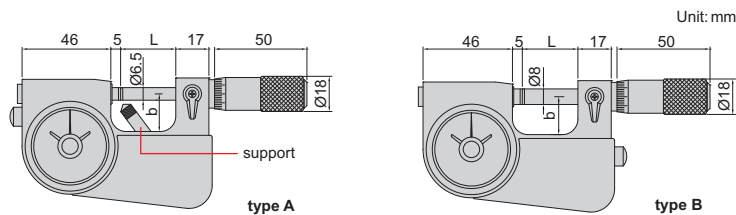


ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

INDICATING MICROMETERS



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

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

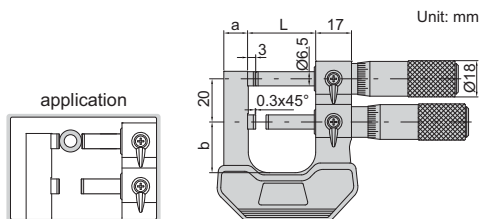


3332-25



3332-25B

- 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)



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



3235-25A

LIMIT MICROMETERS

ATTENTION: NOT SUITABLE
FOR 0.001MM INDICATORS

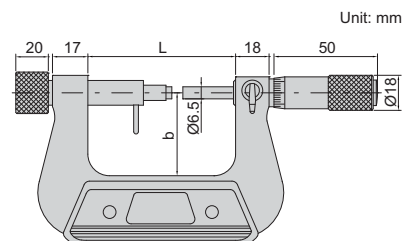
MICROMETERS WITH DIAL INDICATOR

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



3331-25A

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

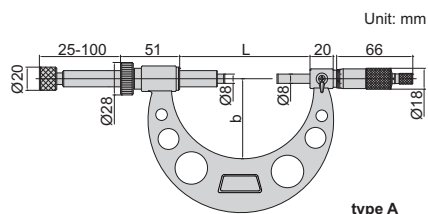


MICROMETERS WITH DIAL INDICATOR

ATTENTION: NOT SUITABLE
FOR 0.001MM INDICATORS



3296-100A



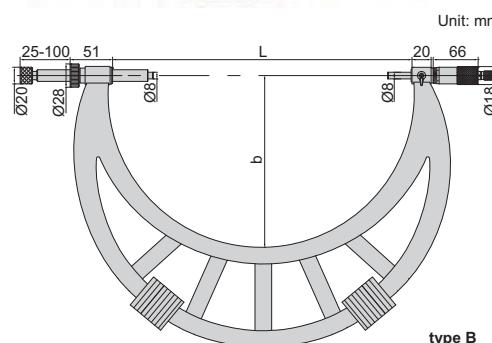
type A

(mm)

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



3296-400A



type B

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

GROOVE MICROMETERS

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



3287-25A



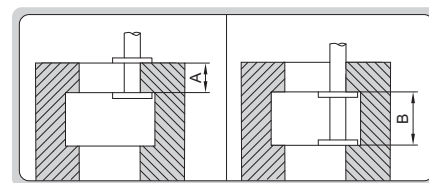
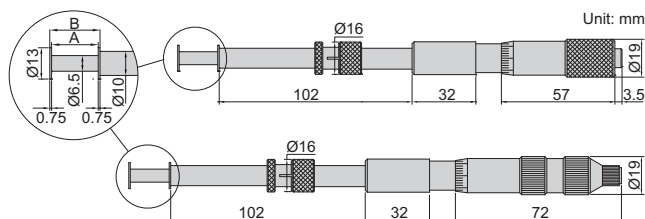
3287-25B

No ratchet stop

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

Two-directional ratchet stop

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



SCREW THREAD MICROMETERS

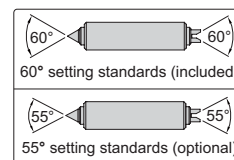
- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessory: 55° setting standards, measuring tips (code **7381**)

measuring tips are optional

NON-ROTATING SPINDLE

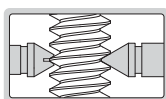
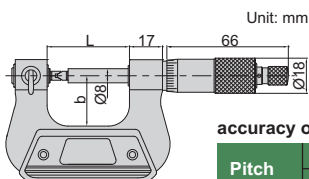


