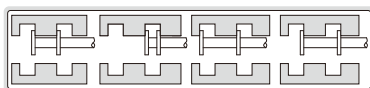
Code	Range	Micrometer head range	Frame type	L	b
3633-100	0-100mm	25mm	steel plate	116	65
3633-200	100-200mm	25mm	steel plate	217	109
3633-300	200-300mm	25mm	steel plate	317	159
3633-400	300-400mm	25mm	steel plate	417	209
3633-500	400-500mm	25mm	steel tube	517	259
3633-600	500-600mm	25mm	steel tube	617	310
3633-700	600-700mm	25mm	steel tube	717	360
3633-800	700-800mm	25mm	steel tube	817	408
3633-900	800-900mm	25mm	steel tube	917	460
3633-1000	900-1000mm	25mm	steel tube	1017	512

(mm)



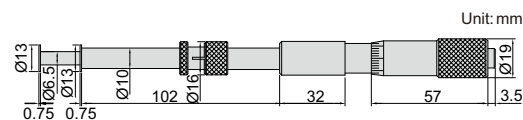
steel plate frame (0-400mm)

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



3287-25A

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

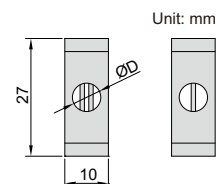
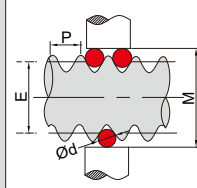


3-WIRES

- Used with standard outside micrometers with spindle Ø6.35mm or Ø6.50mm to measure pitch diameter of screw threads
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Cylindricity: $1\mu\text{m}$
- Hardness: HRC60
- Supplied with manufacturer inspection certificate



7382-19

Formula of pitch diameter E
 $E = M - 3d + 0.866025P$
E=measured value of the micrometer
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

For outside micrometers with spindle Ø6.35mm (ØD)

Code	Pin gage diameter (Ød)	Applicable pitch
7382-11	0.170mm	0.25mm
7382-12	0.195mm	0.35mm
7382-13	0.220mm	0.35mm
7382-14	0.250mm	0.4mm
7382-15	0.290mm	0.45mm, 0.5mm
7382-16	0.335mm	0.6mm
7382-17	0.390mm	0.7mm
7382-18	0.455mm	0.7mm, 0.75mm, 0.8mm
7382-19	0.530mm	0.9mm
7382-110	0.620mm	1mm
7382-111	0.725mm	1.25mm
7382-112	0.895mm	1.5mm
7382-113	1.100mm	1.75mm
7382-114	1.350mm	2mm
7382-115	1.650mm	2.5mm
7382-116	2.050mm	3mm, 3.5mm
7382-117	2.550mm	4mm, 4.5mm
7382-118	3.200mm	5mm, 5.5mm
7382-1S	18 pairs/set, including all above 3-wires	

For outside micrometers with spindle Ø6.50mm (ØD)

Code	Pin gage diameter (Ød)	Applicable pitch
7382-21	0.170mm	0.25mm
7382-22	0.195mm	0.35mm
7382-23	0.220mm	0.35mm
7382-24	0.250mm	0.4mm
7382-25	0.290mm	0.45mm, 0.5mm
7382-26	0.335mm	0.6mm
7382-27	0.390mm	0.7mm
7382-28	0.455mm	0.7mm, 0.75mm, 0.8mm
7382-29	0.530mm	0.9mm
7382-210	0.620mm	1mm
7382-211	0.725mm	1.25mm
7382-212	0.895mm	1.5mm
7382-213	1.100mm	1.75mm
7382-214	1.350mm	2mm
7382-215	1.650mm	2.5mm
7382-216	2.050mm	3mm, 3.5mm
7382-217	2.550mm	4mm, 4.5mm
7382-218	3.200mm	5mm, 5.5mm
7382-2S	18 pairs/set, including all above 3-wires	

EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN GERMANY

- Meet DIN863-3
- Measure pitch diameter of screw thread
- Graduation 0.01mm
- Ratchet thimble
- Optional accessory: measuring tips for external screw thread micrometer (code 7384)

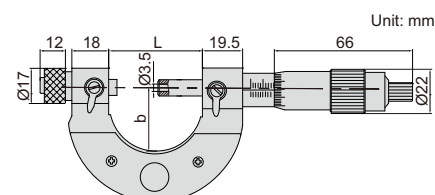
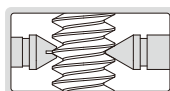
(mm)