3281-25A



(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
- 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 **7315-**, **7302-**, **7305-**)

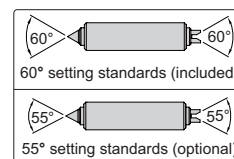
measuring tips are optional

DATA OUTPUT

NON-ROTATING SPINDLE

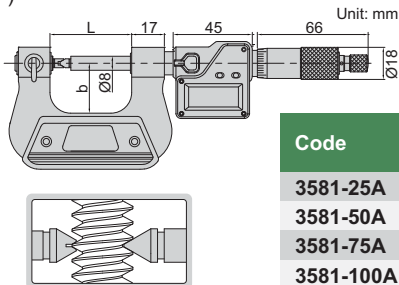


3581-25A



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



(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

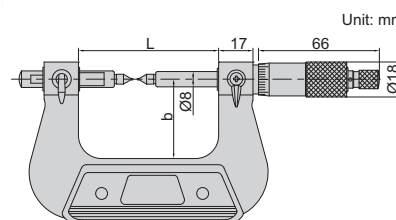
GEAR TOOTH MICROMETERS

- 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**)

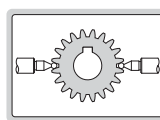
ball tips are optional



3291-25



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



IP65
WATERPROOF

DATA
OUTPUT

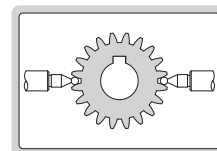
DIGITAL GEAR TOOTH MICROMETERS

- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code **7391**), data output cable (code **7315**-, **7302**-, **7305**-)

ball tips are optional

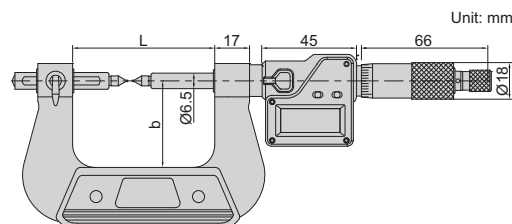


3591-25A



Code	Range	Accuracy	L	b
3591-25A	0-25mm/0-1"	±4μm	67	38
3591-50A	25-50mm/1-2"	±4μm	92.4	50
3591-75A	50-75mm/2-3"	±5μm	117.6	62
3591-100A	75-100mm/3-4"	±5μm	143	70

(mm)



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		



Unit: mm

POINT MICROMETERS

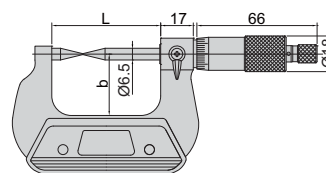
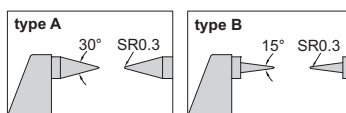
- Measure the web thickness of drills, small grooves and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



3230-25A

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)



Unit: mm

DIGITAL POINT MICROMETERS

- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)

DATA
OUTPUT

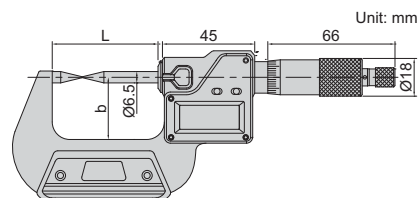
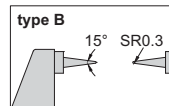
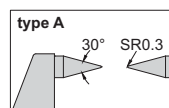
IP65
WATERPROOF