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

tips are not included



3639-25



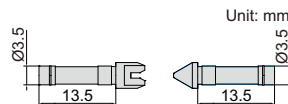
TIPS FOR TRAPEZOIDAL, ACME
THREAD ARE ALSO AVAILABLE

MEASURING TIPS FOR EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN GERMANY

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

7384-T108



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

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

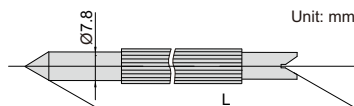
60° thread angle

Code	Applicable pitch (mm)
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

SETTING STANDARDS FOR EXTERNAL SCREW THREAD MICROMETERS



7384-A100



60° thread angle

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

55° thread angle

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

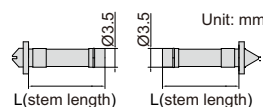
TIPS FOR TRAPEZOIDAL, ACME
THREAD ARE ALSO AVAILABLE

MEASURING TIPS FOR INTERNAL SCREW THREAD MICROMETERS

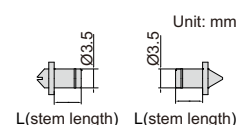
INSIZE PLUS
MADE IN GERMANY

- Supplied in pair
- Made of hardened steel
- Suitable for 3640, 3641 series micrometers

7385-T106A



7385-T106B



60° thread angle

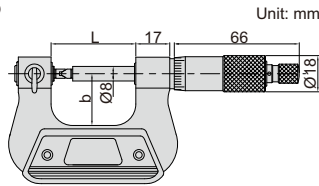
Code		Applicable pitch (mm)
L=13.5mm	L=5mm	
7385-T101A	7385-T101B	0.35
7385-T102A	7385-T102B	0.4/0.45
7385-T103A	7385-T103B	0.5/0.6
7385-T104A	7385-T104B	0.7/0.75/0.8
7385-T105A	7385-T105B	1/1.25
7385-T106A	7385-T106B	1.5/1.75
7385-T107A	7385-T107B	2.0/2.5
7385-T108A	7385-T108B	3.0/3.5
7385-T109A	7385-T109B	4.0/4.5/5.0
7385-T110A	7385-T110B	5.5/6.0

55° thread angle

Code		Applicable pitch (TPI)
L=13.5mm	L=5mm	
7385-T201A	7385-T201B	60/48
7385-T202A	7385-T202B	40/32
7385-T203A	7385-T203B	28/26/24/22
7385-T204A	7385-T204B	20/19/18/16
7385-T205A	7385-T205B	14/12/11
7385-T206A	7385-T206B	10/9/8
7385-T207A	7385-T207B	7/6
7385-T208A	7385-T208B	5/4.5/4
7385-T209A	7385-T209B	3.5/3.25/3/2.875/2.75
7385-T210A	7385-T210B	2.625/2.5/2

SCREW THREAD MICROMETERS

- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessory: 55° setting standards, measuring tips (code 7381)



NON-ROTATING SPINDLE

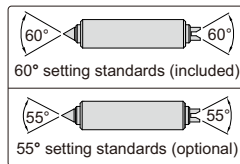
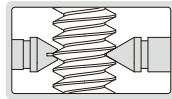
measuring tips are not included



3281-25A

(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



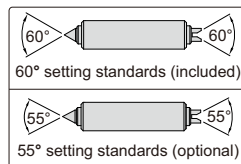
accuracy of micrometers with tips

(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

DIGITAL SCREW THREAD MICROMETERS

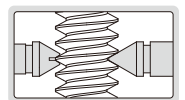
- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessory: 55° setting standards, measuring tips (code 7381), data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



measuring tips are not included



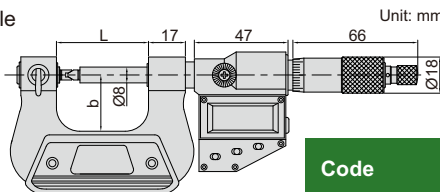
3581-25A



accuracy of micrometers with tips

(mm)

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

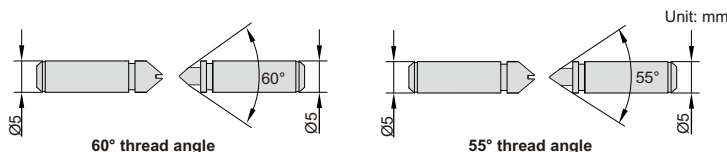


Unit: mm

Code	Range	L	b	55° setting standard (optional)
3581-25A	0-25mm/0-1"	42	26	—
3581-50A	25-50mm/1-2"	67	38	3281-SP1
3581-75A	50-75mm/2-3"	92	50	3281-SP2
3581-100A	75-100mm/3-4"	117.6	62	3281-SP3

(mm)

MEASURING TIPS FOR SCREW THREAD MICROMETERS



Unit: mm

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



7381-T13

Whitworth thread (55° thread angle)

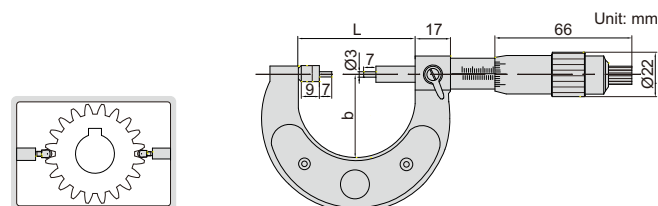
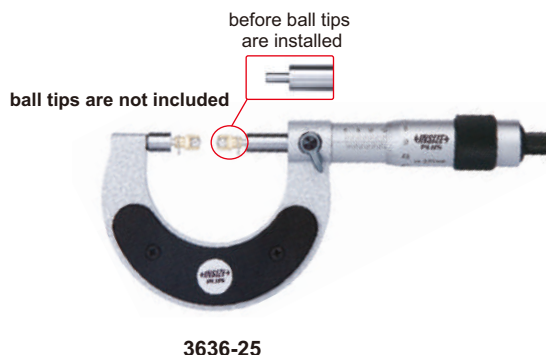
Code	Pitch
7381-T21	60-48TPI
7381-T22	48-40TPI
7381-T23	40-32TPI
7381-T24	32-24TPI
7381-T25	24-18TPI
7381-T26	18-14TPI
7381-T27	14-10TPI
7381-T28	10-7TPI
7381-T29	7-4.5TPI
7381-T210	4.5-3.5TPI
7381-T2S	10 pairs/set, including all above tips

EXTERNAL GEAR TOOTH MICROMETERS

INSIZE PLUS
MADE IN GERMANY

- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Optional accessory: ball tips (code 7383)

Code	Range	Accuracy	L	b
3636-25	0-25mm	4µm	56	40
3636-50	25-50mm	4µm	81.5	52
3636-75	50-75mm	5µm	106.5	64.5
3636-100	75-100mm	5µm	131.5	76
3636-125	100-125mm	6µm	156.5	88.5
3636-150	125-150mm	6µm	181.5	100
3636-175	150-175mm	7µm	242.5	121.5
3636-200	175-200mm	7µm	242.5	121.5
3636-225	200-225mm	8µm	267.5	134
3636-250	225-250mm	8µm	292.5	146.5
3636-275	250-275mm	9µm	318	159
3636-300	275-300mm	9µm	342.5	171.5
3636-325	300-325mm	10µm	367.5	184
3636-350	325-350mm	10µm	392.5	196.5
3636-375	350-375mm	11µm	417.5	209



BALL TIPS FOR GEAR TOOTH MICROMETERS

INSIZE PLUS
MADE IN GERMANY

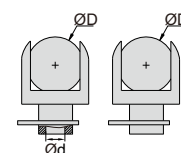
- Supplied in pair
- Made of hardened special steel
- Suitable for 3636, 3637, 3638 series micrometers



7383-8

Code	Ball dia. (D)	Accuracy of D	d
7383-1	SØ1mm	±1µm	Ø3mm
7383-2	SØ2mm	±1µm	Ø3mm
7383-3	SØ3mm	±1µm	Ø3mm
7383-4	SØ4mm	±1µm	Ø3mm
7383-5	SØ5mm	±1µm	Ø3mm
7383-6	SØ6mm	±1µm	Ø3mm
7383-7	SØ7mm	±1µm	Ø3mm
7383-8	SØ8mm	±1µm	Ø3mm

Code	Ball dia. (D)	Accuracy of D	d
7383-9	SØ9mm	±1µm	Ø3mm
7383-10	SØ10mm	±1µm	Ø3mm
7383-11	SØ11mm	±1µm	Ø3mm
7383-12	SØ12mm	±1µm	Ø3mm
7383-13	SØ13mm	±1µm	Ø3mm
7383-14	SØ14mm	±1µm	Ø3mm
7383-15	SØ15mm	±1µm	Ø3mm
7383-16	SØ16mm	±1µm	Ø3mm