3530-25A

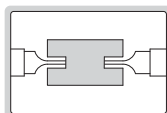
Code	Range	Type	Accuracy	L	b
3530-25A	0-25mm/0-1"	A	±4μm	57	32
3530-50A	25-50mm/1-2"	A	±4μm	82	44.5
3530-75A	50-75mm/2-3"	A	±5μm	107	57
3530-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3530-25BA	0-25mm/0-1"	B	±4μm	57	32
3530-50BA	25-50mm/1-2"	B	±4μm	82	44.5
3530-75BA	50-75mm/2-3"	B	±5μm	107	57
3530-100BA	75-100mm/3-4"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

(mm)



BLADE MICROMETERS

- 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)



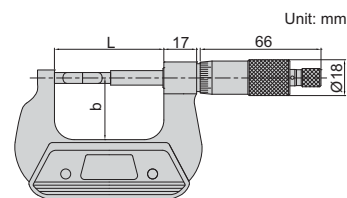
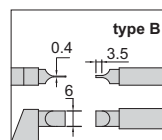
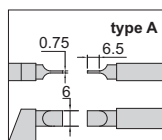
(mm)

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



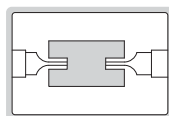
3232-25A

NON-ROTATING
SPINDLE



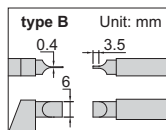
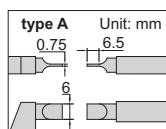
DIGITAL BLADE MICROMETERS

- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)



(mm)

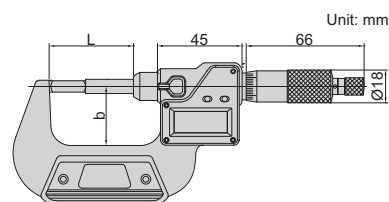
Code	Range	Type	Accuracy	L	b
3532-25A	0-25mm/0-1"	A	±4μm	57	32
3532-50A	25-50mm/1-2"	A	±4μm	82	44.5
3532-75A	50-75mm/2-3"	A	±5μm	107	57
3532-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3532-25BA	0-25mm/0-1"	B	±4μm	57	32
3532-50BA	25-50mm/1-2"	B	±4μm	82	44.5



3532-25A

DATA
OUTPUT

NON-ROTATING
SPINDLE

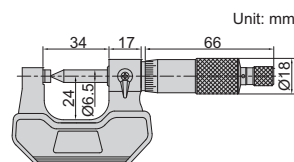
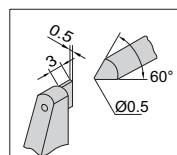
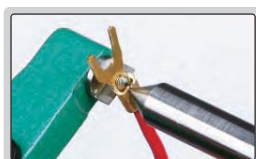


RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)

CRIMP HEIGHT MICROMETER

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

3266-25BA



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

5

IP65
WATERPROOF

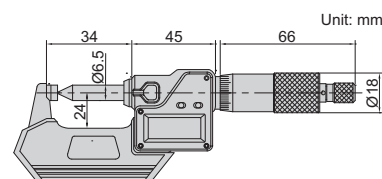
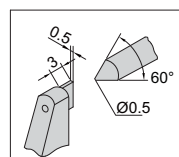
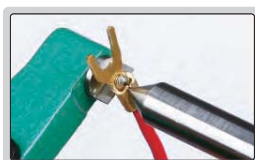
DATA
OUTPUT

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

DIGITAL CRIMP HEIGHT MICROMETER

- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)

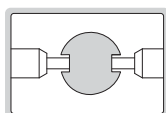
3566-25BA



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

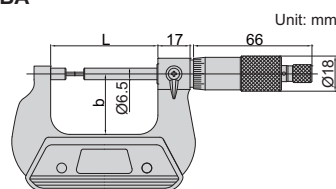
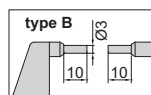
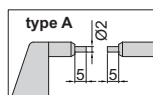
SPLINE MICROMETERS