GEAR TOOTH MICROMETERS

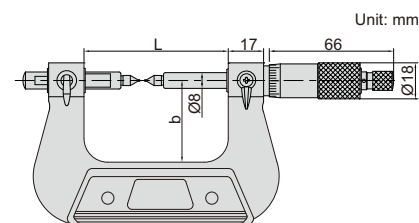
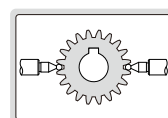
- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)

Code	Range	Accuracy	L	b
3291-25	0-25mm	4µm	67	38
3291-50	25-50mm	4µm	92.4	50
3291-75	50-75mm	5µm	117.6	62
3291-100	75-100mm	5µm	143	70
3291-125	100-125mm	6µm	168.2	82
3291-150	125-150mm	6µm	192	94.5
3291-175	150-175mm	7µm	217	107

ball tips are not included



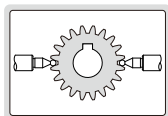
3291-25



DIGITAL GEAR TOOTH MICROMETERS

IP54
WATERPROOFDATA
OUTPUT

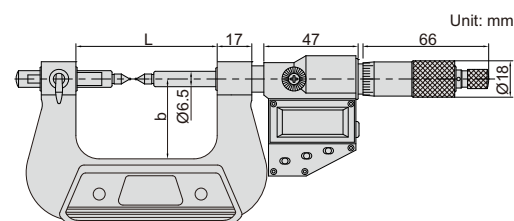
- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391), data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



ball tips are not included



3591-25A



(mm)				
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

BALL TIPS FOR GEAR TOOTH MICROMETERS

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



7391-T5



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		

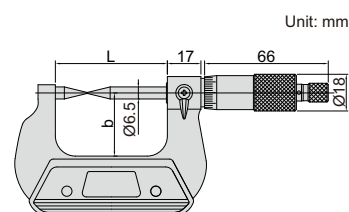
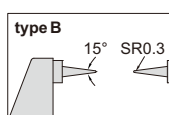
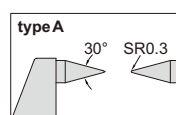
POINT MICROMETERS

- 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



DIGITAL POINT MICROMETERS

- 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
- LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)

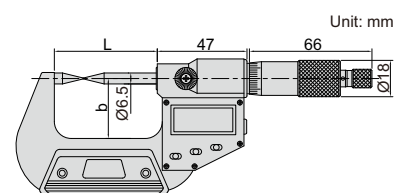
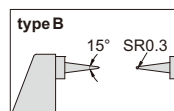
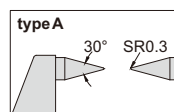
IP54
WATERPROOF

DATA
OUTPUT



3530-25A

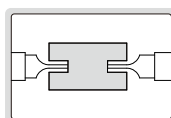
Code	Range	Type	Accuracy	L	b
3530-25A	0-25mm/0-1"	A	±4μm	57	32
3530-50A	25-50mm/1-2"	A	±4μm	82	44.5
3530-75A	50-75mm/2-3"	A	±5μm	107	57
3530-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3530-25BA	0-25mm/0-1"	B	±4μm	57	32
3530-50BA	25-50mm/1-2"	B	±4μm	82	44.5
3530-75BA	50-75mm/2-3"	B	±5μm	107	57
3530-100BA	75-100mm/3-4"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



BLADE MICROMETERS

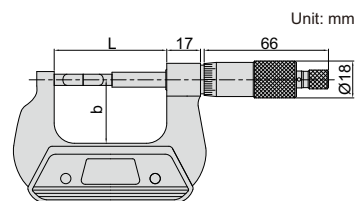
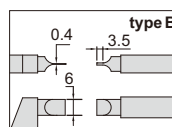
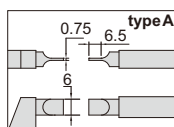
NON-ROTATING
SPINDLE

- 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)



3232-25A

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



DIGITAL BLADE MICROMETERS

DATA
OUTPUT

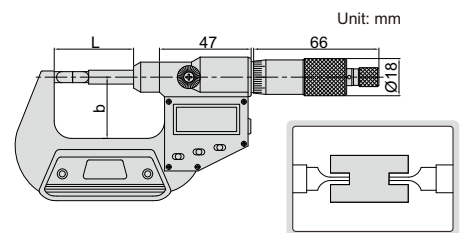
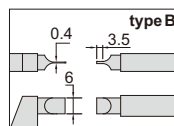
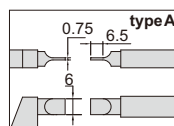
NON-ROTATING
SPINDLE