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



3233-25BA

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



DIGITAL SPLINE MICROMETERS

IP65
WATERPROOF

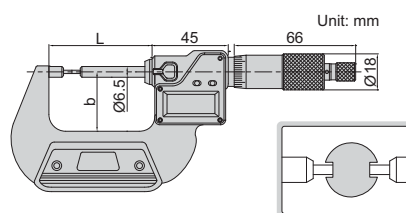
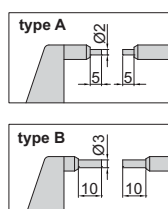
DATA
OUTPUT

- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)



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



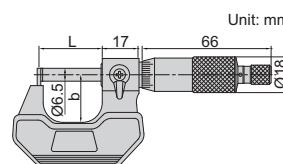
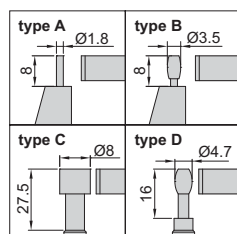
CYLINDRICAL ANVIL TUBE MICROMETERS

- 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



DIGITAL CYLINDRICAL ANVIL TUBE MICROMETERS

IP65
WATERPROOF

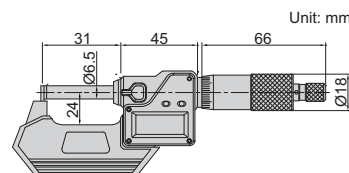
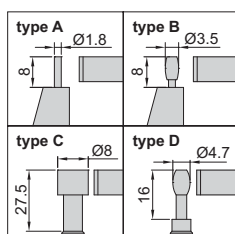
DATA
OUTPUT

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)



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

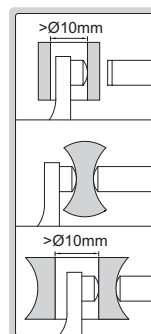


SPHERICAL ANVIL TUBE MICROMETERS

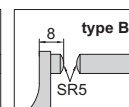
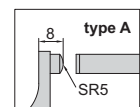
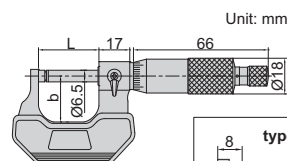
- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

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

(mm)



3260-25A



5

IP65
WATERPROOF

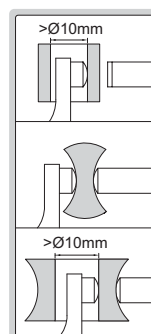
DATA
OUTPUT

DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

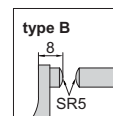
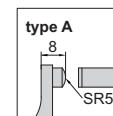
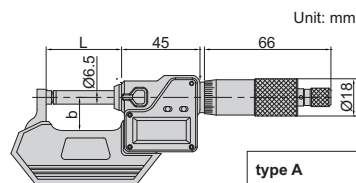
- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)

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

(mm)



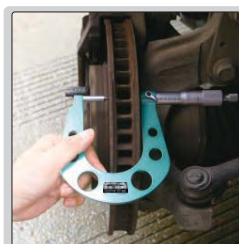
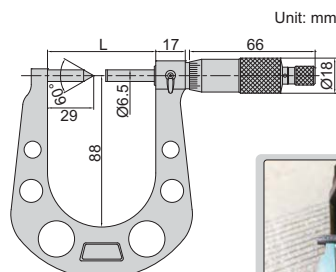
3560-25A



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

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

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



DISK BRAKE MICROMETERS



3288-33A

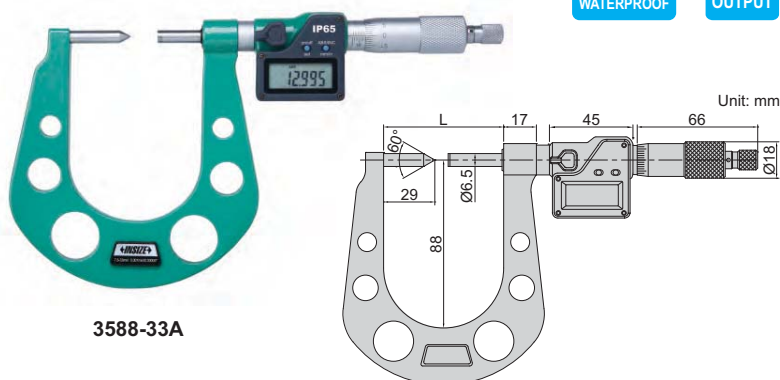
DIGITAL DISK BRAKE MICROMETERS

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

- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)