- 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
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



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

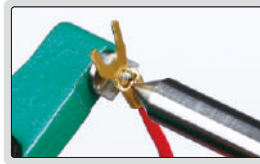


CRIMP HEIGHT MICROMETER

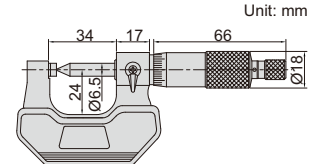
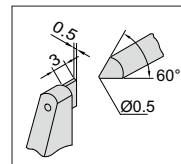
RELATIVE PRODUCT: DIGITAL CRIMP
HEIGHT CALIPER (CODE 1165-150A)

- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop

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



3266-25BA



Unit: mm

DIGITAL CRIMP HEIGHT MICROMETER

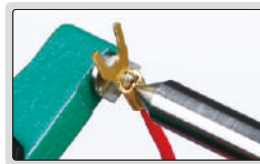
IP54
WATERPROOF

DATA
OUTPUT

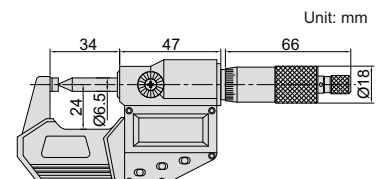
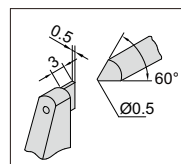
RELATIVE PRODUCT: DIGITAL CRIMP
HEIGHT CALIPER (CODE 1165-150A)

- 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
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)

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



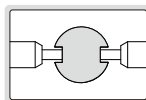
3566-25BA



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)

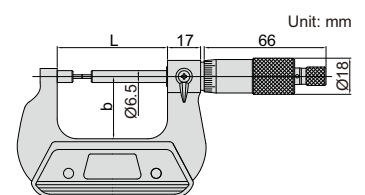
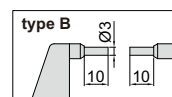
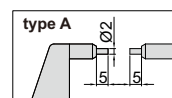


(mm)

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



3233-25BA



Unit: mm

IP54
WATERPROOF

DATA
OUTPUT

DIGITAL SPLINE MICROMETERS

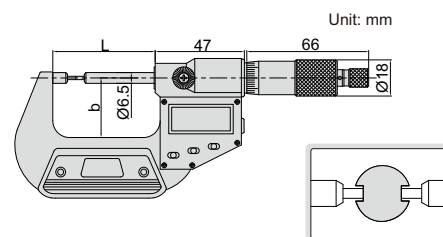
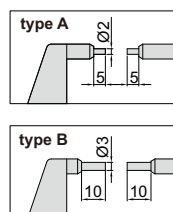
- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



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

(mm)



CYLINDRICAL ANVIL TUBE MICROMETERS

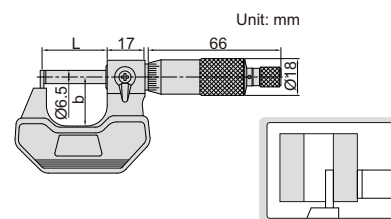
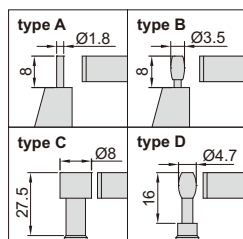
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm)



3261-25A

Code	Range	Type	Accuracy	L	b
3261-25A	0-25mm	A	6μm	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

(mm)



DIGITAL CYLINDRICAL ANVIL TUBE MICROMETERS

IP54
WATERPROOF

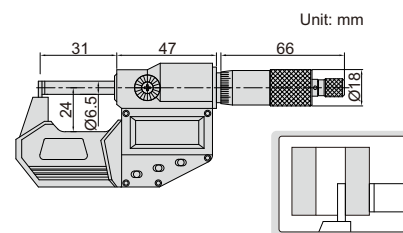
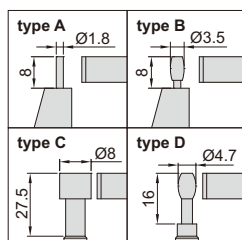
DATA
OUTPUT

- 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
- 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 7306-30, 7302-SPC2A, 7305-SPC3)