IP65
WATERPROOF

DATA
OUTPUT

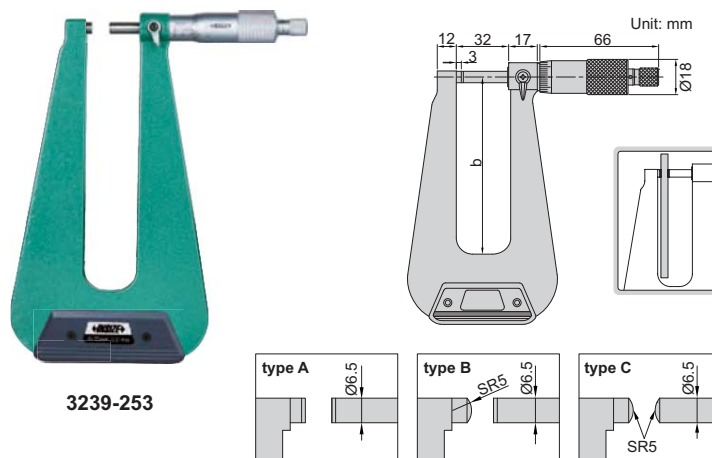


3588-33A

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

SHEET METAL MICROMETERS

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



3239-253

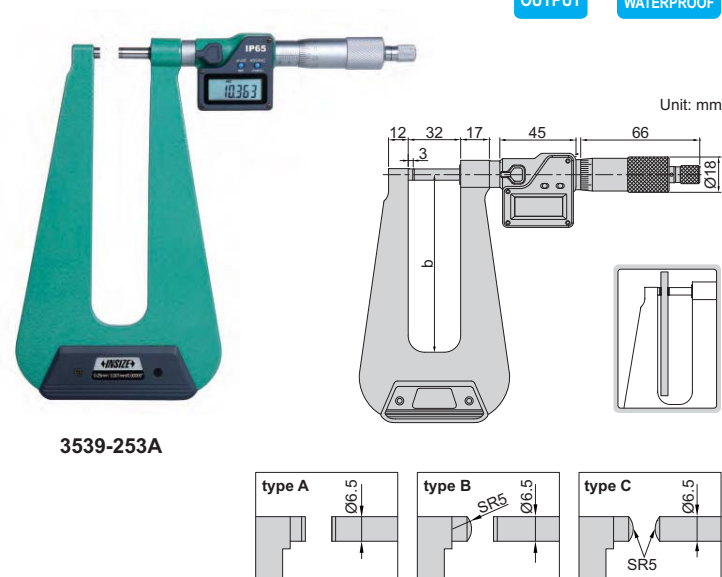
Code	Range	Type	Accuracy	b (mm)
3239-253	0-25mm	A	7µm	155
3239-253F	0-25mm	B	7µm	155
3239-254F	0-25mm	B	10µm	310
3239-253S	0-25mm	C	7µm	155

DIGITAL SHEET METAL MICROMETERS

- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)