3561-25A

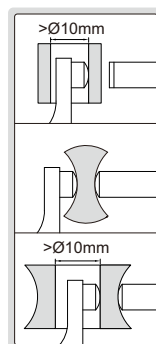
Code	Range	Type	Accuracy
3561-25A	0-25mm/0-1"	A	±6μm
3561-25BA	0-25mm/0-1"	B	±6μm
3561-25CA	0-25mm/0-1"	C	±6μm
3561-25DA	0-25mm/0-1"	D	±6μm



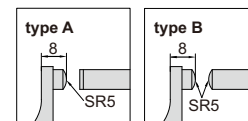
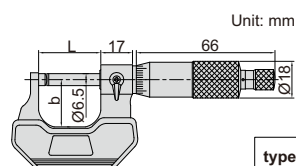
SPHERICAL ANVIL TUBE MICROMETERS

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

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



3260-25A



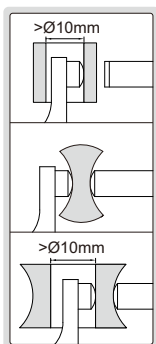
DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

IP54
WATERPROOF

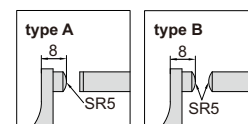
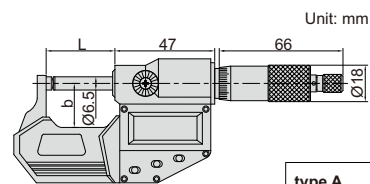
DATA
OUTPUT

- 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
- 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 7306-30, 7302-SPC2A, 7305-SPC3)

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



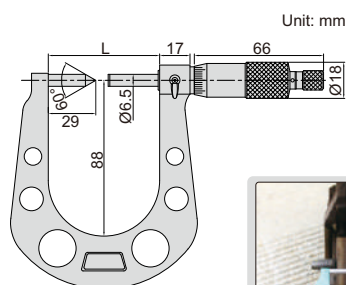
3560-25A



DISK BRAKE MICROMETERS

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

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



3288-33A

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

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

DIGITAL DISK BRAKE MICROMETERS

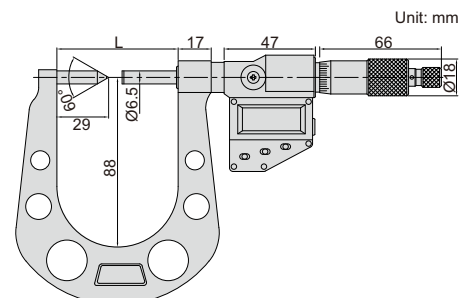
- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



3588-33A

IP54
WATERPROOF

DATA
OUTPUT



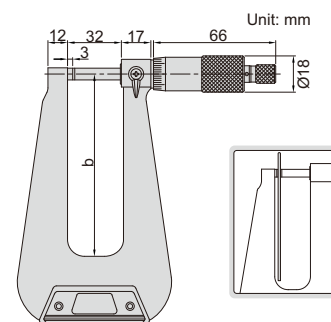
Code	Range	Accuracy	L (mm)
3588-33A	7.6-33mm/0.3-1.3"	±5μm	64.5
3588-50A	25-50mm/1-2"	±5μm	82

SHEET METAL MICROMETERS

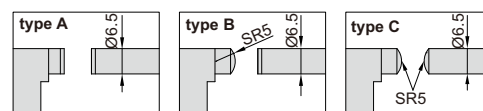
- Deep frame suitable for sheet metal, paper and plastic
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



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



DIGITAL SHEET METAL MICROMETERS

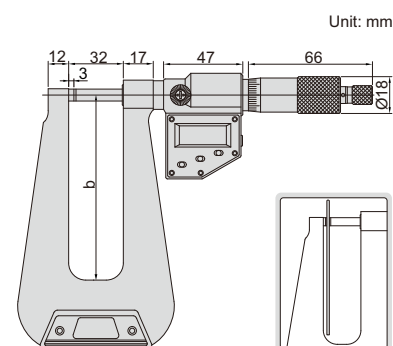
IP54
WATERPROOF

DATA
OUTPUT

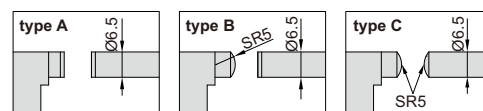
- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



3539-253A

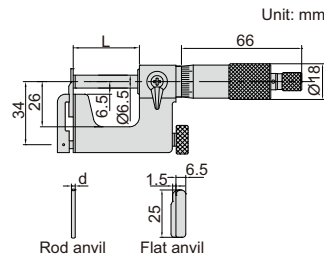


Code	Range	Type	Accuracy	b (mm)
3539-253A	0-25mm/0-1"	A	±7μm	155
3539-253FA	0-25mm/0-1"	B	±7μm	155
3539-254FA	0-25mm/0-1"	B	±10μm	310
3539-253SA	0-25mm/0-1"	C	±7μm	155

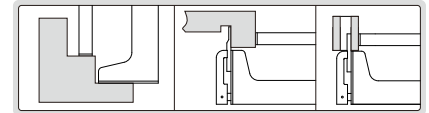


INTERCHANGEABLE ANVIL MICROMETERS

- 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



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

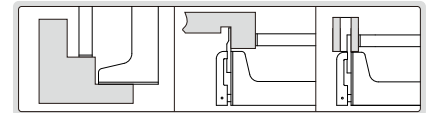
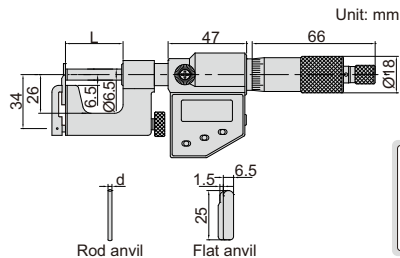
DIGITAL INTERCHANGEABLE ANVIL MICROMETERS

IP54
WATERPROOFDATA
OUTPUT

- 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
- 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 7306-30, 7302-SPC2A, 7305-SPC3)



3562-25A



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

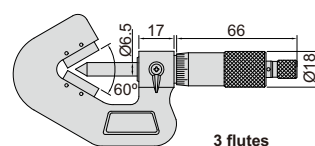
V-ANVIL MICROMETERS

- Meet DIN863-3
- 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

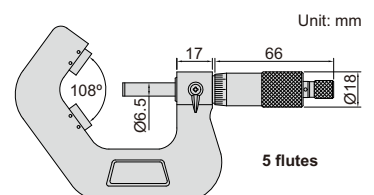


3290-153A

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

DIGITAL V-ANVIL MICROMETERS

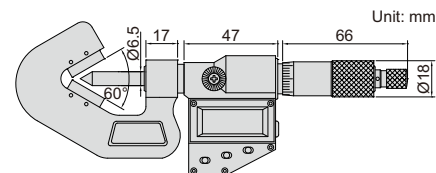
- Measure the outside diameter of cutting tools (such as taps, reamers, end mills) with 3 flutes
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



3590-153A

IP54
WATERPROOF

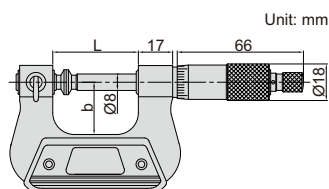
DATA
OUTPUT



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

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	4μm	42	26
3280-50A	25-50mm	4μm	67	38

55° anvil/spindle tip (optional)

Code	Diagram	Unit: mm
Code 3280-SP1 Knife-edge		
Code 3280-SP2 Point		

Anvil/spindle tip (included)

Unit: mm

Flat		
Spherical		
Spline		
Disk		
Blade		
Knife-edge		
Point		

DIGITAL UNIVERSAL MICROMETERS

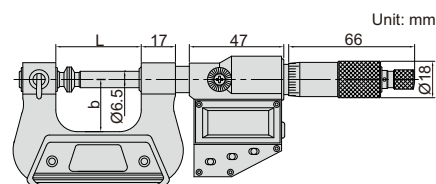
IP54
WATERPROOF

DATA
OUTPUT

- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip (same as series 3280)
- 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), data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



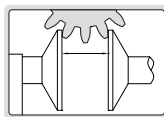
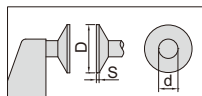
3580-25A



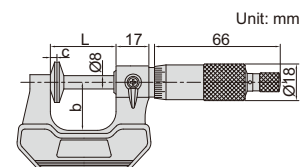
Code	Range	Accuracy	L	b
3580-25A	0-25mm/0-1"	±4μm	42	26
3580-50A	25-50mm/1-2"	±4μm	67	38

DISK MICROMETERS

- Meet DIN863-3
- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



3282-25

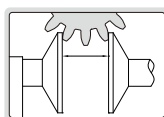


(mm)