DATA
OUTPUT

IP65
WATERPROOF

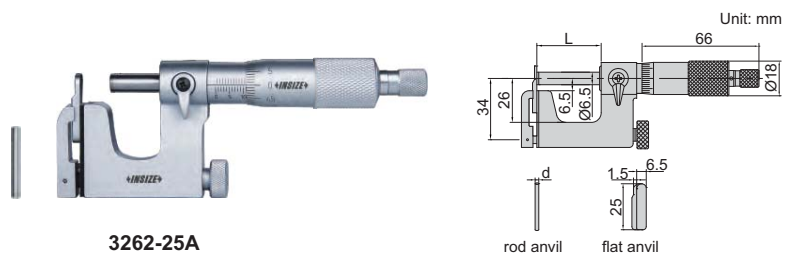


3539-253A

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

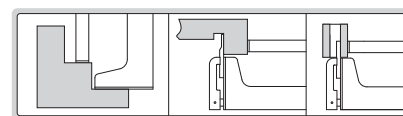
INTERCHANGEABLE ANVIL MICROMETERS

- 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



5

IP65
WATERPROOF

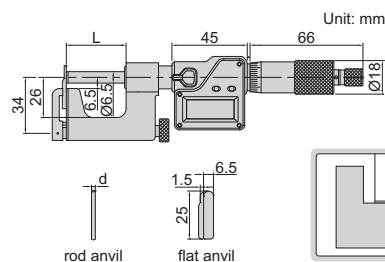
DATA
OUTPUT

DIGITAL INTERCHANGEABLE ANVIL MICROMETERS

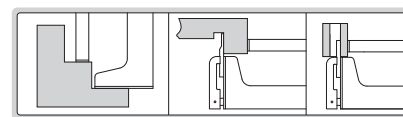
- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- Supplied with flat anvil and rod anvil
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)



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

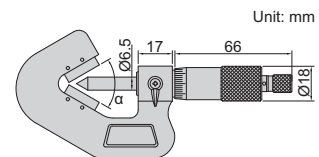


V-ANVIL MICROMETERS

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



3290-153A



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

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

DIGITAL V-ANVIL MICROMETERS

IP65
WATERPROOF

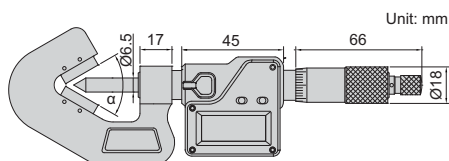
DATA
OUTPUT

5

- Measure the diameter of parts or cutting tools with odd grooves, such as taps, reamers and end mills
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code **7315-**, **7302-**, **7305-**)



3590-153A

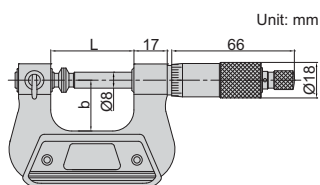


Code	Range	Flutes	Accuracy	α
3590-153A	1-15mm/0.04-0.6"	3	$\pm 4\mu\text{m}$	60°
3590-203A	5-20mm/0.2-0.8"	3	$\pm 4\mu\text{m}$	60°
3590-353A	20-35mm/0.8-1.4"	3	$\pm 5\mu\text{m}$	60°
3590-503A	35-50mm/1.4-2.0"	3	$\pm 5\mu\text{m}$	60°
3590-653A	50-65mm/2.0-2.6"	3	$\pm 6\mu\text{m}$	60°
3590-803A	65-80mm/2.6-3.2"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

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

NON-ROTATING SPINDLE UNIVERSAL MICROMETERS

NON-ROTATING
SPINDLE



3280-25A

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

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

Anvil/spindle tip (included)

Unit: mm

Flat		
Spherical		
Spline		
Disk		
Blade		
Knife-edge		
Point		

55° anvil/spindle tip (optional)

Unit: mm

Code 3280-SP1 Knife-edge		
Code 3280-SP2 Point		

DATA
OUTPUT

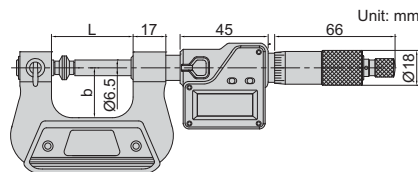
NON-ROTATING
SPINDLE

DIGITAL UNIVERSAL MICROMETERS

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip (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 **7315-**, **7302-**, **7305-**)



3580-25A

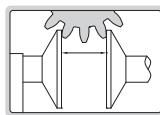


supplied with 7 pairs
of anvil/spindle tip
(same as series 3280)



ATTENTION: LOW PARALLELISM
OF TWO MEASURING FACES

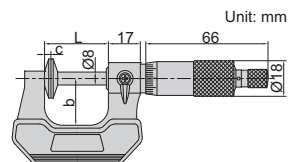
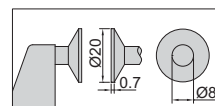
- Meet DIN863-3
- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



DISK MICROMETERS (ECONOMIC TYPE)



3282-25

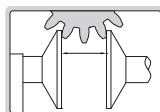


Code	Range	Accuracy	Parallelism	L	b	c
3282-25	0-25mm	4μm	5μm	34	24	3.3
3282-50	25-50mm	4μm	5μm	59	32	3.3
3282-75	50-75mm	5μm	5μm	85	45	3.3
3282-100	75-100mm	5μm	5μm	110	57	3.3

ATTENTION: LOW PARALLELISM
OF TWO MEASURING FACES

NON-ROTATING
SPINDLE

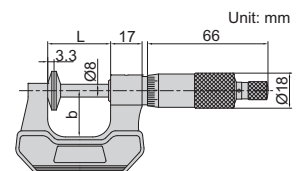
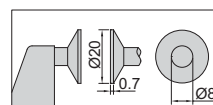
- Meet DIN863-3
- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards



NON-ROTATING SPINDLE DISK MICROMETERS (ECONOMIC TYPE)



3294-25



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 (ECONOMIC TYPE)

ATTENTION: LOW PARALLELISM
OF TWO MEASURING FACES

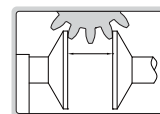
DATA
OUTPUT

NON-ROTATING
SPINDLE

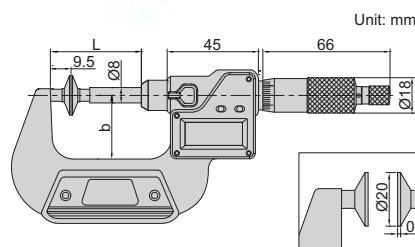
- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)



3594-25A



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

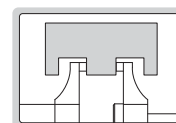


CALIPER TYPE MICROMETERS

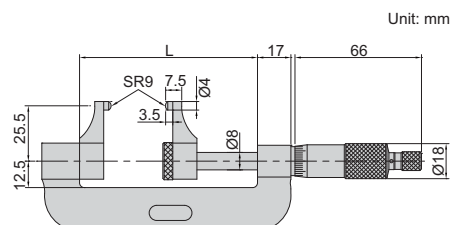
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3238-25



Code	Range	Accuracy	L
3238-25	0-25mm	5μm	56mm
3238-50	25-50mm	6μm	81mm
3238-75	50-75mm	7μm	106mm
3238-100	75-100mm	8μm	131mm



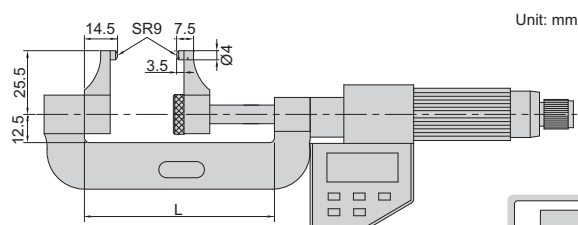
DIGITAL CALIPER TYPE MICROMETERS

DATA
OUTPUT

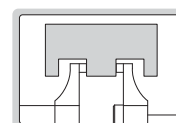


3538-25

Code	Range	Accuracy	L
3538-25	0-25mm/0-1"	±5μm	56mm
3538-50	25-50mm/1-2"	±6μm	81mm
3538-75	50-75mm/2-3"	±7μm	106mm
3538-100	75-100mm/3-4"	±8μm	131mm

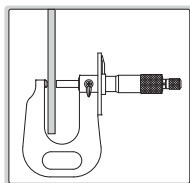


- Resolution: 0.001mm/0.00005"
- Non-rotating spindle
- Buttons: on/off, data set, mm/in, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet friction thimble
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-, 7302-, 7305-)