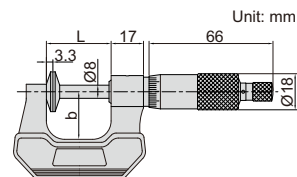
Code	Range	Accuracy	Parallelism	L	b	c	D	S	d
3282-25	0-25mm	4µm	5µm	34	24	3.3	Ø20	0.7	Ø8
3282-50	25-50mm	4µm	5µm	59	32	3.3	Ø20	0.7	Ø8
3282-75	50-75mm	5µm	5µm	85	45	3.3	Ø20	0.7	Ø8
3282-100	75-100mm	5µm	5µm	110	57	3.3	Ø20	0.7	Ø8

NON-ROTATING SPINDLE DISK MICROMETERS

- Meet DIN863-3
- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards

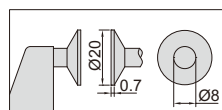
NON-ROTATING
SPINDLE

3294-25



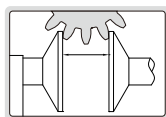
(mm)

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

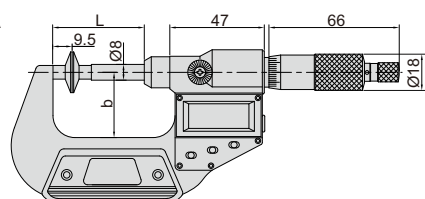


DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS

- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)

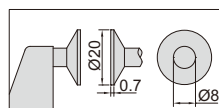
NON-ROTATING
SPINDLEDATA
OUTPUT

3594-25A



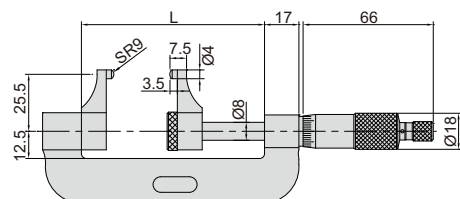
(mm)

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



CALIPER TYPE MICROMETERS

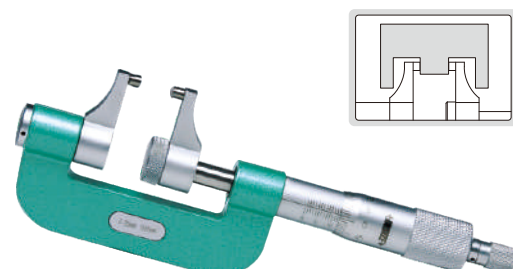
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



Unit: mm

(mm)

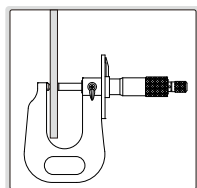
Code	Range	Accuracy	L
3238-25	0-25mm	5µm	56
3238-50	25-50mm	6µm	81



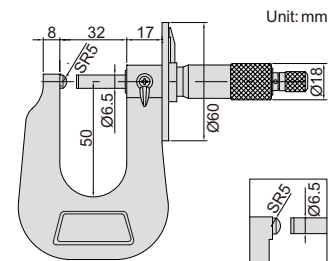
3238-25

SHEET METAL MICROMETER

- 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	Accuracy
3263-25A	0-25mm	4µm

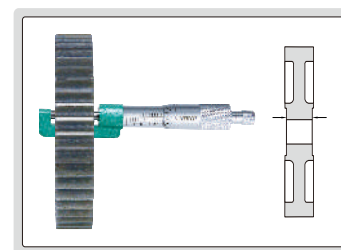
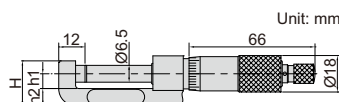
HUB MICROMETERS

- 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

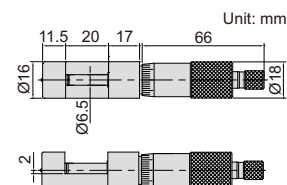


WIRE MICROMETER

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



3285-10

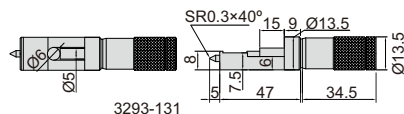


Code	Range	Accuracy
3285-10	0-10mm	4µm

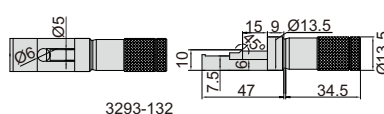
CAN SEAM MICROMETERS



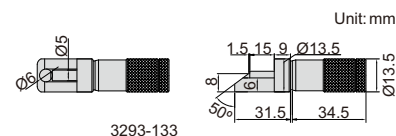
3293-131



3293-132



3293-133



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

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