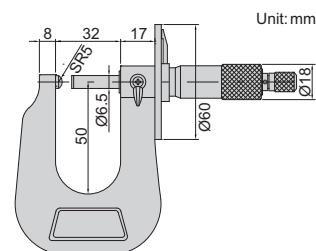


SHEET METAL MICROMETER

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



3263-25A



Unit: mm

5

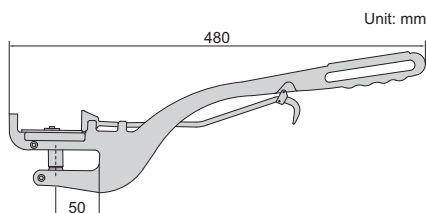
Code	Range	Accuracy
3263-25A	0-25mm	4μm

MICROMETERS FOR HOT PLATE

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



3264-15



Unit: mm



VIDEO

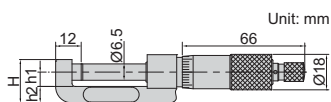
Code	Range	Graduation	Accuracy
3264-15	0-15mm	0.05mm	0.05mm
3264-30	15-30mm	0.05mm	0.05mm
3264-45	30-45mm	0.05mm	0.05mm
3264-60	45-60mm	0.05mm	0.05mm
3264-75	60-75mm	0.05mm	0.05mm
3264-90	75-90mm	0.05mm	0.05mm
3264-105	90-105mm	0.05mm	0.05mm

HUB MICROMETERS

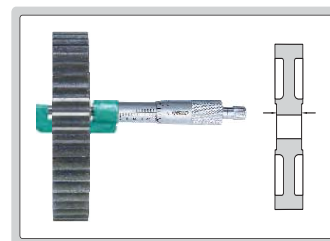
- Meet DIN863-3
- Measure hub thickness and shoulder inside a bore
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3292-25



Unit: 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

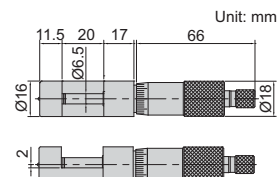
(mm)

WIRE MICROMETER

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



3285-10



Unit: mm

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

CAN SEAM MICROMETERS



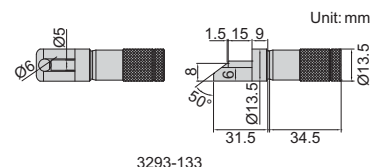
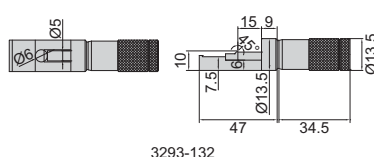
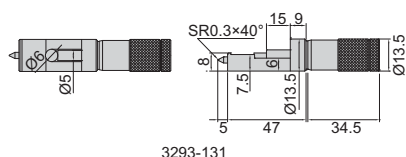
3293-131



3293-132

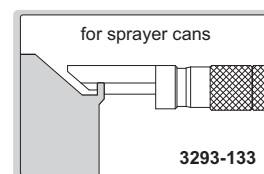
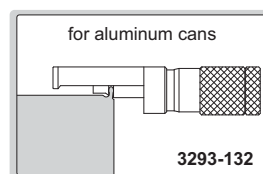
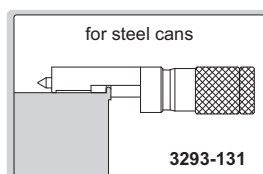


3293-133



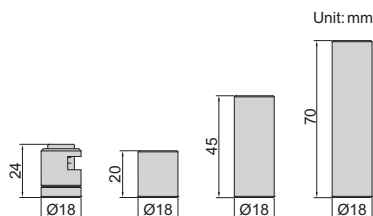
- Measure the width, height and depth of can seams
- Graduation 0.01mm

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



MICROMETER MEASURING FORCE DETECTOR

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



6315

Code	Measuring force
6315	5-12N

OPTICAL PARALLELS



4184-41A

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

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

